



VOLUNTARY REMEDIATION PROGRAM COMPLIANCE STATUS REPORT

Former Sunlow, Inc.
1071 Howell Mill Road
Atlanta, Fulton County, Georgia
HSI Site No. 10637

Prepared on behalf of:

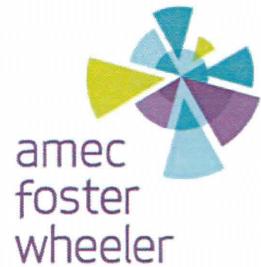
Westbridge Partners and 1071 WB, LLC
1170 Howell Mill Road
Atlanta, Georgia 30318

Prepared By:

Amec Foster Wheeler Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia

October 15, 2017

Project No. 6121-12-0124



October 15, 2017

Mr. David Hayes, Unit Coordinator
Response and Remediation Program
Environmental Protection Division
2 Martin Luther King Jr. Drive SE
Suite 1054, East Tower
Atlanta, Georgia 30334

Subject: VRP Compliance Status Report
Former Sunlow, Inc.
1071 Howell Mill Road
Atlanta, Georgia
HSI Site No. 10637
Project No. 6121-12-0124

Dear Mr. Hayes:

On behalf of WB 1071, LLC, an affiliate of Westbridge Partners, Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) respectfully submits this Compliance Status Report for the subject property in the Georgia Voluntary Remediation Program (VRP). Additionally, this VRP Compliance Status report is intended to serve as an Interim Brownfield Compliance Status Report. This CSR summarizes existing soil and groundwater conditions at the subject site and certifies compliance.

This CSR is submitted in lieu of the Tenth VRP Semi-Annual Progress Report to begin the process of removing the subject site from the Hazardous Site Inventory (HSI).

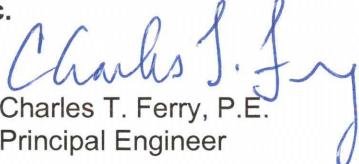
Based on the assessment findings and the actions taken: (1) soil at the site is in compliance with Type 5 risk reduction standards with controls; (2) vapor intrusion will not exceed risk-based criteria; and (3) groundwater conditions have been characterized.

Please contact us if further information or clarification is necessary.

Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.


Steve Davenport
Project Geologist


Charles T. Ferry, P.E.
Principal Engineer

Cc: Mr. Chris Faussemagne, WB 1071, LLC
Mr. John Spinrad, Arnall Golden Gregory, LLP

CERTIFICATION OF COMPLIANCE WITH RISK REDUCTION STANDARDS

I certify under penalty of law that this Compliance Status 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 a fine and imprisonment for knowing violations.

Based on my review of the findings of this report with respect to the risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19-.07, I have determined that this site which encompasses of the Tax Parcel ID 17-0150-009-14 is in compliance with the Type 5 risk reduction standards with controls for soil and a release to groundwater exceeding a reportable quantity does not exist.

1071 WB, LLC

By:

Name



Date: 10.11.17

Title

MEMBER

GROUNDWATER SCIENTIST STATEMENT

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

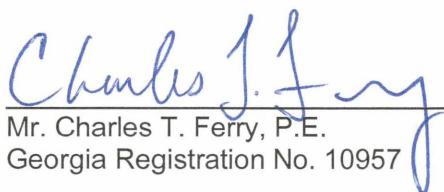

Mr. Charles T. Ferry, P.E.
Georgia Registration No. 10957



TABLE OF CONTENTS

	Page No.
1.0 INTRODUCTION.....	1
1.1 PREVIOUS ENVIRONMENTAL DOCUMENTS.....	1
1.2 REGULATORY BACKGROUND	3
2.0 PURPOSE.....	5
3.0 CONCEPTUAL SITE MODEL.....	6
3.1 PHYSICAL SETTING	6
3.2 REGIONAL GEOLOGY	6
3.3 SITE SPECIFIC GEOLOGY	6
3.4 SITE SPECIFIC HYDROGEOLOGY	7
3.4.1 Groundwater Flow Direction.....	7
3.4.2 Groundwater Flow Rate	8
4.0 DESCRIPTION OF RELEASE SOURCE.....	9
4.1 REGULATED SUBSTANCES RELEASED	9
4.2 SOURCE OF RELEASE TO SOIL	9
4.3 SOURCE OF RELEASE TO GROUNDWATER.....	9
4.4 CHRONOLOGY OF THE RELEASE.....	10
5.0 DELINEATION OF SOIL CONTAMINATION	11
5.1 SOIL SAMPLING AND ANALYSIS PROCEDURES	11
5.2 SELECTION OF ANALYTICAL PARAMETERS	11
5.2.1 Sampling Equipment and Collection Techniques.....	11
5.2.2 Sample Handling and Preservation Techniques	12
5.2.3 Equipment Decontamination Procedures	12
5.2.4 Chain-of-Custody Procedures	12
5.2.5 Laboratory Analytical Procedures	12
5.2.5.1 Standard Analytical Methods	12
5.2.5.2 Quality Control Samples	12
5.3 SOIL RESULTS.....	13
5.4 BACKGROUND SOIL CONCENTRATIONS.....	13
6.0 DELINEATION OF GROUNDWATER CONTAMINATION	14
6.1 GROUNDWATER SAMPLING AND ANALYSIS PROCEDURES.....	14
6.2 SELECTION OF ANALYTICAL PARAMETERS	14
6.3 MONITORING WELL CONSTRUCTION.....	14
6.3.1 Monitoring Well Evacuation Procedures	15
6.3.2 Groundwater Sampling, Handling and Preservation	15
6.3.3 Decontamination Procedures	15
6.3.4 Chain-of-Custody Procedures	15
6.3.5 Laboratory Analytical Procedures	15
6.3.5.1 Standard Analytical Methods	15
6.3.5.2 Quality Control Samples	16
6.4 GROUNDWATER RESULTS	16
6.5 BACKGROUND GROUNDWATER QUALITY.....	16
7.0 SUMMARY OF CORRECTIVE ACTION.....	18
7.1 SEMI-ANNUAL INSPECTIONS.....	18
7.2 MONITORING WELL ABANDONMENT AND REPLACEMENT	18
7.3 ANNUAL GROUNDWATER MONITORING.....	18
7.4 WASTE CHARACTERIZATION SAMPLING.....	18
7.5 EXCAVATION AND DISPOSAL OF CONTAMINATED SOIL.....	19
7.6 BORROW SOIL SAMPLING AND FILL PLACEMENT.....	19
7.7 HARD COVER MAINTENANCE AND REPLACEMENT	20

8.0	DESCRIPTION OF THE RESPONSIBLE PARTY FOR THE RELEASE DETECTED AT THE PROPERTY	21
9.0	SOIL COMPLIANCE	22
10.0	EXPOSURE PATHWAYS	23
10.1	SOIL	23
10.2	GROUNDWATER.....	23
10.3	WATER SUPPLY	23
10.4	SURFACE WATER	24
10.5	SOURCE	24
10.6	VAPOR	24
11.0	CONCLUSIONS.....	26
12.0	REFERENCES.....	27

APPENDICES

- APPENDIX A - LEGAL DESCRIPTION AND BOUNDARY SURVEY
- APPENDIX B - FIGURES
- APPENDIX C - TABLES
- APPENDIX D - SOIL BORING LOGS AND WELL CONSTRUCTION DIAGRAMS
- APPENDIX E - LABORATORY REPORTS
- APPENDIX F - MANIFESTS
- APPENDIX G - PHOTOGRAPHS
- APPENDIX H - RISK REDUCTION STANDARD CALCULATIONS

LIST OF FIGURES

- Figure 1 - Site Location Map
- Figure 2 – Topographic Map of Site Location
- Figure 3 – Site Plan with Cross Section Trace
- Figure 4 – Cross Section A – A'
- Figure 5 – Cross Section B – B'
- Figure 6 – Potentiometric Surface Map – August 28, 2012
- Figure 7 – Summary of Soil Testing Results
- Figure 8 – Summary of Groundwater Testing Results
- Figure 9 – Summary of Semi-Annual Groundwater Testing Results

LIST OF TABLES

- Table 1 – Summary of Well Construction/Water Level Data
- Table 2 – Summary of Soil Testing Results
- Table 3 – Summary of Groundwater Testing Results
- Table 4 – Summary of Annual Groundwater Testing Results
- Table 5 – Commercial VI Risk Calculation
- Table 6 – Residential VI Risk Calculation

LIST OF ACRONYMS

Acronym	Definition
Amec Foster Wheeler	Amec Foster Wheeler Environment & Infrastructure, Inc.
COC	Chain of Custody
CSR	Compliance Status Report
EPD	Environmental Protection Division
ESA	Environmental Site Assessment
HSRA	Hazardous Site Response Act
HSRP	Hazardous Site Response Program
HSI	Hazardous Site Inventory
MCL	Maximum Contaminant Level
NC	Notification Concentration
PAH	Polynuclear Aromatic Hydrocarbon
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RRS	Risk Reduction Standard
US EPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This Compliance Status Report (CSR) has been prepared by Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) for the 1071 Howell Mill Road property in Atlanta, Georgia (“property” or “site”). The property is a 0.9-acre parcel of land, identified on the Fulton County Tax Assessor’s website as Tax Parcel ID 17-0150-009-14. Refer to Appendix A for a Legal Description of the property and boundary Survey. The location of the site is depicted on Figures 1 and 2 in Appendix B. The site and site features at the time of assessment in 2012 are depicted on Figure 3.

The property is currently occupied by an approximately 15,000- square foot commercial building, a small landscaped area, paved parking and a paved dog run. A portion of the original building was demolished and the remaining portion has been renovated for two tenants: Upbeet, a restaurant, and BluePearl, a 24-hour veterinary clinic.

Historically, the site was undeveloped from at least 1938 until the early 1950s. According to Fulton County tax records, the site appears to have been commercially developed in 1951. The 1928 topographic map indicated elevations on-site ranging from approximately 940 to 965 feet. The current site grade is relatively level with a building floor slab at approximate elevation 968 feet. Therefore, considerable filling has occurred.

Historical sources indicate that the site was occupied by several commercial and light industrial businesses from the 1950s through the 1970s including: Young Hardware, Consolidated General Products and Cody Company. Sunlow Inc. appears to have occupied the site from at least 1971 until approximately 2010 for use as a kitchen equipment distribution center. The site was vacated in 2010. On December 3, 2012, 1071 LB, an affiliate of Westbridge Partners, acquired the site with the intent to renovate the existing structure.

1.1 PREVIOUS ENVIRONMENTAL DOCUMENTS

This CSR is based, at least partially, on information obtained from the following assessment reports and other documents:

- Letter by Georgia EPD to Mr. William Graham, Jr., Compliance Status Report Call-In Letter, dated April 8, 2003;
- Compliance Status Report, prepared by Environmental Management Associates for Mr. William Graham, Jr., dated September 10, 2003;

- Letter by Georgia EPD to Mr. William Graham, Jr., Notice of Deficiency, dated September 16, 2005;
- Revised Compliance Status Report, prepared by Environmental Management Associates for Mr. William Graham, Jr., dated December 6, 2006;
- Response to Georgia EPD Notice of Deficiency Letter, prepared by Environmental Management Associates, dated December 8, 2006;
- Revised Corrective Action Plan for 1085 Howell Mill Road, prepared for United Consulting for Iron Works International, Inc., dated August 13, 2008 (original CAP dated July 20, 2006);
- Phase I Environmental Site Assessment, Prepared by AMEC Environment and Infrastructure, Inc., dated April 5, 2012
- Voluntary Remediation Plan and Application, prepared for Master marketing Sunlow, Inc., dated September 7, 2012;
- Application for Limitation of Liability and Corrective Action Plan, prepared for Westbridge Partners, dated September 17, 2012;
- April 23, 2013 Semi-Annual Progress Report #1, prepared by AMEC Environment & Infrastructure, Inc. for 1071 WB, LLC, dated April 23, 2013;
- Semi-Annual Progress Report #2, prepared by AMEC Environment & Infrastructure, Inc. for 1071 WB, LLC, dated November 28, 2013;
- Semi-Annual Progress Report #3, prepared by AMEC Environment & Infrastructure, Inc. for Westbridge Partners, dated April 14, 2014;
- Environmental Management Plan, prepared by AMEC Environment & Infrastructure for 1071 WB, LLC, dated July 30, 2014;
- Letter by Georgia EPD to Mr. Chris Faussemagne, Semi-Annual Progress Reports, dated August 5, 2014.
- Semi-Annual Progress Report #4, prepared by AMEC Environment & Infrastructure, Inc. for Westbridge Partners and 1071 WB, LLC, dated October 15, 2014;
- Semi-Annual Progress Report #5, prepared by Amec Foster Wheeler Environment & Infrastructure, Inc. for Westbridge Partners and 1071 WB, LLC, dated April 15, 2015;
- Semi-Annual Progress Report #6, prepared by AMEC Environment & Infrastructure, Inc. for Westbridge Partners and 1071 WB, LLC, dated October 15, 2015;
- Semi-Annual Progress Report #7, prepared by AMEC Environment & Infrastructure, Inc. for Westbridge Partners and 1071 WB, LLC, dated June 2, 2016;
- Letter by Georgia EPD to Mr. Chris Faussemagne, Semi-Annual Progress Reports, dated June 30, 2016;
- Semi-Annual Progress Report #8, prepared by Amec Foster Wheeler Environment & Infrastructure, Inc. for Westbridge Partners and 1071 WB, LLC, dated October 24, 2016; and
- Semi-Annual Progress Report #9, prepared by Amec Foster Wheeler Environment & Infrastructure, Inc. for Westbridge Partners and 1071 WB, LLC, dated April 14, 2017.

1.2 REGULATORY BACKGROUND

On April 8, 2003, the Georgia Environmental Protection Division (EPD) notified Mr. William Graham, Jr., the former owner of the site, that the site may have been impacted by the historical placement of contaminated fill material. As a result, Environmental Management Associates (EMA) completed an environmental assessment at the site and prepared a Compliance Status Report (CSR) dated September 10, 2003 as directed by the Georgia EPD. The results of EMA's assessment identified a number of metals in soil including arsenic, barium, cadmium, chromium and lead. Based on the soil data obtained in 2003, the site was sub-listed on the Hazardous Site Inventory (HSI) as part of the Welcome Years HSI Site No. 10637 located to the north.

According to the 2003 CSR, fill material was placed on the site between 1938 and 1951, as well as on the adjacent property to the north at 1085 Howell Mill Road, to the east at 673 Ethel Street, and to the south at 1061 Howell Mill Road) which have also been sub-listed as part of the Welcome Years HSI Site. The fill material consists of black stained soils with some high concentrations of slag material. Slag is a waste product from metal manufacturing operations. These byproducts most likely originated from former metal manufacturing companies which historically operated in the vicinity of the site. Metals detected in the subsurface soil at the site included arsenic, barium, cadmium, chromium and lead. Arsenic, barium and chromium were detected at concentrations above their respective HSRA notification concentrations (NCs). Barium and lead were detected in groundwater in 2003, but were reported to be associated with high turbidity levels at the time of sampling.

A follow-up environmental assessment was conducted in 2006 to address comments in the Georgia EPD's Notice of Deficiency letter dated September 16, 2005. An amended CSR was submitted in December 2006.

Additionally, AMEC (predecessor to Amec Foster Wheeler) conducted a pre-purchase due diligence assessment at the site between May and July 2012 on behalf of 1071 WB, LLC. During the 2012 assessment, barium, chromium and lead were detected in soil above the laboratory reporting limits but below their HSRA NCs. Constituents detected in groundwater included barium, cadmium, chromium, chloroform, 1,1,1-trichloroethane, 1,2-dichloroethane and cis-1,2-dichloroethane. When the groundwater results were reported to the method detection limit, estimated values (i.e. J flagged) of 1,1-dichloroethene, bromodichloromethane, chloroethane and trichloroethene were also detected.

As a result of the pre-purchase assessment, a Voluntary Remediation Plan Application (VRPA), dated September 7, 2012, was submitted to the Georgia EPD to enter the site into the Voluntary Remediation Program (VRP). In conjunction with the VRPA, a Prospective Purchaser Corrective Action Plan (PPCAP) dated September 17, 2012, was submitted to enter the site into Georgia's Brownfield Program. The Georgia EPD approved both the VRP and PPCAP with conditions and comments in separate letters dated October 15, 2012. Under the provisions of the VRP and PPCAP, Amec Foster Wheeler has conducted site inspections and groundwater monitoring as documented in the nine Semi-Annual VRP Progress Reports submitted to EPD between April 2012 and April 2017.

Redevelopment of the property also proceeded under the provisions of an Environmental Management Plan dated July 20, 2014 that provided information and directions to the site contractors. To ensure continued compliance with the Type 5 risk reduction standards through use of engineering controls during site redevelopment activities, a Monitoring and Maintenance Plan was submitted as part of the First Semi-Annual Report dated April 23, 2013.

2.0 PURPOSE

On behalf of WB 1071, LLC, an affiliate of Westbridge Partners, this Compliance Status Report (CSR) has been prepared pursuant to Section 12-8-101 of the Georgia Voluntary Remediation Program Act. The purpose is to document the current status of the property with regard to all regulated substances associated with a release at the property. This CSR was compiled on the basis of property conditions which were characterized through assessments and monitoring performed at the property by various consultants between 2003 and 2017.

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 on Figures 3 and 4.

3.1 PHYSICAL SETTING

The site topography is relatively level, ranging in elevations from approximately 971 feet above mean sea level in the western portion of the site along Howell Mill Road, sloping eastward to an elevation of approximately 968 feet at the east end of the paved parking lot. The building, driveway and paved parking lot occupy most of the site. Landscaped areas are present in the western portion of the property. The site is bound to the north by the former Westside Ironworks, recently redeveloped for retail and restaurant use, to the east by Trendco-Vick, a restaurant equipment supplier, to the south by United Refrigeration, a refrigeration and air conditioning parts distributor and to the west by Howell Mill Road.

3.2 REGIONAL GEOLOGY

The site is located in the Piedmont Geologic Region of the Appalachian Province in an area underlain by late Precambrian to early Paleozoic bedrock of the Clairmont Formation (McConnell and Abrams, 1984). The Clairmont Formation in the site area is described as interlayered biotite-plagioclase gneiss and hornblende-plagioclase amphibolite. The residual soils present in this geologic area have been formed by in-place physical and chemical weathering of parent rock types. Weathering is facilitated by fractures, joints and the presence of less resistant rock types. The typical residual soil profile consists of clayey soils near the surface, transitioning to sandy silts and silty sands that generally become harder with depth and proximity to the top of parent rock.

3.3 SITE SPECIFIC GEOLOGY

The soil borings advanced on the property generally encountered a significant amount of fill material. Across the site, the thickness of fill ranges from 9 to 29 feet. The fill consists of sandy silt interlayered with black gravelly sand. Debris was encountered in the fill and was comprised mostly of concrete, brick, gravel, wood, glass and slag. Native soils beneath the fill material generally consist of clayey or sandy silt.

3.4 SITE SPECIFIC HYDROGEOLOGY

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

3.4.1 Groundwater Flow Direction

Groundwater generally flows in directions subparallel to the ground surface slopes and under the influence of gravity towards points of discharge such as creeks, swamps, drainage swales or pumped groundwater wells. As such, based on historical topographic maps and other public records, groundwater at the site is generally expected to flow toward the northeast.

Amec Foster Wheeler installed three wells (MW-3, MW-4 and MW-5) on the property in June 2012 as part of the pre-purchase due diligence assessment. At that time it was discovered that the two existing wells, MW-1 and MW-2, installed by EMA were both dry. As such, in order to further characterize the groundwater conditions at the site, Amec Foster Wheeler also installed a replacement well (MW-1R) adjacent to well MW-1.

The depth to groundwater was measured by Amec Foster Wheeler in wells MW-1R, MW-3, MW-4 and MW-5 from the top of each well casing on June 6, 2012 and on July 5, 2012. The water table was again measured in all four wells on August 28, 2012.

The depths to groundwater in the four wells were used to calculate the elevation of the water table in each well, develop groundwater elevation contours and interpret the flow direction. The water table surface for the site based on the most recent measurements for the four wells (August 28, 2012) is shown on Figure 6 and conforms to a general groundwater flow direction to the northeast, consistent with historical topography. Subsequently, due to the pending renovation of the buildings, wells MW-4 and MW-5 were abandoned by tremmie grouting along with the dry wells MW-1 and MW-2. Wells MW-1R and MW-3 were retained for annual monitoring, but eventually were abandoned and then replaced due to construction.

3.4.2 Groundwater Flow Rate

As detailed in the December 2006 revised CSR, the Georgia EPD approved the use of variable head slug test data from two monitoring wells (MW-1 and MW-2) located on the property to the south (1061 Howell Mill Road) which is also sub-listed as part of the Welcome Years HSI Site. The hydraulic conductivity value for MW-1 and MW-2 were 15.9 ft/day and 26.2 ft/day, respectively, with an average hydraulic conductivity value of 21.05 ft/day.

The representative seepage velocity (v) of groundwater through the interstitial space of the saturated porous media is calculated by multiplying the hydraulic conductivity (K) by the hydraulic gradient (i) and dividing by the effective porosity (n_e). Effective porosity was assumed to be 15% (Applied Hydrology, C.W. Fetter, 1994). A hydraulic gradient of 0.02 (or 2%) was calculated from the August 2012 potentiometric map (Figure 6) as the change in hydraulic head between MW-4 (contour line 943.5 ft) and the area near MW-5 (contour line 941.5 ft), divided by the distance between these two elevations along a groundwater flow path: $(943.5 \text{ ft} - 941.5 \text{ ft})/88 \text{ ft} = 0.02 \text{ ft/ft}$.

$$\text{Velocity} = K i/n_e$$

Where:	K = hydraulic conductivity (feet per day)	= 21.05 ft/day
	i = hydraulic gradient (feet per foot)	= 0.02 ft/ft
	n_e = effective porosity (unit less)	= 0.15

Based on the data input, an estimated groundwater velocity of 2.8 ft/day was calculated; however, this value may be considerably higher than the residual aquifer flow rate since the hydraulic conductivity value was influenced by the fill.

4.0 DESCRIPTION OF RELEASE SOURCE

Results of soil and groundwater assessment activities indicate the presence of substances regulated under HSRA in soil and groundwater at the site. The potential for soil and groundwater contamination was investigated in a series of assessments by Amec Foster Wheeler and others between July 2003 and May 2012.

4.1 REGULATED SUBSTANCES RELEASED

The regulated substances identified in soil on the property include: arsenic (CAS No. 7440382), barium (CAS No. 7440393), cadmium (CAS No. 7440439), chromium (CAS No. 7440473), lead (CAS No. 7439921) and mercury (CAS No. 7439976).

The regulated substances identified in groundwater at the site include: tetrachloroethene (CAS No. 127184), trichloroethene (CAS No. 79016), 1,1,1-trichloroethane (CAS No. 71556), 1,1-dichloroethane (CAS No. 75343), 1,1-dichloroethene (CAS No. 75344), cis-1,2-dichloroethene (CAS No. 156592), barium (CAS No. 7440393), cadmium (CAS No. 7440439), chromium (CAS No. 7440473) and lead (CAS No. 7439921).

4.2 SOURCE OF RELEASE TO SOIL

According to information obtained by Amec Foster Wheeler during the Phase I assessment, the site was undeveloped until the early 1950s. According to the 1928 topographic map, a drainage swale was mapped on the eastern portion of the site and drained to the east into a former creek which flowed to the northeast. The metals-impacted fill material encountered at the site is interpreted to have been placed on the site between 1938 and the early 1950s, prior to the construction of the original on-site building in 1951. The impacted fill material is described as a sandy silt and black sandy gravel. Debris was encountered within the fill material and consists of concrete, brick fragments, wood, glass and some slag.

4.3 SOURCE OF RELEASE TO GROUNDWATER

Data from assessments of properties to the north and east revealed that chlorinated volatile organic compounds (VOCs), primarily tetrachloroethene (PCE) has been identified in groundwater which is believed to have originated from the Welcome Years, HSI No. 10637 located at 1115 Howell Mill Road, north of the site. However, based on the interpreted groundwater flow direction on-site, the Welcome Years Site appears to be located downgradient of the subject site. Historical sources indicate the subject site was occupied by businesses which are unlikely to have been the source of the groundwater impacts. In addition, the pattern of

groundwater impacts on-site indicate an upgradient source. Upgradient businesses to the west and southwest which could have been the source of groundwater impacts include: Buffalo Cab Company, American Cab Company and S&S Muffler and Brake located at 1075 Brady Avenue, Atlanta Safety Brake located at 1077 Brady Avenue, Speedway Auto Repair and Howell Mill Auto Service and Repair located at 1054 Howell Mill Road and Smith's Service Station located at 1060 Howell Mill Road.

Pursuant to VRP Code Section 12-8-107(g)(2), corrective action for groundwater is not required since a release exceeding a reportable quantity for groundwater does not now exist at the site and did not exist at the time of sub-listing as part of the Welcome Years HSI Site. In addition, WB 1071, LLC has received a conditional limitation of liability under the Brownfield Program.

4.4 CHRONOLOGY OF THE RELEASE

Specific information regarding the chronology of the release(s) is not available.

Based on the history of the site and surrounding properties, metals-impacted fill was likely placed on the site during development in the late 1940s and/or early 1950s.

Based on the history of the area upgradient of the site, the release to groundwater occurred between the time the development began on the upgradient properties during the late 1940s and early 1950s and the detection of volatile organic compounds in groundwater on the site in 2012.

5.0 DELINEATION OF SOIL CONTAMINATION

The assessment of soil contamination was accomplished through the installation and sampling of drilled soil borings by EMA and Amec Foster Wheeler between May 2003 and July 2012.

EMA conducted an initial environmental investigation in July 2003 which included the installation of nine soil borings (9BH-1 through BH-9). A total of 21 soil samples collected from the nine boring locations were tested for the presence of arsenic, barium, cadmium, chromium and lead.

One additional boring (BH-10) was installed by EMA in November 2006. One soil sample from BH-10, along with five additional soil samples obtained from the July 2003 assessment, were analyzed for arsenic, barium, cadmium, chromium and lead as directed by EPD.

In May 2012, two soil samples (MW-3-4' and MW-3-8') were obtained from boring MW-3, installed at the northwest corner of the site by Amec Foster Wheeler. Additionally, a surface soil sample (SS-NE SLOPE) was obtained by Amec Foster Wheeler at the northeast corner of the site in June 2012. The soil samples were analyzed for RCRA Metals.

5.1 SOIL SAMPLING AND ANALYSIS PROCEDURES

The procedures described herein were used by Amec Foster Wheeler during its assessment activities in 2012.

5.2 SELECTION OF ANALYTICAL PARAMETERS

Soil samples collected during assessments were tested RCRA metals (SW-846 Test Methods 6010C and 7471B). These parameters were chosen as being most likely to identify regulated substances commonly associated with known past uses of the property and typical urban fill material.

5.2.1 Sampling Equipment and Collection Techniques

Soil samples were collected via installation of drilled and direct-push soil borings. Soil samples collected during installation of drilled borings were collected via the Standard Penetration Test. Soil samples collected during the installation of direct push borings were collected using a stainless steel sampler lined with a polyethylene sleeve. The collected samples were scanned for the presence of VOCs using a photoionization detector (PID). No significant PID readings were encountered during field screening of the soil samples.

5.2.2 Sample Handling and Preservation Techniques

The collected soil samples were removed from the sampling device and placed into clean sample containers provided by the laboratory. The metals samples were homogenized prior to being placed into sample containers. Clean nitrile gloves were worn during all sampling activities. The gloves were discarded and replaced between samples. 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

Drilling equipment and associated sampling tools, including auger rigs, direct push rigs and sampling tools were cleaned prior to beginning work on the property. During drilling operations only clean drilling tools were used in each borehole. Sampling devices were decontaminated between each soil sample using non-phosphate soap and deionized water. Clean nitrile gloves were used during collection of all soil samples. Gloves were changed prior to collection of each sample.

5.2.4 Chain-of-Custody Procedures

All collected samples were logged on a chain-of-custody form that was signed by the field representative upon release of the samples to the laboratory. Chain-of-custody documentation is provided with the laboratory reports.

5.2.5 Laboratory Analytical Procedures

5.2.5.1 Standard Analytical Methods

Soil samples for metals were analyzed using SW-846 Test Method 6010B and 7471B for mercury.

5.2.5.2 Quality Control Samples

Trip blanks were included with the samples submitted to the laboratory and were identified on the chain-of-custody. The trip blanks were provided by the laboratory and consisted of 40-mil vials filled with water. The results of trip blank testing were included in the laboratory reports. Results of surrogate analyses are also included in the laboratory reports. Backup QA/QC data for these samples are included in the laboratory reports in Appendix F.

The soil samples collected were submitted to Analytical Environmental Services, Inc. (AES) for laboratory analyses. AES maintains a current National Environmental Accreditation Conference (NELAC) certification for all parameters analyzed for this project.

5.3 SOIL RESULTS

Soil testing data are summarized on the attached Table 2 in Appendix C and Figure 7 in Appendix B. Soil results have been compared to Type 3/4 non-residential risk reduction standards (RRS) based on future site use.

Between 2003 and 2012, a total of thirty soil samples from thirteen locations were tested for selected metals including arsenic, barium, cadmium, chromium (total), lead and mercury. Arsenic, barium and/or lead were detected in several samples at concentrations exceeding the Type 3 RRS.

5.4 BACKGROUND SOIL CONCENTRATIONS

The metals arsenic, barium, cadmium, chromium, lead and mercury were detected in various combinations in the soil samples tested. Since background concentrations were not determined, the Type I risk reduction standards were applied to initially evaluate the potential for impacts.

6.0 DELINEATION OF GROUNDWATER CONTAMINATION

Groundwater sampling and analysis was conducted by EMA and Amec Foster Wheeler through installation and sampling of groundwater monitoring wells on the property.

Two groundwater monitoring wells (MW-1 and MW-2) were installed and sampled by EMA in July 2003. Additional groundwater sampling was conducted by Amec Foster Wheeler in June and July 2012. During the 2012 assessment, well MW-1 was found to be dry. Well MW-1 was abandoned by tremmie grouting and replaced with well MW-1R. Three additional monitoring wells (MW-3, MW-4 and MW-5) were also installed and sampled by Amec Foster Wheeler in June and July 2012.

Monitoring Wells MW-1R, MW-2, MW-4 and MW-5 were abandoned in July 2014 prior to demolition of portions of the original building and to facilitate redevelopment of the site. Wells MW-1R and MW-3 were abandoned by tremmie grouting in October 2014. Replacement wells MW-1R2 and MW-3R were installed at the approximate locations of wells MW-1R and MW-3, respectively in September 2015. Well MW-3 was destroyed during construction of a transformer pad sometime in 2016. Well MW-1R2 will be properly abandoned upon EPD's approval.

6.1 GROUNDWATER SAMPLING AND ANALYSIS PROCEDURES

Groundwater assessment activities were conducted by EMA in 2003 and 2006. Additional groundwater assessment was conducted by Amec Foster Wheeler in 2012

6.2 SELECTION OF ANALYTICAL PARAMETERS

The groundwater samples collected during assessments were tested for volatile organic compounds, (VOCs, SW-846 Test Method 8260B), polycyclic aromatic compounds (PAHs, SW-846 Test Method 8270D), polychlorinated biphenyls (PCBs, SW-846 Test Method 8082A), pesticides (SW-846 Test method 8081B) and RCRA metals (SW-846 Test Methods 6010C and 7471B). These parameters were chosen as being most likely to identify regulated substances commonly associated with known past uses of the site and upgradient properties.

6.3 Monitoring Well Construction

Monitoring wells installed by Amec Foster Wheeler consisted of a 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 each well screen. A bentonite seal was placed above the filter

pack. The remainder of each borehole annulus was filled with a cement/bentonite grout. Flush-mounted well covers was installed at the surface to complete the wells.

6.3.1 Monitoring Well Evacuation Procedures

Well development consisted of bailing or pumping the wells with a peristaltic pump until a minimum of five well volumes of water has been removed and water quality parameters including temperature, pH and specific conductance had stabilized. Groundwater samples were collected following stabilization of water quality parameters. The goal for sample turbidity was below 10 NTU.

6.3.2 Groundwater Sampling, Handling and Preservation

The groundwater samples were collected using a peristaltic pump and clean, previously unused Teflon-lined tubing. The tubing was inserted onto the well such that the intake was at the approximate midpoint of the water column. After the pump was turned on the flow rate was adjusted until the water table drawdown and recharge equilibrated in the well. During well development and purging, the wells were pumped until water quality parameters including temperature, pH, and specific conductance stabilized and turbidity was less than 10 NTU.

Samples were collected in clean, laboratory-provided sample containers which contained the appropriate preservative for each test. Following sample collection, the containers were stored on ice until they were delivered to the laboratory. The samples were maintained under chain-of-custody control from the time they were collected until they were relinquished to the laboratory.

6.3.3 Decontamination Procedures

Decontamination procedures consisted of using new tubing at each sampling location which was disposed after use. Nitrile gloves were also worn and changed between each sampling location.

6.3.4 Chain-of-Custody Procedures

Groundwater samples collected during the assessment were delivered to the laboratory under chain-of-custody protocol. Chain-of-custody records documenting the transfer of samples to the laboratory were maintained and are included in the laboratory reports.

6.3.5 Laboratory Analytical Procedures

6.3.5.1 Standard Analytical Methods

Following delivery to the laboratory, the Amec Foster Wheeler groundwater samples were analyzed for volatile organic compounds, (VOCs, SW-846 Test Method 8260B), polycyclic

aromatic compounds (PAHs, SW-846 Test Method 8270D), polychlorinated biphenyls (PCBs, SW-846 Test Method 8082A), pesticides (SW-846 Test Method 8081B) and RCRA metals (SW-846 Test Methods 6010B and 7471B).

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. 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 are included in the laboratory reports.

6.4 GROUNDWATER RESULTS

Groundwater testing data are summarized on the attached Table 3 in Appendix C and Figure 8 in Appendix B. Barium (total and dissolved) was detected below its drinking water standard in each groundwater sample collected by Amec Foster Wheeler. Additionally, cadmium in one groundwater sample, chromium in two groundwater samples and lead in three groundwater samples, were detected at concentrations below their drinking water standards. This is evidence that the metals impacts to on-site soils have not resulted in a regulated groundwater condition.

Several chlorinated volatile organic compounds (VOCs) were detected in wells MW-3, MW-4 and MW-5 in June 2012. Tetrachloroethene (PCE) and chloroform were detected in groundwater from well MW-3 located at the northwest corner of the site. Chlorinated VOCs including chloroform, 1,1,1-trichloroethene, 1,1-dichloroethane and cis-1,2-dichloroethane were detected in well MW-4 located in the central portion of the property. Amec Foster Wheeler requested the laboratory to report the groundwater data to the method detection limits in order to ascertain if additional VOC constituents could be identified. As a result, the following VOC constituents were reported in one or more wells at estimated values: 1,2-dichloroethene, bromodichloromethane, chloroethane and trichloroethane. No VOCs were detected in well MW-1R in the 2012 sampling event

The annual monitoring of wells MW-1R and MW-3 (or their replacements) between 2013 and 2016 detected variable concentrations of chloroform and tetrachloroethene.

No PAHs, pesticides or PCBs were detected in the groundwater samples tested.

6.5 BACKGROUND GROUNDWATER QUALITY

Because VOCs in groundwater are not typically naturally occurring substances in the Piedmont Geologic Region, naturally occurring background conditions of these constituents at the subject

property are assumed to be below laboratory detection levels. Although the metals detected in groundwater are naturally occurring, property-specific background concentrations for metals were not established. Rather, the maximum contaminant level (MCL) for drinking water was used as a comparison baseline.

7.0 SUMMARY OF CORRECTIVE ACTION

7.1 SEMI-ANNUAL INSPECTIONS

Site inspections were conducted semi-annually to document recent activities at the property and ensure continued compliance with the Type 5 RRS. The findings of the inspections and recommendations for corrective actions, if any, were summarized on the Inspection and Maintenance Report form included with each semi-annual monitoring report.

7.2 Monitoring Well Abandonment and Replacement

Monitoring Wells MW-1, MW-2, MW-4 and MW-5 were abandoned in July 2014 prior to demolition of portions of the original building and to facilitate redevelopment of the site. Wells MW-1R and MW-3 were abandoned in October 2014. Replacement wells MW-1R2 and MW-3R were installed at the approximate locations of wells MW-1R and MW-3, respectively in September 2015. Refer to Figure 10 for the locations of wells MW-1R/MW-1R2 and MW-3/MW-3R.

7.3 Annual Groundwater Monitoring

Annual groundwater monitoring was conducted as part of corrective action. Groundwater samples were obtained from wells MW-1R/MW-1R2 and MW-3/MW-3R between 2012 and 2016. We note that well MW-1R could not be sampled in October 2014 because the well was covered with construction materials. Additionally, well MW-3R could not be sampled in September 2016 due to a pad-mounted electrical transformer being installed over the well location. We note that WB 1071, LLC was not informed of the intent to install the transformer. As such, the well was destroyed by the power company's contractor.

The groundwater samples were tested for VOCs (SW-846 Test Method 8260B). Low levels of tetrachloroethene were detected in the groundwater samples tested from both wells. Chloroform was in the groundwater samples tested from well MW-3/MW-3R. Laboratory testing results from the annual groundwater monitoring events are tabulated on Table 4 and are depicted on Figure 10.

7.4 Waste Characterization Sampling

On October 24, 2014, two composite soil samples were collected from two planned excavation areas on the property. Sample LP-COMP-1 was collected from the planned stormwater detention vault area and future landscaped area at the west end of the site adjacent to Howell Mill Road. Sample CP-COMP-2 was collected from the planned trench drain area. The composite samples

were prepared by combining four grab samples collected from each of the planned excavation areas. The composite soil samples were tested for RCRA Metals (SW-846 Test methods 6010C and 7471B) and TCLP metals (SW-846 Methods 1311/6010C and 1311/7470A). An additional soil sample (SS-1) was also collected on November 19, 2014 from a stockpile containing asphalt and a small amount of soil stripped from the paved area at the west end of the property. Soil sample SS-1 was tested for RCRA Metals.

The soil testing data, along with data from previous soil sampling at the site, were submitted by A&D Environmental to Eagle Point Landfill for waste profiling prior to excavation and disposal of impacted soils.

7.5 Excavation and Disposal of Contaminated Soil

As indicated in the Semi-Annual Progress Report #5, dated April 2015, between October 2014 and February 2015, metals contaminated soils were excavated in to two areas on the property. An approximately 50 foot by 125 foot area at the west end of the property adjacent to Howell Mill Road was excavated to allow the installation of a subsurface stormwater detention vault, grease traps to be used by the future on-site restaurant and other subsurface utilities. A second area approximately 2 feet wide and 230 feet long, oriented east-west and extending from the east property boundary to the excavation at the west end of the property, was excavated to allow for installation of a trench drain. The excavation was lined with concrete to form the drain.

Approximately 519 tons of excavated soil were transported to Eagle Point Landfill in Ballground, Georgia on February 23, 2015. Manifests are included in Appendix F.

7.6 Borrow Soil Sampling and Fill Placement

On November 19, 2014, a soil sample designated Borrow Sample A was collected from a potential borrow source. The borrow soil sample was tested for VOCs, semi-volatile organic compounds (SVOCs, SW846 Test Method 8270D), RCRA Metals, PCBs and pesticides. VOCs, SVOCs, PCBs and pesticides were not detected above the laboratory reporting limits in the sample. Metals including barium, chromium and lead were detected in the sample, but at concentrations below the Type 1 RRS.

The borrow soil was imported to the site and utilized as backfill in the area excavated at the west end of the property adjacent to Howell Mill Road. A minimum of two feet of the clean fill soil was

placed to form a soil barrier prior to completion of the driveway and landscaping which cover the area.

7.7 Hard Cover Maintenance and Replacement

Engineering controls, including maintenance of the hard cover at the site, were a significant component of the Type 5 RRS proposed in both the Voluntary Remediation Plan Application and the Brownfield Corrective Action Plan. The existing floor slab was maintained as a hard cover protective of human health and the environment. Any breaches of the hard cover were conducted in a controlled manner and the hard cover repaired following completion of work.

During the redevelopment of the site, the hard cover outside the building was breached to allow for installation of a concrete-lined trench drain and for concrete footings which support a canopy over a dog-walk at the east end of the on-site building. Additionally, penetrations of the hard cover were observed inside the building. The penetrations consisted of shallow trenches (1 to 2 feet) excavated to allow installation of plumbing.

Observations of the penetrations following completion of the work activities revealed that the penetrations were repaired.

8.0 DESCRIPTION OF THE RESPONSIBLE PARTY FOR THE RELEASE DETECTED AT THE PROPERTY

The elevated metals constituents concentrations detected are believed to be the result of fill imported to the site at the time of development in the late 1940s and/or early 1950s. The party(s) responsible for the releases to soil have not been determined.

Pesticides, PCBs and PAHs were not detected in groundwater. VOCs detected in groundwater were consistent with those used in auto service operations and are believed to be associated with off-site, upgradient sources. The metals detected in non-turbid groundwater samples were below Type 1 RRS and are considered representative of background levels.

9.0 SOIL COMPLIANCE

The site is intended to remain in use as a commercial business. Currently the tenants are a restaurant and a veterinary clinic. As such, Type 3 (subsurface and subsurface) RRS were calculated for the site. The RRS calculations are included in Appendix H.

The following table summarizes the applicable RRS along with the highest regulated substance concentrations in soil remaining at the site and their locations:

Regulated Substance	Highest Concentration Remaining On-Site*	Location	Type 3 RRS (Surface/Subsurface)
Arsenic	120	BH-7/5-10'	38/41
Barium	2780	BH-6/0-5	100/100
Cadmium	4.7	BH-7/10-15	39/39
Chromium	46.3	BH-1/2.5-10	110/1200
Lead	6270	6270	400/400

*Results reported in milligrams per kilogram

The Brownfield Corrective Action Plan and the Voluntary Remediation Plan Application proposed a Type 5 RRS which has been achieved for the site based on the following:

- Remediation of impacted soil to the residential RRS is not feasible based on the volume and depth of impacted fill material present on the site.
- Exposure to the impacted fill material is incomplete because of engineering controls which will be maintained consisting of hard cover from the on-site building footprint and asphalt parking area and a clean soil barrier in the small landscaped area. Also, there is a slope at the back of the site that has been covered with shot-crete as a hard cover.
- Ground disturbing activities during site redevelopment were performed under an Environmental Management Plan and in accordance with a Maintenance and Monitoring Plan.
- A sign has been posted on the building to notify the public using the property.
- A Uniform Environmental Covenant will be executed upon EPD's approval of this CSR to restrict the use of groundwater for drinking water and restrict site-use to non-residential occupants.
- Engineering and institutional controls protective of human health and the environment will be maintained.

10.0 EXPOSURE PATHWAYS

In a risk assessment, exposure pathways are means by which hazardous substances move through the environment from a source to a point of contact with humans and/or the environment. A complete exposure pathway must have four parts: (1) a source of contamination, (2) a mechanism for transport of a substance from the source to the air, surface water, groundwater and/or soil, (3) a point where contact can be made with contaminated air, surface water, groundwater and/or soil, and (4) a route of entry into the receptor.

10.1 SOIL

Soils at the site are in compliance with Type 5 RRS. Ground disturbing activities at the site associated with building renovation and hard cover construction are complete. The entire site is covered by the building, pavement, and/or a minimum of two feet of clean fill. Therefore, the soil pathway is incomplete. Any future ground-disturbing activities, such as potential roadway construction, will be performed under the Brownfield CAP and/or the Monitoring and Maintenance Plan that will remain in effect under the Uniform Environmental Covenant.

10.2 GROUNDWATER

The groundwater table at the site has been measured at depths ranging from approximately 18 feet to approximately 25 feet below the ground surface. Groundwater testing has also shown metals below Type 1 RRS, but chloroform and trichloroethene have been above Type 1 RRS in upgradient monitoring wells. An environmental covenant will restrict groundwater use. Future site use plans do not include significant redevelopment or construction that would encounter the water table. Therefore, the groundwater exposure pathway is incomplete.

10.3 WATER SUPPLY

Tetrachloroethene, trichloroethene, 1,1-dichloroethene, 1,2-dichloroethane, 1,1,1-tetrachloroethane, cis-1,2-dichloroethene, bromodichloromethane, barium, cadmium, chromium and lead were the regulated substances detected in groundwater on the site. A water usage survey of the area did not identify the presence of drinking water wells within three miles of the site. The City of Atlanta provides municipal water service to the site area. Water for Atlanta's system is obtained from surface intakes on the Chattahoochee River. Groundwater on-site will not be used for drinking water. Therefore, the drinking water exposure pathway is incomplete.

10.4 SURFACE WATER

There are no surface water bodies on or in the immediate vicinity of the property. Therefore, the surface water exposure pathway is incomplete.

10.5 SOURCE

The metals impacts in the fill material on site is not a source of metals contamination in the underlying groundwater. There are no VOC impacts to on-site soils contributing to the VOC impacts in groundwater on-site.

10.6 VAPOR

In order to evaluate the risk of exposure to the occupants of the buildings, the GW_IA-Calc module of the May 2016 Vapor Intrusion Screening Level Calculator (Version 3.5.1), was used to estimate risks and hazards associated with indoor air concentrations from residual groundwater impacts for the 1071 Howell Mill Road Site. The constituents of potential concern (COPCs) in groundwater are chloroform and tetrachloroethene. The maximum detected concentrations detected in MW-3R over the last four sampling events (July 2012, November 2013, October 2014, and September 2015) were used in the calculations. For this time period, concentrations of chloroform ranged from 0.0058 micrograms per liter ($\mu\text{g}/\text{L}$) to 0.19 $\mu\text{g}/\text{L}$. Concentrations of tetrachloroethene ranged from 0.065 $\mu\text{g}/\text{L}$ to 0.15 $\mu\text{g}/\text{L}$.

This approach assumes the structure of the building is located above the subsurface impacts and volatile emissions will enter through the concrete floor slab. This approach does not incorporate dispersion, dilution, or bio-attenuation. However, in actuality, the concentrations of volatile compounds may naturally attenuate over time. In fact, concentrations in MW-3R exhibit a downward trend in concentrations with time. This approach also assumes an infinite subsurface contamination source, while the distribution under the building is not homogeneous. In general, the assumptions used to estimate indoor air exposures and risks would tend to overestimate indoor air concentrations.

Table 5 in Appendix C summarizes the results of the risk calculations for commercial land use. The estimated incremental risk from vapor intrusion in indoor air is 3×10^{-8} . The estimated hazard index (HI) for vapor intrusion to indoor air from the COPCs in groundwater is 0.0003. The HI is less than one and the incremental risks are less than 1×10^{-5} . Based on these results, the vapor intrusion pathway would not pose an unacceptable hazard or risk to occupational receptors working in the building, and would not be of concern to human health in the future.

Table 6 in Appendix C summarizes the results of the risk calculations for future residential land use. The estimated incremental risk from vapor intrusion in indoor air is 2×10^{-7} for residential receptors. The estimated hazard index (HI) for vapor intrusion to indoor air from the COPCs in groundwater is 0.003 for residential receptors. The HI is less than one and the incremental risks are less than 1×10^{-5} . Based on these results, the vapor intrusion pathway would not pose an unacceptable hazard or risk to future residential receptors living in the building, and would not be of concern to human health in the future.

In conclusion, the resulting estimated cumulative hazards and risks indicate no unacceptable risk or hazards for occupational or residential receptors potentially exposed via indoor air vapor emissions based on maintaining the current hard cover and current building parameters.

11.0 CONCLUSIONS

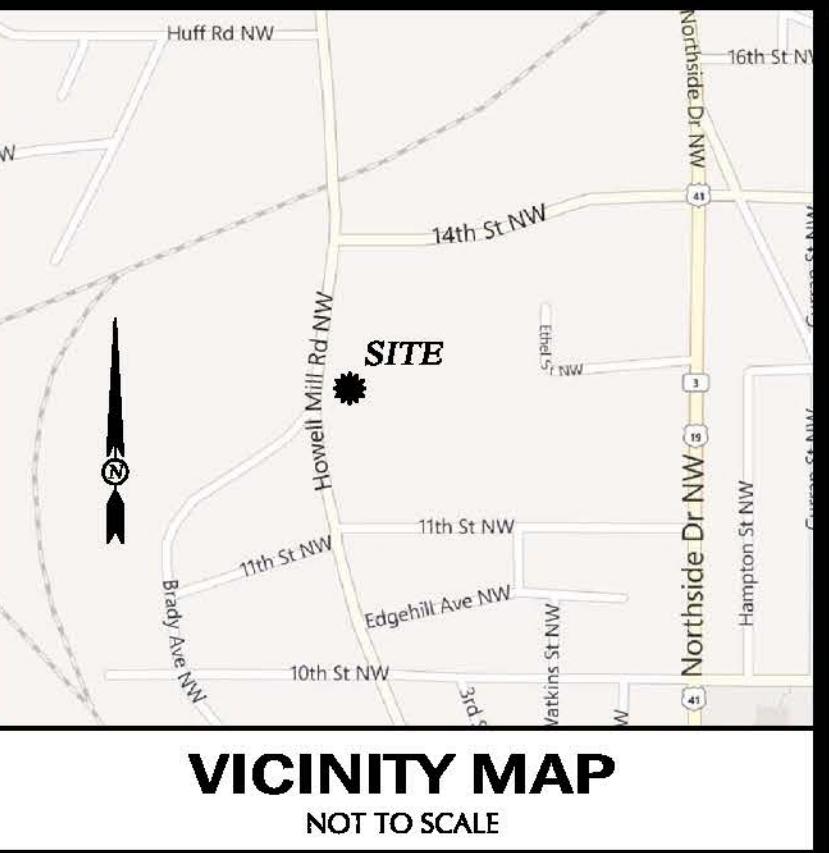
Based on the findings of the assessment activities and the results of corrective action, the following conclusions are presented:

- Site redevelopment is complete and the site has been restored to conditions consistent with the Type 5 RRS approach proposed in the VRPA (and PPCAP).
- There are no current exposure pathways for soil, groundwater, surface water or vapor. Implementation of Engineering and Institutional controls will ensure continued compliance.
- The site is eligible for delisting as a sub-listed property of HSI site No. 10637 upon the recording of a Uniform Environmental Covenant.
- An “interim” limitation of liability letter is requested for the site under the Brownfield Program until such time that a final Brownfield CSR is submitted.

12.0 REFERENCES

- Cressler, C.W., C.J. Thurmond and W.G. Hester, 1983, Groundwater in the Greater Atlanta Region, Georgia; Georgia Geologic Survey Information Circular 63
- Fetter, C.W., Applied Hydrogeology, third edition, 1994, Macmillan Publishing Company, New York
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- USEPA 2004. User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings, US Environmental Protection Agency, February 2004.
- USEPA 2014. Memorandum: Compilation of Information Relating to Early/Interim Actions at Superfund Sites and the TCE IRIS Assessment, Office of Solid Waste and Emergency Response, August 27 2014.
- USEPA 2016. Vapor Intrusion Screening Level Calculator. U.S Environmental Protection Agency, May 2016.
- USEPA 2015b. OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, Office of Solid Waste and Emergency Response, June 2015.

APPENDIX A
LEGAL DESCRIPTION AND BOUNDARY SURVEY



VICINITY MAP

NOT TO SCALE

NOT TO SCALE

SPECIAL NOTES

- 1) CERTIFICATION AND DECLARATION IS MADE TO THE ENTITIES AS LISTED IN THE TITLE BLOCK AND/OR CERTIFICATIONS. THE CERTIFICATIONS AND DECLARATIONS ON THIS PLAT ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
 - 2) SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY.
 - 3) THE UNDERSIGNED SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
 - 4) PURSUANT TO RULE 180-6.09 OF THE GEORGIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS, THE TERM "CERTIFICATION" RELATING TO PROFESSIONAL ENGINEERING AND LAND SURVEYING SERVICES SHALL MEAN A SIGNED STATEMENT BASED UPON FACTS AND KNOWLEDGE KNOWN TO THE REGISTRANT AND IS NOT A GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED.

GENERAL NOTES

- ACCORDING TO THE F.E.M.A. FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 121C0241E, DATED 6/22/1998 FOR FULTON COUNTY, GEORGIA, THIS PROPERTY DOES NOT LIE THIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY F.E.M.A.

CURRENT ZONING ACCORDING TO THE CITY OF ATLANTA IS LISTED AS I-1, LIGHT INDUSTRIAL STRICT. THE CITY OF ATLANTA ZONING DEPARTMENT MUST BE REFERENCED FOR ALL REQUIREMENTS UNDER THIS ZONING.

BUILDING SETBACKS:

MINIMUM FRONT SETBACK - 40 FEET.

MINIMUM SIDE SETBACK - 0 OR 5 FEET.

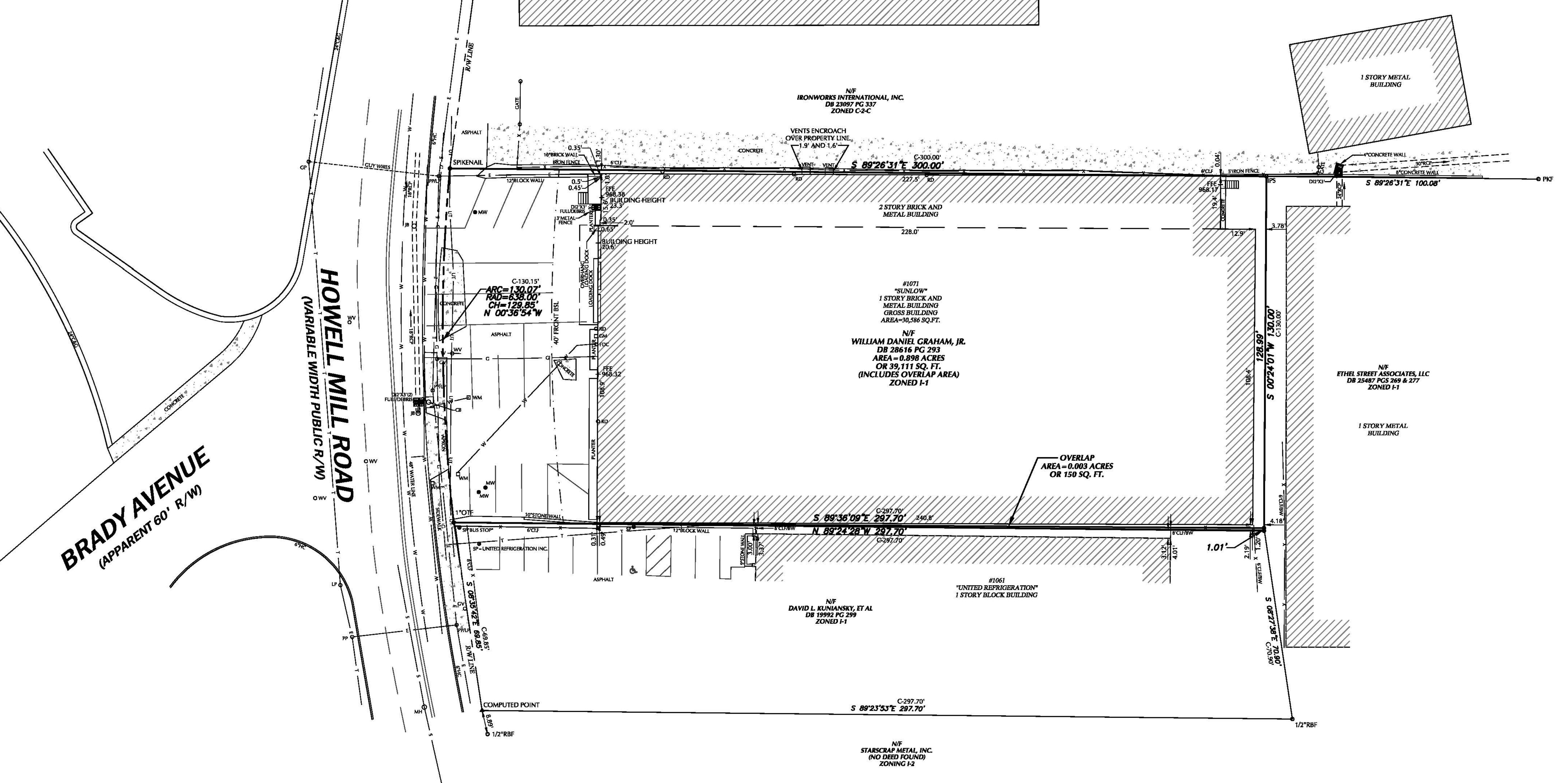
MINIMUM REAR SETBACK - 0 OR 5 FEET.

MAXIMUM BUILDING HEIGHT IS UNLIMITED.

HORIZONTAL AND VERTICAL REFERENCE SHOWN HEREON WAS TAKEN FROM FULTON COUNTY CONTROL MONUMENT, NO. F031, ELEVATION - 842.05 FEET. (NAD 83 / NAVD 88)

PLAT REFERENCES

- "SURVEY FOR DANNY GRAHAM" PREPARED BY ADVANCE SURVEY, INC., DATED 12/30/2002.



11

**Know what's below.
Call before you dig.**
Or Call 800-282-7411
Three working days prior to construction

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER, AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER(S), THEIR EMPLOYEES, THEIR CONSULTANTS, THEIR CONTRACTORS, AND/OR THEIR AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON.

A horizontal graphic scale bar consisting of a black line with white tick marks at 0, 20, 40, and 60. The word "GRAPHIC SCALE - FEET" is printed below it.

Know what's below.
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ALTA/ACSM CERTIFICATION

STATE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6A, 7A, B1, 7C, 8, 9, 10A, 11A, 11B, 12, 13, 14, 16, 17 & 18 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON ____.

DATE OF PLAT OR MAP: ___ BY: GLENN A. VALENTINO, GEORGIA REGISTERED SURVEYOR #2528

FIELD DATES: 8/16/12 - 8/18/12

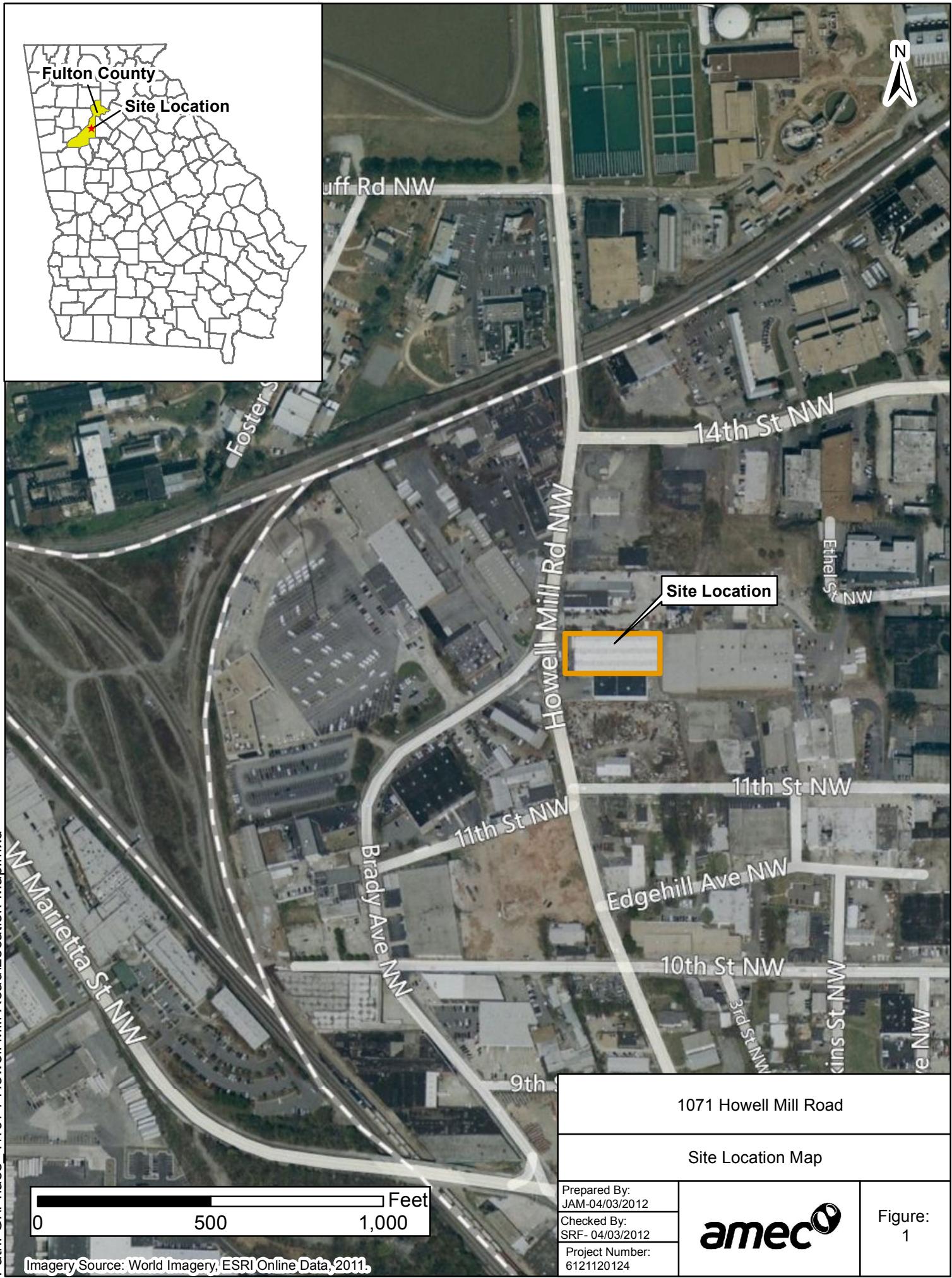
STATE OF GEORGIA PLAT ACT CERTIFICATION

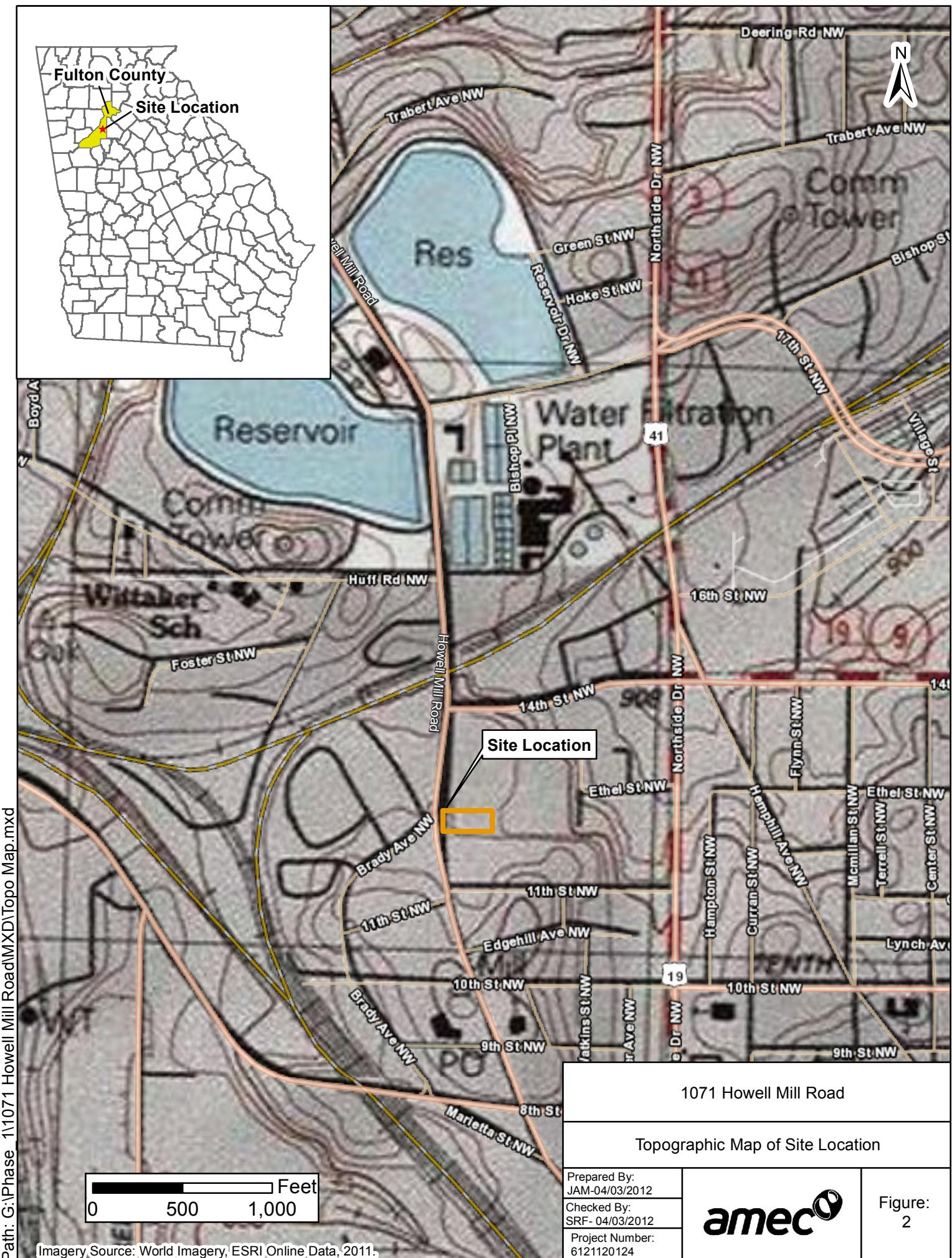
THAT THIS SURVEY WAS DONE UNDER MY SUPERVISION USING
ON GTS 233W TOTAL STATION WITH AN ANGULAR ERROR OF 1
PER STATION. THE TRAVERSE UPON WHICH THIS PLAT IS BASED,
IS CALCULATED FOR CLOSURE BY THE LEAST SQUARE RULE AND IS
TO BE ACCURATE WITHIN ONE FOOT IN 93,319 FEET. THE
ACCURACY OF THIS PLAT IS ONE FOOT IN FEET.

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NUMBER: 12-078
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TED: 8/17/2012

**ALTA/ACSM
LAND TITLE &
UTILITY SURVEY**

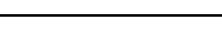
APPENDIX B
FIGURES

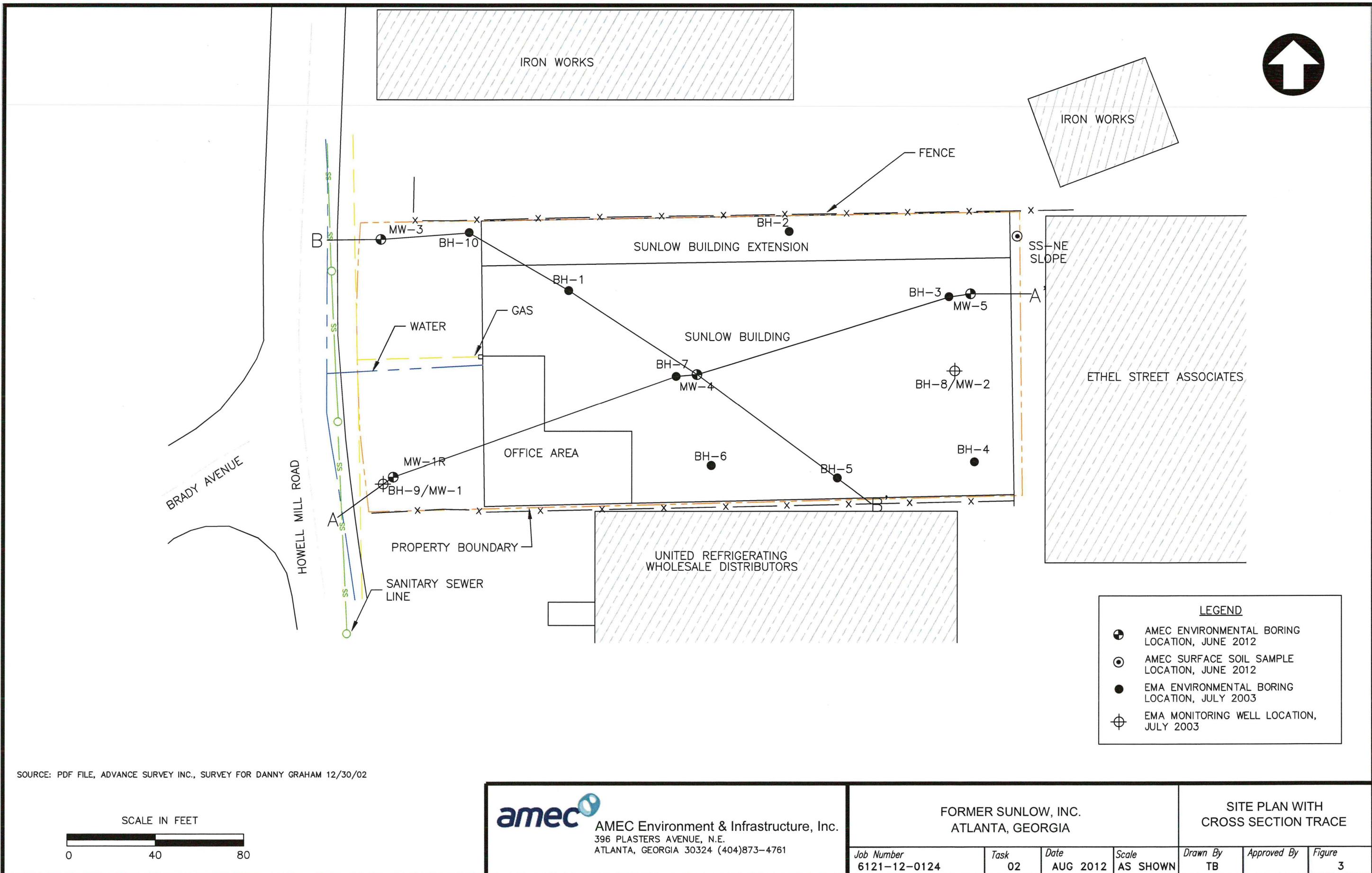


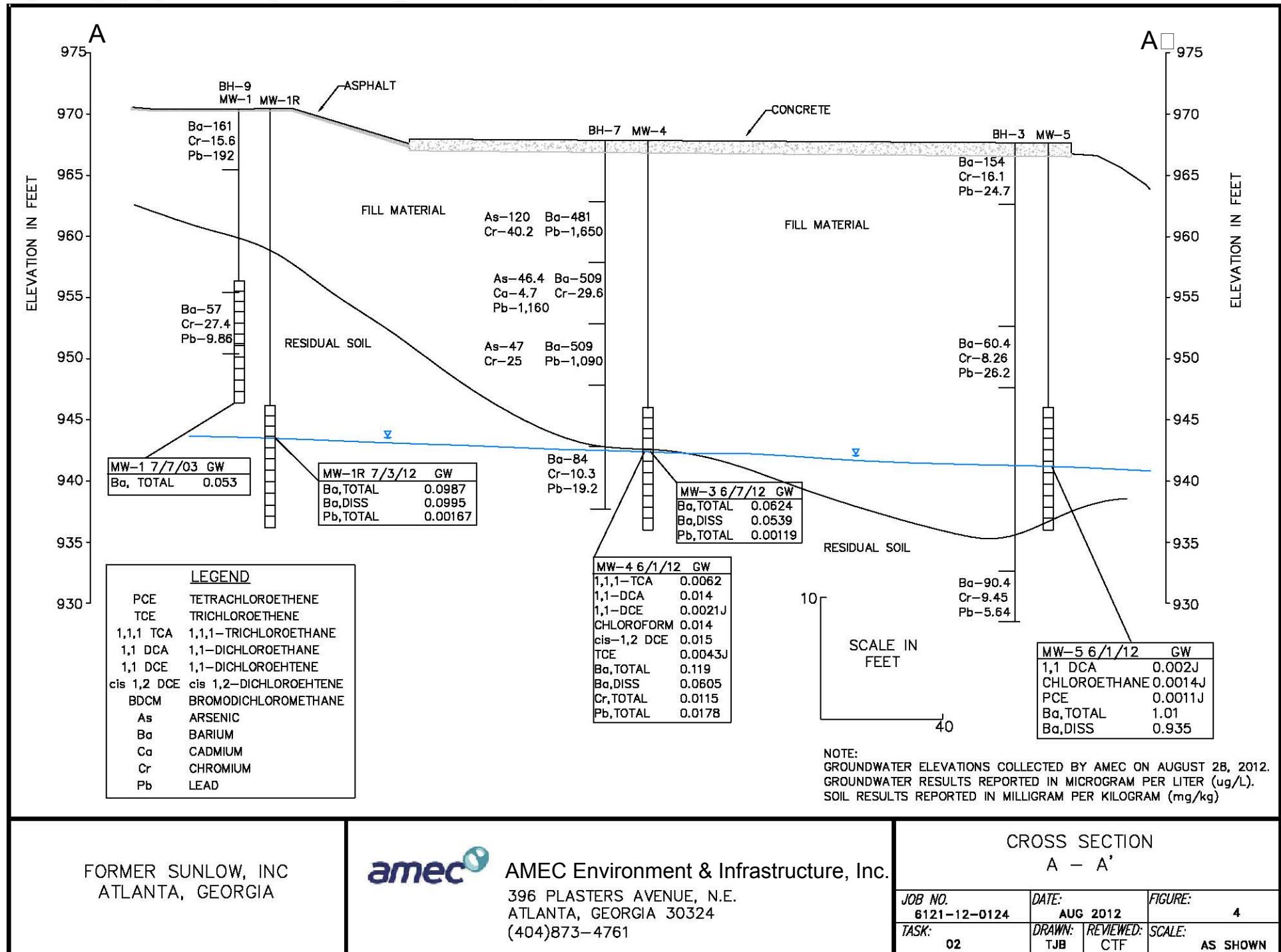


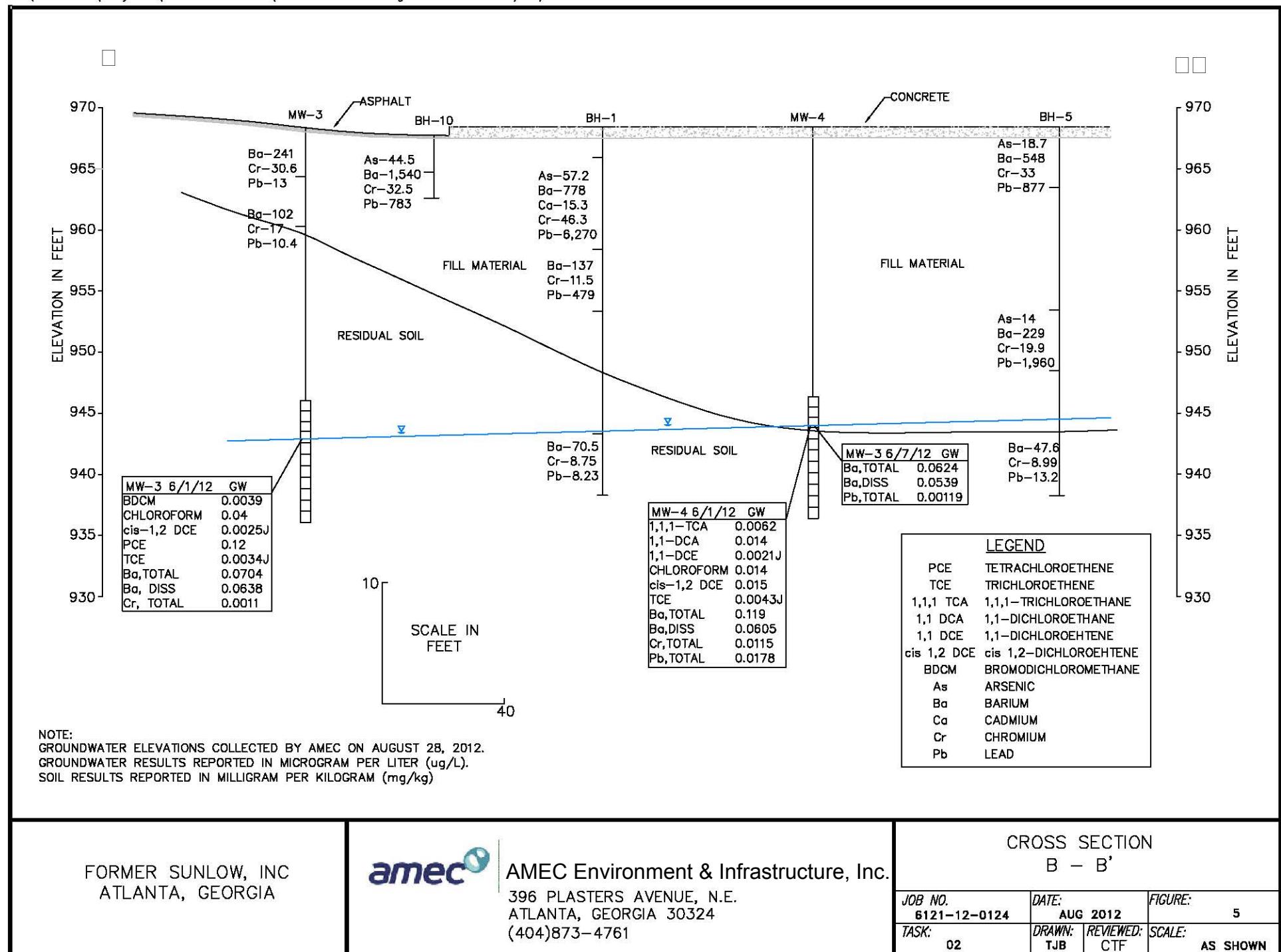
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Imagery Source: World Imagery, ESRI Online Data, 2011.

1071 Howell Mill Road		
Topographic Map of Site Location		
Prepared By: JAM-04/03/2012		Figure: 2
Checked By: SRF- 04/03/2012		
Project Number: 6121102124		







FORMER SUNLOW, INC
ATLANTA, GEORGIA

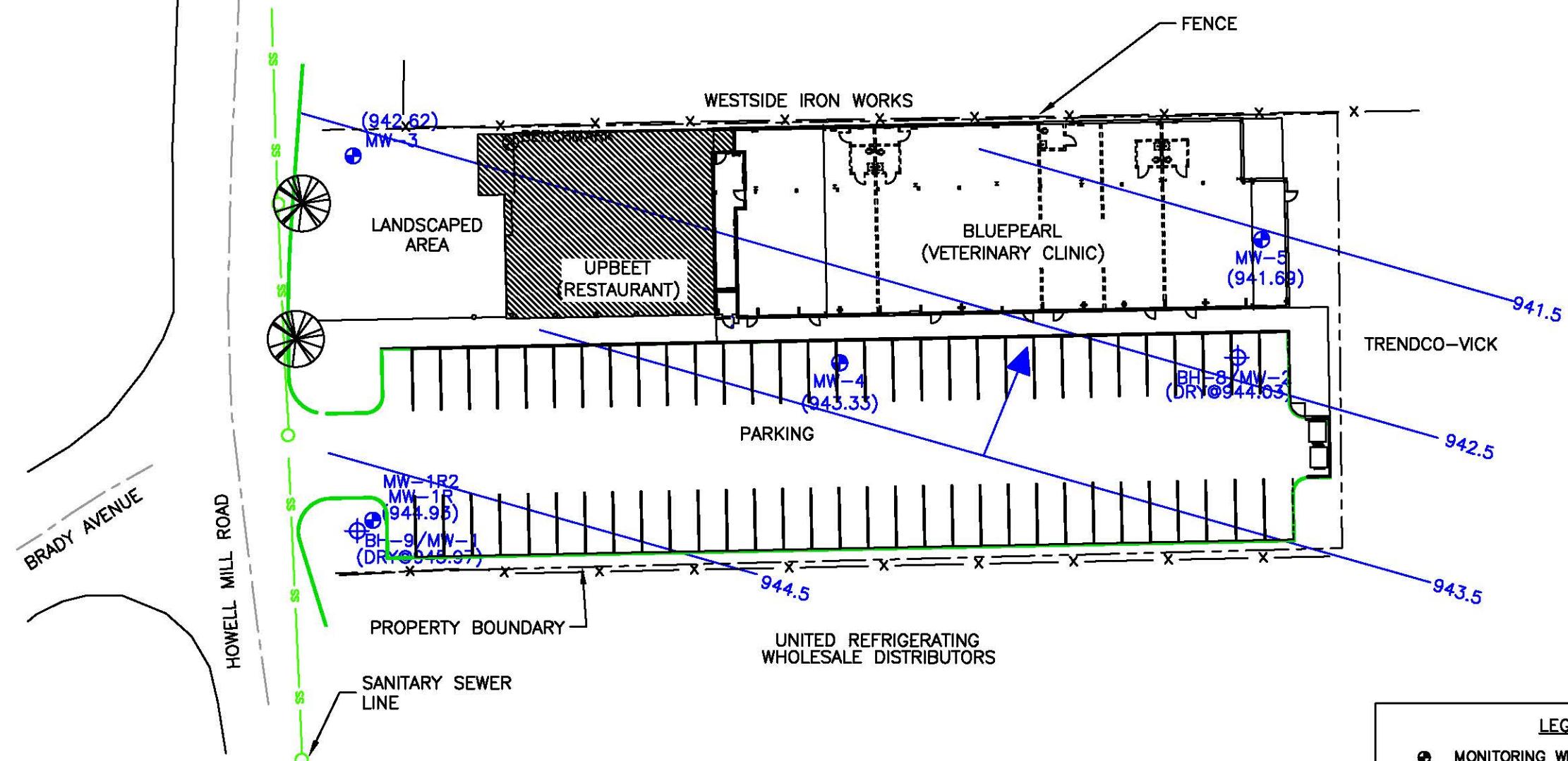
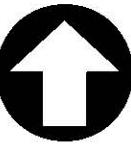


AMEC Environment & Infrastructure, Inc.
396 PLASTERS AVENUE, N.E.
ATLANTA, GEORGIA 30324
(404)873-4761

CROSS SECTION
B - B'

JOB NO.	DATE:	FIGURE:
6121-12-0124	AUG 2012	5
TASK:	DRAWN:	REVIEWED:
02	TJB	CTF

SCALE:
AS SHOWN



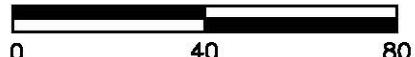
LEGEND

- MONITORING WELL LOCATION – AMEC
- ◆ MONITORING WELL LOCATION – EMC
- (916.07) WATER TABLE ELEVATION
- GROUNDWATER CONTOUR
- INTERPRETED GROUNDWATER FLOW DIRECTION

NOTE:
BENCHMARK ELEVATION OF 968.38 FEET FROM SURVEY BY
VALENTINO & ASSOCIATES, INC. DATED 8/17/2012

SOURCE: PDF FILE, ADVANCE SURVEY INC., SURVEY FOR DANNY GRAHAM 12/30/02

SCALE IN FEET



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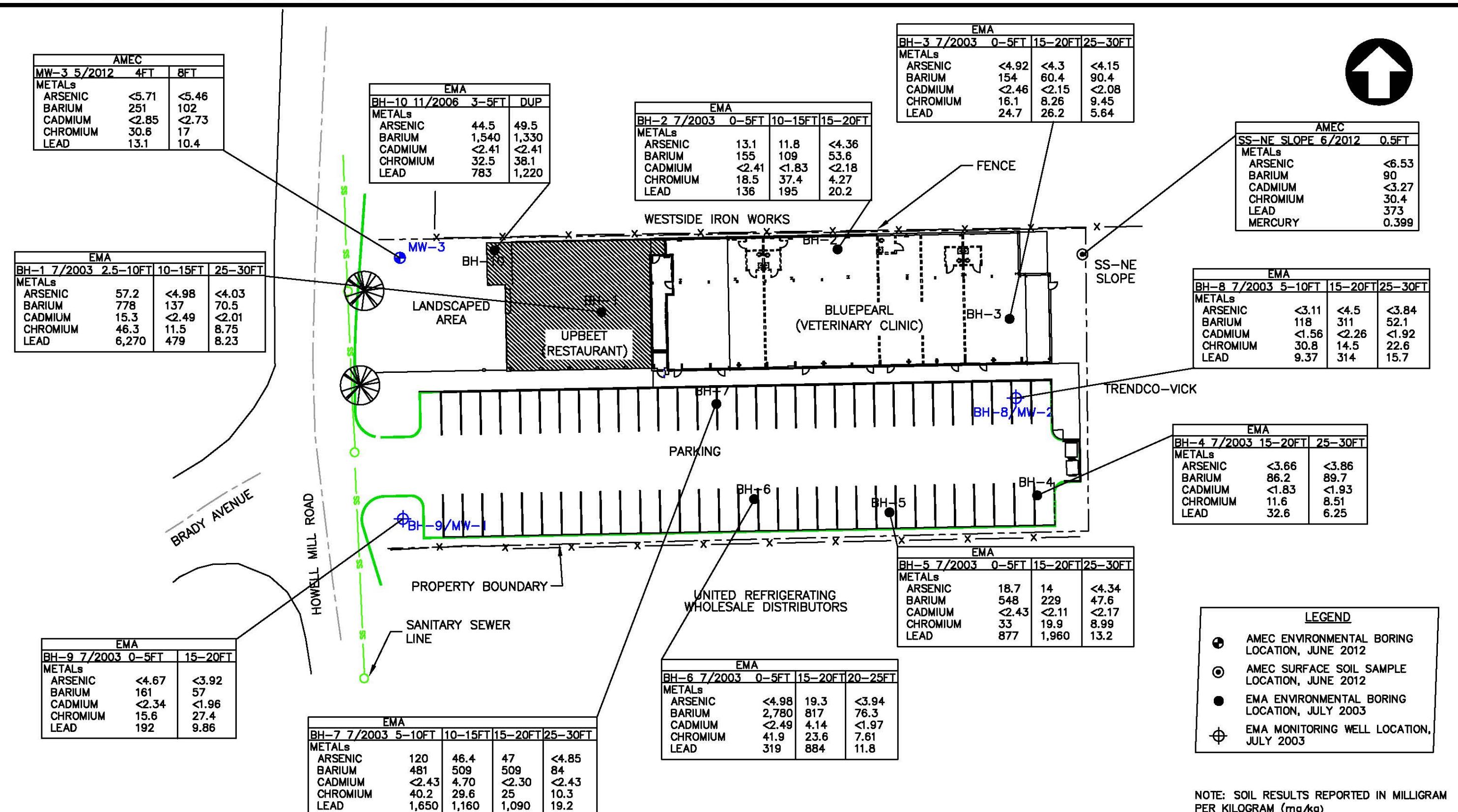
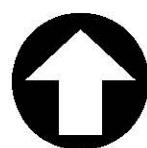
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FORMER SUNLOW, INC.
ATLANTA, GEORGIA

POTENTIOMETRIC
SURFACE MAP
AUGUST 28, 2012

Job Number	Task	Date	Scale	Drawn By	Approved By	Figure
6121-12-0124	02	OCT 2017	AS SHOWN	TG		6



SOURCE: PDF FILE, ADVANCE SURVEY INC., SURVEY FOR DANNY GRAHAM 12/30/02

SCALE IN FEET

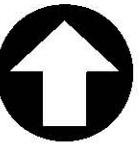


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2677 BUFFORD HWY NE
ATLANTA, GEORGIA 30324 (404)873-4761FORMER SUNLOW, INC.
ATLANTA, GEORGIASUMMARY OF SOIL
TESTING RESULTS

Job Number	Task	Date	Scale	Drawn By	Approved By	Figure
6121-12-0124	02	OCT 2017	AS SHOWN	TG		7



AMEC	
MW-3	6/1/12
VOCs	
BDCM	0.0039J
CHLOROFORM	0.040
CIS-1,2 DCE	0.0025J
PCE	0.120
TCE	0.0034J
PCBs	BRL
PAHs	BRL
PESTICIDES	BRL
METALS-TOTAL	
BARIUM	0.0704
CADMIUM	<0.0003
CHROMIUM	0.0011J
METALS-DISS	
BARIUM	0.0638
CADMIUM	0.0005J
CHROMIUM	<0.0006

AMEC	
MW-5	6/1/12
VOCs	
1,1 DCA	0.002J
CHLOROETHANE	0.0014J
PCE	0.0011J
PCBs	BRL
PAHs	BRL
PESTICIDES	BRL
METALS-TOTAL	
BARIUM	1.01
METALS-DISS	
BARIUM	0.935

TRENDCO-VICK

AMEC	
MW-1R	7/3/12
VOCs	BRL
PCBs	BRL
PAHs	BRL
PESTICIDES	BRL
METALS-TOTAL	
BARIUM	0.0987
LEAD	0.00167
METALS-DISS	
BARIUM	0.0995
LEAD	<0.001

EMA	
MW-1	7/7/03
VOCs	NT
PCBs	NT
PAHs	NT
PESTICIDES	NT
METALS-TOTAL	
BARIUM	0.053
METALS-DISS	
BARIUM	NT

UNITED REFRIGERATING WHOLESALE DISTRIBUTORS

AMEC		
MW-4	6/1/12	6/7/12
VOCs		
1,1,1 TCA	0.0062	NT
1,1 DCA	0.014	NT
1,1 DCE	0.0021J	NT
CHLOROFORM	0.014	NT
cis 1,2 DCE	0.015	NT
TCE	0.0043J	NT
PCBs	BRL	NT
PAHs	BRL	NT
PESTICIDES	BRL	NT
METALS-TOTAL		
BARIUM	0.119	0.0624
CHROMIUM	0.0115	<0.005
LEAD	0.0178	0.00119
METALS-DISS		
BARIUM	0.0605	0.0539
CHROMIUM	<0.0006	<0.005
LEAD	<0.0016	<0.001

EMA	
MW-2	7/7/03
VOCs	NT
PCBs	NT
PAHs	NT
PESTICIDES	NT
METALS-TOTAL	
BARIUM	0.132
LEAD	0.0178
METALS-DISS	
BARIUM	0.114
LEAD	<0.01

LEGEND	
●	MONITORING WELL LOCATION - AMEC
○	MONITORING WELL LOCATION - EMA
VOCs	VOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
PAHs	POLY AROMATIC HYDROCARBONS
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
1,1,1 TCA	1,1,1-TRICHLOROETHANE
1,1 DCA	1,1-DICHLOROETHANE
1,1 DCE	1,1-DICHLOROETENE
cis 1,2 DCE	cis 1,2-DICHLOROETENE
BDCM	BROMODICHLOROMETHANE
BRL	BELOW LABORATORY REPORTING LIMITS
ND	NOT DETECTED
NT	NOT TESTED

NOTE: GROUNDWATER RESULTS REPORTED IN
MILLIGRAM PER LITER (mg/L)

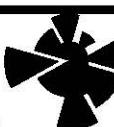
SOURCE: PDF FILE, ADVANCE SURVEY INC., SURVEY FOR DANNY GRAHAM 12/30/02

SCALE IN FEET



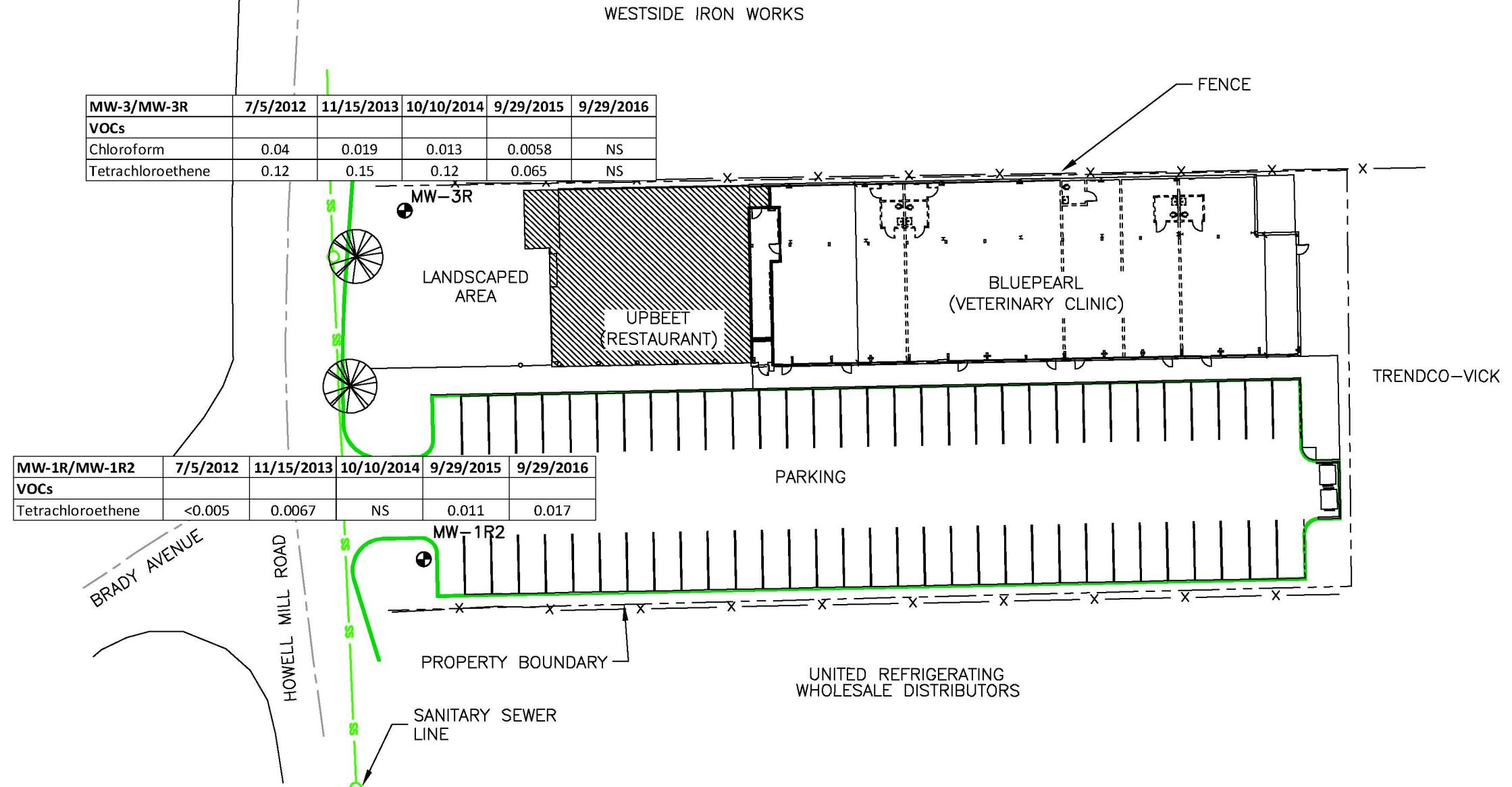
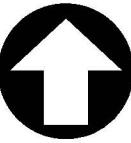
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FORMER SUNLOW, INC.
ATLANTA, GEORGIA

Job Number	Task	Date	Scale	Drawn By	Approved By	Figure
6121-12-0124	02	OCT 2017	AS SHOWN	TG		8



LEGEND

- MONITORING WELL LOCATION
- NS WELL NOT SAMPLED

RESULTS REPORTED IN MILLIGRAMS PER LITER (mg/L)

SOURCE: PDF FILE, ADVANCE SURVEY INC., SURVEY FOR DANNY GRAHAM 12/30/02

SCALE IN FEET



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AMEC Environment & Infrastructure, Inc.
96 PLASTERS AVENUE, N.E.
ATLANTA, GEORGIA 30324 (404)873-4761



FORMER SUNLOW, INC.
ATLANTA, GEORGIA

SUMMARY OF ANNUAL
GROUNDWATER
TESTING RESULTS

Job Number	Task	Date	Scale	Drawn By	Approved By	Figure
6121-12-0124	02	OCT. 2016	AS SHOWN	TG	SD	9

APPENDIX C
TABLES

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 1 - SUMMARY OF WELL CONSTRUCTION/WATER LEVEL DATA

Well ID	Measurement Date	Well Elevation, FT*	Depth of Well, FT	Well Screen Interval, FT	Depth to Water, FT	Groundwater Elevation, FT
MW-1	7/3/2003	970.45	25	10-25	18.90	951.55
	6/6/2012				Dry	Dry @ 945.97
	7/16/2014				22.98	947.47
MW-1R	7/5/2012	970.43	34	24-34	25.50	944.93
	11/15/2013				22.87	947.56
	7/16/2014				22.50	947.93
MW-1R2	9/29/2015	970.84	35	20-35	23.30	947.54
	9/29/2016				23.77	947.07
MW-2	7/3/2003	968.23	25	19-25	21.04	947.19
	6/6/2012				Dry	Dry @ 944.03
	7/16/2014				23.82	944.41
MW-3	6/6/2012	968.75	32	22-32	26.13	942.62
	11/15/2013				23.80	944.95
	7/16/2014				23.57	945.18
	10/10/2014				24.25	944.50
MW-3R	9/29/2015	968.54	35	20-35	23.82	944.72
MW-4	6/6/2012	968.17	32	22-32	24.84	943.33
	7/16/2014				23.66	944.51
MW-5	6/6/2012	967.56	32	22-32	25.87	941.69
	7/16/2014				23.97	943.59

* Relative to benchmark elevation of 968.38 feet at northwest corner building entrance

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS

Sample ID:		BH-1	BH-1	BH-1	BH-2	BH-2	BH-2
Sample Date:	Type 1 RRS	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003
Sample Depth:		2.5-10	10-15	25-30	0-5	10-15	15-20
Sample Collection Method:		Direct Push					
Metals, mg/kg							
Arsenic	20	57.2	H*	<4.98	U	<4.03	U
Barium	1,000	778	H*	137	70.5	155	109
Cadmium	2	15.3	H*	<2.49	U	<2.01	U
Chromium, Total	100	46.3	H*	11.5	8.75	18.5	37.4
Lead	75	6,270	H*	479	8.23	136	195

Notes:

RRS = Risk Reduction Standard

U = Constituent was not detected at the reporting limit

H* = Samples were exceeded laboratory holding times

mg/kg - milligrams per kilograms

Reference:

EMA's CSR dated September 10,2003, revised December
6, 2006

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS

Sample ID:		BH-3	BH-3	BH-3	BH-4	BH-4	BH-5						
Sample Date:	Type 1 RRS	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003						
Sample Depth:		0-5	15-20	35-40	15-20	25-30	0-5						
Sample Collection Method:		Direct Push											
Metals, mg/kg													
Arsenic	20	<4.92	H*	<4.30	U	<4.15	U	<3.66	U	<3.86	U	18.7	H*
Barium	1,000	154	H*	60.4		90.4		86.2		89.7		548	H*
Cadmium	2	<2.46	H*	<2.15	U	<2.08	U	<1.83	U	<1.93	U	<2.43	H*
Chromium, Total	100	16.1	H*	8.26		9.45		11.6		8.51		33	H*
Lead	75	24.7	H*	26.2		5.64		32.9		6.25		877	H*

Notes:

RRS = Risk Reduction Standard

U = Constituent was not detected at the reporting limit

H* = Samples were exceeded laboratory holding times

mg/kg - milligrams per kilograms

Reference:

EMA's CSR dated September 10,2003, revised December
6, 2006

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS

Sample ID:		BH-5	BH-5	BH-6	BH-6	BH-6	BH-7
Sample Date:	Type 1 RRS	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003
Sample Depth:		15-20	25-30	0-5	15-20	20-25	5-10
Sample Collection Method:		Direct Push					
Metals, mg/kg							
Arsenic	20	14	<4.34	U	<4.98	H*	19.3
Barium	1,000	229	47.6		2,780	H*	817
Cadmium	2	<2.11	U	<2.17	U	<2.49	H*
Chromium, Total	100	19.9	8.99		41.9	H*	23.6
Lead	75	1,960	13.2		319	H*	884

Notes:

RRS = Risk Reduction Standard

U = Constituent was not detected at the reporting limit

H* = Samples were exceeded laboratory holding times

mg/kg - milligrams per kilograms

Reference:

EMA's CSR dated September 10,2003, revised December 6, 2006

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS

Sample ID:		BH-7	BH-7	BH-7	BH-8	BH-8	BH-8					
Sample Date:	Type 1 RRS	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003	7/2/2003					
Sample Depth:		10-15	15-20	25-30	5-10	15-20	25-30					
Sample Collection Method:		Direct Push										
Metals, mg/kg												
Arsenic	20	46.4	47	<4.85	U	<3.11	U	<4.51	U	<3.84	U	
Barium	1,000	509	509	84		118		311		52.1		
Cadmium	2	4.7	<2.30	U	<2.43	U	<1.56	U	<2.26	U	<1.92	U
Chromium, Total	100	29.6	25	10.3		30.8		14.5		22.6		
Lead	75	1,160	1,090	19.2		9.73		314		15.7		

Notes:

RRS = Risk Reduction Standard

U = Constituent was not detected at the reporting limit

H* = Samples were exceeded laboratory holding times

mg/kg - milligrams per kilograms

Reference:

EMA's CSR dated September 10,2003, revised December 6, 2006

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS

Sample ID:		BH-9	BH-9	BH-10	BH-10 - DUP
Sample Date:	Type 1 RRS	7/2/2003	7/2/2003	11/2/2006	11/2/2006
Sample Depth:		0-5	15-20	3-5	3-5
Sample Collection Method:		Direct Push	Direct Push	Direct Push	Direct Push
Metals, mg/kg					
Arsenic	20	<4.67	U	44.5	49.5
Barium	1,000	161	57	1,540	1,330
Cadmium	2	<2.34	U	<2.41	U
Chromium, Total	100	15.6	27.4	32.5	38.1
Lead	75	192	9.86	783	1,220

Notes:

RRS = Risk Reduction Standard

U = Constituent was not detected at the reporting limit

H* = Samples were exceeded laboratory holding times

mg/kg - milligrams per kilograms

Reference:

EMA's CSR dated September 10,2003, revised December 6, 2006

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS

Sample ID:		MW-3	MW-3	SS-NE SLOPE
Sample Date:	Type 1 RRS	5/31/2012	5/31/2012	6/6/2012
Sample Depth, Ft:		4	8	0.5
Sample Collection Method:		Direct Push	Direct Push	Hand Tool
Metals, mg/kg				
Arsenic	20	<5.71	U	<5.46
Barium	1,000	241		102
Cadmium	2	<2.85	U	<2.73
Chromium, Total	100	30.6		17
Lead	75	13		10.4
Mercury	NA	<0.119	U	<0.109
Selenium	NA	<5.71	U	<5.46
Silver	NA	<2.85	U	<2.73
				U
				90
				<3.27
				30.4
				373
				0.399
				<6.53
				U
				<3.27
				U

Notes:

U = Constituent was not detected at the reporting limit

RRS = Risk Reduction Standard

mg/kg - milligrams per kilograms

NA = Not Applicable

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 3 - SUMMARY OF GROUNDWATER TESTING RESULTS

Sample ID:	MW-1		MW-2				
Sample Date:	7/7/2003		7/7/2003				
Sample Matrix:	Groundwater		Groundwater				
Units:	mg/L		mg/L				
Metals	<u>Total</u>	<u>Dissolved</u>	<u>Total</u>	<u>Dissolved</u>			
Arsenic	<0.05	U	--	<0.05	U	<0.05	U
Barium	0.053	--	0.132	--	0.114	--	
Cadmium	<0.005	U	--	<0.005	U	<0.005	U
Chromium, Total	<0.001	U	--	<0.001	U	<0.001	U
Lead	<0.001	U	--	0.0178	--	<0.001	U

Notes:

-- = Not Analyzed

U = Constituent was not detected at the reporting limit

mg/L = milligrams per liter

Reference:

EMA's CSR dated September 10,2003,
revised December 6, 2006

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 3 - SUMMARY OF GROUNDWATER TESTING RESULTS

Sample ID:	MW-1R	MW-3	MW-4	MW-4	MW-5					
Sample Date:	7/3/2012	6/1/2012	6/1/2012	6/7/2012	6/1/2012					
Sample Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater					
Units:	mg/L	mg/L	mg/L	mg/L	mg/L					
Volatile Organic Compounds (VOCs)										
1,1,1-Trichloroethane	<0.005 U	<0.0004 U	0.0062	--	<0.0004 U					
1,1-Dichloroethane	<0.005 U	<0.00019 U	0.014	--	0.002 J					
1,1-Dichloroethene	<0.005 U	<0.00079 U	0.0021 J	--	<0.00079 U					
Bromodichloromethane	<0.005 U	0.0039 J	<0.00020 U	--	<0.00020 U					
Chloroethane (Ethyl chloride)	<0.010 U	<0.00069 U	<0.00069 U	--	0.0014 J					
Chloroform	<0.005 U	0.04	0.014	--	<0.00023 U					
cis-1,2-Dichloroethene	<0.005 U	0.0025 J	0.015	--	<0.00031 U					
Tetrachloroethylene	<0.005 U	0.12	<0.00047 U	--	0.0011 J					
Trichloroethylene	<0.005 U	0.0034 J	0.0043 J	--	<0.00038 U					
Polychlorinated Biphenyls (PCBs)										
	BRL	BRL	BRL	--	BRL					
Polycyclic Aromatic Hydrocarbons (PAHs)										
	BRL	BRL	BRL	--	BRL					
Pesticides										
	BRL	BRL	BRL	--	BRL					
Metals										
Arsenic	Total <0.05 U	Dissolved <0.05 U	Total <0.0016 U	Dissolved <0.0016 U	Total <0.0016 U	Dissolved <0.0016 U	Total <0.005 U	Dissolved <0.005 U	Total <0.0016 U	Dissolved <0.0016 U
Barium	0.0987	0.0995	0.0704	0.0638	0.119	0.0605	0.0624	0.0539	1.1	0.935
Cadmium	<0.0007 U	<0.0007 U	<0.0003 U	0.0005 J	<0.0003 U	<0.0003 U	<0.0007 U	<0.0007 U	<0.0003 U	<0.0003 U
Chromium, Total	<0.005 U	<0.005 U	0.0011 J	<0.0006 U	0.0115	<0.0006 U	<0.005	<0.005 U	<0.0006 U	<0.0006 U
Lead	0.00167	<0.001 U	<0.0016 U	<0.0016 U	0.0178	<0.0016 U	0.00119	<0.001 U	<0.0016 U	<0.0016 U
Mercury	<0.0002 U	<0.0002 U	<0.00007 U	<0.00007 U	<0.00007 U	<0.00007 U	<0.0002 U	<0.0002 U	<0.00007 U	<0.00007 U
Selenium	<0.005 U	<0.005 U	<0.0044 U	<0.0044 U	<0.0044 U	<0.0044 U	<0.005 U	<0.005 U	<0.0044 U	<0.0044 U
Silver	<0.001 U	<0.001 U	<0.0006 U	<0.0006 U	<0.0066 U	<0.0066 U	<0.001 U	<0.001 U	<0.0066 U	<0.0066 U

Notes:

-- = Not Analyzed

U = Constituent was not detected at the reporting limit

mg/L = milligrams per liter

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 4 - SUMMARY OF ANNUAL GROUNDWATER TESTING RESULTS

Sample ID:	MW-1R	MW-1R	MW-1R	MW-1R2	MW-1R2	MW-3	MW-3	MW-3R	MW-3R
Sample Date:	7/5/2012	11/15/2013	10/10/2014	9/29/2015	9/29/2016	6/1/2012	11/15/2013	10/10/2014	9/29/2015
Sample Matrix:	Groundwater								
Units:	mg/L								

Volatile Organic Compounds (VOCs)

Chloroform	<0.005	<0.005	NT ¹	<0.005	<0.005	0.04	0.019	0.013	0.0058	NT ²
Tetrachloroethene	<0.005	0.0067	NT ¹	0.011	0.017	0.12	0.15	0.12	0.065	NT ²

Notes:

mg/L = milligrams per liter

NT¹ = Not Tested, well covered by construction material

NT² = Not Tested, well covered by electrical transformer

TABLE 5 COMMERCIAL VI RISK CALCULATION

EPA-OLEM VAPOR INTRUSION ASSESSMENT

Groundwater Concentration to Indoor Air Concentration (GWC-IAc) Calculator Version 3.5.1 (May 2016 RSLs)

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (°C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration	Calculated Indoor Air Concentration	VI Carcinogenic Risk	VI Hazard	Inhalation Unit Risk	IUR Source*	Reference Concentration (ug/m ³) ¹	RFC Source*	Mutagenic Indicator
		Cgw	Cia	CR	HQ					
		(ug/L)	(ug/m ³)							
67-66-3	Chloroform	1.9E-01	2.85E-02	2.7E-08	3.3E-05					
127-18-4	Tetrachloroethylene	1.5E-01	1.09E-01	1.2E-09	3.1E-04					

Total: 2.8E-08 0.0003

Notes:

(1) Inhalation Pathway Exposure Parameters (RME):	Units	Residential		Commercial		Selected (based on scenario)	
		Symbol	Value	Symbol	Value	Symbol	Value
Exposure Scenario							
Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	26	ATnc_C_GW	25	ATnc_GW	25
Exposure duration	(yrs)	ED_R_GW	26	ED_C_GW	25	ED_GW	25
Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	250
Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	4	ET_GW	4

(2) Generic Attenuation Factors:	Residential		Commercial		Selected (based on scenario)		
	Symbol	Value	Symbol	Value	Symbol	Value	
Source Medium of Vapors							
Groundwater	(-)	AFgw_R_GW	0.001	AFgw_C_GW	0.001	AFgw_GW	0.001
Sub-Slab and Exterior Soil Gas	(-)	AFss_R_GW	0.03	AFss_C_GW	0.03	AFss_GW	0.03

(3) Formulas:
Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m³) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m³) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RIC x (1000 ug/mg) / (ED x EF x ET)

(4) Special Case Chemicals:	Residential		Commercial		Selected (based on scenario)	
	Symbol	Value	Symbol	Value	Symbol	Value
Trichloroethylene	mIURTCE_R_GW	1.00E-06	IURTCE_C_GW	0.00E+00	mIURTCE_GW	0.00E+00
	IURTCE_R_GW	3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	4.10E-06

Mutagenic Chemicals The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.	Age Cohort	Exposure Duration	Age-dependent adjustment factor
	0 - 2 years	2	10
	2 - 6 years	4	3
	6 - 16 years	10	3
	16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 25 This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride

See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

- I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: <http://www.epa.gov/iris/subst/index.html>
- P = PPRTV: EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: <http://hprrtv.ohri.ca/hprrtv.shtml>
- A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: <http://www.atsdr.cdc.gov/mrls/index.html>
- CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: <http://www.oehha.ca.gov/risk/ChemicalDB/index.asp>
- H = HEAST: EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: <http://epa-heast.ohri.ca/heast.shtml>
- S = See RSL User Guide, Section 5
- X = PPRTV Appendix
- Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).
- VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).
- TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).
- Yellow highlighting indicates site-specific parameters that may be edited by the user.
- Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.
- Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

TABLE 6 RESIDENTIAL VI RISK CALCULATION

EPA-OLEM VAPOR INTRUSION ASSESSMENT

Groundwater Concentration to Indoor Air Concentration (GWC-IAc) Calculator Version 3.5.1 (May 2016 RSLs)

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (°C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration	Calculated Indoor Air Concentration	VI Carcinogenic Risk	VI Hazard	Inhalation Unit Risk	IUR Source*	Reference Concentration RFC Source*	RFC (mg/m³)	Mutagenic Indicator
		Cgw	Cia	CR	HQ					
		(ug/L)	(ug/m³)							
67-66-3	Chloroform	1.9E-01	2.85E-02	2.3E-07	2.8E-04	IUR				I
127-18-4	Tetrachloroethylene	1.5E-01	1.09E-01	1.0E-08	2.6E-03	2.30E-05	I	9.80E-02	A	
				Total:	2.4E-07	2.60E-07	I	4.00E-02	I	

Notes:

(1)	<u>Inhalation Pathway Exposure Parameters (RME):</u>	Units	Residential		Commercial		Selected (based on scenario)	
			Symbol	Value	Symbol	Value	Symbol	Value
	Exposure Scenario							
	Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
	Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	26	ATnc_C_GW	25	Atnc_GW	26
	Exposure duration	(yrs)	ED_R_GW	26	ED_C_GW	25	ED_GW	26
	Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	350
	Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	4	ET_GW	24

(2)	<u>Generic Attenuation Factors:</u>	Residential		Commercial		Selected (based on scenario)	
		Symbol	Value	Symbol	Value	Symbol	Value
	Source Medium of Vapors						
	Groundwater	(-)		AFgw_R_GW	0.001	AFgw_C_GW	0.001
	Sub-Slab and Exterior Soil Gas	(-)		AFss_R_GW	0.03	AFss_C_GW	0.03

(3) Formulas
Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m³) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m³) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RIC x (1000 ug/mg) / (ED x EF x ET)

(4)	<u>Special Case Chemicals</u>	Residential		Commercial		Selected (based on scenario)	
		Symbol	Value	Symbol	Value	Symbol	Value
	Trichloroethylene	mIURTCE_R_GW	1.00E-06	IURTCE_C_GW	0.00E+00	mIURTCE_GW	1.00E-06
		IURTCE_R_GW	3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	3.10E-06

Mutagenic Chemicals The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.	Age Cohort	Exposure Duration	Age-dependent adjustment factor
	0 - 2 years	2	10
	2 - 6 years	4	3
	6 - 16 years	10	3
	16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 72 This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride

See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at:

<http://www.epa.gov/iris/subst/index.html>

P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at:

<http://hprrtv.ohri.ca/hprrtv.shtml>

A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at:

<http://www.atsdr.cdc.gov/mrls/index.html>

CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at:

<http://www.oehha.ca.gov/risk/ChemicalDB/index.asp>

H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at:

<http://epa-heast.ohri.ca/heast.shtml>

S = See RSL User Guide, Section 5

X = PPRTV Appendix

Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).

VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).

TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).

Yellow highlighting indicates site-specific parameters that may be edited by the user.

Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.

Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

APPENDIX D
SOIL BORING LOGS AND WELL CONSTRUCTION DIAGRAMS

Environmental Management Associates, LLC
5262 Belle Wood Court, Suite A
Buford, Georgia

Stratigraphic Log BH-1

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well:
								Elev.:
0				Concrete, gravel				
2	SC			SC - SAND/CLAY, sand,brown, fine grained, dry	1	MC	BH-1(2.5-10)	
4				Black sand, gravel, brick - FILL	2	MC		
6								
8								
10				some slag material, brown, black	3	MC	BH-1(10-15)	
12								
14	FB							
16								
18	CL/ML			CL/ML - CLAY/SILT, trace sand, medium dense, moist, brown/orange	4	MC		
20								
22				SAND, Well Graded, ML - SILT, tan-orange, fine grained, moist, striated saprolite	5	MC		
24	SC							
26								
28					6	MC	BH-1(25-30)	
30	SC			medium dense to dense, vestigial bedrock, pink granite, moist, saprolite				
32				End of boring				
34								

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Buford, Georgia

Stratigraphic Log BH-2

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well: Elev.:
0				Wood, void	1	MC	BH-2(2-5)	
2			FB	Rock fragments, silt, FILL	2	MC		
4				ML/CL - SILT/CLAY, dense, plastic, brown/orange, moist	3	MC	BH-2(10-15)	
6					4	MC	BH-2(15-20)	
8					5	MC		
10								
12								
14								
16								
18			ML					
20								
22								
24								
26								
28								
30		ML		blue/green SILT/CLAY	6	MC		
32				End of boring				
34								

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5262 Belle Wood Court, Suite A
Buford, Georgia

Stratigraphic Log BH-3

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well: Elev.:
0				Concrete, gravel	1	MC	BH-3(2-5)	
2				ML/CL - SILT/CLAY, trace sand, medium dense,fine grained, no structure, brown/orange, dry	2	MC		
4				ML	3	MC		
6					4	MC	BH-3(15-20)	
8					5	MC		
10					6	MC		
12					7	MC		
14					8	MC	BH-3(35-40)	
16								
18				FB Black sand, concrete, FILL				
20				ML ML/CL - SILT/CLAY trace sand, medium dense, brown/orange, dry				
22				black sand, trace concrete, brick, wet				
24								
26								
28								
30								
32								
34				ML/CL - SILT/CLAY, some sand, dense, plastic, poor structure, brown/yellow, moist				
36				ML				
38								
40				End of boring, Refusal at 39.0 feet bgs				
42								
44								

Environmental Management Associates, LLC
5262 Belle Wood Court, Suite A
Buford, Georgia

Stratigraphic Log BH-4

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well: Elev.:
0				Concrete, gravel	1	MC		
2				ML/CL - SILT/CLAY, trace sand, medium dense,fine grained, no structure, brown/orange, dry	2	MC		
4					3	MC		
6					4	MC	BH-4(15-20)	
8					5	MC		
10					6	MC	BH-4(25-30)	
12								
14				metal nail, concrete, FILL				
16								
18								
20								
22								
24								
26				ML/CL - SILT/CLAY trace sand, medium dense, brown/orange, dry, wet at 25 feet bgs				
28								
30				End of boring				
32								
34								
36								
38								
40								
42								
44								

Environmental Management Associates, LLC
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Buford, Georgia

Stratigraphic Log BH-5

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well: Elev.:
0				Concrete, gravel				
2					1	MC	BH-5(2-5)	
4	CL			CL - CLAY, some silt, dense, plastic, brown/orange, dry	2	MC		
6				black sand, concrete, some clay, FILL	3	MC		
10					4	MC	BH-5(15-20)	
12					5	MC		
14								
16	FB							
20								
22								
24								
26	CL			CL - CLAY trace sand, dense, plastic brown/gray, moist	6	MC	BH-5(25-30)	
28								
30				End of boring				
32								
34								
36								
38								
40								
42								
44								

Environmental Management Associates, LLC
5262 Belle Wood Court, Suite A
Buford, Georgia

Stratigraphic Log BH-6

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well:
								Elev.:
0				Concrete, gravel	1	MC	BH-6(2-5)	
2				Brick, concrete, granite fragments, black sand, little to no recovery	2	MC		
4					3	MC		
6					4	MC	BH-6(15-20)	
8					5	MC	BH-6(20-25)	
10								
12								
14								
16								
18								
20								
22								
24								
26				End of boring				
28								
30								
32								
34								
36								
38								
40								
42								
44								

Environmental Management Associates, LLC
5262 Belle Wood Court, Suite A
Buford, Georgia

Stratigraphic Log BH-7

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-Inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well: Elev.:
0				Concrete, gravel				
2								
4		ML		ML/CL - SILT/CLAY, dense, non-plastic, brown/orange, dry	1	MC		
6				Brick, glass, black sand, FILL	2	MC	BH-7(5-10)	
8					3	MC	BH-7(10-15)	
10		FB			4	MC	BH-7(15-20)	
12				slag, metal bolt	5	MC		
14					6	MC	BH-7(25-30)	
16		FB		wet, some orange clay, silt				
18								
20		FB						
22								
24								
26		ML		ML/CL - SILT/CLAY, trace sand, dense, plastic poor structure, gray/green, moist				
28				End of boring				
30								
32								
34								
36								
38								
40								
42								
44								

Environmental Management Associates, LLC
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Buford, Georgia

Stratigraphic Log BH-10

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 11/2/06
Date Completed : 11/2/06
Hole Diameter : 3-inches
Drilling Method : Stainless Steel Hand Auger
Sampling Method : Stainless Steel Hand Auger

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well: Elev.:
0				Asphalt, gravel				
2		FB						
4		FB		Sand, slag, FILL	1	MC	BH-10(3-5)	
6				End of boring				
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								
36								
38								
40								
42								
44								

Environmental Management Associates, LLC
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Buford, Georgia

Stratigraphic & Instrumentation Log MW-1 (BH-9)

(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller

Depth in Feet	Surf. Elev. 97.71	USCS	GRAPHIC	DESCRIPTION	Sample Number	Sample Method	Sample ID	Well: MW-1 Elev.: 100.00
0	97	GW		Gravel	1	MC	BH-9(2-5)	Cover
2	95	GW		gravel, sand, FILL	2	MC		Bentonite/Grout
4	93	FB		slag	3	MC		2.0-Inch PVC casing
6	91				4	MC	BH-9(15-20)	Bentonite Seal
8	89	ML		ML - SILT, soft, plastic, orange/brown, dry	5	MC		0.01-inch screen
10	87				6	MC		Sandpack
12	85	ML						
14	83							
16	81							
18	79	ML		sewage odor, silt, structure				
20	77							
22	75	CL		CL/SC - CLAY/SAND with clay, dense, fine-medium, structured, pink-white saprolite, moist				
24	73							
26	71							
28	69							
30	67			End of boring				
32	65							
34	63							
36	61							
38	59							
40	57							
42	55							
44								

Environmental Management Associates, LLC
5262 Belle Wood Court, Suite A
Buford, Georgia

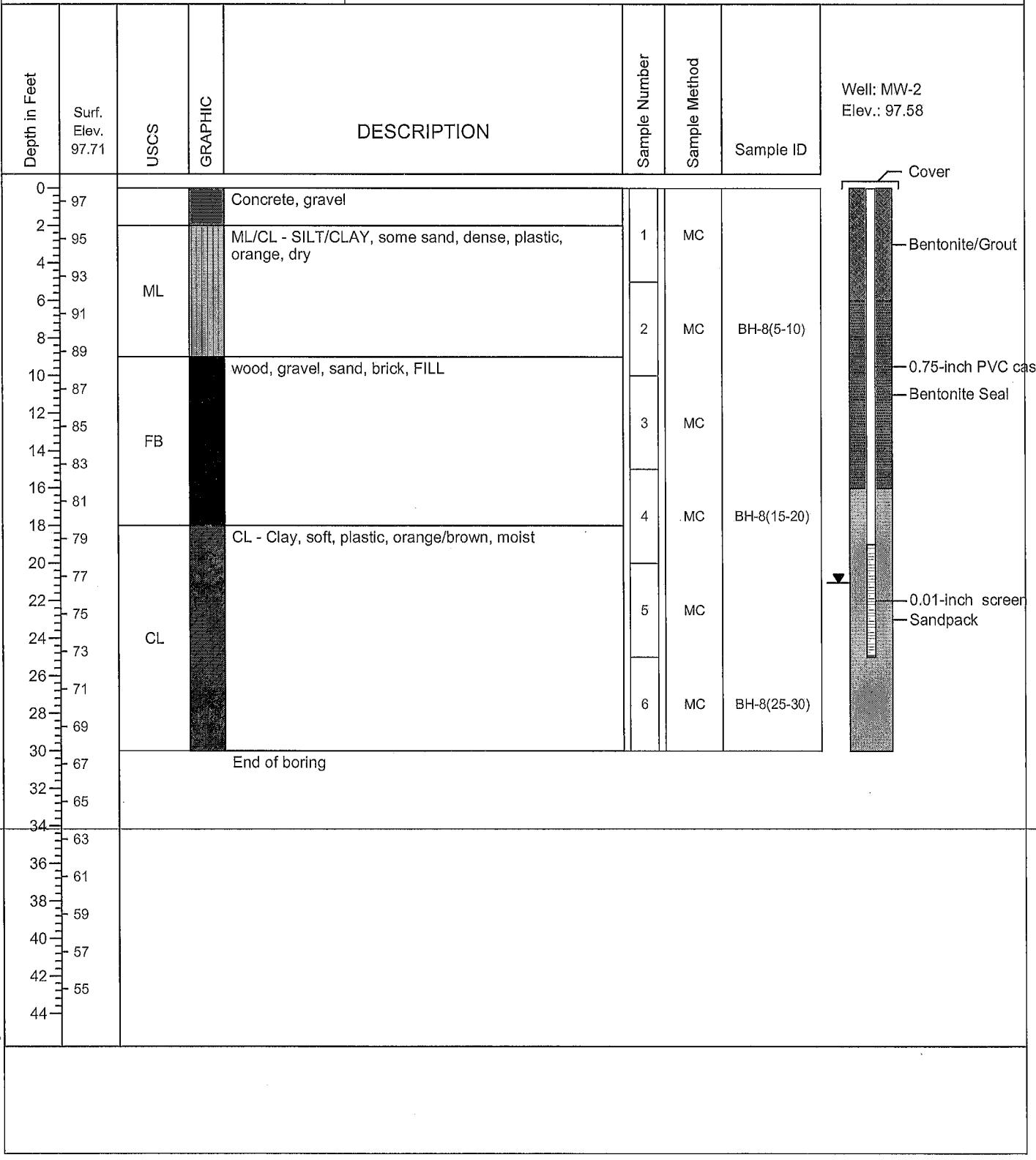
Stratigraphic & Instrumentation Log MW-2 (BH-8)

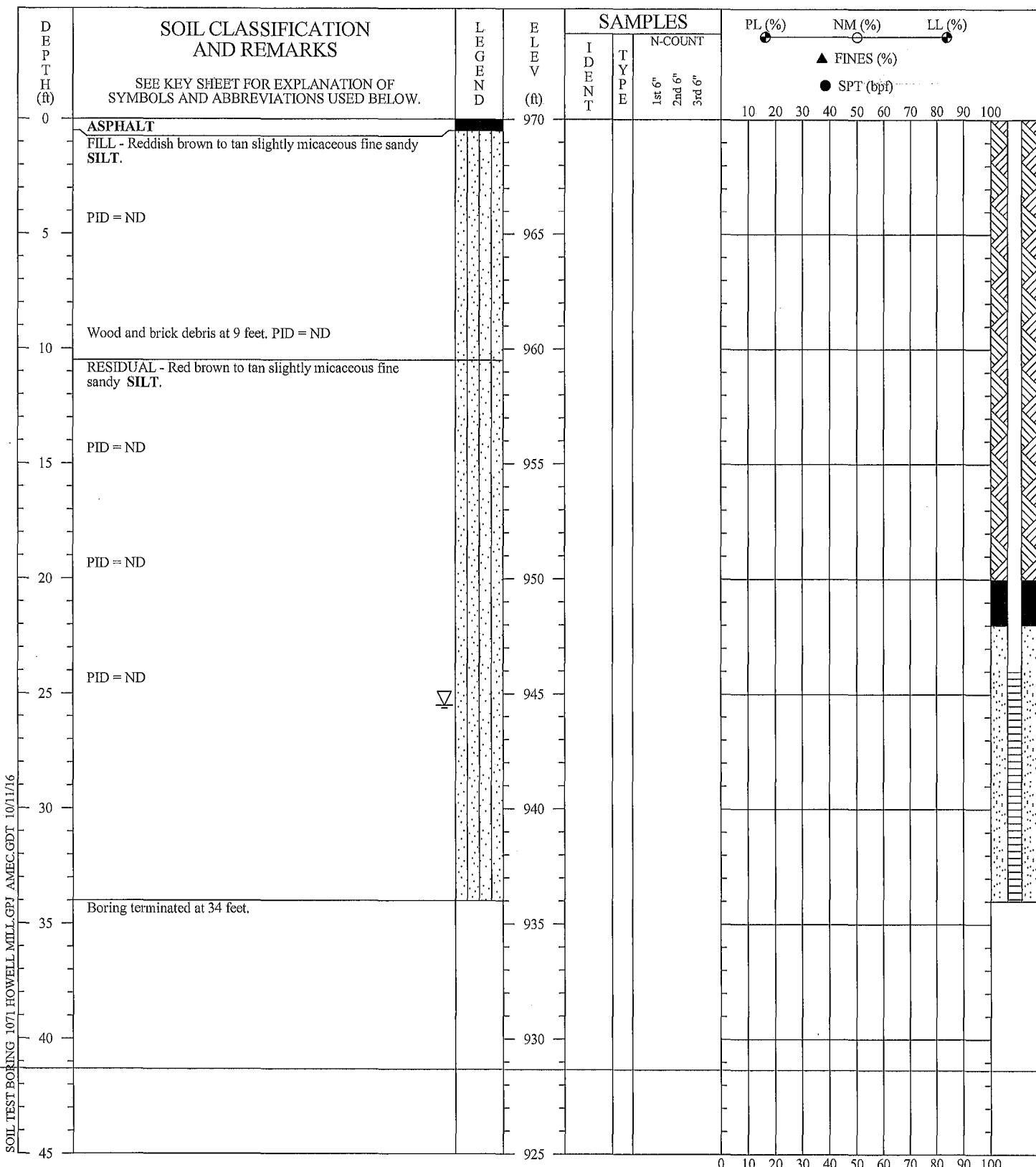
(Page 1 of 1)

Sunlow, Inc.
Atlanta, GA
Project # 191

Date Started : 7/2/03
Date Completed : 7/2/03
Hole Diameter : 2-inches
Drilling Method : Direct Push - Geoprobe
Sampling Method : Geoprobe - Macrocore

Company Rep. : John Schwaller
Northing Coord. :
Easting Coord. :
Survey By :
Logged By : John Schwaller



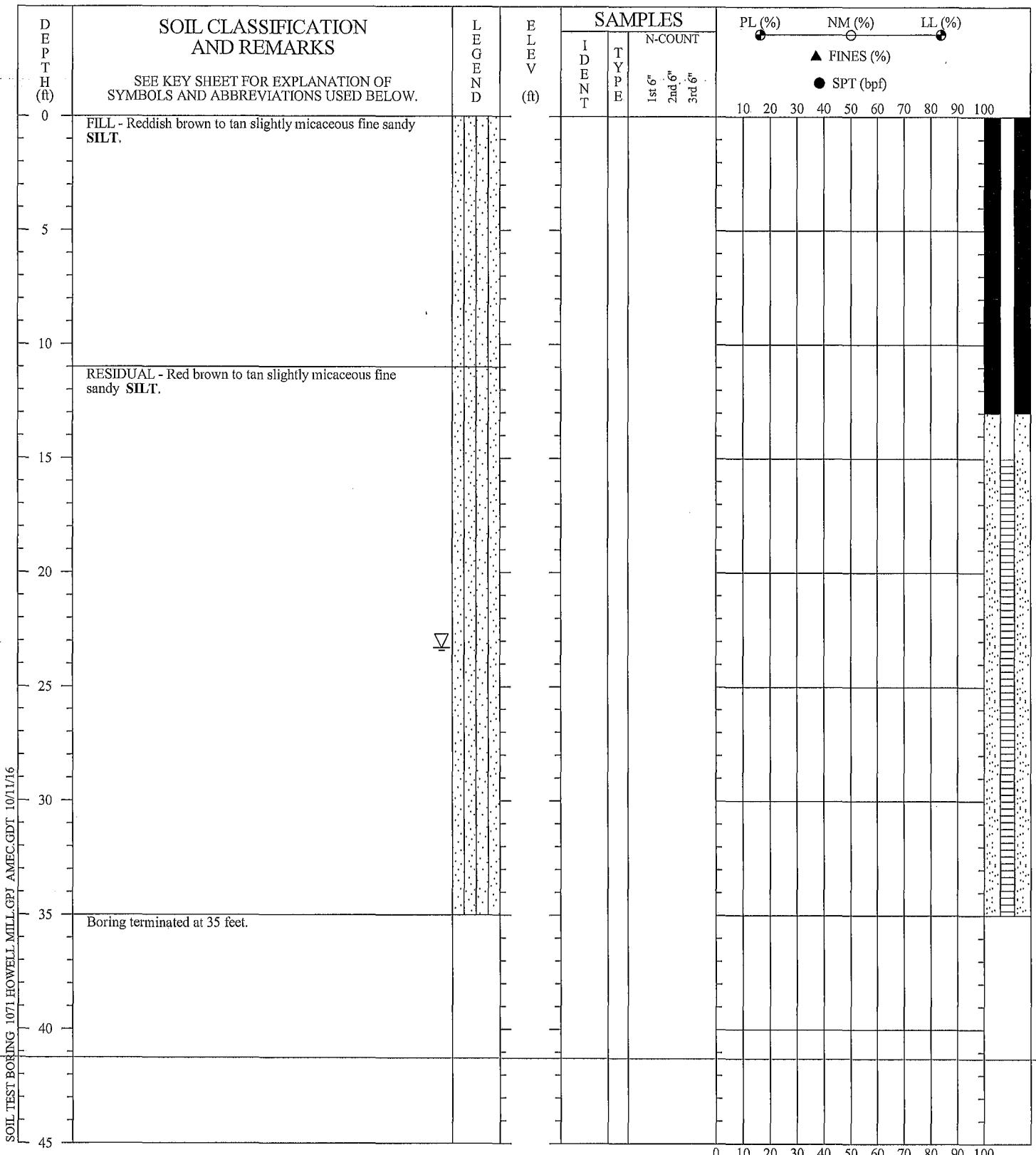


DRILLER: AMEC
 EQUIPMENT: CME 750
 METHOD: HSA
 HOLE DIA.: 6.75 inches
 REMARKS: Depth to groundwater measured on 8/28/12 at 25.5 feet.
 ND = non detect at 0.1 ppm.

SOIL TEST BORING RECORD	
BORING NO.: MW-1R	PROJECT: 1071 Howell Mill
LOCATION: Atlanta, Georgia	DRILLED: July 3, 2012
PROJECT NO.: 6121-12-0124	PAGE 1 OF 1

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

AMEC Foster Wheeler



DRILLER: Atlas Geosampling
 EQUIPMENT: Power Probe
 METHOD: Direct Push
 HOLE DIA.: 2.5 inches
 REMARKS: Depth to groundwater measured on 9/29/15 at 23.30 feet.

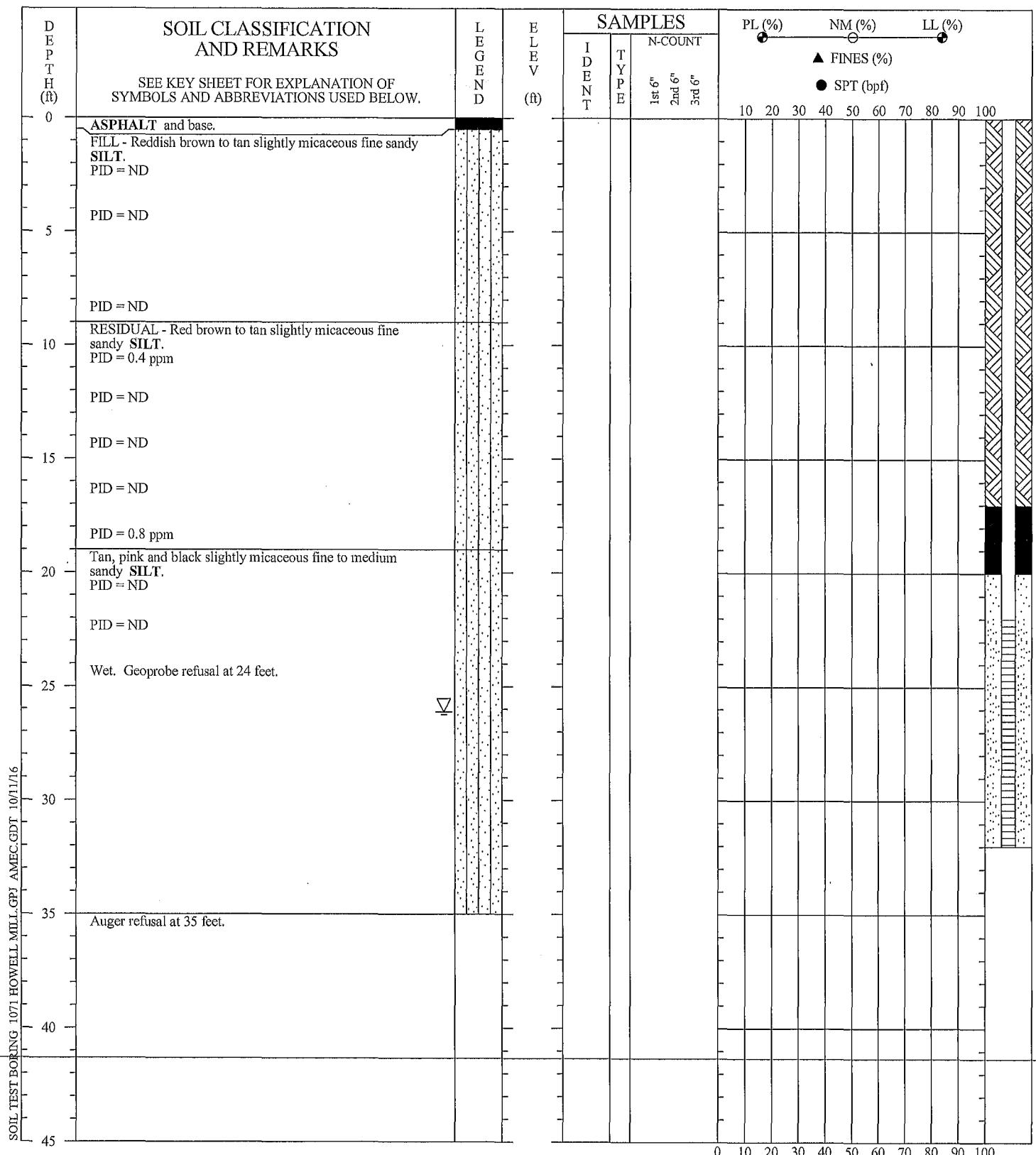
SOIL TEST BORING RECORD

BORING NO.: MW-1R2
PROJECT: 1071 Howell Mill
LOCATION: Atlanta, Georgia
DRILLED: September 29, 2015
PROJECT NO.: 6121-12-0124

PAGE 1 OF 1

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 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE,
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.



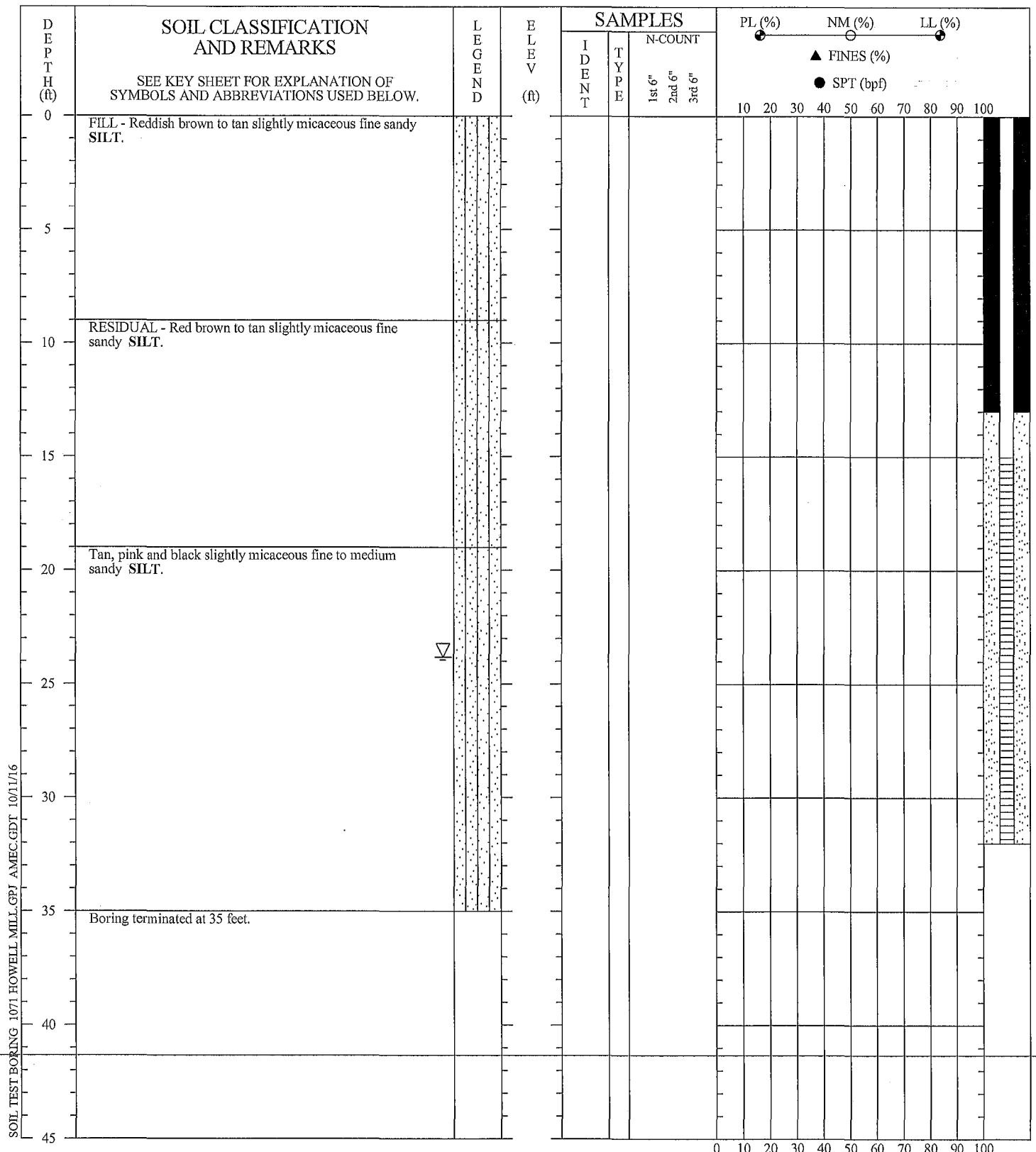


DRILLER: Atlas Geoprobe
 EQUIPMENT: Power Probe 9100
 METHOD: Direct Push/HSA
 HOLE DIA.: 2/4.25 inches
 REMARKS: Depth to groundwater measured on 8/25/12 at 26.13 feet.
 ND = non detect at 0.1 ppm.

SOIL TEST BORING RECORD	
BORING NO.:	MW-3
PROJECT:	1071 Howell Mill
LOCATION:	Atlanta, Georgia
DRILLED:	May 31, 2012
PROJECT NO.:	6121-12-0124
PAGE 1 OF 1	

amec foster wheeler

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 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.



DRILLER: Atlas Geosampling
 EQUIPMENT: Power Probe
 METHOD: Direct Push
 HOLE DIA.: 2.5 inches
 REMARKS: Depth to groundwater measured on 9/29/15 at 23.82 feet.

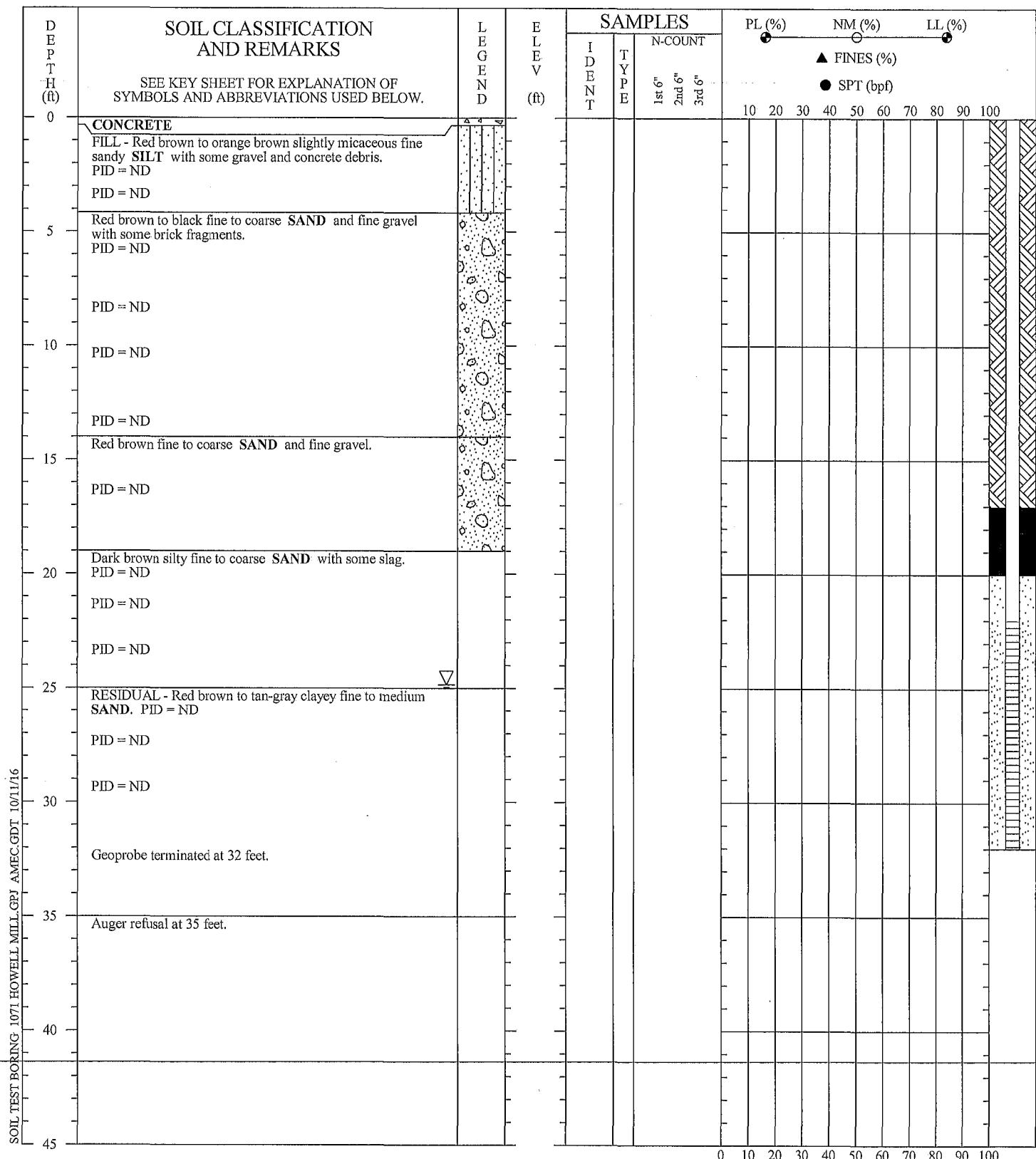
SOIL TEST BORING RECORD

BORING NO.: MW-3R
PROJECT: 1071 Howell Mill
LOCATION: Atlanta, Georgia
DRILLED: September 28, 2015
PROJECT NO.: 6121-12-0124

PAGE 1 OF 1

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



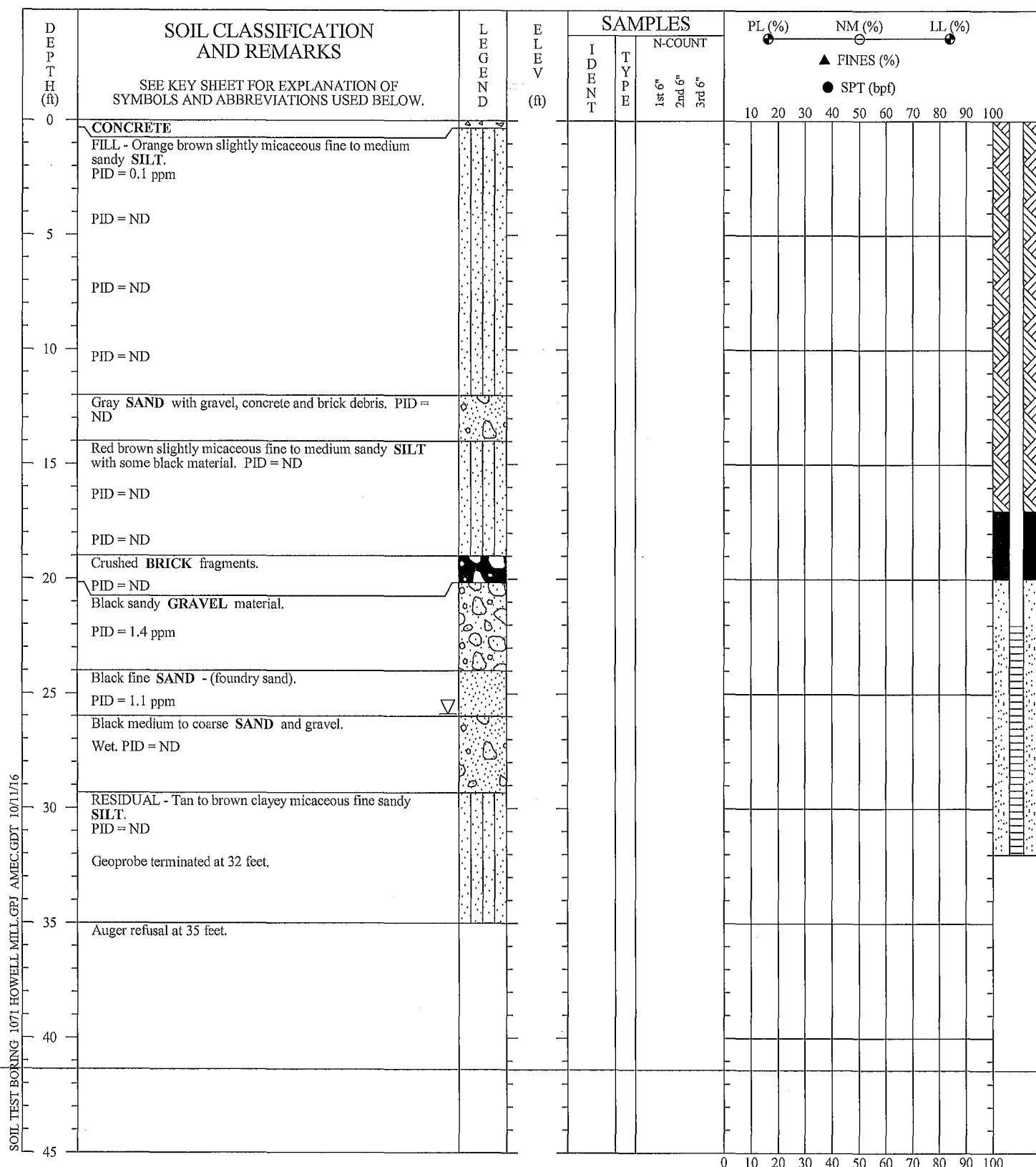


DRILLER: Atlas Geoprobe
 EQUIPMENT: Power Probe 9100
 METHOD: Direct Push/HSA
 HOLE DIA.: 2/4.25 inches
 REMARKS: Depth to groundwater measured on 8/28/12 at 24.84 feet.
 ND = non detect at 0.1 ppm.

SOIL TEST BORING RECORD	
BORING NO.:	MW-4
PROJECT:	1071 Howell Mill
LOCATION:	Atlanta, Georgia
DRILLED:	May 31, 2012
PROJECT NO.:	6121-12-0124
PAGE 1 OF 1	

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

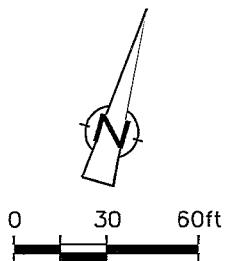




DRILLER: Atlas Geoprobe
EQUIPMENT: Power Probe 9100
METHOD: Direct Push/HSA
HOLE DIA.: 2/4.25 inches
REMARKS: Depth to groundwater measured on 8/28/12 at 25.87 feet.
ND = non detect at 0.1 ppm.

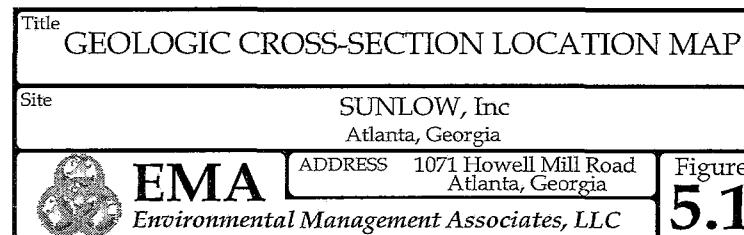
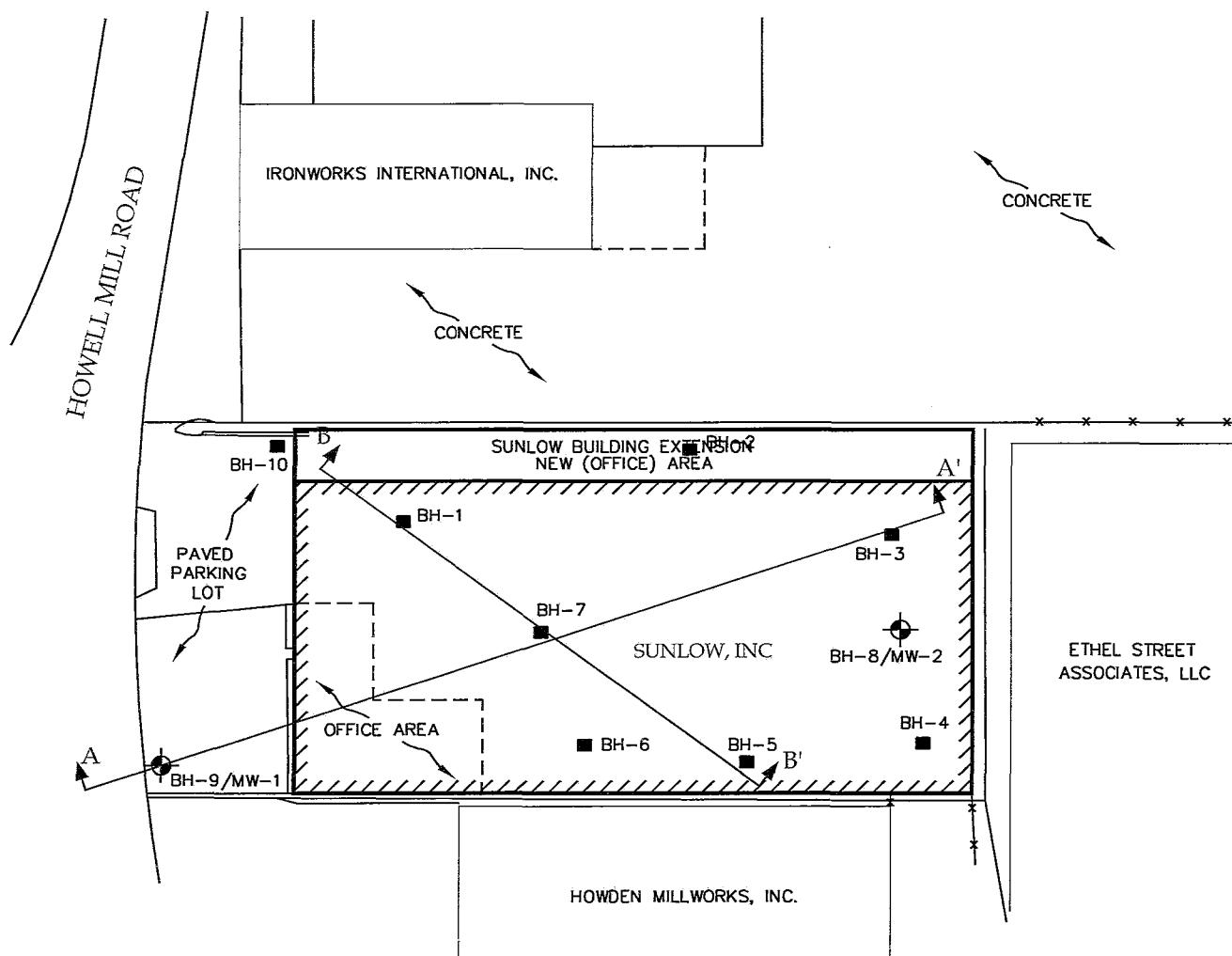
SOIL TEST BORING RECORD	
BORING NO.:	MW-5
PROJECT:	1071 Howell Mill
LOCATION:	Atlanta, Georgia
DRILLED:	May 31, 2012
PROJECT NO.:	6121-12-0124
PAGE 1 OF 1	

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



LEGEND

- MW-1  GROUNDWATER MONITORING WELL LOCATION
- BH-1  BOREHOLE LOCATION



APPENDIX E
LABORATORY REPORTS



AES July 09, 2003

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Brent Cortelloni
Environmental Management Associates, LLC
4488 Commerce Drive
Suite A
Buford, Georgia 30518

TEL: (770) 271-4628
FAX (770) 271-8944

RE: Sunlow

Order No.: 0307153

Dear Brent Cortelloni:

Analytical Environmental Servs, Inc. received 3 samples on 7/7/2003 1:25:00 PM for the analyses presented in the 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, effective 07/01/02-06/30/04.

-AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 03/01/03.

These results relate only to the items tested. This report may only be reproduced in full and contains 8 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell

Allison Cantrell
Project Manager

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client EMA | BC
 Work Order Number 0307153

Date and Time 7-7-03 1:25
 Received by Amel Hadzic

Checklist completed by Dyleen Abram Date 7-7-03 Reviewed by AOG Date 7-7-03

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Was TAT marked on the COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Proceed with Standard TAT as per project history?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Cooler #1 <u>4.7°C</u> Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____			
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
Adjusted? _____	Checked by <u>N.O.</u>		

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3785 Presidential Pkwy., Atlanta, GA 30340-0370
TEL: (770) 457-8177 / TOLL FREE: (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 0307153

Date: _____ Page: 1 of 1

COMPANY: <i>EPA/BC</i>		ADDRESS:		ANALYSIS REQUESTED																
PHONE:		FAX:																		
SAMPLED BY: <i>B. Holloman / J. Schell</i>		SIGNATURE:																		
#	SAMPLE ID	SAMPLLED		Grab	Composite	Matrix (See codes)	PRESERVATION												REMARKS	No # of Containers
		DATE	TIME																	
	MW-1	7-7-03	X	Gw	X															
	MW-2	↓	X	↓	X													<i>Archive after Filtration</i>	<i>Filter through 0.45μm & archive</i>	
	* MW-2 Dis	↓	X	↓																
RELINQUISHED BY		DATE/TIME RECEIVED BY		DATE/TIME		PROJECT INFORMATION												RECEIPT		
<i>████████ 7/7/03</i>		<i>Patricia Henrie 7/7/03</i>				<i>Sunflow</i>												Total # of Containers		
1:		2:		3:		PROJECT NAME: <i>Sunflow</i>												Turnaround Time Request		
2:		3:				PROJECT #: <i>191</i>												Standard 3-5 Business Days		
3:						FAC ID#:												Same Day Rush (auth req.)		
						SITE ADDRESS:												Next Business Day Rush		
SPECIAL INSTRUCTIONS/COMMENTS:						PROJECT MANAGER: <i>D. Contehard</i>												2 Business Day Rush		
						INVOICE TO: (IF DIFFERENT FROM ABOVE)												Other _____		
PO#:																		PROGRAM (see codes):		
QUOTE/CONTRACT #:																		DATA PACKAGE: I II III IV		

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

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

PROGRAM: FLUST FLDC ALUST TRUST MSUST NCUST SCUST GAUST GACONV FLCONV

White Copy - ORIGINAL; Yellow Copy - LAB; Pink Copy - CLIENT

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	MW-1
Lab Order:	0307153	Tag Number:	
Project:	Sunlow	Collection Date:	7/7/2003
Lab ID:	0307153-001A	Matrix:	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	0.0500		mg/L	1	Analyst: CDW 7/8/2003 5:18:00 PM
Barium	0.0530	0.0200		mg/L	1	7/8/2003 5:18:00 PM
Cadmium	BRL	0.0050		mg/L	1	7/8/2003 5:18:00 PM
Chromium	BRL	0.0100		mg/L	1	7/8/2003 5:18:00 PM
Lead	BRL	0.0100		mg/L	1	7/8/2003 5:18:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	MW-2
Lab Order:	0307153	Tag Number:	
Project:	Sunlow	Collection Date:	7/7/2003
Lab ID:	0307153-002A	Matrix:	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
			SW6010B			Analyst: CDW
Arsenic	BRL	0.0500		mg/L	1	7/8/2003 5:32:00 PM
Barium	0.132	0.0200		mg/L	1	7/8/2003 5:32:00 PM
Cadmium	BRL	0.0050		mg/L	1	7/8/2003 5:32:00 PM
Chromium	BRL	0.0100		mg/L	1	7/8/2003 5:32:00 PM
Lead	0.0178	0.0100		mg/L	1	7/8/2003 5:32:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	MW2-DIS			
Lab Order:	0307153	Tag Number:				
Project:	Sunlow	Collection Date:	7/7/2003			
Lab ID:	0307153-003A	Matrix:	GROUNDWATER			
Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, DISSOLVED			SW6010B			Analyst: CDW
Arsenic	BRL	0.0500		mg/L	1	7/8/2003 5:36:00 PM
Barium	0.114	0.0200		mg/L	1	7/8/2003 5:36:00 PM
Cadmium	BRL	0.0050		mg/L	1	7/8/2003 5:36:00 PM
Chromium	BRL	0.0100		mg/L	1	7/8/2003 5:36:00 PM
Lead	BRL	0.0100		mg/L	1	7/8/2003 5:36:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

CLIENT: Environmental Management Associates, LL
Work Order: 0307153
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID: 0307153-001ADUP	SampType: DUP	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 7/8/2003	RunNo: 40126
Client ID: MW-1	Batch ID: 35745	TestNo: SW6010B		Analysis Date: 7/8/2003	SeqNo: 724141
Analyte					
	Result	PQL	SPK value	SPK Ref Val	%REC
Arsenic	BRL	0.0500	0	0	0
Barium	0.05286	0.0200	0	0	0.05304
Cadmium	BRL	0.00500	0	0	0
Chromium	BRL	0.0100	0	0	0.00231
Lead	BRL	0.0100	0	0	0.00381

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
N Analyte not NELAC certified

Analytical Environmental Servs, Inc.

Date: 09-Jul-03

CLIENT: Environmental Management Associates, LL
Work Order: 0307153
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID	MB-35745	SampType:	MBLK	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	7/8/2003	RunNo:	40126	
Client ID:		Batch ID:	35745	TestNo:	SW6010B			Analysis Date:	7/8/2003	SeqNo:	724139	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.0500									
Barium		BRL	0.0200									
Cadmium		BRL	0.00500									
Chromium		BRL	0.0100									
Lead		BRL	0.0100									
Sample ID	LCS-35745	SampType:	LCS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	7/8/2003	RunNo:	40126	
Client ID:		Batch ID:	35745	TestNo:	SW6010B			Analysis Date:	7/8/2003	SeqNo:	724138	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		0.9653	0.0500	1	0	96.5	85	115	0	0		
Barium		0.9822	0.0200	1	0	98.2	85	115	0	0		
Cadmium		1.003	0.00500	1	0	100	85	115	0	0		
Chromium		1.003	0.0100	1	0	100	85	115	0	0		
Lead		0.9686	0.0100	1	0	96.6	85	115	0	0		
Sample ID	0307153-001AMS	SampType:	MS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	7/8/2003	RunNo:	40126	
Client ID:	MW-1	Batch ID:	35745	TestNo:	SW6010B			Analysis Date:	7/8/2003	SeqNo:	724142	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		0.9476	0.0500	1	0	94.8	75	125	0	0		
Barium		0.9906	0.0200	1	0.05304	93.8	75	125	0	0		
Cadmium		1.015	0.00500	1	0	101	75	125	0	0		
Chromium		0.9859	0.0100	1	0.00231	98.4	75	125	0	0		
Lead		0.9691	0.0100	1	0.00381	96.5	75	125	0	0		

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		



AES
July 15, 2003

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Brent Cortelloni
Environmental Management Associates, LLC
4488 Commerce Drive
Suite A
Buford, Georgia 30518
TEL: (770) 271-4628
FAX (770) 271-8944

RE: Sunlow

Order No.: 0307107

Dear Brent Cortelloni:

Analytical Environmental Servs, Inc. received 21 samples on 7/2/2003 5:50:00 PM for the analyses presented in the 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, effective 07/02/02-06/30/04.
- AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 10/01/03.

These results relate only to the items tested. This report may only be reproduced in full and contains 30 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell
Project Manager

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client ET29/BC

Date and Time 7/3/03 5:50

Work Order Number 0307107

Received by Kyra

Checklist completed by Paul Hoenig

Signature

Date

7/3/03

Reviewed by AOG

Initials 7/3/03

Date

Carrier name: FedEx UPS Courier Client US Mail Other _____

- | | | | | |
|---|--|--|--|-----------------|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Was TAT marked on the COC? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | | |
| Proceed with Standard TAT as per project history? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Cooler #1 <u>3.9</u> ^{ON 14} Cooler #2 _____ | Cooler #3 _____ | Cooler #4 _____ | Cooler #5 _____ | Cooler #6 _____ |
| Water - VOA vials have zero headspace? | No VOA vials submitted <input checked="" type="checkbox"/> | | | |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> | |
| Adjusted? _____ | Checked by _____ | | | |

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3785 Presidential Pkwy., Atlanta, GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 0307107

Date: 2 of 2

Page 2 of 2

COMPANY: <i>EMA/DC</i>	ADDRESS:	ANALYSIS REQUESTED													
PHONE:	FAX:														
SAMPLED BY: <i>J SCHWELLER</i>	SIGNATURE:														
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION						REMARKS	No # of Containers	
		DATE	TIME												
BH-7 (10-15)	7/2/03	X	S							DATA BY THURS 7/10/03		1			
BH-7 (15-20)										METALS		1			
BH-7 (25-30)										ARSENIC		1			
BH-8 (15-20)										BARIUM		1			
BH-8 (25-30)										CADMIUM		1			
BH-9 (0-5)										CHROMIUM		1			
BH-7 (15-20)										LEAD		1			
BH-8 (5-10)															
RElinquished BY		DATE/TIME RECEIVED BY	DATE/TIME	PROJECT INFORMATION						RECEIPT					
1:	<i>7/2/03</i>	<i>1750 hrs</i>	<i>5:50</i>	PROJECT NAME: <i>SUNLOW</i>						Total # of Containers	<i>7</i>				
2:				PROJECT #: <i></i>						Estimated Time Request	<i>20</i>				
3:				FAC ID#:						Standard 3-5 Business Days					
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						SITE ADDRESS:						Same Day Rush (auth req.)	
		OUT <i>CLIENT</i>	VIA: FedEx	IN <i>FedEx</i>	VIA: UPS	MAIL COURIER	PROJECT MANAGER: <i>R. GATZLAWN</i>						Next Business Day Rush		
		GREYHOUND	OTHER	INVOICE TO: (IF DIFFERENT FROM ABOVE)						2 Business Day Rush					
PO#:														Other	
QUOTE CONTRACT #:														PROGRAM (see codes):	
														DATA PACKAGE: I II III IV	<i>IV</i>

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

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

PROGRAM: FLUST FLDC ALUST FNUST MSUST NCUST SCUST GAUST GACONY FLCONV

White Copy - ORIGINAL: Yellow Copy - LAB: Pink Copy - CLIENT

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-1(10-15)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-001A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	4.98		mg/Kg	1	7/7/2003 6:19:00 PM
Barium	137	4.98		mg/Kg	1	7/7/2003 6:19:00 PM
Cadmium	BRL	2.49		mg/Kg	1	7/7/2003 6:19:00 PM
Chromium		11.5	2.49	mg/Kg	1	7/7/2003 6:19:00 PM
Lead		479	4.98	mg/Kg	1	7/7/2003 6:19:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-1(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-002A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	4.03		mg/Kg	1	7/7/2003 6:33:00 PM
Barium	70.5	4.03		mg/Kg	1	7/7/2003 6:33:00 PM
Cadmium	BRL	2.01		mg/Kg	1	7/7/2003 6:33:00 PM
Chromium	8.75	2.01		mg/Kg	1	7/7/2003 6:33:00 PM
Lead	8.23	4.03		mg/Kg	1	7/7/2003 6:33:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-2(0-5)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-003A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	13.1	4.81		mg/Kg	1	7/7/2003 6:37:00 PM
Barium	155	4.81		mg/Kg	1	7/7/2003 6:37:00 PM
Cadmium	BRL	2.41		mg/Kg	1	7/7/2003 6:37:00 PM
Chromium	18.5	2.41		mg/Kg	1	7/7/2003 6:37:00 PM
Lead	136	4.81		mg/Kg	1	7/7/2003 6:37:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-2(10-15)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-004A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	11.8	3.66		mg/Kg	1	7/7/2003 6:42:00 PM
Barium	109	3.66		mg/Kg	1	7/7/2003 6:42:00 PM
Cadmium	BRL	1.83		mg/Kg	1	7/7/2003 6:42:00 PM
Chromium	37.4	1.83		mg/Kg	1	7/7/2003 6:42:00 PM
Lead	195	3.66		mg/Kg	1	7/7/2003 6:42:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-2(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-005A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.36		mg/Kg	1	7/7/2003 6:46:00 PM
Barium	53.6	4.36		mg/Kg	1	7/7/2003 6:46:00 PM
Cadmium	BRL	2.18		mg/Kg	1	7/7/2003 6:46:00 PM
Chromium	4.27	2.18		mg/Kg	1	7/7/2003 6:46:00 PM
Lead	20.2	4.36		mg/Kg	1	7/7/2003 6:46:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-3(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-006A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.30		mg/Kg	1	7/7/2003 6:51:00 PM
Barium	60.4	4.30		mg/Kg	1	7/7/2003 6:51:00 PM
Cadmium	BRL	2.15		mg/Kg	1	7/7/2003 6:51:00 PM
Chromium	8.26	2.15		mg/Kg	1	7/7/2003 6:51:00 PM
Lead	26.2	4.30		mg/Kg	1	7/7/2003 6:51:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-3(35-40)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-007A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	4.15		mg/Kg	1	7/7/2003 7:06:00 PM
Barium	90.4	4.15		mg/Kg	1	7/7/2003 7:06:00 PM
Cadmium	BRL	2.08		mg/Kg	1	7/7/2003 7:06:00 PM
Chromium	9.45	2.08		mg/Kg	1	7/7/2003 7:06:00 PM
Lead	5.64	4.15		mg/Kg	1	7/7/2003 7:06:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-4(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-008A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	3.66		mg/Kg	1	7/7/2003 7:11:00 PM
Barium	86.2	3.66		mg/Kg	1	7/7/2003 7:11:00 PM
Cadmium	BRL	1.83		mg/Kg	1	7/7/2003 7:11:00 PM
Chromium		11.6	1.83	mg/Kg	1	7/7/2003 7:11:00 PM
Lead		32.9	3.66	mg/Kg	1	7/7/2003 7:11:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-4(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-009A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	3.86		mg/Kg	1	7/7/2003 7:15:00 PM
Barium	89.7	3.86		mg/Kg	1	7/7/2003 7:15:00 PM
Cadmium	BRL	1.93		mg/Kg	1	7/7/2003 7:15:00 PM
Chromium	8.51	1.93		mg/Kg	1	7/7/2003 7:15:00 PM
Lead	6.25	3.86		mg/Kg	1	7/7/2003 7:15:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-5(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-010A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	14.0	4.23		mg/Kg	1	7/7/2003 7:20:00 PM
Barium	229	4.23		mg/Kg	1	7/7/2003 7:20:00 PM
Cadmium	BRL	2.11		mg/Kg	1	7/7/2003 7:20:00 PM
Chromium	19.9	2.11		mg/Kg	1	7/7/2003 7:20:00 PM
Lead	1960	4.23		mg/Kg	1	7/7/2003 7:20:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-5(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-011A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
			SW6010B			Analyst: CDW
Arsenic	BRL	4.34		mg/Kg	1	7/7/2003 7:24:00 PM
Barium	47.6	4.34		mg/Kg	1	7/7/2003 7:24:00 PM
Cadmium	BRL	2.17		mg/Kg	1	7/7/2003 7:24:00 PM
Chromium	8.99	2.17		mg/Kg	1	7/7/2003 7:24:00 PM
Lead	13.2	4.34		mg/Kg	1	7/7/2003 7:24:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Page 11 of 21

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-6(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-012A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
			SW6010B			Analyst: CDW
Arsenic	19.3	4.51		mg/Kg	1	7/7/2003 7:29:00 PM
Barium	817	4.51		mg/Kg	1	7/7/2003 7:29:00 PM
Cadmium	4.14	2.25		mg/Kg	1	7/7/2003 7:29:00 PM
Chromium	23.6	2.25		mg/Kg	1	7/7/2003 7:29:00 PM
Lead	884	4.51		mg/Kg	1	7/7/2003 7:29:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analytic certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-6(20-25)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-013A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
			SW6010B			Analyst: CDW
Arsenic	BRL	3.94		mg/Kg	1	7/7/2003 7:33:00 PM
Barium	76.3	3.94		mg/Kg	1	7/7/2003 7:33:00 PM
Cadmium	BRL	1.97		mg/Kg	1	7/7/2003 7:33:00 PM
Chromium	7.61	1.97		mg/Kg	1	7/7/2003 7:33:00 PM
Lead	11.8	3.94		mg/Kg	1	7/7/2003 7:33:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-7(10-15)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-014A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	46.4	4.80		mg/Kg	1	7/7/2003 7:38:00 PM
Barium	509	4.80		mg/Kg	1	7/7/2003 7:38:00 PM
Cadmium	4.70	2.40		mg/Kg	1	7/7/2003 7:38:00 PM
Chromium	29.6	2.40		mg/Kg	1	7/7/2003 7:38:00 PM
Lead	1160	4.80		mg/Kg	1	7/7/2003 7:38:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit		E	Value above quantitation range
H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
N	Analyte not NELAC certified		P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT: Environmental Management Associates, LL **Client Sample ID:** BH-7(15-20)
Lab Order: 0307107 **Tag Number:**
Project: Sunlow **Collection Date:** 7/2/2003
Lab ID: 0307107-015A **Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TCLP						
Arsenic	BRL	0.0500		mg/L	1	7/15/2003 12:31:00 PM
METALS, TOTAL						
Arsenic	47.0	4.59		mg/Kg	1	7/7/2003 7:42:00 PM
Barium	509	4.59		mg/Kg	1	7/7/2003 7:42:00 PM
Cadmium	BRL	2.30		mg/Kg	1	7/7/2003 7:42:00 PM
Chromium	25.0	2.30		mg/Kg	1	7/7/2003 7:42:00 PM
Lead	1090	4.59		mg/Kg	1	7/7/2003 7:42:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-7(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-016A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.85		mg/Kg	1	7/7/2003 7:47:00 PM
Barium	84.0	4.85		mg/Kg	1	7/7/2003 7:47:00 PM
Cadmium	BRL	2.43		mg/Kg	1	7/7/2003 7:47:00 PM
Chromium	10.3	2.43		mg/Kg	1	7/7/2003 7:47:00 PM
Lead	19.2	4.85		mg/Kg	1	7/7/2003 7:47:00 PM
						Analyst: CDW

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-8(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-017A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.51		mg/Kg	1	7/7/2003 8:02:00 PM
Barium	311	4.51		mg/Kg	1	7/7/2003 8:02:00 PM
Cadmium	BRL	2.26		mg/Kg	1	7/7/2003 8:02:00 PM
Chromium	14.5	2.26		mg/Kg	1	7/7/2003 8:02:00 PM
Lead	314	4.51		mg/Kg	1	7/7/2003 8:02:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-8(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-018A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
			SW6010B			Analyst: CDW
Arsenic	BRL	3.84		mg/Kg	1	7/7/2003 8:07:00 PM
Barium	52.1	3.84		mg/Kg	1	7/7/2003 8:07:00 PM
Cadmium	BRL	1.92		mg/Kg	1	7/7/2003 8:07:00 PM
Chromium	22.6	1.92		mg/Kg	1	7/7/2003 8:07:00 PM
Lead	15.7	3.84		mg/Kg	1	7/7/2003 8:07:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit		E	Value above quantitation range
H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
N	Analyte not NELAC certified		P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-9(0-5)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-019A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	4.67		mg/Kg	1	7/7/2003 8:11:00 PM
Barium	161	4.67		mg/Kg	1	7/7/2003 8:11:00 PM
Cadmium	BRL	2.34		mg/Kg	1	7/7/2003 8:11:00 PM
Chromium	15.6	2.34		mg/Kg	1	7/7/2003 8:11:00 PM
Lead	192	4.67		mg/Kg	1	7/7/2003 8:11:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-9(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-020A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	3.92		mg/Kg	1	7/7/2003 8:16:00 PM
Barium	57.0	3.92		mg/Kg	1	7/7/2003 8:16:00 PM
Cadmium	BRL	1.96		mg/Kg	1	7/7/2003 8:16:00 PM
Chromium	27.4	1.96		mg/Kg	1	7/7/2003 8:16:00 PM
Lead	9.86	3.92		mg/Kg	1	7/7/2003 8:16:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 18-Jul-03

CLIENT: Environmental Management Associates, LL
Lab Order: 0307107
Project: Sunlow
Lab ID: 0307107-021A

Client Sample ID: BH-8(5-10)
Tag Number:
Collection Date: 7/2/2003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	3.11		mg/Kg	1	7/7/2003 3:20:00 PM
Barium	118	3.11		mg/Kg	1	7/7/2003 3:20:00 PM
Cadmium	BRL	1.56		mg/Kg	1	7/7/2003 3:20:00 PM
Chromium	30.8	1.56		mg/Kg	1	7/7/2003 3:20:00 PM
Lead	9.37	3.11		mg/Kg	1	7/7/2003 3:20:00 PM

Qualifiers	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT: Environmental Management Associates, LL
 Work Order: 0307107
 Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID	MB-35942	SampType	MBLK	TestCode	1311_M	Units	mg/L	Prep Date	7/14/2003	RunNo:	40371	
Client ID:		Batch ID:	35942	TestNo:	SW1311/6010			Analysis Date:	7/15/2003	SeqNo:	729425	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.250									*
Sample ID	LCS-35942	SampType	LCS	TestCode	1311_M	Units	mg/L	Prep Date	7/14/2003	RunNo:	40371	
Client ID:	<th>Batch ID:</th> <td>35942</td> <th>TestNo:</th> <td>SW1311/6010</td> <th></th> <th></th> <th>Analysis Date:</th> <td>7/15/2003</td> <th>SeqNo:</th> <td>729424</td>	Batch ID:	35942	TestNo:	SW1311/6010			Analysis Date:	7/15/2003	SeqNo:	729424	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		5.205	0.250	5	0	104	85	115	0	0		*
Sample ID	0307107-015AMS	SampType	MS	TestCode	1311_M	Units	mg/L	Prep Date	7/14/2003	RunNo:	40371	
Client ID:	BH-7(15-20) <th>Batch ID:</th> <td>35942</td> <th>TestNo:</th> <td>SW1311/6010</td> <th></th> <th></th> <th>Analysis Date:</th> <td>7/15/2003</td> <th>SeqNo:</th> <td>729430</td>	Batch ID:	35942	TestNo:	SW1311/6010			Analysis Date:	7/15/2003	SeqNo:	729430	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		5.303	0.250	5	0	106	50	150	0	0		*
Sample ID	0307107-015ADUP	SampType	DUP	TestCode	1311_M	Units	mg/L	Prep Date	7/14/2003	RunNo:	40371	
Client ID:	BH-7(15-20) <th>Batch ID:</th> <td>35942</td> <th>TestNo:</th> <td>SW1311/6010</td> <th></th> <th></th> <th>Analysis Date:</th> <td>7/15/2003</td> <th>SeqNo:</th> <td>729429</td>	Batch ID:	35942	TestNo:	SW1311/6010			Analysis Date:	7/15/2003	SeqNo:	729429	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.250	0	0	0	0	0	0	0	30	

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range
 N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
 Work Order: 0307107
 Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID	MB-35648	Samp	Type: MBLK	TestCode: 6010B_S	Units: mg/Kg	Prep Date:	7/3/2003	RunNo:	40096			
Client ID:		Batch ID:	35648	TestNo: SW6010B		Analysis Date:	7/7/2003	SeqNo:	722661			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	5.00									
Barium		BRL	5.00									
Cadmium		BRL	2.50									
Chromium		BRL	2.50									
Lead		BRL	5.00									
Sample ID	MB-35672	Samp	Type: MBLK	TestCode: 6010B_S	Units: mg/Kg	Prep Date:	7/3/2003	RunNo:	40096			
Client ID:		Batch ID:	35672	TestNo: SW6010B		Analysis Date:	7/7/2003	SeqNo:	722885			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	5.00									
Barium		BRL	5.00									
Cadmium		BRL	2.50									
Chromium		BRL	2.50									
Lead		BRL	5.00									
Sample ID	LCS-35648	Samp	Type: LCS	TestCode: 6010B_S	Units: mg/Kg	Prep Date:	7/3/2003	RunNo:	40096			
Client ID:	<th>Batch ID:</th> <td>35648</td> <th>TestNo: SW6010B</th> <td></td> <th>Analysis Date:</th> <td>7/7/2003</td> <th>SeqNo:</th> <td>722660</td>	Batch ID:	35648	TestNo: SW6010B		Analysis Date:	7/7/2003	SeqNo:	722660			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		47.02	5.00	50	0.3175	93.4	80	120	0	0		
Barium		48.63	5.00	50	0	97.3	80	120	0	0		
Cadmium		49.18	2.50	50	0.0255	98.3	80	120	0	0		
Chromium		49.24	2.50	50	0.113	98.2	80	120	0	0		
Lead		47.5	5.00	50	0.3465	94.3	80	120	0	0		
Sample ID	LCS-35672	Samp	Type: LCS	TestCode: 6010B_S	Units: mg/Kg	Prep Date:	7/3/2003	RunNo:	40096			
Client ID:	<th>Batch ID:</th> <td>35672</td> <th>TestNo: SW6010B</th> <td></td> <th>Analysis Date:</th> <td>7/7/2003</td> <th>SeqNo:</th> <td>722883</td>	Batch ID:	35672	TestNo: SW6010B		Analysis Date:	7/7/2003	SeqNo:	722883			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Environmental Management Associates, LL
Work Order: 0307107
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: LCS-35672	SampType: LCS	TestCode: 6010B_S		Units: mg/Kg		Prep Date: 7/3/2003			RunNo: 40096			
Client ID:	Batch ID: 35672	TestNo: SW6010B		Analysis Date: 7/7/2003			SeqNo: 722683					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		48.3	5.00	50	0	96.6	80	120	0	0		
Barium		50	5.00	50	0	100	80	120	0	0		
Cadmium		50.75	2.50	50	0.013	101	80	120	0	0		
Chromium		51.13	2.50	50	0	102	80	120	0	0		
Lead		49.45	5.00	50	0.3205	98.3	80	120	0	0		
Sample ID: 0307078-009AMS	SampType: MS	TestCode: 6010B_S		Units: mg/Kg		Prep Date: 7/3/2003			RunNo: 40096			
Client ID:	Batch ID: 35648	TestNo: SW6010B		Analysis Date: 7/7/2003			SeqNo: 722664					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		38.97	4.16	41.63	3.023	86.3	75	125	0	0		
Barium		52.9	4.16	41.63	16.75	86.8	75	125	0	0		
Cadmium		38.73	2.08	41.63	0.2321	92.5	75	125	0	0		
Chromium		50.83	2.08	41.63	13.1	90.6	75	125	0	0		
Lead		60.42	4.16	41.63	25.79	83.2	75	125	0	0		
Sample ID: 0307107-001AMS	SampType: MS	TestCode: 6010B_S		Units: mg/Kg		Prep Date: 7/3/2003			RunNo: 40096			
Client ID: BH-1(10-15)	Batch ID: 35672	TestNo: SW6010B		Analysis Date: 7/7/2003			SeqNo: 722888					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		47.11	4.98	49.83	3.305	87.9	75	125	0	0		
Barium		194.9	4.98	49.83	137.1	116	75	125	0	0		
Cadmium		46.26	2.49	49.83	0.3262	92.2	75	125	0	0		
Chromium		56.67	2.49	49.83	11.46	90.7	75	125	0	0		
Lead		464.8	4.98	49.83	478.6	-27.7	75	125	0	0		S
Sample ID: 0307078-009ADUP	SampType: DUP	TestCode: 6010B_S		Units: mg/Kg		Prep Date: 7/3/2003			RunNo: 40096			
Client ID:	Batch ID: 35648	TestNo: SW6010B		Analysis Date: 7/7/2003			SeqNo: 722663					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits E Value above quantitation range
 N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
Work Order: 0307107
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: 0307078-009ADUP	SampType: DUP	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 7/3/2003	RunNo: 40096						
Client ID:	Batch ID: 35648	TestNo: SW6010B		Analysis Date: 7/7/2003	SeqNo: 722663						
<hr/>											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	BRL	4.15	0	0	0	0	0	3.023	0	20	
Barium	17.47	4.15	0	0	0	0	0	16.75	4.22	20	
Cadmium	BRL	2.07	0	0	0	0	0	0.2321	0	20	
Chromium	12.67	2.07	0	0	0	0	0	13.1	3.32	20	
Lead	24.99	4.15	0	0	0	0	0	25.79	3.17	20	
<hr/>						<hr/>					
Sample ID: 0307107-001ADUP	SampType: DUP	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 7/3/2003	RunNo: 40096						
Client ID: BH-1(10-15)	Batch ID: 35672	TestNo: SW6010B		Analysis Date: 7/7/2003	SeqNo: 722887						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	4.93	0	0	0	0	0	3.305	0	20	
Barium	144.8	4.93	0	0	0	0	0	137.1	5.36	20	
Cadmium	BRL	2.46	0	0	0	0	0	0.3262	0	20	
Chromium	8.957	2.46	0	0	0	0	0	11.46	24.5	20 R	
Lead	3661	4.93	0	0	0	0	0	478.6	154	20 R	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Environmental Management Associates, LL
Project: Sunlow
Lab Order: 0307107

CASE NARRATIVE

Metals Analysis by Method 6010B:

Matrix spike recovery for Pb on sample 0307107-001 was outside control limits due to insignificant spike amount as compared to sample concentration. LCS recovery was within control limits.

RPD values for chromium and lead on sample 0307107-001AMSD were outside advisory control limits due to suspected non-homogeneous sample matrix. All percent recoveries were within control limits except as described above.

RPD value for Pb on sample 0307107-015A was outside advisory control limits. The greater than expected variability was the result of values at or near the reporting limit.

Client requested TCLP Arsenic 7/10/03 on sample 0307107-015 "BH-7(15-20)" as standard turnaround time.



AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 20, 2006

Brent Cortelloni
Environmental Management Associates, LLC

5262 Belle Wood Court, Suite A
Buford, Georgia 30518

TEL: (770) 271-4628
FAX: (770) 271-8944

RE: Sunlow

Order No.: 0611182

Dear Brent Cortelloni:

Analytical Environmental Services, Inc. received 8 samples on 11/2/2006 2:44:00 PM for the analyses presented in the 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. Sample results are not dry weight corrected, unless if Pmoist analysis are requested on the chain of custody or other project specific arrangements have been made. AES' certifications are as follows:

-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/06-06/30/07.

-AIHA Certification number 505 for analysis of Industrial Hygiene samples (Organics, Inorganics), Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 17 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

James Forrest
Project Manager

Revision: Analyses added at client's request.



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 0611182

Date:

Page ____ of ____

COMPANY: EMR/B/C		ADDRESS:		ANALYSIS REQUESTED						Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.				
PHONE:		FAX:												
SAMPLED BY: B. L. Atlanta		SIGNATURE: B. L.												
#	SAMPLE ID	SAMPLED		Composite	Matrix (See codes)	PRESERVATION (See codes)						REMARKS		
		DATE	TIME			Grab								
1	BH-1 (2.5-10)	7-2-03	-	X										Basic Brine Calomim Chlorine Leaf
2	BH-3 (0-5)	1	-	X										
3	BH-5 (0-5)	1	-	X										
4	BH-6 (0-5)	1	-	X										
5	BH-7 (5-10)	↓	-	X										
6	BH-10 (3-5)	11-2-06	10:45	X										
7	DNP	↓	-	X										
8	Rinsate	↓	-	X										
9														
10														
11														
12														
13														
14														
RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION						RECEIPT			
1:	b. l.	11-2-06/10:45	1: L. L. (B) - 11-2-6 1444	11-2-6	PROJECT NAME: Sulfur						Total # of Containers			
2:			2:		PROJECT #: 191						Turnaround Time Request:			
3:			3:		SITE ADDRESS:						Standard 5 Business Days			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD				INVOICE TO: (IF DIFFERENT FROM ABOVE)						2 Business Day Rush		
		OUT	/	VIA:							Next Business Day Rush			
		IN	/	VIA:							Same Day Rush (auth req.)			
		CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER _____										Other _____		
						QUOTE #:	PO#:					STATE PROGRAM (if any):		
												E-mail? Y/N; Fax? Y/N		
												DATA PACKAGE: I II III IV		

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EMA / BC

Work Order Number 0611182

Checklist completed by Acalin D. Date 11/02/06
Signature

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container/coolers in good condition? Yes No Not Present

Custody seals intact on shipping container/coolers? 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 3.9 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No *AA, 11/06*

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by A-D.

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

CLIENT: Environmental Management Associates, LL
Project: Sunlow
Lab Order: 0611182

CASE NARRATIVE

Samples "BH-1", "BH-3", "BH-5", "BH-6", "BH-7", were received outside om method required holding time of 180 days. Proceed with analysis per Brent Cortelloni on 11/3/2006.

Metals Analysis by Method 6010B:

Matrix spike recoveries for barium and arsenic on sample 0611322-001A were outside control limits. LCS recovery was within control limits indicating possible matrix interference.

Matrix spike duplicate recovery for arsenic on sample 0611322-001A was outside control limits. LCS recovery was within control limits indicating possible matrix interference.

Analyze "BH-6 (0-5)" for SPLP Ba and "BH-1 (2.5-10)" for SPLP As at standard TAT per Brent Cortelloni on 11/15/2006. Brent is aware of holding times.

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL **Client Sample ID:** BH-1 (2.5-10)
Lab Order: 0611182 **Tag Number:**
Project: Sunlow **Collection Date:** 7/2/2003
Lab ID: 0611182-001A **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
ICP METALS, SPLP		SW1312/6010B		(SW3010A)			Analyst: LKW
Arsenic	BRL	0.0500		mg/L	77726	1	11/17/2006 12:27:12 PT
METALS, TOTAL		SW6010B		(SW3050B)			Analyst: LKW
Arsenic	57.2	4.91	H	mg/Kg	77315	1	11/8/2006 12:43:32 PT
Barium	778	4.91	H	mg/Kg	77315	1	11/7/2006 10:03:44 PT
Cadmium	15.3	2.46	H	mg/Kg	77315	1	11/7/2006 10:03:44 PT
Chromium	46.3	2.46	H	mg/Kg	77315	1	11/7/2006 10:03:44 PT
Lead	6270	49.1	H	mg/Kg	77315	10	11/8/2006 12:56:57 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-3 (0-5)
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0611182-002A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	BRL	4.92	H	mg/Kg	77315	1	11/7/2006 10:05:48 PT
Barium	154	4.92	H	mg/Kg	77315	1	11/7/2006 10:05:48 PT
Cadmium	BRL	2.46	H	mg/Kg	77315	1	11/7/2006 10:05:48 PT
Chromium	16.1	2.46	H	mg/Kg	77315	1	11/7/2006 10:05:48 PT
Lead	24.7	4.92	H	mg/Kg	77315	1	11/7/2006 10:05:48 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL **Client Sample ID:** BH-5 (0-5)
Lab Order: 0611182 **Tag Number:**
Project: Sunlow **Collection Date:** 7/2/2003
Lab ID: 0611182-003A **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	18.7	4.85	H	mg/Kg	77315	1	11/8/2006 12:45:35 PT
Barium	548	4.85	H	mg/Kg	77315	1	11/7/2006 10:07:52 PT
Cadmium	BRL	2.43	H	mg/Kg	77315	1	11/7/2006 10:07:52 PT
Chromium	33.0	2.43	H	mg/Kg	77315	1	11/7/2006 10:07:52 PT
Lead	877	4.85	H	mg/Kg	77315	1	11/7/2006 10:07:52 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL
Lab Order: 0611182
Project: Sunlow
Lab ID: 0611182-004A

Client Sample ID: BH-6 (0-5)
Tag Number:
Collection Date: 7/2/2003
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
ICP METALS, SPLP		SW1312/6010B		(SW3010A)			Analyst: LKW
Barium	BRL	0.100		mg/L	77726	1	11/17/2006 12:31:11 P
METALS, TOTAL		SW6010B		(SW3050B)			Analyst: LKW
Arsenic	BRL	4.98	H	mg/Kg	77315	1	11/8/2006 12:47:38 PI
Barium	2780	49.8	H	mg/Kg	77315	10	11/8/2006 12:59:56 PI
Cadmium	BRL	2.49	H	mg/Kg	77315	1	11/7/2006 10:09:56 PI
Chromium	41.9	2.49	H	mg/Kg	77315	1	11/7/2006 10:09:56 PI
Lead	319	4.98	H	mg/Kg	77315	1	11/7/2006 10:09:56 PI

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-7 (5-10)
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0611182-005A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	120	4.87	H	mg/Kg	77315	1	11/8/2006 12:49:43 PT
Barium	481	4.87	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT
Cadmium	BRL	2.43	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT
Chromium	40.2	2.43	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT
Lead	1650	4.87	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-10 (3-5)
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	11/2/2006 10:45:00 AM
Lab ID:	0611182-006A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	44.5	4.81		mg/Kg	77315	1	11/8/2006 12:51:50 PM
Barium	1540	48.1		mg/Kg	77315	10	11/8/2006 1:03:00 PM
Cadmium	BRL	2.41		mg/Kg	77315	1	11/7/2006 10:14:06 PM
Chromium	32.5	2.41		mg/Kg	77315	1	11/7/2006 10:14:06 PM
Lead	783	4.81		mg/Kg	77315	1	11/7/2006 10:14:06 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	B	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	DUP
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	11/2/2006
Lab ID:	0611182-007A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	49.5	4.59		mg/Kg	77315	1	11/8/2006 12:53:56 PT
Barium	1330	45.9		mg/Kg	77315	10	11/8/2006 1:12:50 PM
Cadmium	BRL	2.29		mg/Kg	77315	1	11/7/2006 10:16:12 PT
Chromium	38.1	2.29		mg/Kg	77315	1	11/7/2006 10:16:12 PT
Lead	1220	4.59		mg/Kg	77315	1	11/7/2006 10:16:12 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL
Lab Order: 0611182
Project: Sunlow
Lab ID: 0611182-008A

Client Sample ID: RINSATE
Tag Number:
Collection Date: 11/2/2006
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	BRL	0.0500		mg/L	77338	1	11/9/2006 9:30:26 AM
Barium	BRL	0.0200		mg/L	77338	1	11/9/2006 9:30:26 AM
Cadmium	BRL	0.0050		mg/L	77338	1	11/9/2006 9:30:26 AM
Chromium	BRL	0.0100		mg/L	77338	1	11/9/2006 9:30:26 AM
Lead	BRL	0.0100		mg/L	77338	1	11/9/2006 9:30:26 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT**TestCode: 1312_M**

Sample ID: MB-77726	SampType: MBLK	TestCode: 1312_M Units: mg/L			Prep Date: 11/17/2006			RunNo: 94334			
Client ID:	Batch ID: 77726	TestNo: SW1312/6010			Analysis Date: 11/17/2006			SeqNo: 1881226			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.100									
Sample ID: LCS-77726	SampType: LCS	TestCode: 1312_M Units: mg/L			Prep Date: 11/17/2006			RunNo: 94334			
Client ID:	Batch ID: 77726	TestNo: SW1312/6010			Analysis Date: 11/17/2006			SeqNo: 1881225			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.081	0.0500	1	0.01218	107	85	115	0	0		
Barium	1.073	0.100	1	0	107	85	115	0	0		
Sample ID: 0611850-001AMS	SampType: MS	TestCode: 1312_M Units: mg/L			Prep Date: 11/17/2006			RunNo: 94334			
Client ID:	Batch ID: 77726	TestNo: SW1312/6010			Analysis Date: 11/17/2006			SeqNo: 1881229			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.08	0.0500	1	0.01444	107	75	125	0	0		
Barium	1.075	0.100	1	0.0197	106	75	125	0	0		
Sample ID: 0611850-001AMSD	SampType: MSD	TestCode: 1312_M Units: mg/L			Prep Date: 11/17/2006			RunNo: 94334			
Client ID:	Batch ID: 77726	TestNo: SW1312/6010			Analysis Date: 11/17/2006			SeqNo: 1881230			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.089	0.0500	1	0.01444	107	75	125	1.08	0.825	20	
Barium	1.076	0.100	1	0.0197	106	75	125	1.075	0.0477	20	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

E Value above quantitation range
N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID:	MB-77315	SampType:	MBLK	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	11/7/2006	RunNo:	93754	
Client ID:		Batch ID:	77315	TestNo:	SW6010B				Analysis Date:	11/7/2006	SeqNo:	1868282
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	5.00									
Barium		BRL	5.00									
Cadmium		BRL	2.50									
Chromium		BRL	2.50									
Lead		BRL	5.00									
Sample ID:	LCS-77315	SampType:	LCS	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	11/7/2006	RunNo:	93754	
Client ID:		Batch ID:	77315	TestNo:	SW6010B <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>11/7/2006</td> <th>SeqNo:</th> <td>1868281</td>				Analysis Date:	11/7/2006	SeqNo:	1868281
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		49.37	5.00	50	0	98.7	80	120	0	0		
Barium		50.04	5.00	50	0	100	80	120	0	0		
Cadmium		47.9	2.50	50	0	95.8	80	120	0	0		
Chromium		51	2.50	50	0	102	80	120	0	0		
Lead		49.67	5.00	50	0	99.3	80	120	0	0		
Sample ID:	0611322-001AMS	SampType:	MS	TestCode:	6010B_S	Units:	mg/Kg-dry	Prep Date:	11/7/2006	RunNo:	93754	
Client ID:		Batch ID:	77315	TestNo:	SW6010B <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>11/7/2006</td> <th>SeqNo:</th> <td>1868284</td>				Analysis Date:	11/7/2006	SeqNo:	1868284
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		41.28	6.40	64.04	0	64.5	75	125	0	0		S
Barium		172.9	6.40	64.04	139	53	75	125	0	0		S
Cadmium		60.66	3.20	64.04	0	94.7	75	125	0	0		
Chromium		94.9	3.20	64.04	44.01	79.5	75	125	0	0		
Lead		70.29	6.40	64.04	14.16	87.6	75	125	0	0		
Sample ID:	0611322-001AMSD	SampType:	MSD	TestCode:	6010B_S	Units:	mg/Kg-dry	Prep Date:	11/7/2006	RunNo:	93754	
Client ID:		Batch ID:	77315	TestNo:	SW6010B <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>11/7/2006</td> <th>SeqNo:</th> <td>1868285</td>				Analysis Date:	11/7/2006	SeqNo:	1868285
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

E Value above quantitation range
N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID:	0611322-001AMSD	SampType:	MSD	TestCode:	6010B_S	Units:	mg/Kg-dry	Prep Date:	11/7/2006	RunNo:	93754	
Client ID:		Batch ID:	77315	TestNo:	SW6010B <th></th> <th></th> <th>Analysis Date:</th> <td>11/7/2006</td> <th>SeqNo:</th> <td>1868285</td>			Analysis Date:	11/7/2006	SeqNo:	1868285	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		44.07	6.44	64.44	0	68.4	75	125	41.28	6.54	20	S
Barium		188.2	6.44	64.44	139	76.5	75	125	172.9	8.47	20	
Cadmium		63.91	3.22	64.44	0	99.2	75	125	60.66	5.22	20	
Chromium		102.4	3.22	64.44	44.01	90.7	75	125	94.9	7.64	20	
Lead		74.58	6.44	64.44	14.16	93.8	75	125	70.29	5.93	20	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits
E Value above quantitation range
N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID: MB-77338	SampType: MBLK	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 11/7/2006	RunNo: 93818						
Client ID:	Batch ID: 77338	TestNo: SW6010B		Analysis Date: 11/9/2006	SeqNo: 1869689						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									

Sample ID: LCS-77338	SampType: LCS	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 11/7/2006	RunNo: 93818						
Client ID:	Batch ID: 77338	TestNo: SW6010B		Analysis Date: 11/9/2006	SeqNo: 1869901						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.077	0.0500	1	0	108	85	115	0	0		
Barium	1.084	0.0200	1	0	108	85	115	0	0		
Cadmium	1.083	0.00500	1	0	108	85	115	0	0		
Chromium	1.109	0.0100	1	0	111	85	115	0	0		
Lead	1.083	0.0100	1	0	108	85	115	0	0		

Sample ID: 0611174-001BMS	SampType: MS	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 11/7/2006	RunNo: 93818						
Client ID:	Batch ID: 77338	TestNo: SW6010B		Analysis Date: 11/9/2006	SeqNo: 1869694						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.058	0.0500	1	0	106	75	125	0	0		
Barium	1.079	0.0200	1	0.08418	99.4	75	125	0	0		
Cadmium	1.056	0.00500	1	0	106	75	125	0	0		
Chromium	1.085	0.0100	1	0	109	75	125	0	0		
Lead	1.016	0.0100	1	0	102	75	125	0	0		

Sample ID: 0611174-001BMSD	SampType: MSD	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 11/7/2006	RunNo: 93818						
Client ID:	Batch ID: 77338	TestNo: SW6010B		Analysis Date: 11/9/2006	SeqNo: 1869698						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R		RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID: 0611174-001BMSD	SampType: MSD	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 11/7/2006	RunNo: 93818
Client ID:	Batch ID: 77338	TestNo: SW6010B		Analysis Date: 11/9/2006	SeqNo: 1869698
<hr/>					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.073	0.0500	1	0	107	75	125	1.058	1.39	20	
Barium	1.115	0.0200	1	0.08418	103	75	125	1.079	3.36	20	
Cadmium	1.069	0.00500	1	0	107	75	125	1.056	1.19	20	
Chromium	1.112	0.0100	1	0	111	75	125	1.085	2.38	20	
Lead	1.042	0.0100	1	0	104	75	125	1.016	2.54	20	

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 05, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Road

Dear Tyler Boyles:

Order No: 1205P03

Analytical Environmental Services, Inc. received 2 samples on May 31, 2012 5:45 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn Waters
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES

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

CHAIN OF CUSTODY

Work Order: 1205P03

Date: 5/31/12 Page 1 of 1

COMPANY: AMEC ER		ADDRESS: 396 PLASTERS AVE ATLANTA, GA 30324		ANALYSIS REQUESTED										Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers		
		PHONE: 404-817-0152 FAX:		SAMPLER BY: STEPHEN Foley		VOCs PAHs PCPs RCRA METALS											
#	SAMPLE ID	SAMPLER		Composite	Matrix (See codes)	PRESERVATION (See codes)										REMARKS	
		DATE	TIME			Grab	I	I	I	X							
1	MW-3-4'	5/31/12	1451	X	so											RCR METALS 24 HR AT 7 HOLD OTHER TESTS 7	
2	MW-3-8'		1453		1											RCR METALS 24 HR AT 6 HOLD OTHER TESTS 6	
3	MW-4-6'		0915		1											HOLD 5	
4	MW-4-24		0924		1											HOLD 5	
5	MW-5-10'		1122		1											HOLD 5	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION										RECEIPT		
1:	<i>SFR JL</i>	5/31/12 1745	<i>B. H. D.</i>	5/31/12 5:45	PROJECT NAME: 1071 HOWELL mill										Total # of Containers	28	
2:			2:		PROJECT #: 6121-12-0124										Turnaround Time Request		
3:			3:		SITE ADDRESS: 1071 HOWELL MILL RD ATLANTA, GA										Standard 5 Business Days		
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD										SEND REPORT TO: TYLER BOYLE		2 Business Day Rush			
		OUT / /	VIA:													Next Business Day Rush	
		IN / /	VIA:													Same Day Rush (auth req.)	
		CLIENT FedEx UPS MAIL COURIER														Other _____	
		GREYHOUND OTHER														STATE PROGRAM (if any): _____	
																E-mail? Y / N; Fax? Y / N	
																DATA PACKAGE: I II III IV	
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																	

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc**Date:** 5-Jun-12

Client: AMEC E&I, Inc.	Client Sample ID: MW-3-4'
Project Name: 1071 Howell Mill Road	Collection Date: 5/31/2012 2:51:00 PM
Lab ID: 1205P03-001	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B								
Mercury	BRL	0.119		mg/Kg-dry	162183	1	06/01/2012 14:10	MW
METALS, TOTAL SW6010C								
Arsenic	BRL	5.71		mg/Kg-dry	161460	1	06/01/2012 17:03	TA
Barium	251	5.71		mg/Kg-dry	161460	1	06/01/2012 17:03	TA
Cadmium	BRL	2.85		mg/Kg-dry	161460	1	06/01/2012 17:03	TA
Chromium	30.6	2.85		mg/Kg-dry	161460	1	06/01/2012 17:03	TA
Lead	13.1	5.71		mg/Kg-dry	161460	1	06/01/2012 17:03	TA
Selenium	BRL	5.71		mg/Kg-dry	161460	1	06/01/2012 17:03	TA
Silver	BRL	2.85		mg/Kg-dry	161460	1	06/01/2012 17:03	TA
PERCENT MOISTURE D2216								
Percent Moisture	16.3	0		wt%	R222497	1	06/02/2012 18:00	SR

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 5-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-3-8'
Project Name:	1071 Howell Mill Road	Collection Date:	5/31/2012 2:53:00 PM
Lab ID:	1205P03-002	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B								
(SW7471B)								
Mercury	BRL	0.109		mg/Kg-dry	162183	1	06/01/2012 14:12	MW
METALS, TOTAL SW6010C								
(SW3050B)								
Arsenic	BRL	5.46		mg/Kg-dry	161460	1	06/01/2012 17:07	TA
Barium	102	5.46		mg/Kg-dry	161460	1	06/01/2012 17:07	TA
Cadmium	BRL	2.73		mg/Kg-dry	161460	1	06/01/2012 17:07	TA
Chromium	17.0	2.73		mg/Kg-dry	161460	1	06/01/2012 17:07	TA
Lead	10.4	5.46		mg/Kg-dry	161460	1	06/01/2012 17:07	TA
Selenium	BRL	5.46		mg/Kg-dry	161460	1	06/01/2012 17:07	TA
Silver	BRL	2.73		mg/Kg-dry	161460	1	06/01/2012 17:07	TA
PERCENT MOISTURE D2216								
Percent Moisture	8.99	0		wt%	R222497	1	06/02/2012 18:00	SR

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMECWork Order Number K05P03Checklist completed by JLLN Date 05/31/2012

Signature

Carrier name: FedEx UPS Courier Client US Mail Other _____Shipping container/cooler in good condition? Yes No Not Present Custody seals intact on shipping container/cooler? Yes No Not Present Custody seals intact on sample bottles? Yes No Not Present Container/Temp Blank temperature in compliance? (4°C±2)* Yes No Cooler #1 4.0 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____Chain of custody present? Yes No Chain of custody signed when relinquished and received? Yes No Chain of custody agrees with sample labels? Yes No Samples in proper container/bottle? Yes No Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No All samples received within holding time? Yes No Was TAT marked on the COC? Yes No Proceed with Standard TAT as per project history? Yes No Not Applicable Water - VOA vials have zero headspace? No VOA vials submitted Yes No Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by _____

Sample Condition: Good Other(Explain) _____(For diffusive samples or AIHA lead) Is a known blank included? Yes No **See Case Narrative for resolution of the Non-Conformance.**

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

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1205P03

ANALYTICAL QC SUMMARY REPORT**BatchID: 161460**

Sample ID: MB-161460	Client ID:	Units: mg/Kg	Prep Date: 05/31/2012	Run No: 222404
SampleType: MLBK	TestCode: METALS, TOTAL SW6010C	BatchID: 161460	Analysis Date: 06/01/2012	Seq No: 4652216
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	0
Barium	BRL	5.00	0	0	0	0	0	0	0	0	0
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	0
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	0
Lead	BRL	5.00	0	0	0	0	0	0	0	0	0
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	0
Silver	BRL	2.50	0	0	0	0	0	0	0	0	0

Sample ID: LCS-161460	Client ID:	Units: mg/Kg	Prep Date: 05/31/2012	Run No: 222404							
SampleType: LCS	TestCode: METALS, TOTAL SW6010C	BatchID: 161460	Analysis Date: 06/01/2012	Seq No: 4652215							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	50.58	5.00	50	0	101	80	120	0	0	0	0
Barium	51.70	5.00	50	0	103	80	120	0	0	0	0
Cadmium	50.84	2.50	50	0	102	80	120	0	0	0	0
Chromium	53.18	2.50	50	0	106	80	120	0	0	0	0
Lead	50.58	5.00	50	0.04804	101	80	120	0	0	0	0
Selenium	49.71	5.00	50	0.2324	99	80	120	0	0	0	0
Silver	5.038	2.50	5	0	101	80	120	0	0	0	0

Sample ID: 1205N79-025AMS	Client ID:	Units: mg/Kg-dry	Prep Date: 05/31/2012	Run No: 222404							
SampleType: MS	TestCode: METALS, TOTAL SW6010C	BatchID: 161460	Analysis Date: 06/01/2012	Seq No: 4652220							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	50.32	5.38	53.82	1.620	90.5	75	125	0	0	0	0
Barium	120.1	5.38	53.82	68.06	96.8	75	125	0	0	0	0
Cadmium	52.22	2.69	53.82	0	97	75	125	0	0	0	0
Chromium	106.9	2.69	53.82	39.90	125	75	125	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1205P03

ANALYTICAL QC SUMMARY REPORT**BatchID: 161460**

Sample ID: 1205N79-025AMS	Client ID:				Units: mg/Kg-dry	Prep Date:	05/31/2012	Run No: 222404			
SampleType: MS	TestCode:	METALS, TOTAL	SW6010C			BatchID: 161460	Analysis Date: 06/01/2012	Seq No: 4652220			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	93.64	5.38	53.82	45.77	88.9	75	125	0	0	0	
Selenium	44.74	5.38	53.82	0	83.1	75	125	0	0	0	
Silver	5.179	2.69	5.382	0.04777	95.3	75	125	0	0	0	
Sample ID: 1205N79-025AMSD	Client ID:				Units: mg/Kg-dry	Prep Date:	05/31/2012	Run No: 222404			
SampleType: MSD	TestCode:	METALS, TOTAL	SW6010C			BatchID: 161460	Analysis Date: 06/01/2012	Seq No: 4652220			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	52.14	5.38	53.78	1.620	93.9	75	125	50.32	3.53	20	
Barium	128.8	5.38	53.78	68.06	113	75	125	120.1	6.98	20	
Cadmium	53.73	2.69	53.78	0	99.9	75	125	52.22	2.85	20	
Chromium	104.9	2.69	53.78	39.90	121	75	125	106.9	1.91	20	
Lead	94.10	5.38	53.78	45.77	89.9	75	125	93.64	0.492	20	
Selenium	45.43	5.38	53.78	0	84.5	75	125	44.74	1.54	20	
Silver	5.284	2.69	5.378	0.04777	97.4	75	125	5.179	2.01	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1205P03

ANALYTICAL QC SUMMARY REPORT**BatchID: 162183**

Sample ID: MB-162183	Client ID:				Units: mg/Kg	Prep Date: 06/01/2012	Run No: 222399				
SampleType: MLBK	TestCode: TOTAL MERCURY SW7471B				BatchID: 162183	Analysis Date: 06/01/2012	Seq No: 4652503				
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	0
Sample ID: LCS-162183	Client ID:				Units: mg/Kg	Prep Date: 06/01/2012	Run No: 222399				
SampleType: LCS	TestCode: TOTAL MERCURY SW7471B				BatchID: 162183	Analysis Date: 06/01/2012	Seq No: 4652504				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4069	0.100	0.4	0	102	80	120	0	0	0	0
Sample ID: 1205M81-001AMS	Client ID:				Units: mg/Kg-dry	Prep Date: 06/01/2012	Run No: 222399				
SampleType: MS	TestCode: TOTAL MERCURY SW7471B				BatchID: 162183	Analysis Date: 06/01/2012	Seq No: 4652506				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5548	0.121	0.4832	0.07833	98.6	70	130	0	0	0	0
Sample ID: 1205M81-001AMSD	Client ID:				Units: mg/Kg-dry	Prep Date: 06/01/2012	Run No: 222399				
SampleType: MSD	TestCode: TOTAL MERCURY SW7471B				BatchID: 162183	Analysis Date: 06/01/2012	Seq No: 4652507				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5467	0.121	0.4842	0.07833	96.7	70	130	0.5548	1.46	30	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 18, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Road

Dear Tyler Boyles:

Order No: 1206111

Analytical Environmental Services, Inc. received 4 samples on June 1, 2012 4:00 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn Waters
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES

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

CHAIN OF CUSTODY

Work Order:

120611

Date: 6/1/12

Page 1 of 1

COMPANY: AMEC		ADDRESS: 396 Phasker Ave Atlanta GA		ANALYSIS REQUESTED							Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers			
				VOCs	Total Residuals	Diss. Residuals	Pd/Hg	PCBs	Pesticides						
PHONE: 404 817 0153		FAX: 404 817 0183													
SAMPLED BY: Tyler Boyles		SIGNATURE: <i>Tyler Boyles</i>		PRESERVATION (See codes)							REMARKS				
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	H+I	HNO ₃	NA	NA	NA	NA			
		DATE	TIME												
1	MW-3	6/1/12	1100	X		GW	X	X	X	X	X	X		?	
2	MW-5	6/1/12	1250	X		GW	X	X	X	X	X	X		?	
3	MW-4	6/1/12	1435	X		GW	X	X	X	X	X	X		?	
4	TRB Blnk						X								
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
RELINQUISHED BY:		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION							RECEIPT			
<i>TB</i>		6/1/12 1600	<i>M</i>	6/1/12 4:00	PROJECT NAME: 1071 Howell Mill							Total # of Containers	21		
2:					PROJECT #: 612112							Turnaround Time Request			
3:					SITE ADDRESS: 1071 Howell Mill Rd							Standard 5 Business Days			
					SEND REPORT TO: Tyler Boyles							2 Business Day Rush			
												Next Business Day Rush			
												Same Day Rush (auth req.)			
												Other _____			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD OUT / / VIA: IN / / VIA: CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER _____					INVOICE TO: (IF DIFFERENT FROM ABOVE)							STATE PROGRAM (if any): _____ E-mail? Y/N; Fax? Y/N	
														QUOTE #: _____ PO#: _____	
														DATA PACKAGE: I II III IV	

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
 SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

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

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

White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.
Project: 1071 Howell Mill Road
Lab ID: 1206111

Case Narrative

Per phone instructions from Tyler Boyles on 6/6/12 at 9:00 am., work order 1206111 should be revised to report to the Method Detection Limits (MDL).

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-3
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 11:00:00 AM
Lab ID:	1206111-001	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
1,1,1-Trichloroethane	BRL		0.40	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,1,2,2-Tetrachloroethane	BRL		0.18	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,1,2-Trichloroethane	BRL		0.38	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,1-Dichloroethane	BRL		0.19	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,1-Dichloroethene	BRL		0.79	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,2,4-Trichlorobenzene	BRL		0.30	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,2-Dibromo-3-chloropropane	BRL		0.78	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,2-Dibromoethane	BRL		0.32	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,2-Dichlorobenzene	BRL		0.27	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,2-Dichloroethane	BRL		0.22	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,2-Dichloropropane	BRL		0.29	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,3-Dichlorobenzene	BRL		0.17	5.0	ug/L	162199	1	06/04/2012 12:38	DB
1,4-Dichlorobenzene	BRL		0.20	5.0	ug/L	162199	1	06/04/2012 12:38	DB
2-Butanone	BRL		1.3	50	ug/L	162199	1	06/04/2012 12:38	DB
2-Hexanone	BRL		0.46	10	ug/L	162199	1	06/04/2012 12:38	DB
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	162199	1	06/04/2012 12:38	DB
Acetone	BRL		2.0	50	ug/L	162199	1	06/04/2012 12:38	DB
Benzene	BRL		0.41	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Bromodichloromethane	3.9	J	0.20	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Bromoform	BRL		0.32	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Bromomethane	BRL		0.52	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Carbon disulfide	BRL		1.5	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Carbon tetrachloride	BRL		0.53	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Chlorobenzene	BRL		0.15	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Chloroethane	BRL		0.69	10	ug/L	162199	1	06/04/2012 12:38	DB
Chloroform	40		0.23	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Chloromethane	BRL		0.49	10	ug/L	162199	1	06/04/2012 12:38	DB
cis-1,2-Dichloroethene	2.5	J	0.31	5.0	ug/L	162199	1	06/04/2012 12:38	DB
cis-1,3-Dichloropropene	BRL		0.54	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Cyclohexane	BRL		0.25	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Dibromochloromethane	BRL		0.51	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Dichlorodifluoromethane	BRL		1.2	10	ug/L	162199	1	06/04/2012 12:38	DB
Ethylbenzene	BRL		0.37	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Freon-113	BRL		0.77	10	ug/L	162199	1	06/04/2012 12:38	DB
Isopropylbenzene	BRL		0.37	5.0	ug/L	162199	1	06/04/2012 12:38	DB
m,p-Xylene	BRL		0.72	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Methyl acetate	BRL		0.62	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Methyl tert-butyl ether	BRL		0.35	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Methylcyclohexane	BRL		0.70	5.0	ug/L	162199	1	06/04/2012 12:38	DB

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-3
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 11:00:00 AM
Lab ID:	1206111-001	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B									
(SW5030B)									
Methylene chloride	BRL		2.3	5.0	ug/L	162199	1	06/04/2012 12:38	DB
o-Xylene	BRL		0.42	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Styrene	BRL		0.64	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Tetrachloroethene	120		0.47	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Toluene	BRL		0.30	5.0	ug/L	162199	1	06/04/2012 12:38	DB
trans-1,2-Dichloroethene	BRL		0.47	5.0	ug/L	162199	1	06/04/2012 12:38	DB
trans-1,3-Dichloropropene	BRL		0.56	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Trichloroethene	3.4	J	0.38	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Trichlorofluoromethane	BRL		1.1	5.0	ug/L	162199	1	06/04/2012 12:38	DB
Vinyl chloride	BRL		0.69	2.0	ug/L	162199	1	06/04/2012 12:38	DB
Surr: 4-Bromofluorobenzene	81.3		0	67.4-123	%REC	162199	1	06/04/2012 12:38	DB
Surr: Dibromofluoromethane	102		0	75.5-128	%REC	162199	1	06/04/2012 12:38	DB
Surr: Toluene-d8	87.4		0	70-120	%REC	162199	1	06/04/2012 12:38	DB
POLYCHLORINATED BIPHENYLS SW8082A									
(SW3510C)									
Aroclor 1016	BRL		0.089	0.50	ug/L	162225	1	06/05/2012 13:28	SN
Aroclor 1221	BRL		0.20	0.50	ug/L	162225	1	06/05/2012 13:28	SN
Aroclor 1232	BRL		0.14	0.50	ug/L	162225	1	06/05/2012 13:28	SN
Aroclor 1242	BRL		0.15	0.50	ug/L	162225	1	06/05/2012 13:28	SN
Aroclor 1248	BRL		0.091	0.50	ug/L	162225	1	06/05/2012 13:28	SN
Aroclor 1254	BRL		0.100	0.50	ug/L	162225	1	06/05/2012 13:28	SN
Aroclor 1260	BRL		0.13	0.50	ug/L	162225	1	06/05/2012 13:28	SN
Surr: Decachlorobiphenyl	69.2		0	15.5-128	%REC	162225	1	06/05/2012 13:28	SN
Surr: Tetrachloro-m-xylene	73.6		0	17.3-125	%REC	162225	1	06/05/2012 13:28	SN
POLYAROMATIC HYDROCARBONS SW8270D									
(SW3535A)									
Naphthalene	BRL		2.0	10	ug/L	162230	1	06/04/2012 19:01	EI
Acenaphthylene	BRL		1.2	10	ug/L	162230	1	06/04/2012 19:01	EI
1-Methylnaphthalene	BRL		1.6	10	ug/L	162230	1	06/04/2012 19:01	EI
2-Methylnaphthalene	BRL		2.1	10	ug/L	162230	1	06/04/2012 19:01	EI
Acenaphthene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:01	EI
Fluorene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:01	EI
Phenanthrene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:01	EI
Anthracene	BRL		1.6	10	ug/L	162230	1	06/04/2012 19:01	EI
Fluoranthene	BRL		1.7	10	ug/L	162230	1	06/04/2012 19:01	EI
Pyrene	BRL		1.4	10	ug/L	162230	1	06/04/2012 19:01	EI
Benz(a)anthracene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:01	EI
Chrysene	BRL		1.9	10	ug/L	162230	1	06/04/2012 19:01	EI
Benzo(b)fluoranthene	BRL		0.94	10	ug/L	162230	1	06/04/2012 19:01	EI

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-3
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 11:00:00 AM
Lab ID:	1206111-001	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3535A)									
Benzo(k)fluoranthene	BRL	2.5	10	ug/L	162230	1	06/04/2012 19:01	EI	
Benzo(a)pyrene	BRL	1.5	10	ug/L	162230	1	06/04/2012 19:01	EI	
Dibenz(a,h)anthracene	BRL	1.5	10	ug/L	162230	1	06/04/2012 19:01	EI	
Benzo(g,h,i)perylene	BRL	1.8	10	ug/L	162230	1	06/04/2012 19:01	EI	
Indeno(1,2,3-cd)pyrene	BRL	1.3	10	ug/L	162230	1	06/04/2012 19:01	EI	
Surr: Nitrobenzene-d5	67.4	0	30.3-122	%REC	162230	1	06/04/2012 19:01	EI	
Surr: 2-Fluorobiphenyl	58.5	0	41-120	%REC	162230	1	06/04/2012 19:01	EI	
Surr: 4-Terphenyl-d14	87.1	0	55.9-122	%REC	162230	1	06/04/2012 19:01	EI	
METALS, DISSOLVED SW6010C (SW3005A)									
Arsenic	BRL	0.0016	0.0500	mg/L	162291	1	06/05/2012 14:42	TA	
Barium	0.0638	0.0019	0.0200	mg/L	162291	1	06/05/2012 14:42	TA	
Cadmium	0.0005	J	0.0003	0.0050	mg/L	162291	1	06/05/2012 14:42	TA
Chromium	BRL	0.0006	0.0100	mg/L	162291	1	06/05/2012 14:42	TA	
Lead	BRL	0.0016	0.0100	mg/L	162291	1	06/05/2012 14:42	TA	
Selenium	BRL	0.0044	0.0200	mg/L	162291	1	06/05/2012 14:42	TA	
Silver	BRL	0.0006	0.0100	mg/L	162291	1	06/05/2012 14:42	TA	
Mercury, Total SW7470A (SW7470A)									
Mercury	BRL	0.00007	0.00020	mg/L	162220	1	06/04/2012 14:04	MW	
Mercury, Dissolved SW7470A (SW7470A)									
Mercury	BRL	0.00007	0.00020	mg/L	162221	1	06/04/2012 14:26	MW	
CHLORINATED PESTICIDES, TCL SW8081B (SW3510C)									
4,4'-DDD	BRL	0.012	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
4,4'-DDE	BRL	0.015	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
4,4'-DDT	BRL	0.0063	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
Aldrin	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
alpha-BHC	BRL	0.0035	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
alpha-Chlordane	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
beta-BHC	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
delta-BHC	BRL	0.0041	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
Diethyltin	BRL	0.015	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
Endosulfan I	BRL	0.0082	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
Endosulfan II	BRL	0.010	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
Endosulfan sulfate	BRL	0.0088	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
Endrin	BRL	0.0091	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
Endrin aldehyde	BRL	0.012	0.10	ug/L	162226	1	06/05/2012 13:02	KD	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

NC Not confirmed

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-3
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 11:00:00 AM
Lab ID:	1206111-001	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B									
(SW3510C)									
Endrin ketone	BRL	0.025	0.10	ug/L	162226	1	06/05/2012 13:02	KD	
gamma-BHC	BRL	0.0047	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
gamma-Chlordane	BRL	0.0085	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
Heptachlor	BRL	0.0097	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
Heptachlor epoxide	BRL	0.0044	0.050	ug/L	162226	1	06/05/2012 13:02	KD	
Methoxychlor	BRL	0.039	0.50	ug/L	162226	1	06/05/2012 13:02	KD	
Toxaphene	BRL	0.10	5.0	ug/L	162226	1	06/05/2012 13:02	KD	
Surr: Decachlorobiphenyl	46.8	0	16.4-114	%REC	162226	1	06/05/2012 13:02	KD	
Surr: Tetrachloro-m-xylene	46.7	0	18.4-120	%REC	162226	1	06/05/2012 13:02	KD	
METALS, TOTAL SW6010C									
(SW3010A)									
Arsenic	BRL	0.0016	0.0500	mg/L	162237	1	06/05/2012 13:57	TA	
Barium	0.0704	0.0019	0.0200	mg/L	162237	1	06/05/2012 13:57	TA	
Cadmium	BRL	0.0003	0.0050	mg/L	162237	1	06/05/2012 13:57	TA	
Chromium	0.0011	J	0.0006	0.0100	mg/L	162237	1	06/05/2012 13:57	TA
Lead	BRL	0.0016	0.0100	mg/L	162237	1	06/05/2012 13:57	TA	
Selenium	BRL	0.0044	0.0200	mg/L	162237	1	06/05/2012 13:57	TA	
Silver	BRL	0.0006	0.0100	mg/L	162237	1	06/05/2012 13:57	TA	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

NC Not confirmed

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-5
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 12:50:00 PM
Lab ID:	1206111-002	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B									
1,1,1-Trichloroethane	BRL		0.40	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,1,2,2-Tetrachloroethane	BRL		0.18	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,1,2-Trichloroethane	BRL		0.38	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,1-Dichloroethane	2.0	J	0.19	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,1-Dichloroethene	BRL		0.79	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,2,4-Trichlorobenzene	BRL		0.30	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,2-Dibromo-3-chloropropane	BRL		0.78	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,2-Dibromoethane	BRL		0.32	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,2-Dichlorobenzene	BRL		0.27	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,2-Dichloroethane	BRL		0.22	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,2-Dichloropropane	BRL		0.29	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,3-Dichlorobenzene	BRL		0.17	5.0	ug/L	162199	1	06/04/2012 13:07	DB
1,4-Dichlorobenzene	BRL		0.20	5.0	ug/L	162199	1	06/04/2012 13:07	DB
2-Butanone	BRL		1.3	50	ug/L	162199	1	06/04/2012 13:07	DB
2-Hexanone	BRL		0.46	10	ug/L	162199	1	06/04/2012 13:07	DB
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	162199	1	06/04/2012 13:07	DB
Acetone	BRL		2.0	50	ug/L	162199	1	06/04/2012 13:07	DB
Benzene	BRL		0.41	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Bromodichloromethane	BRL		0.20	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Bromoform	BRL		0.32	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Bromomethane	BRL		0.52	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Carbon disulfide	BRL		1.5	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Carbon tetrachloride	BRL		0.53	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Chlorobenzene	BRL		0.15	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Chloroethane	1.4	J	0.69	10	ug/L	162199	1	06/04/2012 13:07	DB
Chloroform	BRL		0.23	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Chloromethane	BRL		0.49	10	ug/L	162199	1	06/04/2012 13:07	DB
cis-1,2-Dichloroethene	BRL		0.31	5.0	ug/L	162199	1	06/04/2012 13:07	DB
cis-1,3-Dichloropropene	BRL		0.54	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Cyclohexane	BRL		0.25	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Dibromochloromethane	BRL		0.51	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Dichlorodifluoromethane	BRL		1.2	10	ug/L	162199	1	06/04/2012 13:07	DB
Ethylbenzene	BRL		0.37	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Freon-113	BRL		0.77	10	ug/L	162199	1	06/04/2012 13:07	DB
Isopropylbenzene	BRL		0.37	5.0	ug/L	162199	1	06/04/2012 13:07	DB
m,p-Xylene	BRL		0.72	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Methyl acetate	BRL		0.62	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Methyl tert-butyl ether	BRL		0.35	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Methylcyclohexane	BRL		0.70	5.0	ug/L	162199	1	06/04/2012 13:07	DB

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-5
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 12:50:00 PM
Lab ID:	1206111-002	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B									
(SW5030B)									
Methylene chloride	BRL	2.3	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
o-Xylene	BRL	0.42	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
Styrene	BRL	0.64	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
Tetrachloroethene	1.1	J	0.47	5.0	ug/L	162199	1	06/04/2012 13:07	DB
Toluene	BRL	0.30	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
trans-1,2-Dichloroethene	BRL	0.47	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
trans-1,3-Dichloropropene	BRL	0.56	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
Trichloroethene	BRL	0.38	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
Trichlorofluoromethane	BRL	1.1	5.0	ug/L	162199	1	06/04/2012 13:07	DB	
Vinyl chloride	BRL	0.69	2.0	ug/L	162199	1	06/04/2012 13:07	DB	
Surr: 4-Bromofluorobenzene	89.4	0	67.4-123	%REC	162199	1	06/04/2012 13:07	DB	
Surr: Dibromofluoromethane	102	0	75.5-128	%REC	162199	1	06/04/2012 13:07	DB	
Surr: Toluene-d8	88.4	0	70-120	%REC	162199	1	06/04/2012 13:07	DB	
POLYCHLORINATED BIPHENYLS SW8082A									
(SW3510C)									
Aroclor 1016	BRL	0.089	0.50	ug/L	162225	1	06/05/2012 13:58	SN	
Aroclor 1221	BRL	0.20	0.50	ug/L	162225	1	06/05/2012 13:58	SN	
Aroclor 1232	BRL	0.14	0.50	ug/L	162225	1	06/05/2012 13:58	SN	
Aroclor 1242	BRL	0.15	0.50	ug/L	162225	1	06/05/2012 13:58	SN	
Aroclor 1248	BRL	0.091	0.50	ug/L	162225	1	06/05/2012 13:58	SN	
Aroclor 1254	BRL	0.100	0.50	ug/L	162225	1	06/05/2012 13:58	SN	
Aroclor 1260	BRL	0.13	0.50	ug/L	162225	1	06/05/2012 13:58	SN	
Surr: Decachlorobiphenyl	74.7	0	15.5-128	%REC	162225	1	06/05/2012 13:58	SN	
Surr: Tetrachloro-m-xylene	45.9	0	17.3-125	%REC	162225	1	06/05/2012 13:58	SN	
POLYAROMATIC HYDROCARBONS SW8270D									
(SW3535A)									
Naphthalene	BRL	2.0	10	ug/L	162230	1	06/04/2012 19:26	EI	
Acenaphthylene	BRL	1.2	10	ug/L	162230	1	06/04/2012 19:26	EI	
1-Methylnaphthalene	BRL	1.6	10	ug/L	162230	1	06/04/2012 19:26	EI	
2-Methylnaphthalene	BRL	2.1	10	ug/L	162230	1	06/04/2012 19:26	EI	
Acenaphthene	BRL	1.3	10	ug/L	162230	1	06/04/2012 19:26	EI	
Fluorene	BRL	1.3	10	ug/L	162230	1	06/04/2012 19:26	EI	
Phenanthrene	BRL	1.3	10	ug/L	162230	1	06/04/2012 19:26	EI	
Anthracene	BRL	1.6	10	ug/L	162230	1	06/04/2012 19:26	EI	
Fluoranthene	BRL	1.7	10	ug/L	162230	1	06/04/2012 19:26	EI	
Pyrene	BRL	1.4	10	ug/L	162230	1	06/04/2012 19:26	EI	
Benz(a)anthracene	BRL	1.3	10	ug/L	162230	1	06/04/2012 19:26	EI	
Chrysene	BRL	1.9	10	ug/L	162230	1	06/04/2012 19:26	EI	
Benzo(b)fluoranthene	BRL	0.94	10	ug/L	162230	1	06/04/2012 19:26	EI	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-5
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 12:50:00 PM
Lab ID:	1206111-002	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3535A)									
Benzo(k)fluoranthene	BRL	2.5	10	ug/L	162230	1	06/04/2012 19:26	EI	
Benzo(a)pyrene	BRL	1.5	10	ug/L	162230	1	06/04/2012 19:26	EI	
Dibenz(a,h)anthracene	BRL	1.5	10	ug/L	162230	1	06/04/2012 19:26	EI	
Benzo(g,h,i)perylene	BRL	1.8	10	ug/L	162230	1	06/04/2012 19:26	EI	
Indeno(1,2,3-cd)pyrene	BRL	1.3	10	ug/L	162230	1	06/04/2012 19:26	EI	
Surr: Nitrobenzene-d5	51.1	0	30.3-122	%REC	162230	1	06/04/2012 19:26	EI	
Surr: 2-Fluorobiphenyl	51.6	0	41-120	%REC	162230	1	06/04/2012 19:26	EI	
Surr: 4-Terphenyl-d14	91.7	0	55.9-122	%REC	162230	1	06/04/2012 19:26	EI	
METALS, DISSOLVED SW6010C (SW3005A)									
Arsenic	BRL	0.0016	0.0500	mg/L	162291	1	06/05/2012 14:46	TA	
Barium	0.935	0.0019	0.0200	mg/L	162291	1	06/05/2012 14:46	TA	
Cadmium	BRL	0.0003	0.0050	mg/L	162291	1	06/05/2012 14:46	TA	
Chromium	BRL	0.0006	0.0100	mg/L	162291	1	06/05/2012 14:46	TA	
Lead	BRL	0.0016	0.0100	mg/L	162291	1	06/05/2012 14:46	TA	
Selenium	BRL	0.0044	0.0200	mg/L	162291	1	06/05/2012 14:46	TA	
Silver	BRL	0.0006	0.0100	mg/L	162291	1	06/05/2012 14:46	TA	
Mercury, Total SW7470A (SW7470A)									
Mercury	BRL	0.00007	0.00020	mg/L	162220	1	06/04/2012 14:10	MW	
Mercury, Dissolved SW7470A (SW7470A)									
Mercury	BRL	0.00007	0.00020	mg/L	162221	1	06/04/2012 14:38	MW	
CHLORINATED PESTICIDES, TCL SW8081B (SW3510C)									
4,4'-DDD	BRL	0.012	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
4,4'-DDE	BRL	0.015	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
4,4'-DDT	BRL	0.0063	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
Aldrin	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
alpha-BHC	BRL	0.0035	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
alpha-Chlordane	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
beta-BHC	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
delta-BHC	BRL	0.0041	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
Diethyltin	BRL	0.015	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
Endosulfan I	BRL	0.0082	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
Endosulfan II	BRL	0.010	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
Endosulfan sulfate	BRL	0.0088	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
Endrin	BRL	0.0091	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
Endrin aldehyde	BRL	0.012	0.10	ug/L	162226	1	06/05/2012 13:13	KD	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

NC Not confirmed

Narr See case narrative

Analytical Environmental Services, Inc**Date:** 18-Jun-12

Client: AMEC E&I, Inc.	Client Sample ID: MW-5
Project Name: 1071 Howell Mill Road	Collection Date: 6/1/2012 12:50:00 PM
Lab ID: 1206111-002	Matrix: Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B									
(SW3510C)									
Endrin ketone	BRL	0.025	0.10	ug/L	162226	1	06/05/2012 13:13	KD	
gamma-BHC	BRL	0.0047	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
gamma-Chlordane	BRL	0.0085	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
Heptachlor	BRL	0.0097	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
Heptachlor epoxide	BRL	0.0044	0.050	ug/L	162226	1	06/05/2012 13:13	KD	
Methoxychlor	BRL	0.039	0.50	ug/L	162226	1	06/05/2012 13:13	KD	
Toxaphene	BRL	0.10	5.0	ug/L	162226	1	06/05/2012 13:13	KD	
Surr: Decachlorobiphenyl	48.2	0	16.4-114	%REC	162226	1	06/05/2012 13:13	KD	
Surr: Tetrachloro-m-xylene	32.1	0	18.4-120	%REC	162226	1	06/05/2012 13:13	KD	
METALS, TOTAL SW6010C									
(SW3010A)									
Arsenic	BRL	0.0016	0.0500	mg/L	162237	1	06/05/2012 14:01	TA	
Barium	1.01	0.0019	0.0200	mg/L	162237	1	06/05/2012 14:01	TA	
Cadmium	BRL	0.0003	0.0050	mg/L	162237	1	06/05/2012 14:01	TA	
Chromium	BRL	0.0006	0.0100	mg/L	162237	1	06/05/2012 14:01	TA	
Lead	BRL	0.0016	0.0100	mg/L	162237	1	06/05/2012 14:01	TA	
Selenium	BRL	0.0044	0.0200	mg/L	162237	1	06/05/2012 14:01	TA	
Silver	BRL	0.0006	0.0100	mg/L	162237	1	06/05/2012 14:01	TA	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

NC Not confirmed

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-4
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 2:35:00 PM
Lab ID:	1206111-003	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B									
					(SW5030B)				
1,1,1-Trichloroethane	6.2		0.40	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,1,2,2-Tetrachloroethane	BRL		0.18	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,1,2-Trichloroethane	BRL		0.38	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,1-Dichloroethane	14		0.19	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,1-Dichloroethene	2.1	J	0.79	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,2,4-Trichlorobenzene	BRL		0.30	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,2-Dibromo-3-chloropropane	BRL		0.78	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,2-Dibromoethane	BRL		0.32	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,2-Dichlorobenzene	BRL		0.27	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,2-Dichloroethane	BRL		0.22	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,2-Dichloropropane	BRL		0.29	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,3-Dichlorobenzene	BRL		0.17	5.0	ug/L	162199	1	06/05/2012 11:21	SB
1,4-Dichlorobenzene	BRL		0.20	5.0	ug/L	162199	1	06/05/2012 11:21	SB
2-Butanone	BRL		1.3	50	ug/L	162199	1	06/05/2012 11:21	SB
2-Hexanone	BRL		0.46	10	ug/L	162199	1	06/05/2012 11:21	SB
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	162199	1	06/05/2012 11:21	SB
Acetone	BRL		2.0	50	ug/L	162199	1	06/05/2012 11:21	SB
Benzene	BRL		0.41	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Bromodichloromethane	BRL		0.20	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Bromoform	BRL		0.32	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Bromomethane	BRL		0.52	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Carbon disulfide	BRL		1.5	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Carbon tetrachloride	BRL		0.53	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Chlorobenzene	BRL		0.15	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Chloroethane	BRL		0.69	10	ug/L	162199	1	06/05/2012 11:21	SB
Chloroform		14	0.23	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Chloromethane	BRL		0.49	10	ug/L	162199	1	06/05/2012 11:21	SB
cis-1,2-Dichloroethene		15	0.31	5.0	ug/L	162199	1	06/05/2012 11:21	SB
cis-1,3-Dichloropropene	BRL		0.54	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Cyclohexane	BRL		0.25	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Dibromochloromethane	BRL		0.51	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Dichlorodifluoromethane	BRL		1.2	10	ug/L	162199	1	06/05/2012 11:21	SB
Ethylbenzene	BRL		0.37	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Freon-113	BRL		0.77	10	ug/L	162199	1	06/05/2012 11:21	SB
Isopropylbenzene	BRL		0.37	5.0	ug/L	162199	1	06/05/2012 11:21	SB
m,p-Xylene	BRL		0.72	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Methyl acetate	BRL		0.62	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Methyl tert-butyl ether	BRL		0.35	5.0	ug/L	162199	1	06/05/2012 11:21	SB
Methylcyclohexane	BRL		0.70	5.0	ug/L	162199	1	06/05/2012 11:21	SB

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-4
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 2:35:00 PM
Lab ID:	1206111-003	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst	
TCL VOLATILE ORGANICS SW8260B										
(SW5030B)										
Methylene chloride	BRL		2.3	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
o-Xylene	BRL		0.42	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
Styrene	BRL		0.64	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
Tetrachloroethene	BRL		0.47	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
Toluene	BRL		0.30	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
trans-1,2-Dichloroethene	BRL		0.47	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
trans-1,3-Dichloropropene	BRL		0.56	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
Trichloroethene	4.3	J	0.38	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
Trichlorofluoromethane	BRL		1.1	5.0	ug/L	162199	1	06/05/2012 11:21	SB	
Vinyl chloride	BRL		0.69	2.0	ug/L	162199	1	06/05/2012 11:21	SB	
Surr: 4-Bromofluorobenzene	92.7		0	67.4-123	%REC	162199	1	06/05/2012 11:21	SB	
Surr: Dibromofluoromethane			115	0	75.5-128	%REC	162199	1	06/05/2012 11:21	SB
Surr: Toluene-d8			85.2	0	70-120	%REC	162199	1	06/05/2012 11:21	SB
POLYCHLORINATED BIPHENYLS SW8082A										
(SW3510C)										
Aroclor 1016	BRL		0.089	0.50	ug/L	162225	1	06/05/2012 14:27	SN	
Aroclor 1221	BRL		0.20	0.50	ug/L	162225	1	06/05/2012 14:27	SN	
Aroclor 1232	BRL		0.14	0.50	ug/L	162225	1	06/05/2012 14:27	SN	
Aroclor 1242	BRL		0.15	0.50	ug/L	162225	1	06/05/2012 14:27	SN	
Aroclor 1248	BRL		0.091	0.50	ug/L	162225	1	06/05/2012 14:27	SN	
Aroclor 1254	BRL		0.100	0.50	ug/L	162225	1	06/05/2012 14:27	SN	
Aroclor 1260	BRL		0.13	0.50	ug/L	162225	1	06/05/2012 14:27	SN	
Surr: Decachlorobiphenyl	36		0	15.5-128	%REC	162225	1	06/05/2012 14:27	SN	
Surr: Tetrachloro-m-xylene	91.8		0	17.3-125	%REC	162225	1	06/05/2012 14:27	SN	
POLYAROMATIC HYDROCARBONS SW8270D										
(SW3535A)										
Naphthalene	BRL		2.0	10	ug/L	162230	1	06/04/2012 19:52	EI	
Acenaphthylene	BRL		1.2	10	ug/L	162230	1	06/04/2012 19:52	EI	
1-Methylnaphthalene	BRL		1.6	10	ug/L	162230	1	06/04/2012 19:52	EI	
2-Methylnaphthalene	BRL		2.1	10	ug/L	162230	1	06/04/2012 19:52	EI	
Acenaphthene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:52	EI	
Fluorene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:52	EI	
Phenanthrene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:52	EI	
Anthracene	BRL		1.6	10	ug/L	162230	1	06/04/2012 19:52	EI	
Fluoranthene	BRL		1.7	10	ug/L	162230	1	06/04/2012 19:52	EI	
Pyrene	BRL		1.4	10	ug/L	162230	1	06/04/2012 19:52	EI	
Benz(a)anthracene	BRL		1.3	10	ug/L	162230	1	06/04/2012 19:52	EI	
Chrysene	BRL		1.9	10	ug/L	162230	1	06/04/2012 19:52	EI	
Benzo(b)fluoranthene	BRL		0.94	10	ug/L	162230	1	06/04/2012 19:52	EI	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-4						
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 2:35:00 PM						
Lab ID:	1206111-003	Matrix:	Groundwater						
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS		SW8270D (SW3535A)							
Benzo(k)fluoranthene	BRL	2.5	10	ug/L	162230	1	06/04/2012 19:52	EI	
Benzo(a)pyrene	BRL	1.5	10	ug/L	162230	1	06/04/2012 19:52	EI	
Dibenz(a,h)anthracene	BRL	1.5	10	ug/L	162230	1	06/04/2012 19:52	EI	
Benzo(g,h,i)perylene	BRL	1.8	10	ug/L	162230	1	06/04/2012 19:52	EI	
Indeno(1,2,3-cd)pyrene	BRL	1.3	10	ug/L	162230	1	06/04/2012 19:52	EI	
Surr: Nitrobenzene-d5	51.6	0	30.3-122	%REC	162230	1	06/04/2012 19:52	EI	
Surr: 2-Fluorobiphenyl	54.1	0	41-120	%REC	162230	1	06/04/2012 19:52	EI	
Surr: 4-Terphenyl-d14	87.5	0	55.9-122	%REC	162230	1	06/04/2012 19:52	EI	
METALS, DISSOLVED		SW6010C (SW3005A)							
Arsenic	BRL	0.0016	0.0500	mg/L	162291	1	06/05/2012 14:53	TA	
Barium	0.0605	0.0019	0.0200	mg/L	162291	1	06/05/2012 14:53	TA	
Cadmium	BRL	0.0003	0.0050	mg/L	162291	1	06/05/2012 14:53	TA	
Chromium	BRL	0.0006	0.0100	mg/L	162291	1	06/05/2012 14:53	TA	
Lead	BRL	0.0016	0.0100	mg/L	162291	1	06/05/2012 14:53	TA	
Selenium	BRL	0.0044	0.0200	mg/L	162291	1	06/05/2012 14:53	TA	
Silver	BRL	0.0006	0.0100	mg/L	162291	1	06/05/2012 14:53	TA	
Mercury, Total		SW7470A (SW7470A)							
Mercury	BRL	0.00007	0.00020	mg/L	162220	1	06/04/2012 14:12	MW	
Mercury, Dissolved		SW7470A (SW7470A)							
Mercury	BRL	0.00007	0.00020	mg/L	162221	1	06/04/2012 14:40	MW	
CHLORINATED PESTICIDES, TCL		SW8081B (SW3510C)							
4,4'-DDD	BRL	0.012	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
4,4'-DDE	BRL	0.015	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
4,4'-DDT	BRL	0.0063	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
Aldrin	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
alpha-BHC	BRL	0.0035	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
alpha-Chlordane	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
beta-BHC	BRL	0.0060	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
delta-BHC	BRL	0.0041	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
Diethyltin	BRL	0.015	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
Endosulfan I	BRL	0.0082	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
Endosulfan II	BRL	0.010	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
Endosulfan sulfate	BRL	0.0088	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
Endrin	BRL	0.0091	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
Endrin aldehyde	BRL	0.012	0.10	ug/L	162226	1	06/05/2012 13:25	KD	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

NC Not confirmed

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-4
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012 2:35:00 PM
Lab ID:	1206111-003	Matrix:	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B									
(SW3510C)									
Endrin ketone	BRL	0.025	0.10	ug/L	162226	1	06/05/2012 13:25	KD	
gamma-BHC	BRL	0.0047	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
gamma-Chlordane	BRL	0.0085	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
Heptachlor	BRL	0.0097	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
Heptachlor epoxide	BRL	0.0044	0.050	ug/L	162226	1	06/05/2012 13:25	KD	
Methoxychlor	BRL	0.039	0.50	ug/L	162226	1	06/05/2012 13:25	KD	
Toxaphene	BRL	0.10	5.0	ug/L	162226	1	06/05/2012 13:25	KD	
Surr: Decachlorobiphenyl	23.6	0	16.4-114	%REC	162226	1	06/05/2012 13:25	KD	
Surr: Tetrachloro-m-xylene	60.8	0	18.4-120	%REC	162226	1	06/05/2012 13:25	KD	
METALS, TOTAL SW6010C									
(SW3010A)									
Arsenic	BRL	0.0016	0.0500	mg/L	162237	1	06/05/2012 14:05	TA	
Barium	0.119	0.0019	0.0200	mg/L	162237	1	06/05/2012 14:05	TA	
Cadmium	BRL	0.0003	0.0050	mg/L	162237	1	06/05/2012 14:05	TA	
Chromium	0.0115	0.0006	0.0100	mg/L	162237	1	06/05/2012 14:05	TA	
Lead	0.0178	0.0016	0.0100	mg/L	162237	1	06/05/2012 14:05	TA	
Selenium	BRL	0.0044	0.0200	mg/L	162237	1	06/05/2012 14:05	TA	
Silver	BRL	0.0006	0.0100	mg/L	162237	1	06/05/2012 14:05	TA	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

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NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012
Lab ID:	1206111-004	Matrix:	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B									
1,1,1-Trichloroethane	BRL	0.40	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,1,2,2-Tetrachloroethane	BRL	0.18	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,1,2-Trichloroethane	BRL	0.38	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,1-Dichloroethane	BRL	0.19	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,1-Dichloroethene	BRL	0.79	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,2,4-Trichlorobenzene	BRL	0.30	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,2-Dibromo-3-chloropropane	BRL	0.78	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,2-Dibromoethane	BRL	0.32	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,2-Dichlorobenzene	BRL	0.27	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,2-Dichloroethane	BRL	0.22	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,2-Dichloropropane	BRL	0.29	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,3-Dichlorobenzene	BRL	0.17	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
1,4-Dichlorobenzene	BRL	0.20	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
2-Butanone	BRL	1.3	50	ug/L	162199	1	06/04/2012 12:09	DB	
2-Hexanone	BRL	0.46	10	ug/L	162199	1	06/04/2012 12:09	DB	
4-Methyl-2-pentanone	BRL	0.39	10	ug/L	162199	1	06/04/2012 12:09	DB	
Acetone	BRL	2.0	50	ug/L	162199	1	06/04/2012 12:09	DB	
Benzene	BRL	0.41	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Bromodichloromethane	BRL	0.20	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Bromoform	BRL	0.32	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Bromomethane	BRL	0.52	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Carbon disulfide	BRL	1.5	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Carbon tetrachloride	BRL	0.53	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Chlorobenzene	BRL	0.15	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Chloroethane	BRL	0.69	10	ug/L	162199	1	06/04/2012 12:09	DB	
Chloroform	BRL	0.23	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Chloromethane	BRL	0.49	10	ug/L	162199	1	06/04/2012 12:09	DB	
cis-1,2-Dichloroethene	BRL	0.31	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
cis-1,3-Dichloropropene	BRL	0.54	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Cyclohexane	BRL	0.25	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Dibromochloromethane	BRL	0.51	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Dichlorodifluoromethane	BRL	1.2	10	ug/L	162199	1	06/04/2012 12:09	DB	
Ethylbenzene	BRL	0.37	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Freon-113	BRL	0.77	10	ug/L	162199	1	06/04/2012 12:09	DB	
Isopropylbenzene	BRL	0.37	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
m,p-Xylene	BRL	0.72	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Methyl acetate	BRL	0.62	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Methyl tert-butyl ether	BRL	0.35	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Methylcyclohexane	BRL	0.70	5.0	ug/L	162199	1	06/04/2012 12:09	DB	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

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B Analyte detected in the associated method blank

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E Estimated value above quantitation range

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Narr See case narrative

Analytical Environmental Services, Inc
Date: 18-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Road	Collection Date:	6/1/2012
Lab ID:	1206111-004	Matrix:	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL	2.3	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
o-Xylene	BRL	0.42	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Styrene	BRL	0.64	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Tetrachloroethene	BRL	0.47	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Toluene	BRL	0.30	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
trans-1,2-Dichloroethene	BRL	0.47	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
trans-1,3-Dichloropropene	BRL	0.56	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Trichloroethene	BRL	0.38	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Trichlorofluoromethane	BRL	1.1	5.0	ug/L	162199	1	06/04/2012 12:09	DB	
Vinyl chloride	BRL	0.69	2.0	ug/L	162199	1	06/04/2012 12:09	DB	
Surr: 4-Bromofluorobenzene	83.7	0	67.4-123	%REC	162199	1	06/04/2012 12:09	DB	
Surr: Dibromofluoromethane	98.5	0	75.5-128	%REC	162199	1	06/04/2012 12:09	DB	
Surr: Toluene-d8	85	0	70-120	%REC	162199	1	06/04/2012 12:09	DB	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMECWork Order Number 1206111Checklist completed by LL M Date 06/01/2012

Signature

Carrier name: FedEx UPS Courier Client US Mail Other _____Shipping container/coolers in good condition? Yes No Not Present Custody seals intact on shipping container/coolers? 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 4,5 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler #5 _____ Cooler #6 _____Chain of custody present? Yes No Chain of custody signed when relinquished and received? Yes No Chain of custody agrees with sample labels? Yes No Samples in proper container/bottle? Yes No Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No All samples received within holding time? Yes No Was TAT marked on the COC? Yes No Proceed with Standard TAT as per project history? Yes No Not Applicable Water - VOA vials have zero headspace? No VOA vials submitted Yes No Water - pH acceptable upon receipt? Yes No Not Applicable Adjusted? _____ Checked by BNSample Condition: Good Other(Explain) _____(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client:	AMEC E&I, Inc.	Dates Report				
Project:	1071 Howell Mill Road					
Lab Order:	1206111					

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1206111-001A	MW-3	6/1/2012 11:00:00AM	Groundwater	TCL VOLATILE ORGANICS		06/01/2012	06/04/2012
1206111-001B	MW-3	6/1/2012 11:00:00AM	Groundwater	TOTAL METALS BY ICP		06/04/2012	06/05/2012
1206111-001B	MW-3	6/1/2012 11:00:00AM	Groundwater	TOTAL MERCURY		06/04/2012	06/04/2012
1206111-001C	MW-3	6/1/2012 11:00:00AM	Groundwater	DISSOLVED METALS BY ICP		06/05/2012	06/05/2012
1206111-001C	MW-3	6/1/2012 11:00:00AM	Groundwater	MERCURY, DISSOLVED		06/04/2012	06/04/2012
1206111-001D	MW-3	6/1/2012 11:00:00AM	Groundwater	TCL-CHLORINATED PESTICIDES		06/05/2012	06/05/2012
1206111-001D	MW-3	6/1/2012 11:00:00AM	Groundwater	POLYCHLORINATED BIPHENYLS		06/05/2012	06/05/2012
1206111-001D	MW-3	6/1/2012 11:00:00AM	Groundwater	POLYNUCLEAR AROMATIC HYDROCARBONS		06/04/2012	06/04/2012
1206111-002A	MW-5	6/1/2012 12:50:00PM	Groundwater	TCL VOLATILE ORGANICS		06/01/2012	06/04/2012
1206111-002B	MW-5	6/1/2012 12:50:00PM	Groundwater	TOTAL METALS BY ICP		06/04/2012	06/05/2012
1206111-002B	MW-5	6/1/2012 12:50:00PM	Groundwater	TOTAL MERCURY		06/04/2012	06/04/2012
1206111-002C	MW-5	6/1/2012 12:50:00PM	Groundwater	DISSOLVED METALS BY ICP		06/05/2012	06/05/2012
1206111-002C	MW-5	6/1/2012 12:50:00PM	Groundwater	MERCURY, DISSOLVED		06/04/2012	06/04/2012
1206111-002D	MW-5	6/1/2012 12:50:00PM	Groundwater	TCL-CHLORINATED PESTICIDES		06/05/2012	06/05/2012
1206111-002D	MW-5	6/1/2012 12:50:00PM	Groundwater	POLYCHLORINATED BIPHENYLS		06/05/2012	06/05/2012
1206111-002D	MW-5	6/1/2012 12:50:00PM	Groundwater	POLYNUCLEAR AROMATIC HYDROCARBONS		06/04/2012	06/04/2012
1206111-003A	MW-4	6/1/2012 2:35:00PM	Groundwater	TCL VOLATILE ORGANICS		06/01/2012	06/05/2012
1206111-003B	MW-4	6/1/2012 2:35:00PM	Groundwater	TOTAL METALS BY ICP		06/04/2012	06/05/2012
1206111-003B	MW-4	6/1/2012 2:35:00PM	Groundwater	TOTAL MERCURY		06/04/2012	06/04/2012
1206111-003C	MW-4	6/1/2012 2:35:00PM	Groundwater	DISSOLVED METALS BY ICP		06/05/2012	06/05/2012
1206111-003C	MW-4	6/1/2012 2:35:00PM	Groundwater	MERCURY, DISSOLVED		06/04/2012	06/04/2012
1206111-003D	MW-4	6/1/2012 2:35:00PM	Groundwater	TCL-CHLORINATED PESTICIDES		06/05/2012	06/05/2012
1206111-003D	MW-4	6/1/2012 2:35:00PM	Groundwater	POLYCHLORINATED BIPHENYLS		06/05/2012	06/05/2012
1206111-003D	MW-4	6/1/2012 2:35:00PM	Groundwater	POLYNUCLEAR AROMATIC HYDROCARBONS		06/04/2012	06/04/2012
1206111-004A	TRIP BLANK	6/1/2012 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		06/01/2012	06/04/2012

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162199**

Sample ID: MB-162199	Client ID:	Units: ug/L			Prep Date:	06/01/2012	Run No: 222386				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 162199			Analysis Date:	06/01/2012	Seq No: 4651977				
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	0
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	0
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	0
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	0
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	0
1,2,4-Trichlorobenzene	BRL	5.0	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	0
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	0
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	0
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	0
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	0
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	0
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	0
Acetone	BRL	50	0	0	0	0	0	0	0	0	0
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	0
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	0
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	0
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	0
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	0
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	0
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	0
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	0
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	0

Qualifiers: > Greater than Result value

< Less than Result value

B Analyte detected in the associated method blank

BRL Below reporting limit

E Estimated (value above quantitation range)

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

R RPD outside limits due to matrix

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162199**

Sample ID: MB-162199	Client ID:	Units: ug/L			Prep Date:	06/01/2012	Run No:	222386			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 162199			Analysis Date:	06/01/2012	Seq No:	4651977			
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	0
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	0
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	0
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	0
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	0
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
Freon-113	BRL	10	0	0	0	0	0	0	0	0	0
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	0
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	0
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	0
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	0
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	0
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	0
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	0
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	0
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	0
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	0
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	0
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	0
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	0
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	0
Surr: 4-Bromofluorobenzene	39.27	0	50	0	78.5	67.4	123	0	0	0	0
Surr: Dibromofluoromethane	49.92	0	50	0	99.8	75.5	128	0	0	0	0
Surr: Toluene-d8	44.24	0	50	0	88.5	70	120	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: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162199**

Sample ID: LCS-162199	Client ID:					Units: ug/L	Prep Date: 06/01/2012	Run No: 222386			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 162199	Analysis Date: 06/01/2012	Seq No: 4651979			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.80	5.0	50	0	104	60	140	0	0	0	
Benzene	50.82	5.0	50	0	102	70	130	0	0	0	
Chlorobenzene	51.18	5.0	50	0	102	70	130	0	0	0	
Toluene	51.28	5.0	50	0	103	70	130	0	0	0	
Trichloroethene	51.92	5.0	50	0	104	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	53.02	0	50	0	106	67.4	123	0	0	0	
Surr: Dibromofluoromethane	47.01	0	50	0	94	75.5	128	0	0	0	
Surr: Toluene-d8	46.41	0	50	0	92.8	70	120	0	0	0	
Sample ID: 1205N82-012AMS	Client ID:					Units: ug/L	Prep Date: 06/01/2012	Run No: 222386			
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 162199	Analysis Date: 06/01/2012	Seq No: 4651981			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2661	250	2500	0	106	50.1	179	0	0	0	
Benzene	2555	250	2500	0	102	61.2	150	0	0	0	
Chlorobenzene	2585	250	2500	0	103	72.1	140	0	0	0	
Toluene	2542	250	2500	0	102	58.7	154	0	0	0	
Trichloroethene	2724	250	2500	194.5	101	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	2512	0	2500	0	100	67.4	123	0	0	0	
Surr: Dibromofluoromethane	2288	0	2500	0	91.5	75.5	128	0	0	0	
Surr: Toluene-d8	2316	0	2500	0	92.6	70	120	0	0	0	
Sample ID: 1205N82-012AMSD	Client ID:					Units: ug/L	Prep Date: 06/01/2012	Run No: 222386			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 162199	Analysis Date: 06/01/2012	Seq No: 4651983			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3004	250	2500	0	120	50.1	179	2661	12.1	23.3	
Benzene	2637	250	2500	0	105	61.2	150	2555	3.16	19	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162199**

Sample ID: 1205N82-012AMSD	Client ID:				Units: ug/L	Prep Date: 06/01/2012	Run No: 222386				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 162199	Analysis Date: 06/01/2012	Seq No: 4651983				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2723	250	2500	0	109	72.1	140	2585	5.2	21.5	
Toluene	2642	250	2500	0	106	58.7	154	2542	3.88	20	
Trichloroethene	2956	250	2500	194.5	110	68.3	149	2724	8.13	17.7	
Surr: 4-Bromofluorobenzene	2489	0	2500	0	99.6	67.4	123	2512	0	0	
Surr: Dibromofluoromethane	2284	0	2500	0	91.4	75.5	128	2288	0	0	
Surr: Toluene-d8	2294	0	2500	0	91.7	70	120	2316	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162220**

Sample ID: MB-162220	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222502				
SampleType: MLBK	TestCode: Mercury, Total SW7470A				BatchID: 162220	Analysis Date: 06/04/2012	Seq No: 4654647				
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	0
Sample ID: LCS-162220	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222502				
SampleType: LCS	TestCode: Mercury, Total SW7470A				BatchID: 162220	Analysis Date: 06/04/2012	Seq No: 4654648				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005013	0.00020	0.005	0	100	85	115	0	0	0	0
Sample ID: 1205O57-003AMS	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222502				
SampleType: MS	TestCode: Mercury, Total SW7470A				BatchID: 162220	Analysis Date: 06/04/2012	Seq No: 4654650				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004833	0.00020	0.005	0	96.7	70	130	0	0	0	0
Sample ID: 1205O57-003AMSD	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222502				
SampleType: MSD	TestCode: Mercury, Total SW7470A				BatchID: 162220	Analysis Date: 06/04/2012	Seq No: 4654651				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004927	0.00020	0.005	0	98.5	70	130	0.004833	1.93	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162221**

Sample ID: MB-162221	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222511				
SampleType: MLBK	TestCode: Mercury, Dissolved SW7470A				BatchID: 162221	Analysis Date: 06/04/2012	Seq No: 4654793				
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	0
Sample ID: LCS-162221	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222511				
SampleType: LCS	TestCode: Mercury, Dissolved SW7470A				BatchID: 162221	Analysis Date: 06/04/2012	Seq No: 4654795				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005242	0.00020	0.005	0	105	85	115	0	0	0	0
Sample ID: 1206111-001CMS	Client ID: MW-3				Units: mg/L	Prep Date: 06/04/2012	Run No: 222511				
SampleType: MS	TestCode: Mercury, Dissolved SW7470A				BatchID: 162221	Analysis Date: 06/04/2012	Seq No: 4654797				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005208	0.00020	0.005	0	104	70	130	0	0	0	0
Sample ID: 1206111-001CMSP	Client ID: MW-3				Units: mg/L	Prep Date: 06/04/2012	Run No: 222511				
SampleType: MSD	TestCode: Mercury, Dissolved SW7470A				BatchID: 162221	Analysis Date: 06/04/2012	Seq No: 4654800				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005164	0.00020	0.005	0	103	70	130	0.005208	0.855	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162225**

Sample ID: MB-162225	Client ID:	Units: ug/L			Prep Date:	06/05/2012	Run No:	222596			
SampleType: MLBK	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 162225			Analysis Date:	06/05/2012	Seq No:	4656343			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1221	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1232	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1242	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1248	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1254	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1260	BRL	0.50	0	0	0	0	0	0	0	0	0
Surr: Decachlorobiphenyl	0.4817	0	0.5	0	96.3	15.5	128	0	0	0	0
Surr: Tetrachloro-m-xylene	0.4780	0	0.5	0	95.6	17.3	125	0	0	0	0

Sample ID: LCS-162225	Client ID:	Units: ug/L			Prep Date:	06/05/2012	Run No:	222596			
SampleType: LCS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 162225			Analysis Date:	06/05/2012	Seq No:	4656344			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	4.865	0.50	5	0	97.3	56.3	135	0	0	0	0
Aroclor 1260	5.319	0.50	5	0	106	62.6	135	0	0	0	0
Surr: Decachlorobiphenyl	0.4840	0	0.5	0	96.8	15.5	128	0	0	0	0
Surr: Tetrachloro-m-xylene	0.4611	0	0.5	0	92.2	17.3	125	0	0	0	0

Sample ID: 1206111-002DMS	Client ID: MW-5	Units: ug/L			Prep Date:	06/05/2012	Run No:	222596			
SampleType: MS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 162225			Analysis Date:	06/05/2012	Seq No:	4656355			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	4.048	0.50	5	0	81	33.8	140	0	0	0	0
Aroclor 1260	5.193	0.50	5	0	104	33.3	140	0	0	0	0
Surr: Decachlorobiphenyl	0.4452	0	0.5	0	89	15.5	128	0	0	0	0
Surr: Tetrachloro-m-xylene	0.1824	0	0.5	0	36.5	17.3	125	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162225**

Sample ID: 1206111-002DMSD	Client ID: MW-5	Units: ug/L			Prep Date: 06/05/2012	Run No: 222596					
SampleType: MSD	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 162225			Analysis Date: 06/05/2012	Seq No: 4656357					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	4.951	0.50	5	0	99	33.8	140	4.048	20.1	19.2	R
Aroclor 1260	5.293	0.50	5	0	106	33.3	140	5.193	1.9	19.4	
Surr: Decachlorobiphenyl	0.4379	0	0.5	0	87.6	15.5	128	0.4452	0	0	
Surr: Tetrachloro-m-xylene	0.4424	0	0.5	0	88.5	17.3	125	0.1824	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162226**

Sample ID: MB-162226	Client ID:					Units: ug/L	Prep Date: 06/05/2012	Run No: 222571
SampleType: MLBK	TestCode: CHLORINATED PESTICIDES, TCL SW8081B					BatchID: 162226	Analysis Date: 06/05/2012	Seq No: 4655859
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
4,4'-DDD	BRL	0.10	0	0	0	0	0	0
4,4'-DDE	BRL	0.10	0	0	0	0	0	0
4,4'-DDT	BRL	0.10	0	0	0	0	0	0
Aldrin	BRL	0.050	0	0	0	0	0	0
alpha-BHC	BRL	0.050	0	0	0	0	0	0
alpha-Chlordane	BRL	0.050	0	0	0	0	0	0
beta-BHC	BRL	0.050	0	0	0	0	0	0
delta-BHC	BRL	0.050	0	0	0	0	0	0
Dieldrin	BRL	0.10	0	0	0	0	0	0
Endosulfan I	BRL	0.050	0	0	0	0	0	0
Endosulfan II	BRL	0.10	0	0	0	0	0	0
Endosulfan sulfate	BRL	0.10	0	0	0	0	0	0
Endrin	BRL	0.10	0	0	0	0	0	0
Endrin aldehyde	BRL	0.10	0	0	0	0	0	0
Endrin ketone	BRL	0.10	0	0	0	0	0	0
gamma-BHC	BRL	0.050	0	0	0	0	0	0
gamma-Chlordane	BRL	0.050	0	0	0	0	0	0
Heptachlor	BRL	0.050	0	0	0	0	0	0
Heptachlor epoxide	BRL	0.050	0	0	0	0	0	0
Methoxychlor	BRL	0.50	0	0	0	0	0	0
Toxaphene	BRL	5.0	0	0	0	0	0	0
Surr: Decachlorobiphenyl	0.3570	0	0.5	0	71.4	16.4	114	0
Surr: Tetrachloro-m-xylene	0.3153	0	0.5	0	63.1	18.4	120	0

Sample ID: LCS-162226	Client ID:					Units: ug/L	Prep Date: 06/05/2012	Run No: 222571
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B					BatchID: 162226	Analysis Date: 06/05/2012	Seq No: 4656057
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified		R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix			

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162226**

Sample ID: LCS-162226	Client ID:				Units: ug/L	Prep Date:	06/05/2012	Run No: 222571			
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 162226	Analysis Date:	06/05/2012	Seq No: 4656057			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.9004	0.10	1	0	90	53.1	133	0	0	0
Aldrin	0.8575	0.050	1	0	85.7	42.4	114	0	0	0
Dieldrin	0.9291	0.10	1	0	92.9	54.1	132	0	0	0
Endrin	0.7773	0.10	1	0	77.7	53.7	136	0	0	0
gamma-BHC	0.9368	0.050	1	0	93.7	44	133	0	0	0
Heptachlor	0.8496	0.050	1	0	85	41.1	124	0	0	0
Surr: Decachlorobiphenyl	0.3435	0	0.5	0	68.7	16.4	114	0	0	0
Surr: Tetrachloro-m-xylene	0.3573	0	0.5	0	71.5	18.4	120	0	0	0

Sample ID: 1206111-001DMS	Client ID: MW-3				Units: ug/L	Prep Date:	06/05/2012	Run No: 222571			
SampleType: MS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 162226	Analysis Date:	06/05/2012	Seq No: 4655891			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.9244	0.10	1	0	92.4	26.6	137	0	0	0
Aldrin	0.7295	0.050	1	0	72.9	26.1	117	0	0	0
Dieldrin	0.8403	0.10	1	0	84	38.5	135	0	0	0
Endrin	0.8095	0.10	1	0	81	48.9	138	0	0	0
gamma-BHC	0.7808	0.050	1	0	78.1	36.8	137	0	0	0
Heptachlor	0.7408	0.050	1	0	74.1	33.2	123	0	0	0
Surr: Decachlorobiphenyl	0.2586	0	0.5	0	51.7	16.4	114	0	0	0
Surr: Tetrachloro-m-xylene	0.2258	0	0.5	0	45.2	18.4	120	0	0	0

Sample ID: 1206111-001DMSD	Client ID: MW-3				Units: ug/L	Prep Date:	06/05/2012	Run No: 222571			
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 162226	Analysis Date:	06/05/2012	Seq No: 4655895			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.8760	0.10	1	0	87.6	26.6	137	0.9244	5.37	37.8
Aldrin	0.7936	0.050	1	0	79.4	26.1	117	0.7295	8.42	38.3

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162226**

Sample ID: 1206111-001DMSD	Client ID: MW-3					Units: ug/L	Prep Date: 06/05/2012	Run No: 222571			
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, TCL SW8081B					BatchID: 162226	Analysis Date: 06/05/2012	Seq No: 4655895			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	0.8184	0.10	1	0	81.8	38.5	135	0.8403	2.64	25.2	
Endrin	0.7832	0.10	1	0	78.3	48.9	138	0.8095	3.3	28	
gamma-BHC	0.8429	0.050	1	0	84.3	36.8	137	0.7808	7.65	36.5	
Heptachlor	0.8174	0.050	1	0	81.7	33.2	123	0.7408	9.84	40.2	
Surr: Decachlorobiphenyl	0.2342	0	0.5	0	46.8	16.4	114	0.2586	0	0	
Surr: Tetrachloro-m-xylene	0.3350	0	0.5	0	67	18.4	120	0.2258	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162230**

Sample ID: MB-162230	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 06/04/2012	Run No: 222505				
SampleType: MBLK					BatchID: 162230	Analysis Date: 06/04/2012	Seq No: 4654704				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	0
2-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	0
Acenaphthene	BRL	10	0	0	0	0	0	0	0	0	0
Acenaphthylene	BRL	10	0	0	0	0	0	0	0	0	0
Anthracene	BRL	10	0	0	0	0	0	0	0	0	0
Benz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(a)pyrene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(b)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(g,h,i)perylene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(k)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	0
Chrysene	BRL	10	0	0	0	0	0	0	0	0	0
Dibenz(a,h)anthracene	BRL	10	0	0	0	0	0	0	0	0	0
Fluoranthene	BRL	10	0	0	0	0	0	0	0	0	0
Fluorene	BRL	10	0	0	0	0	0	0	0	0	0
Indeno(1,2,3-cd)pyrene	BRL	10	0	0	0	0	0	0	0	0	0
Naphthalene	BRL	10	0	0	0	0	0	0	0	0	0
Phenanthrene	BRL	10	0	0	0	0	0	0	0	0	0
Pyrene	BRL	10	0	0	0	0	0	0	0	0	0
Surr: 2-Fluorobiphenyl	36.73	0	50	0	73.5	41	120	0	0	0	0
Surr: 4-Terphenyl-d14	48.84	0	50	0	97.7	55.9	122	0	0	0	0
Surr: Nitrobenzene-d5	35.82	0	50	0	71.6	30.3	122	0	0	0	0

Sample ID: LCS-162230	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 06/04/2012	Run No: 222505				
SampleType: LCS					BatchID: 162230	Analysis Date: 06/04/2012	Seq No: 4654708				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	36.01	10	50	0	72	53	120	0	0	0	0
2-Methylnaphthalene	36.09	10	50	0	72.2	51.4	120	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162230**

Sample ID: LCS-162230	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date:	06/04/2012	Run No: 222505			
SampleType: LCS					BatchID: 162230	Analysis Date:	06/04/2012	Seq No: 4654708			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	34.79	10	50	0	69.6	49.2	120	0	0	0	
Acenaphthylene	40.69	10	50	0	81.4	55.3	118	0	0	0	
Anthracene	41.09	10	50	0	82.2	56.6	120	0	0	0	
Benz(a)anthracene	41.24	10	50	0	82.5	52.1	120	0	0	0	
Benzo(a)pyrene	40.99	10	50	0	82	57.4	120	0	0	0	
Benzo(b)fluoranthene	40.64	10	50	0	81.3	50.8	120	0	0	0	
Benzo(g,h,i)perylene	39.85	10	50	0	79.7	55	120	0	0	0	
Benzo(k)fluoranthene	41.94	10	50	0	83.9	52.7	120	0	0	0	
Chrysene	41.39	10	50	0	82.8	51.1	120	0	0	0	
Dibenz(a,h)anthracene	39.96	10	50	0	79.9	57.4	120	0	0	0	
Fluoranthene	43.76	10	50	0	87.5	60.3	115	0	0	0	
Fluorene	37.04	10	50	0	74.1	50.9	120	0	0	0	
Indeno(1,2,3-cd)pyrene	39.50	10	50	0	79	54.8	120	0	0	0	
Naphthalene	35.47	10	50	0	70.9	51.6	120	0	0	0	
Phenanthrene	41.58	10	50	0	83.2	55	120	0	0	0	
Pyrene	42.09	10	50	0	84.2	54.1	120	0	0	0	
Surr: 2-Fluorobiphenyl	40.66	0	50	0	81.3	41	120	0	0	0	
Surr: 4-Terphenyl-d14	53.81	0	50	0	108	55.9	122	0	0	0	
Surr: Nitrobenzene-d5	36.70	0	50	0	73.4	30.3	122	0	0	0	

Sample ID: 1206136-004BMS	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date:	06/04/2012	Run No: 222505			
SampleType: MS					BatchID: 162230	Analysis Date:	06/04/2012	Seq No: 4655269			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	25.37	10	50	0	50.7	40.3	120	0	0	0	
2-Methylnaphthalene	24.45	10	50	0	48.9	40	120	0	0	0	
Acenaphthene	26.95	10	50	0	53.9	41.2	120	0	0	0	
Acenaphthylene	31.02	10	50	0	62	43.6	117	0	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162230**

Sample ID: 1206136-004BMS	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 06/04/2012	Run No: 222505				
SampleType: MS					BatchID: 162230	Analysis Date: 06/04/2012	Seq No: 4655269				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	35.70	10	50	0	71.4	45.7	120	0	0	0	
Benz(a)anthracene	37.00	10	50	0	74	47.3	120	0	0	0	
Benzo(a)pyrene	35.80	10	50	0	71.6	47.9	120	0	0	0	
Benzo(b)fluoranthene	37.54	10	50	0	75.1	46.8	120	0	0	0	
Benzo(g,h,i)perylene	35.97	10	50	0	71.9	47.7	120	0	0	0	
Benzo(k)fluoranthene	35.28	10	50	0	70.6	47.6	120	0	0	0	
Chrysene	36.86	10	50	0	73.7	50.1	120	0	0	0	
Dibenz(a,h)anthracene	35.16	10	50	0	70.3	48.4	120	0	0	0	
Fluoranthene	39.34	10	50	0	78.7	50.7	121	0	0	0	
Fluorene	30.01	10	50	0	60	45.3	120	0	0	0	
Indeno(1,2,3-cd)pyrene	35.60	10	50	0	71.2	50.3	120	0	0	0	
Naphthalene	22.38	10	50	0	44.8	33.9	120	0	0	0	
Phenanthrene	35.13	10	50	0	70.3	50.5	120	0	0	0	
Pyrene	39.05	10	50	0	78.1	56.6	118	0	0	0	
Surr: 2-Fluorobiphenyl	25.08	0	50	0	50.2	41	120	0	0	0	
Surr: 4-Terphenyl-d14	43.01	0	50	0	86	55.9	122	0	0	0	
Surr: Nitrobenzene-d5	21.14	0	50	0	42.3	30.3	122	0	0	0	

Sample ID: 1206136-004BMSD	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 06/04/2012	Run No: 222575				
SampleType: MSD					BatchID: 162230	Analysis Date: 06/05/2012	Seq No: 4655960				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	26.85	10	50	0	53.7	40.3	120	25.37	5.67	36.8	
2-Methylnaphthalene	24.92	10	50	0	49.8	40	120	24.45	1.9	34.9	
Acenaphthene	25.87	10	50	0	51.7	41.2	120	26.95	4.09	29.6	
Acenaphthylene	30.60	10	50	0	61.2	43.6	117	31.02	1.36	31	
Anthracene	34.16	10	50	0	68.3	45.7	120	35.70	4.41	23.2	
Benz(a)anthracene	37.16	10	50	0	74.3	47.3	120	37.00	0.431	23.5	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162230**

Sample ID: 1206136-004BMSD	Client ID:				Units: ug/L	Prep Date:	06/04/2012	Run No: 222575
SampleType: MSD	TestCode: POLYAROMATIC HYDROCARBONS	SW8270D			BatchID: 162230	Analysis Date:	06/05/2012	Seq No: 4655960
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Benzo(a)pyrene	36.64	10	50	0	73.3	47.9	120	35.80
Benzo(b)fluoranthene	37.13	10	50	0	74.3	46.8	120	37.54
Benzo(g,h,i)perylene	37.40	10	50	0	74.8	47.7	120	35.97
Benzo(k)fluoranthene	36.76	10	50	0	73.5	47.6	120	35.28
Chrysene	36.31	10	50	0	72.6	50.1	120	36.86
Dibenz(a,h)anthracene	38.05	10	50	0	76.1	48.4	120	35.16
Fluoranthene	40.94	10	50	0	81.9	50.7	121	39.34
Fluorene	29.62	10	50	0	59.2	45.3	120	30.01
Indeno(1,2,3-cd)pyrene	37.47	10	50	0	74.9	50.3	120	35.60
Naphthalene	22.39	10	50	0	44.8	33.9	120	22.38
Phenanthrene	35.79	10	50	0	71.6	50.5	120	35.13
Pyrene	40.00	10	50	0	80	56.6	118	39.05
Surr: 2-Fluorobiphenyl	24.34	0	50	0	48.7	41	120	25.08
Surr: 4-Terphenyl-d14	44.44	0	50	0	88.9	55.9	122	43.01
Surr: Nitrobenzene-d5	22.66	0	50	0	45.3	30.3	122	21.14

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162237**

Sample ID: MB-162237	Client ID:	Units: mg/L	Prep Date:	06/04/2012	Run No: 222561
SampleType: MLBK	TestCode: METALS, TOTAL SW6010C	BatchID: 162237	Analysis Date:	06/05/2012	Seq No: 4655874
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	0
Barium	BRL	0.0200	0	0	0	0	0	0	0	0	0
Cadmium	0.000429	0.0050	0	0	0	0	0	0	0	0	J
Chromium	BRL	0.0100	0	0	0	0	0	0	0	0	0
Lead	BRL	0.0100	0	0	0	0	0	0	0	0	0
Selenium	BRL	0.0200	0	0	0	0	0	0	0	0	0
Silver	BRL	0.0100	0	0	0	0	0	0	0	0	0

Sample ID: LCS-162237	Client ID:	Units: mg/L	Prep Date:	06/04/2012	Run No: 222561						
SampleType: LCS	TestCode: METALS, TOTAL SW6010C	BatchID: 162237	Analysis Date:	06/05/2012	Seq No: 4655873						
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	1.041	0.0500	1	0	104	80	120	0	0	0	0
Barium	1.047	0.0200	1	0	105	80	120	0	0	0	0
Cadmium	1.045	0.0050	1	0.0004294	104	80	120	0	0	0	0
Chromium	1.044	0.0100	1	0	104	80	120	0	0	0	0
Lead	1.024	0.0100	1	0	102	80	120	0	0	0	0
Selenium	1.033	0.0200	1	0	103	80	120	0	0	0	0
Silver	0.1019	0.0100	0.1	0	102	80	120	0	0	0	0

Sample ID: 1206005-001BMS	Client ID:	Units: mg/L	Prep Date:	06/04/2012	Run No: 222561						
SampleType: MS	TestCode: METALS, TOTAL SW6010C	BatchID: 162237	Analysis Date:	06/05/2012	Seq No: 4655876						
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	1.048	0.0500	1	0	105	75	125	0	0	0	0
Barium	1.058	0.0200	1	0.006445	105	75	125	0	0	0	0
Cadmium	1.052	0.0050	1	0	105	75	125	0	0	0	0
Chromium	1.053	0.0100	1	0	105	75	125	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162237**

Sample ID: 1206005-001BMS	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222561				
SampleType: MS	TestCode: METALS, TOTAL	SW6010C			BatchID: 162237	Analysis Date: 06/05/2012	Seq No: 4655876				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	1.024	0.0100	1	0	102	75	125	0	0	0	
Selenium	1.034	0.0200	1	0	103	75	125	0	0	0	
Silver	0.1024	0.0100	0.1	0	102	75	125	0	0	0	
Sample ID: 1206005-001BMSD	Client ID:				Units: mg/L	Prep Date: 06/04/2012	Run No: 222561				
SampleType: MSD	TestCode: METALS, TOTAL	SW6010C			BatchID: 162237	Analysis Date: 06/05/2012	Seq No: 4655878				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.047	0.0500	1	0	105	75	125	1.048	0.157	20	
Barium	1.056	0.0200	1	0.006445	105	75	125	1.058	0.219	20	
Cadmium	1.048	0.0050	1	0	105	75	125	1.052	0.365	20	
Chromium	1.049	0.0100	1	0	105	75	125	1.053	0.348	20	
Lead	1.024	0.0100	1	0	102	75	125	1.024	0.03	20	
Selenium	1.040	0.0200	1	0	104	75	125	1.034	0.563	20	
Silver	0.1031	0.0100	0.1	0	103	75	125	0.1024	0.707	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162291**

Sample ID: MB-162291	Client ID:				Units: mg/L	Prep Date: 06/05/2012	Run No: 222566				
SampleType: MLBK	TestCode: METALS, DISSOLVED	SW6010C			BatchID: 162291	Analysis Date: 06/05/2012	Seq No: 4655939				
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	0.000456	0.0050	0	0	0	0	0	0	0	0	J
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-162291	Client ID:				Units: mg/L	Prep Date: 06/05/2012	Run No: 222566				
SampleType: LCS	TestCode: METALS, DISSOLVED	SW6010C			BatchID: 162291	Analysis Date: 06/05/2012	Seq No: 4655938				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.011	0.0500	1	0	101	80	120	0	0	0	
Barium	1.012	0.0200	1	0	101	80	120	0	0	0	
Cadmium	1.030	0.0050	1	0.0004558	103	80	120	0	0	0	
Chromium	0.9721	0.0100	1	0	97.2	80	120	0	0	0	
Lead	0.9929	0.0100	1	0	99.3	80	120	0	0	0	
Selenium	1.016	0.0200	1	0	102	80	120	0	0	0	
Silver	0.09882	0.0100	0.1	0	98.8	80	120	0	0	0	

Sample ID: 1206015-001AMS	Client ID:				Units: mg/L	Prep Date: 06/05/2012	Run No: 222566				
SampleType: MS	TestCode: METALS, DISSOLVED	SW6010C			BatchID: 162291	Analysis Date: 06/05/2012	Seq No: 4655942				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.012	0.0500	1	0	101	75	125	0	0	0	
Barium	1.066	0.0200	1	0.06113	101	75	125	0	0	0	
Cadmium	1.024	0.0050	1	0	102	75	125	0	0	0	
Chromium	0.9736	0.0100	1	0	97.4	75	125	0	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206111

ANALYTICAL QC SUMMARY REPORT**BatchID: 162291**

Sample ID: 1206015-001AMS	Client ID:						Prep Date:	06/05/2012	Run No: 222566		
SampleType: MS	TestCode: METALS, DISSOLVED						Analysis Date:	06/05/2012	Seq No: 4655942		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9910	0.0100	1	0	99.1	75	125	0	0	0	
Selenium	1.019	0.0200	1	0	102	75	125	0	0	0	
Silver	0.09805	0.0100	0.1	0.0006513	97.4	75	125	0	0	0	
Sample ID: 1206015-001AMSD	Client ID:				Units: mg/L	Prep Date:	06/05/2012	Run No: 222566			
SampleType: MSD	TestCode: METALS, DISSOLVED				BatchID: 162291	Analysis Date:	06/05/2012	Seq No: 4655944			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.006	0.0500	1	0	101	75	125	1.012	0.606	20	
Barium	1.059	0.0200	1	0.06113	99.8	75	125	1.066	0.737	20	
Cadmium	1.013	0.0050	1	0	101	75	125	1.024	1.04	20	
Chromium	0.9623	0.0100	1	0	96.2	75	125	0.9736	1.17	20	
Lead	0.9811	0.0100	1	0	98.1	75	125	0.9910	1	20	
Selenium	1.014	0.0200	1	0	101	75	125	1.019	0.499	20	
Silver	0.09723	0.0100	0.1	0.0006513	96.6	75	125	0.09805	0.832	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 15, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Road

Dear Tyler Boyles:

Order No: 1206540

Analytical Environmental Services, Inc. received 1 samples on 6/7/2012 2:50:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn Waters
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1206540Date: 6/7/12 Page 1 of 1

COMPANY: <i>AMEC</i>		ADDRESS: <i>396 Phifer Av Atlanta GA</i>		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers					
PHONE: <i>404 817 0153</i>		FAX: <i>404 817 0183</i>																
SAMPLED BY: <i>Tyler Boles</i>		SIGNATURE: <i>TB</i>																
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS			
		DATE	TIME															
1	MW-4	<i>6/7/12</i>	<i>1310</i>	X		GW	X	X										<i>2</i>
2																		
3																		
4																		
5																		
6																		
7																		
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11																		
12																		
13																		
14																		
RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION								RECEIPT					
1:	<i>TB</i>	<i>6/7/12 1450</i>	1:	<i>John</i>	<i>6/7/12</i>	PROJECT NAME: <i>1071 Howell Mill</i>								Total # of Containers	<i>2</i>			
2:			2:		<i>2:50</i>	PROJECT #: <i>6121 120125</i>												
3:			3:			SITE ADDRESS: <i>1071 Howell Mill Rd</i>												
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD	OUT	/	VIA:	SEND REPORT TO: <i>Tyler Boles</i>								Turnaround Time Request				
			IN	/	VIA:									<input type="radio"/> Standard 5 Business Days				
					COURIER									<input type="radio"/> 2 Business Day Rush				
					GREYHOUND									<input checked="" type="radio"/> Next Business Day Rush				
					OTHER									<input type="radio"/> Same Day Rush (auth req.)				
														<input type="radio"/> Other _____				
														STATE PROGRAM (if any): _____				
														E-mail? Y/N: _____ Fax? Y/N: _____				
														DATA PACKAGE: I II III IV				
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																		

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

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

White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.
Project: 1071 Howell Mill Road
Lab ID: 1206540

Case Narrative

Metals Analysis by Method 7470A_W_D:

Matrix spike and matrix spike duplicate analyses were not performed with Batch 162439 due to insufficient sample volume.

Analytical Environmental Services, Inc**Date:** 15-Jun-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-4					
Project Name:	1071 Howell Mill Road	Collection Date:	6/7/2012 1:10:00 PM					
Lab ID:	1206540-001	Matrix:	Groundwater					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020A							(SW3005A)	
Arsenic	BRL	5.00		ug/L	162409	1	06/08/2012 14:02	JY
Barium	62.4	10.0		ug/L	162409	1	06/08/2012 14:02	JY
Cadmium	BRL	0.700		ug/L	162409	1	06/08/2012 14:02	JY
Chromium	BRL	5.00		ug/L	162409	1	06/08/2012 14:02	JY
Lead	1.19	1.00		ug/L	162409	1	06/08/2012 14:02	JY
Selenium	BRL	5.00		ug/L	162409	1	06/08/2012 14:02	JY
Silver	BRL	1.00		ug/L	162409	1	06/08/2012 14:02	JY
Mercury, Total SW7470A							(SW7470A)	
Mercury	BRL	0.00020		mg/L	162440	1	06/08/2012 16:01	LD
Mercury, Dissolved SW7470A							(SW7470A)	
Mercury	BRL	0.00020		mg/L	162439	1	06/08/2012 15:40	LD
Dissolved Metals by ICP/MS SW6020A							(SW3005A)	
Arsenic	BRL	5.00		ug/L	162437	1	06/08/2012 09:18	JY
Barium	53.9	10.0		ug/L	162437	1	06/08/2012 09:18	JY
Cadmium	BRL	0.700		ug/L	162437	1	06/08/2012 09:18	JY
Chromium	BRL	5.00		ug/L	162437	1	06/08/2012 09:18	JY
Lead	BRL	1.00		ug/L	162437	1	06/08/2012 09:18	JY
Selenium	BRL	5.00		ug/L	162437	1	06/08/2012 09:18	JY
Silver	BRL	1.00		ug/L	162437	1	06/08/2012 09:18	JY

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AmeC Work Order Number 1206540

Checklist completed by PJ Date 6/7/12

Carrier name: FedEx UPS Courier Client US Mail Other

Shipping container/coolers in good condition? Yes No Not Present

Custody seals intact on shipping container/coolers? 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°C Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable PT

Adjusted? Checked by PT

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client: AMEC E&I, Inc.
Project: 1071 Howell Mill Road
Lab Order: 1206540

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1206540-001A	MW-4	6/7/2012 1:10:00PM	Groundwater	Total Metals by ICP/MS		06/07/2012	06/08/2012
1206540-001A	MW-4	6/7/2012 1:10:00PM	Groundwater	TOTAL MERCURY		06/08/2012	06/08/2012
1206540-001B	MW-4	6/7/2012 1:10:00PM	Groundwater	Dissolved Metals by ICP/MS		06/08/2012	06/08/2012
1206540-001B	MW-4	6/7/2012 1:10:00PM	Groundwater	MERCURY, DISSOLVED		06/08/2012	06/08/2012

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206540

ANALYTICAL QC SUMMARY REPORT**BatchID: 162409**

Sample ID: MB-162409	Client ID:	Units: ug/L	Prep Date: 06/07/2012	Run No: 222849
SampleType: MLBK	TestCode: Total Metals by ICP/MS	BatchID: 162409	Analysis Date: 06/08/2012	Seq No: 4662051
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	0
Barium	BRL	10.0	0	0	0	0	0	0	0	0	0
Cadmium	BRL	0.700	0	0	0	0	0	0	0	0	0
Chromium	BRL	5.00	0	0	0	0	0	0	0	0	0
Lead	BRL	1.00	0	0	0	0	0	0	0	0	0
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	0
Silver	BRL	1.00	0	0	0	0	0	0	0	0	0

Sample ID: LCS-162409	Client ID:	Units: ug/L	Prep Date: 06/07/2012	Run No: 222849							
SampleType: LCS	TestCode: Total Metals by ICP/MS	BatchID: 162409	Analysis Date: 06/08/2012	Seq No: 4662049							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	99.40	5.00	100	0	99.4	80	120	0	0	0	0
Barium	100.1	10.0	100	0	100	80	120	0	0	0	0
Cadmium	102.0	0.700	100	0	102	80	120	0	0	0	0
Chromium	99.40	5.00	100	0	99.4	80	120	0	0	0	0
Lead	100.4	1.00	100	0	100	80	120	0	0	0	0
Selenium	101.0	5.00	100	0	101	80	120	0	0	0	0
Silver	9.848	1.00	10	0.03200	98.2	80	120	0	0	0	0

Sample ID: 1206318-002AMS	Client ID:	Units: ug/L	Prep Date: 06/07/2012	Run No: 222849							
SampleType: MS	TestCode: Total Metals by ICP/MS	BatchID: 162409	Analysis Date: 06/08/2012	Seq No: 4662058							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	98.58	5.00	100	0	98.6	75	125	0	0	0	0
Barium	120.4	10.0	100	21.71	98.7	75	125	0	0	0	0
Cadmium	101.1	0.700	100	0.1250	101	75	125	0	0	0	0
Chromium	99.12	5.00	100	0.7390	98.4	75	125	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206540

ANALYTICAL QC SUMMARY REPORT**BatchID: 162409**

Sample ID: 1206318-002AMS	Client ID:				Units: ug/L	Prep Date:	06/07/2012	Run No: 222849
SampleType: MS	TestCode: Total Metals by ICP/MS	SW6020A			BatchID: 162409	Analysis Date:	06/08/2012	Seq No: 4662058
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Lead	99.32	1.00	100	0	99.3	75	125	0
Selenium	100.2	5.00	100	0	100	75	125	0
Silver	9.680	1.00	10	0	96.8	75	125	0
Sample ID: 1206318-002AMSD	Client ID:				Units: ug/L	Prep Date:	06/07/2012	Run No: 222849
SampleType: MSD	TestCode: Total Metals by ICP/MS	SW6020A			BatchID: 162409	Analysis Date:	06/08/2012	Seq No: 4662061
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Arsenic	98.58	5.00	100	0	98.6	75	125	98.58
Barium	121.0	10.0	100	21.71	99.3	75	125	120.4
Cadmium	101.2	0.700	100	0.1250	101	75	125	101.1
Chromium	99.47	5.00	100	0.7390	98.7	75	125	99.12
Lead	99.32	1.00	100	0	99.3	75	125	99.32
Selenium	100.3	5.00	100	0	100	75	125	100.2
Silver	9.745	1.00	10	0	97.4	75	125	9.680

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206540

ANALYTICAL QC SUMMARY REPORT**BatchID: 162437**

Sample ID: MB-162437	Client ID:				Units: ug/L	Prep Date: 06/08/2012	Run No: 222797				
SampleType: MLBK	TestCode: Dissolved Metals by ICP/MS SW6020A				BatchID: 162437	Analysis Date: 06/08/2012	Seq No: 4661050				
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	10.0	0	0	0	0	0	0	0	0
Cadmium	BRL	0.700	0	0	0	0	0	0	0	0
Chromium	BRL	5.00	0	0	0	0	0	0	0	0
Lead	BRL	1.00	0	0	0	0	0	0	0	0
Selenium	BRL	5.00	0	0	0	0	0	0	0	0
Silver	BRL	1.00	0	0	0	0	0	0	0	0

Sample ID: LCS-162437	Client ID:				Units: ug/L	Prep Date: 06/08/2012	Run No: 222797				
SampleType: LCS	TestCode: Dissolved Metals by ICP/MS SW6020A				BatchID: 162437	Analysis Date: 06/08/2012	Seq No: 4661049				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	101.7	5.00	100	0	102	80	120	0	0	0	
Barium	95.87	10.0	100	0	95.9	80	120	0	0	0	
Cadmium	98.71	0.700	100	0	98.7	80	120	0	0	0	
Chromium	99.48	5.00	100	0	99.5	80	120	0	0	0	
Lead	97.08	1.00	100	0	97.1	80	120	0	0	0	
Selenium	101.0	5.00	100	0	101	80	120	0	0	0	
Silver	9.827	1.00	10	0.02300	98	80	120	0	0	0	

Sample ID: 1206540-001BMS	Client ID: MW-4				Units: ug/L	Prep Date: 06/08/2012	Run No: 222797				
SampleType: MS	TestCode: Dissolved Metals by ICP/MS SW6020A				BatchID: 162437	Analysis Date: 06/08/2012	Seq No: 4661052				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	100.4	5.00	100	0	100	75	125	0	0	0	
Barium	147.6	10.0	100	53.93	93.7	75	125	0	0	0	
Cadmium	96.59	0.700	100	0.07200	96.5	75	125	0	0	0	
Chromium	95.85	5.00	100	0.6130	95.2	75	125	0	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206540

ANALYTICAL QC SUMMARY REPORT**BatchID: 162437**

Sample ID: 1206540-001BMS	Client ID: MW-4					Units: ug/L	Prep Date: 06/08/2012	Run No: 222797
SampleType: MS	TestCode: Dissolved Metals by ICP/MS	SW6020A				BatchID: 162437	Analysis Date: 06/08/2012	Seq No: 4661052
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Lead	95.46	1.00	100	0	95.5	75	125	0
Selenium	103.1	5.00	100	1.868	101	75	125	0
Silver	9.434	1.00	10	0.01800	94.2	75	125	0
Sample ID: 1206540-001BMSD	Client ID: MW-4					Units: ug/L	Prep Date: 06/08/2012	Run No: 222797
SampleType: MSD	TestCode: Dissolved Metals by ICP/MS	SW6020A				BatchID: 162437	Analysis Date: 06/08/2012	Seq No: 4661053
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Arsenic	99.05	5.00	100	0	99	75	125	100.4
Barium	147.4	10.0	100	53.93	93.5	75	125	147.6
Cadmium	95.37	0.700	100	0.07200	95.3	75	125	96.59
Chromium	94.34	5.00	100	0.6130	93.7	75	125	95.85
Lead	94.18	1.00	100	0	94.2	75	125	95.46
Selenium	101.7	5.00	100	1.868	99.8	75	125	103.1
Silver	9.278	1.00	10	0.01800	92.6	75	125	9.434

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206540

ANALYTICAL QC SUMMARY REPORT**BatchID: 162439**

Sample ID: MB-162439	Client ID:				Units: mg/L	Prep Date: 06/08/2012	Run No: 222840				
SampleType: MLBK	TestCode: Mercury, Dissolved SW7470A				BatchID: 162439	Analysis Date: 06/08/2012	Seq No: 4661800				
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	0
Sample ID: LCS-162439	Client ID:				Units: mg/L	Prep Date: 06/08/2012	Run No: 222840				
SampleType: LCS	TestCode: Mercury, Dissolved SW7470A				BatchID: 162439	Analysis Date: 06/08/2012	Seq No: 4661815				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004979	0.00020	0.005	0	99.6	85	115	0	0	0	0
Sample ID: LCSD-162439	Client ID:				Units: mg/L	Prep Date: 06/08/2012	Run No: 222840				
SampleType: LCSD	TestCode: Mercury, Dissolved SW7470A				BatchID: 162439	Analysis Date: 06/08/2012	Seq No: 4661816				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005154	0.00020	0.005	0	103	85	115	0.004979	3.46	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206540

ANALYTICAL QC SUMMARY REPORT**BatchID: 162440**

Sample ID: MB-162440	Client ID:				Units: mg/L	Prep Date: 06/08/2012	Run No: 222855				
SampleType: MLBK	TestCode: Mercury, Total SW7470A				BatchID: 162440	Analysis Date: 06/08/2012	Seq No: 4662126				
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	0
Sample ID: LCS-162440	Client ID:				Units: mg/L	Prep Date: 06/08/2012	Run No: 222855				
SampleType: LCS	TestCode: Mercury, Total SW7470A				BatchID: 162440	Analysis Date: 06/08/2012	Seq No: 4662131				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005162	0.00020	0.005	0	103	85	115	0	0	0	0
Sample ID: 1206540-001AMS	Client ID: MW-4				Units: mg/L	Prep Date: 06/08/2012	Run No: 222855				
SampleType: MS	TestCode: Mercury, Total SW7470A				BatchID: 162440	Analysis Date: 06/08/2012	Seq No: 4662139				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005315	0.00020	0.005	0	106	70	130	0	0	0	0
Sample ID: 1206540-001AMSD	Client ID: MW-4				Units: mg/L	Prep Date: 06/08/2012	Run No: 222855				
SampleType: MSD	TestCode: Mercury, Total SW7470A				BatchID: 162440	Analysis Date: 06/08/2012	Seq No: 4662143				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005146	0.00020	0.005	0	103	70	130	0.005315	3.23	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 14, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Road

Dear Tyler Boyles:

Order No: 1206541

Analytical Environmental Services, Inc. received 1 samples on 6/7/2012 2:50:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn Waters
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order:

1206541

Date: 6/7/12

Page / of /

COMPANY: <i>Amec</i>		ADDRESS: 396 Peach Ave Atlanta GA		ANALYSIS REQUESTED							Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.					
PHONE: 404 817 0153		FAX: 404 817 0183														
SAMPLED BY: Tyler Bough		SIGNATURE: <i>Tyler Bough</i>														
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)							REMARKS	No # of Containers	
		DATE	TIME				NA									
1	SS- NE Slope	6/6/12	1506	X	S0	X									1	
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME		PROJECT INFORMATION							RECEIPT			
<i>2/2/12</i>		6/7/12 1450	<i>mej</i>	6/7/12 1450		PROJECT NAME:							Total # of Containers	1		
<i>2/2/12</i>		2/2/12 2:50	<i>mej</i>	2/2/12 2:50		PROJECT #:							Turnaround Time Request			
<i>2/2/12</i>		3:	<i>mej</i>	3:		SITE ADDRESS:							Standard 5 Business Days			
<i>2/2/12</i>			<i>mej</i>			SEND REPORT TO:							2 Business Day Rush			
<i>2/2/12</i>			<i>mej</i>			INVOICE TO: (IF DIFFERENT FROM ABOVE)							Next Business Day Rush			
<i>2/2/12</i>			<i>mej</i>										Same Day Rush (auth req.)			
<i>2/2/12</i>			<i>mej</i>										Other _____			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						STATE PROGRAM (if any): _____								
		OUT / /	VIA:							E-mail? Y / N; Fax? Y / N						
		IN / /	VIA:							DATA PACKAGE: I II III IV						
		CLIENT FedEx UPS MAIL COURIER	GREYHOUND OTHER													
										QUOTE #:	PO#:					
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.																
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

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

Client: AMEC E&I, Inc.
Project: 1071 Howell Mill Road
Lab ID: 1206541

Case Narrative

The project name was taken from sample container.

Analytical Environmental Services, Inc**Date:** 14-Jun-12

Client: AMEC E&I, Inc.	Client Sample ID: SS-NE SLOPE
Project Name: 1071 Howell Mill Road	Collection Date: 6/6/2012 3:06:00 PM
Lab ID: 1206541-001	Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B								
Mercury	0.399	0.132		mg/Kg-dry	162556	1	06/12/2012 13:42	LD
METALS, TOTAL SW6010C								
Arsenic	BRL	6.53		mg/Kg-dry	162506	1	06/11/2012 22:22	TA
Barium	90.0	6.53		mg/Kg-dry	162506	1	06/11/2012 22:22	TA
Cadmium	BRL	3.27		mg/Kg-dry	162506	1	06/11/2012 22:22	TA
Chromium	30.4	3.27		mg/Kg-dry	162506	1	06/11/2012 22:22	TA
Lead	373	6.53		mg/Kg-dry	162506	1	06/11/2012 22:22	TA
Selenium	BRL	6.53		mg/Kg-dry	162506	1	06/11/2012 22:22	TA
Silver	BRL	3.27		mg/Kg-dry	162506	1	06/11/2012 22:22	TA
PERCENT MOISTURE D2216								
Percent Moisture	24.2	0		wt%	R223144	1	06/13/2012 11:00	AS

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Jme CWork Order Number 1206541Checklist completed by Re Date 6/7/12Carrier name: FedEx UPS Courier Client US Mail Other Shipping container/coolers in good condition? Yes No Not Present Custody seals intact on shipping container/coolers? 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°C Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Chain of custody present? Yes No Chain of custody signed when relinquished and received? Yes No Chain of custody agrees with sample labels? Yes No Samples in proper container/bottle? Yes No Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No All samples received within holding time? Yes No Was TAT marked on the COC? Yes No Proceed with Standard TAT as per project history? Yes No Not Applicable Water - VOA vials have zero headspace? No VOA vials submitted Yes No Water - pH acceptable upon receipt? Yes No Not Applicable Adjusted? Checked by Sample Condition: Good Other(Explain) _____(For diffusive samples or AIHA lead) Is a known blank included? Yes No **See Case Narrative for resolution of the Non-Conformance.**

* Samples do not have to comply with the given range for certain parameters

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206541

ANALYTICAL QC SUMMARY REPORT**BatchID: 162506**

Sample ID: MB-162506	Client ID:	Units: mg/Kg	Prep Date: 06/11/2012	Run No: 222999
SampleType: MLBK	TestCode: METALS, TOTAL SW6010C	BatchID: 162506	Analysis Date: 06/11/2012	Seq No: 4665295
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	0
Barium	BRL	5.00	0	0	0	0	0	0	0	0	0
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	0
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	0
Lead	BRL	5.00	0	0	0	0	0	0	0	0	0
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	0
Silver	BRL	2.50	0	0	0	0	0	0	0	0	0

Sample ID: LCS-162506	Client ID:	Units: mg/Kg	Prep Date: 06/11/2012	Run No: 222999							
SampleType: LCS	TestCode: METALS, TOTAL SW6010C	BatchID: 162506	Analysis Date: 06/11/2012	Seq No: 4665294							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	47.25	5.00	50	0.2483	94	80	120	0	0	0	0
Barium	46.32	5.00	50	0.8107	91	80	120	0	0	0	0
Cadmium	46.39	2.50	50	0	92.8	80	120	0	0	0	0
Chromium	48.00	2.50	50	0.06731	95.9	80	120	0	0	0	0
Lead	46.42	5.00	50	0.1214	92.6	80	120	0	0	0	0
Selenium	47.17	5.00	50	0.2438	93.8	80	120	0	0	0	0
Silver	4.588	2.50	5	0	91.8	80	120	0	0	0	0

Sample ID: 1206541-001AMS	Client ID: SS-NE SLOPE	Units: mg/Kg-dry	Prep Date: 06/11/2012	Run No: 222999							
SampleType: MS	TestCode: METALS, TOTAL SW6010C	BatchID: 162506	Analysis Date: 06/11/2012	Seq No: 4665297							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	63.32	6.54	65.39	5.435	88.5	75	125	0	0	0	0
Barium	161.5	6.54	65.39	89.96	109	75	125	0	0	0	0
Cadmium	59.60	3.27	65.39	2.121	87.9	75	125	0	0	0	0
Chromium	92.12	3.27	65.39	30.35	94.5	75	125	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206541

ANALYTICAL QC SUMMARY REPORT**BatchID: 162506**

Sample ID: 1206541-001AMS	Client ID: SS-NE SLOPE	Units: mg/Kg-dry	Prep Date: 06/11/2012	Run No: 222999							
SampleType: MS	TestCode: METALS, TOTAL SW6010C	BatchID: 162506	Analysis Date: 06/11/2012	Seq No: 4665297							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Lead	484.7	6.54	65.39	372.6	172	75	125	0	0	0	S
Selenium	56.56	6.54	65.39	0	86.5	75	125	0	0	0	
Silver	6.422	3.27	6.539	0.7789	86.3	75	125	0	0	0	
Sample ID: 1206541-001AMSD	Client ID: SS-NE SLOPE	Units: mg/Kg-dry	Prep Date: 06/11/2012	Run No: 222999							
SampleType: MSD	TestCode: METALS, TOTAL SW6010C	BatchID: 162506	Analysis Date: 06/11/2012	Seq No: 4665298							
Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual											
Arsenic	64.69	6.57	65.72	5.435	90.2	75	125	63.32	2.14	20	
Barium	152.6	6.57	65.72	89.96	95.4	75	125	161.5	5.63	20	
Cadmium	60.70	3.29	65.72	2.121	89.1	75	125	59.60	1.83	20	
Chromium	92.94	3.29	65.72	30.35	95.2	75	125	92.12	0.881	20	
Lead	459.5	6.57	65.72	372.6	132	75	125	484.7	5.34	20	S
Selenium	58.22	6.57	65.72	0	88.6	75	125	56.56	2.89	20	
Silver	6.657	3.29	6.572	0.7789	89.4	75	125	6.422	3.6	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1206541

ANALYTICAL QC SUMMARY REPORT**BatchID: 162556**

Sample ID: MB-162556	Client ID:				Units: mg/Kg	Prep Date: 06/12/2012	Run No: 223022				
SampleType: MLBK	TestCode: TOTAL MERCURY SW7471B				BatchID: 162556	Analysis Date: 06/12/2012	Seq No: 4665527				
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	0
Sample ID: LCS-162556	Client ID:				Units: mg/Kg	Prep Date: 06/12/2012	Run No: 223022				
SampleType: LCS	TestCode: TOTAL MERCURY SW7471B				BatchID: 162556	Analysis Date: 06/12/2012	Seq No: 4665532				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4219	0.100	0.4	0	105	80	120	0	0	0	0
Sample ID: 1206685-001DMS	Client ID:				Units: mg/Kg-dry	Prep Date: 06/12/2012	Run No: 223022				
SampleType: MS	TestCode: TOTAL MERCURY SW7471B				BatchID: 162556	Analysis Date: 06/12/2012	Seq No: 4665537				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5077	0.111	0.4459	0.05498	102	70	130	0	0	0	0
Sample ID: 1206685-001DMSD	Client ID:				Units: mg/Kg-dry	Prep Date: 06/12/2012	Run No: 223022				
SampleType: MSD	TestCode: TOTAL MERCURY SW7471B				BatchID: 162556	Analysis Date: 06/12/2012	Seq No: 4665540				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5160	0.111	0.4459	0.05498	103	70	130	0.5077	1.61	30	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 13, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Road

Dear Tyler Boyles:

Order No: 1207165

Analytical Environmental Services, Inc. received 2 samples on July 3, 2012 4:42 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 07/01/12-06/30/13.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn Waters
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1702165

Date: 7/3/12 Page 1 of 1

COMPANY: AMEC		ADDRESS: 396 Peachtree Ave Atlanta GA		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.					
PHONE: 404 817 0153		FAX: 404 817 0183															
SAMPLED BY: Tyler Boyle		SIGNATURE: Tyler Boyle															
#	SAMPLE ID	SAMPLER		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS	No # of Containers	
		DATE	TIME				Pbs PAHs Perisols Vols										
1	MW-IR	7/3/12	1600	X	GW	X X X X											8
2	TR18 Blank																
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION								RECEIPT	
Tyler Boyle		7/3/12 1642		1: Tyler Boyle		7/3/12 1642		PROJECT NAME: 1071 Howell Mill PROJECT #: 6121 12-0151 SITE ADDRESS: 1071 Howell Mill SEND REPORT TO: Tyler Boyle & Chuck Terry								Total # of Containers 8 Turnaround Time Request Standard 5 Business Days 2 Business Day Rush Next Business Day Rush Same Day Rush (auth req.) Other _____	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT IN		VIA: CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER		INVOICE TO: (IF DIFFERENT FROM ABOVE) QUOTE #: PO#: 								STATE PROGRAM (if any): _____ E-mail? Y/N; Fax? Y/N DATA PACKAGE: I II III IV	
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																	

**SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.**

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

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice

O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 13-Jul-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-1R					
Project Name:	1071 Howell Mill Road	Collection Date:	7/3/2012 4:00:00 PM					
Lab ID:	1207165-001	Matrix:	Groundwater					
<hr/>								
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,1-Dichloroethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,1-Dichloroethene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,2-Dibromoethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,2-Dichloroethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,2-Dichloropropane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
2-Butanone	BRL	50		ug/L	163604	1	07/07/2012 04:29	NP
2-Hexanone	BRL	10		ug/L	163604	1	07/07/2012 04:29	NP
4-Methyl-2-pentanone	BRL	10		ug/L	163604	1	07/07/2012 04:29	NP
Acetone	BRL	50		ug/L	163604	1	07/07/2012 04:29	NP
Benzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Bromodichloromethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Bromoform	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Bromomethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Carbon disulfide	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Carbon tetrachloride	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Chlorobenzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Chloroethane	BRL	10		ug/L	163604	1	07/07/2012 04:29	NP
Chloroform	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Chloromethane	BRL	10		ug/L	163604	1	07/07/2012 04:29	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Cyclohexane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Dibromochloromethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Dichlorodifluoromethane	BRL	10		ug/L	163604	1	07/07/2012 04:29	NP
Ethylbenzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Freon-113	BRL	10		ug/L	163604	1	07/07/2012 04:29	NP
Isopropylbenzene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
m,p-Xylene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Methyl acetate	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Methylcyclohexane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Methylene chloride	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
o-Xylene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Jul-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-1R					
Project Name:	1071 Howell Mill Road	Collection Date:	7/3/2012 4:00:00 PM					
Lab ID:	1207165-001	Matrix:	Groundwater					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								(SW5030B)
Styrene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Tetrachloroethene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Toluene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Trichloroethene	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Trichlorofluoromethane	BRL	5.0		ug/L	163604	1	07/07/2012 04:29	NP
Vinyl chloride	BRL	2.0		ug/L	163604	1	07/07/2012 04:29	NP
Surr: 4-Bromofluorobenzene	89.4	67.4-123	%REC		163604	1	07/07/2012 04:29	NP
Surr: Dibromofluoromethane	89.2	75.5-128	%REC		163604	1	07/07/2012 04:29	NP
Surr: Toluene-d8	92.1	70-120	%REC		163604	1	07/07/2012 04:29	NP
POLYCHLORINATED BIPHENYLS SW8082A								(SW3510C)
Aroclor 1016	BRL	0.50		ug/L	163357	1	07/05/2012 17:10	SN
Aroclor 1221	BRL	0.50		ug/L	163357	1	07/05/2012 17:10	SN
Aroclor 1232	BRL	0.50		ug/L	163357	1	07/05/2012 17:10	SN
Aroclor 1242	BRL	0.50		ug/L	163357	1	07/05/2012 17:10	SN
Aroclor 1248	BRL	0.50		ug/L	163357	1	07/05/2012 17:10	SN
Aroclor 1254	BRL	0.50		ug/L	163357	1	07/05/2012 17:10	SN
Aroclor 1260	BRL	0.50		ug/L	163357	1	07/05/2012 17:10	SN
Surr: Decachlorobiphenyl	32.9	15.5-128	%REC		163357	1	07/05/2012 17:10	SN
Surr: Tetrachloro-m-xylene	51	17.3-125	%REC		163357	1	07/05/2012 17:10	SN
POLYAROMATIC HYDROCARBONS SW8270D								(SW3535A)
Naphthalene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Acenaphthylene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
1-Methylnaphthalene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
2-Methylnaphthalene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Acenaphthene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Fluorene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Phenanthrene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Anthracene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Fluoranthene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Pyrene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Benz(a)anthracene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Chrysene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Benzo(b)fluoranthene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Benzo(k)fluoranthene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Benzo(a)pyrene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Dibenz(a,h)anthracene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Benzo(g,h,i)perylene	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Jul-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-1R
Project Name:	1071 Howell Mill Road	Collection Date:	7/3/2012 4:00:00 PM
Lab ID:	1207165-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3535A)								
Indeno(1,2,3-cd)pyrene								
	BRL	10		ug/L	163638	1	07/11/2012 15:14	EI
Surr: Nitrobenzene-d5	59.5	30.3-122	%REC	163638	1	07/11/2012 15:14	EI	
Surr: 2-Fluorobiphenyl	56.5	41-120	%REC	163638	1	07/11/2012 15:14	EI	
Surr: 4-Terphenyl-d14	70.6	55.9-122	%REC	163638	1	07/11/2012 15:14	EI	
CHLORINATED PESTICIDES, TCL SW8081B (SW3510C)								
4,4'-DDD	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
4,4'-DDE	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
4,4'-DDT	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
Aldrin	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
alpha-BHC	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
alpha-Chlordane	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
beta-BHC	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
delta-BHC	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
Dieldrin	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
Endosulfan I	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
Endosulfan II	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
Endosulfan sulfate	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
Endrin	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
Endrin aldehyde	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
Endrin ketone	BRL	0.10		ug/L	163463	1	07/05/2012 20:35	KD
gamma-BHC	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
gamma-Chlordane	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
Heptachlor	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
Heptachlor epoxide	BRL	0.050		ug/L	163463	1	07/05/2012 20:35	KD
Methoxychlor	BRL	0.50		ug/L	163463	1	07/05/2012 20:35	KD
Toxaphene	BRL	5.0		ug/L	163463	1	07/05/2012 20:35	KD
Surr: Decachlorobiphenyl	24.9	16.4-114	%REC	163463	1	07/05/2012 20:35	KD	
Surr: Tetrachloro-m-xylene	46.5	18.4-120	%REC	163463	1	07/05/2012 20:35	KD	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Jul-12

Client:	AMEC E&I, Inc.	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Road	Collection Date:	7/3/2012
Lab ID:	1207165-002	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B							(SW5030B)	
1,1,1-Trichloroethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,1-Dichloroethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,1-Dichloroethene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,2-Dibromoethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,2-Dichloroethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,2-Dichloropropane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
2-Butanone	BRL	50		ug/L	163604	1	07/06/2012 19:52	NP
2-Hexanone	BRL	10		ug/L	163604	1	07/06/2012 19:52	NP
4-Methyl-2-pentanone	BRL	10		ug/L	163604	1	07/06/2012 19:52	NP
Acetone	BRL	50		ug/L	163604	1	07/06/2012 19:52	NP
Benzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Bromodichloromethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Bromoform	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Bromomethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Carbon disulfide	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Carbon tetrachloride	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Chlorobenzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Chloroethane	BRL	10		ug/L	163604	1	07/06/2012 19:52	NP
Chloroform	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Chloromethane	BRL	10		ug/L	163604	1	07/06/2012 19:52	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Cyclohexane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Dibromochloromethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Dichlorodifluoromethane	BRL	10		ug/L	163604	1	07/06/2012 19:52	NP
Ethylbenzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Freon-113	BRL	10		ug/L	163604	1	07/06/2012 19:52	NP
Isopropylbenzene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
m,p-Xylene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Methyl acetate	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Methylcyclohexane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Methylene chloride	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
o-Xylene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Jul-12

Client:	AMEC E&I, Inc.	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Road	Collection Date:	7/3/2012
Lab ID:	1207165-002	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Tetrachloroethene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Toluene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Trichloroethene	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Trichlorofluoromethane	BRL	5.0		ug/L	163604	1	07/06/2012 19:52	NP
Vinyl chloride	BRL	2.0		ug/L	163604	1	07/06/2012 19:52	NP
Surr: 4-Bromofluorobenzene	80.3	67.4-123	%REC		163604	1	07/06/2012 19:52	NP
Surr: Dibromofluoromethane	110	75.5-128	%REC		163604	1	07/06/2012 19:52	NP
Surr: Toluene-d8	91.1	70-120	%REC		163604	1	07/06/2012 19:52	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC Work Order Number 1207165

Checklist completed by HLL Signature 03/03/10 Date

Carrier name: FedEx UPS Courier Client US Mail Other

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? (4°C±2)* Yes No

Cooler #1 3,7 Cooler #2 Cooler #3 Cooler #4 Cooler#5 Cooler #6

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? Checked by M

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client: AMEC E&I, Inc.
Project: 1071 Howell Mill Road
Lab Order: 1207165

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1207165-001A	MW-1R	7/3/2012 4:00:00PM	Groundwater	TCL VOLATILE ORGANICS		07/06/2012	07/07/2012
1207165-001B	MW-1R	7/3/2012 4:00:00PM	Groundwater	TCL-CHLORINATED PESTICIDES		07/05/2012	07/05/2012
1207165-001B	MW-1R	7/3/2012 4:00:00PM	Groundwater	POLYCHLORINATED BIPHENYLS		07/05/2012	07/05/2012
1207165-001B	MW-1R	7/3/2012 4:00:00PM	Groundwater	POLYNUCLEAR AROMATIC HYDROCARBONS		07/09/2012	07/11/2012
1207165-002A	TRIP BLANK	7/3/2012 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		07/06/2012	07/06/2012

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163357**

Sample ID: MB-163357	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224506				
SampleType: MBLK	TestCode: POLYCHLORINATED BIPHENYLS	SW8082A			BatchID: 163357	Analysis Date: 07/05/2012	Seq No: 4697237				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1221	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1232	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1242	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1248	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1254	BRL	0.50	0	0	0	0	0	0	0	0	0
Aroclor 1260	BRL	0.50	0	0	0	0	0	0	0	0	0
Surr: Decachlorobiphenyl	0.4614	0	0.5	0	92.3	15.5	128	0	0	0	0
Surr: Tetrachloro-m-xylene	0.4582	0	0.5	0	91.6	17.3	125	0	0	0	0

Sample ID: LCS-163357	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224506				
SampleType: LCS	TestCode: POLYCHLORINATED BIPHENYLS	SW8082A			BatchID: 163357	Analysis Date: 07/05/2012	Seq No: 4697244				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	3.863	0.50	5	0	77.3	56.3	135	0	0	0	0
Aroclor 1260	4.063	0.50	5	0	81.3	62.6	135	0	0	0	0
Surr: Decachlorobiphenyl	0.4625	0	0.5	0	92.5	15.5	128	0	0	0	0
Surr: Tetrachloro-m-xylene	0.4253	0	0.5	0	85.1	17.3	125	0	0	0	0

Sample ID: 1206P02-001AMS	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224506				
SampleType: MS	TestCode: POLYCHLORINATED BIPHENYLS	SW8082A			BatchID: 163357	Analysis Date: 07/05/2012	Seq No: 4697275				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	4.566	0.50	5	0	91.3	33.8	140	0	0	0	0
Aroclor 1260	4.561	0.50	5	0	91.2	33.3	140	0	0	0	0
Surr: Decachlorobiphenyl	0.4288	0	0.5	0	85.8	15.5	128	0	0	0	0
Surr: Tetrachloro-m-xylene	0.4445	0	0.5	0	88.9	17.3	125	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163357**

Sample ID: 1206P02-001AMSD	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224506				
SampleType: MSD	TestCode: POLYCHLORINATED BIPHENYLS SW8082A				BatchID: 163357	Analysis Date: 07/05/2012	Seq No: 4697278				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	4.215	0.50	5	0	84.3	33.8	140	4.566	7.99	19.2	
Aroclor 1260	4.289	0.50	5	0	85.8	33.3	140	4.561	6.15	19.4	
Surr: Decachlorobiphenyl	0.4122	0	0.5	0	82.4	15.5	128	0.4288	0	0	
Surr: Tetrachloro-m-xylene	0.4208	0	0.5	0	84.2	17.3	125	0.4445	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163463**

Sample ID: MB-163463	Client ID:					Units: ug/L	Prep Date: 07/05/2012	Run No: 224596
SampleType: MLBK	TestCode: CHLORINATED PESTICIDES, TCL SW8081B					BatchID: 163463	Analysis Date: 07/05/2012	Seq No: 4699831
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
4,4'-DDD	BRL	0.10	0	0	0	0	0	0
4,4'-DDE	BRL	0.10	0	0	0	0	0	0
4,4'-DDT	BRL	0.10	0	0	0	0	0	0
Aldrin	BRL	0.050	0	0	0	0	0	0
alpha-BHC	BRL	0.050	0	0	0	0	0	0
alpha-Chlordane	BRL	0.050	0	0	0	0	0	0
beta-BHC	BRL	0.050	0	0	0	0	0	0
delta-BHC	BRL	0.050	0	0	0	0	0	0
Dieldrin	BRL	0.10	0	0	0	0	0	0
Endosulfan I	BRL	0.050	0	0	0	0	0	0
Endosulfan II	BRL	0.10	0	0	0	0	0	0
Endosulfan sulfate	BRL	0.10	0	0	0	0	0	0
Endrin	BRL	0.10	0	0	0	0	0	0
Endrin aldehyde	BRL	0.10	0	0	0	0	0	0
Endrin ketone	BRL	0.10	0	0	0	0	0	0
gamma-BHC	BRL	0.050	0	0	0	0	0	0
gamma-Chlordane	BRL	0.050	0	0	0	0	0	0
Heptachlor	BRL	0.050	0	0	0	0	0	0
Heptachlor epoxide	BRL	0.050	0	0	0	0	0	0
Methoxychlor	BRL	0.50	0	0	0	0	0	0
Toxaphene	BRL	5.0	0	0	0	0	0	0
Surr: Decachlorobiphenyl	0.3304	0	0.5	0	66.1	16.4	114	0
Surr: Tetrachloro-m-xylene	0.3695	0	0.5	0	73.9	18.4	120	0

Sample ID: LCS-163463	Client ID:					Units: ug/L	Prep Date: 07/05/2012	Run No: 224596
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B					BatchID: 163463	Analysis Date: 07/05/2012	Seq No: 4699834
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified		R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix			

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163463**

Sample ID: LCS-163463	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224596				
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 163463	Analysis Date: 07/05/2012	Seq No: 4699834				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.8382	0.10	1	0	83.8	53.1	133	0	0	0
Aldrin	0.7280	0.050	1	0	72.8	42.4	114	0	0	0
Dieldrin	0.8426	0.10	1	0	84.3	54.1	132	0	0	0
Endrin	0.8465	0.10	1	0	84.7	53.7	136	0	0	0
gamma-BHC	0.8101	0.050	1	0	81	44	133	0	0	0
Heptachlor	0.7568	0.050	1	0	75.7	41.1	124	0	0	0
Surr: Decachlorobiphenyl	0.3647	0	0.5	0	72.9	16.4	114	0	0	0
Surr: Tetrachloro-m-xylene	0.3582	0	0.5	0	71.6	18.4	120	0	0	0

Sample ID: 1206O99-018FMS	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224596				
SampleType: MS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 163463	Analysis Date: 07/05/2012	Seq No: 4699850				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.8480	0.10	1	0	84.8	26.6	137	0	0	0
Aldrin	0.7017	0.050	1	0	70.2	26.1	117	0	0	0
Dieldrin	0.8415	0.10	1	0	84.1	38.5	135	0	0	0
Endrin	0.8481	0.10	1	0	84.8	48.9	138	0	0	0
gamma-BHC	0.7546	0.050	1	0	75.5	36.8	137	0	0	0
Heptachlor	0.7102	0.050	1	0	71	33.2	123	0	0	0
Surr: Decachlorobiphenyl	0.3242	0	0.5	0	64.8	16.4	114	0	0	0
Surr: Tetrachloro-m-xylene	0.2862	0	0.5	0	57.2	18.4	120	0	0	0

Sample ID: 1206O99-018FMSD	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224596				
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 163463	Analysis Date: 07/05/2012	Seq No: 4699859				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.8207	0.10	1	0	82.1	26.6	137	0.8480	3.27	37.8
Aldrin	0.6659	0.050	1	0	66.6	26.1	117	0.7017	5.24	38.3

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163463**

Sample ID: 1206O99-018FMSD	Client ID:				Units: ug/L	Prep Date: 07/05/2012	Run No: 224596				
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 163463	Analysis Date: 07/05/2012	Seq No: 4699859				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	0.8253	0.10	1	0	82.5	38.5	135	0.8415	1.94	25.2	
Endrin	0.8224	0.10	1	0	82.2	48.9	138	0.8481	3.08	28	
gamma-BHC	0.7591	0.050	1	0	75.9	36.8	137	0.7546	0.596	36.5	
Heptachlor	0.6964	0.050	1	0	69.6	33.2	123	0.7102	1.96	40.2	
Surr: Decachlorobiphenyl	0.3418	0	0.5	0	68.4	16.4	114	0.3242	0	0	
Surr: Tetrachloro-m-xylene	0.2931	0	0.5	0	58.6	18.4	120	0.2862	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163604**

Sample ID: MB-163604	Client ID:	Units: ug/L			Prep Date:	07/06/2012	Run No:	224628			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 163604			Analysis Date:	07/06/2012	Seq No:	4700505			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers: > Greater than Result value

< Less than Result value

B Analyte detected in the associated method blank

BRL Below reporting limit

E Estimated (value above quantitation range)

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

R RPD outside limits due to matrix

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163604**

Sample ID: MB-163604	Client ID:	Units: ug/L			Prep Date:	07/06/2012	Run No:	224628			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 163604			Analysis Date:	07/06/2012	Seq No:	4700505			
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	0
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	0
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	0
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	0
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	0
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
Freon-113	BRL	10	0	0	0	0	0	0	0	0	0
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	0
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	0
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	0
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	0
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	0
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	0
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	0
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	0
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	0
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	0
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	0
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	0
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	0
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	0
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	0
Surr: 4-Bromofluorobenzene	42.33	0	50	0	84.7	67.4	123	0	0	0	0
Surr: Dibromofluoromethane	52.15	0	50	0	104	75.5	128	0	0	0	0
Surr: Toluene-d8	48.33	0	50	0	96.7	70	120	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: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163604**

Sample ID: LCS-163604	Client ID: 	Units: ug/L			Prep Date: 07/06/2012	Run No: 224628					
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 163604			Analysis Date: 07/06/2012	Seq No: 4700501					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.36	5.0	50	0	119	60	140	0	0	0	
Benzene	58.77	5.0	50	0	118	70	130	0	0	0	
Chlorobenzene	50.42	5.0	50	0	101	70	130	0	0	0	
Toluene	58.36	5.0	50	0	117	70	130	0	0	0	
Trichloroethene	47.25	5.0	50	0	94.5	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	54.26	0	50	0	109	67.4	123	0	0	0	
Surr: Dibromofluoromethane	50.17	0	50	0	100	75.5	128	0	0	0	
Surr: Toluene-d8	48.92	0	50	0	97.8	70	120	0	0	0	
Sample ID: 1207165-001AMS	Client ID: MW-1R	Units: ug/L			Prep Date: 07/06/2012	Run No: 224628					
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 163604			Analysis Date: 07/06/2012	Seq No: 4700502					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	592.1	50	500	0	118	50.1	179	0	0	0	
Benzene	577.6	50	500	0	116	61.2	150	0	0	0	
Chlorobenzene	485.1	50	500	0	97	72.1	140	0	0	0	
Toluene	570.7	50	500	0	114	58.7	154	0	0	0	
Trichloroethene	478.2	50	500	0	95.6	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	542.5	0	500	0	108	67.4	123	0	0	0	
Surr: Dibromofluoromethane	497.1	0	500	0	99.4	75.5	128	0	0	0	
Surr: Toluene-d8	489.8	0	500	0	98	70	120	0	0	0	
Sample ID: 1207165-001AMSD	Client ID: MW-1R	Units: ug/L			Prep Date: 07/06/2012	Run No: 224628					
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 163604			Analysis Date: 07/06/2012	Seq No: 4700503					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	552.8	50	500	0	111	50.1	179	592.1	6.87	23.3	
Benzene	603.8	50	500	0	121	61.2	150	577.6	4.44	19	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163604**

Sample ID: 1207165-001AMSD	Client ID: MW-1R					Units: ug/L	Prep Date: 07/06/2012	Run No: 224628
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 163604	Analysis Date: 07/06/2012	Seq No: 4700503
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Chlorobenzene	493.7	50	500	0	98.7	72.1	140	485.1
Toluene	580.8	50	500	0	116	58.7	154	570.7
Trichloroethene	475.5	50	500	0	95.1	68.3	149	478.2
Surr: 4-Bromofluorobenzene	552.8	0	500	0	111	67.4	123	542.5
Surr: Dibromofluoromethane	493.0	0	500	0	98.6	75.5	128	497.1
Surr: Toluene-d8	508.2	0	500	0	102	70	120	489.8
								Qual

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163638**

Sample ID: MB-163638	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 07/09/2012	Run No: 224773				
SampleType: MLBK					BatchID: 163638	Analysis Date: 07/10/2012	Seq No: 4704123				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	0
2-Methylnaphthalene	BRL	10	0	0	0	0	0	0	0	0	0
Acenaphthene	BRL	10	0	0	0	0	0	0	0	0	0
Acenaphthylene	BRL	10	0	0	0	0	0	0	0	0	0
Anthracene	BRL	10	0	0	0	0	0	0	0	0	0
Benz(a)anthracene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(a)pyrene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(b)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(g,h,i)perylene	BRL	10	0	0	0	0	0	0	0	0	0
Benzo(k)fluoranthene	BRL	10	0	0	0	0	0	0	0	0	0
Chrysene	BRL	10	0	0	0	0	0	0	0	0	0
Dibenz(a,h)anthracene	BRL	10	0	0	0	0	0	0	0	0	0
Fluoranthene	BRL	10	0	0	0	0	0	0	0	0	0
Fluorene	BRL	10	0	0	0	0	0	0	0	0	0
Indeno(1,2,3-cd)pyrene	BRL	10	0	0	0	0	0	0	0	0	0
Naphthalene	BRL	10	0	0	0	0	0	0	0	0	0
Phenanthrene	BRL	10	0	0	0	0	0	0	0	0	0
Pyrene	BRL	10	0	0	0	0	0	0	0	0	0
Surr: 2-Fluorobiphenyl	30.79	0	50	0	61.6	41	120	0	0	0	0
Surr: 4-Terphenyl-d14	37.16	0	50	0	74.3	55.9	122	0	0	0	0
Surr: Nitrobenzene-d5	33.07	0	50	0	66.1	30.3	122	0	0	0	0

Sample ID: LCS-163638	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 07/09/2012	Run No: 224773				
SampleType: LCS					BatchID: 163638	Analysis Date: 07/10/2012	Seq No: 4704138				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	32.67	10	50	0	65.3	53	120	0	0	0	0
2-Methylnaphthalene	31.43	10	50	0	62.9	51.4	120	0	0	0	0

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163638**

Sample ID: LCS-163638	Client ID:				Units: ug/L	Prep Date: 07/09/2012	Run No: 224773				
SampleType: LCS	TestCode: POLYAROMATIC HYDROCARBONS SW8270D				BatchID: 163638	Analysis Date: 07/10/2012	Seq No: 4704138				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	30.10	10	50	0	60.2	49.2	120	0	0	0	
Acenaphthylene	35.72	10	50	0	71.4	55.3	118	0	0	0	
Anthracene	33.21	10	50	0	66.4	56.6	120	0	0	0	
Benz(a)anthracene	35.41	10	50	0	70.8	52.1	120	0	0	0	
Benzo(a)pyrene	33.25	10	50	0	66.5	57.4	120	0	0	0	
Benzo(b)fluoranthene	36.13	10	50	0	72.3	50.8	120	0	0	0	
Benzo(g,h,i)perylene	31.72	10	50	0	63.4	55	120	0	0	0	
Benzo(k)fluoranthene	31.36	10	50	0	62.7	52.7	120	0	0	0	
Chrysene	31.97	10	50	0	63.9	51.1	120	0	0	0	
Dibenz(a,h)anthracene	34.85	10	50	0	69.7	57.4	120	0	0	0	
Fluoranthene	32.51	10	50	0	65	60.3	115	0	0	0	
Fluorene	32.04	10	50	0	64.1	50.9	120	0	0	0	
Indeno(1,2,3-cd)pyrene	34.90	10	50	0	69.8	54.8	120	0	0	0	
Naphthalene	31.21	10	50	0	62.4	51.6	120	0	0	0	
Phenanthrene	33.23	10	50	0	66.5	55	120	0	0	0	
Pyrene	33.50	10	50	0	67	54.1	120	0	0	0	
Surr: 2-Fluorobiphenyl	34.47	0	50	0	68.9	41	120	0	0	0	
Surr: 4-Terphenyl-d14	43.14	0	50	0	86.3	55.9	122	0	0	0	
Surr: Nitrobenzene-d5	34.57	0	50	0	69.1	30.3	122	0	0	0	

Sample ID: 1207202-002BMS	Client ID:				Units: ug/L	Prep Date: 07/09/2012	Run No: 224838				
SampleType: MS	TestCode: POLYAROMATIC HYDROCARBONS SW8270D				BatchID: 163638	Analysis Date: 07/11/2012	Seq No: 4706732				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	67.51	10	50	8.490	118	40.3	120	0	0	0	
2-Methylnaphthalene	99.95	10	50	13.75	172	40	120	0	0	0	S
Acenaphthene	24.08	10	50	0	48.2	41.2	120	0	0	0	
Acenaphthylene	27.07	10	50	0	54.1	43.6	117	0	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163638**

Sample ID: 1207202-002BMS	Client ID:			Units: ug/L	Prep Date:	07/09/2012	Run No: 224838				
SampleType: MS	TestCode: POLYAROMATIC HYDROCARBONS	SW8270D		BatchID: 163638	Analysis Date:	07/11/2012	Seq No: 4706732				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Anthracene	33.62	10	50	0	67.2	45.7	120	0	0	0	
Benz(a)anthracene	30.94	10	50	0	61.9	47.3	120	0	0	0	
Benzo(a)pyrene	29.15	10	50	0	58.3	47.9	120	0	0	0	
Benzo(b)fluoranthene	30.91	10	50	0	61.8	46.8	120	0	0	0	
Benzo(g,h,i)perylene	31.40	10	50	0	62.8	47.7	120	0	0	0	
Benzo(k)fluoranthene	27.59	10	50	0	55.2	47.6	120	0	0	0	
Chrysene	29.47	10	50	0	58.9	50.1	120	0	0	0	
Dibenz(a,h)anthracene	33.20	10	50	0	66.4	48.4	120	0	0	0	
Fluoranthene	34.98	10	50	0	70	50.7	121	0	0	0	
Fluorene	24.30	10	50	0	48.6	45.3	120	0	0	0	
Indeno(1,2,3-cd)pyrene	31.58	10	50	0	63.2	50.3	120	0	0	0	
Phenanthrene	32.69	10	50	0	65.4	50.5	120	0	0	0	
Pyrene	28.84	10	50	0	57.7	56.6	118	0	0	0	
Surr: 2-Fluorobiphenyl	25.64	0	50	0	51.3	41	120	0	0	0	
Surr: 4-Terphenyl-d14	39.19	0	50	0	78.4	55.9	122	0	0	0	
Surr: Nitrobenzene-d5	27.50	0	50	0	55	30.3	122	0	0	0	

Sample ID: 1207202-002BMS	Client ID:			Units: ug/L	Prep Date:	07/09/2012	Run No: 224838				
SampleType: MS	TestCode: POLYAROMATIC HYDROCARBONS	SW8270D		BatchID: 163638	Analysis Date:	07/11/2012	Seq No: 4707123				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Naphthalene	334.0	50	50	47.65	573	33.9	120	0	0	0	S
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Sample ID: 1207202-002BMSD	Client ID:			Units: ug/L	Prep Date:	07/09/2012	Run No: 224838				
SampleType: MSD	TestCode: POLYAROMATIC HYDROCARBONS	SW8270D		BatchID: 163638	Analysis Date:	07/11/2012	Seq No: 4706733				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1-Methylnaphthalene	69.58	10	50	8.490	122	40.3	120	67.51	3.02	36.8	S
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Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Road
Workorder: 1207165

ANALYTICAL QC SUMMARY REPORT**BatchID: 163638**

Sample ID: 1207202-002BMSD	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 07/09/2012	Run No: 224838				
SampleType: MSD					BatchID: 163638	Analysis Date: 07/11/2012	Seq No: 4706733				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	100.4	10	50	13.75	173	40	120	99.95	0.429	34.9	S
Acenaphthene	23.96	10	50	0	47.9	41.2	120	24.08	0.5	29.6	
Acenaphthylene	26.45	10	50	0	52.9	43.6	117	27.07	2.32	31	
Anthracene	33.57	10	50	0	67.1	45.7	120	33.62	0.149	23.2	
Benz(a)anthracene	29.13	10	50	0	58.3	47.3	120	30.94	6.03	23.5	
Benzo(a)pyrene	28.49	10	50	0	57	47.9	120	29.15	2.29	24.8	
Benzo(b)fluoranthene	29.19	10	50	0	58.4	46.8	120	30.91	5.72	25.1	
Benzo(g,h,i)perylene	29.00	10	50	0	58	47.7	120	31.40	7.95	21.9	
Benzo(k)fluoranthene	27.14	10	50	0	54.3	47.6	120	27.59	1.64	22.5	
Chrysene	28.26	10	50	0	56.5	50.1	120	29.47	4.19	23.3	
Dibenz(a,h)anthracene	31.88	10	50	0	63.8	48.4	120	33.20	4.06	23.7	
Fluoranthene	34.46	10	50	0	68.9	50.7	121	34.98	1.5	23.5	
Fluorene	23.89	10	50	0	47.8	45.3	120	24.30	1.7	27.3	
Indeno(1,2,3-cd)pyrene	30.65	10	50	0	61.3	50.3	120	31.58	2.99	23.7	
Phenanthrene	32.38	10	50	0	64.8	50.5	120	32.69	0.953	24.1	
Pyrene	27.87	10	50	0	55.7	56.6	118	28.84	3.42	20.2	S
Surr: 2-Fluorobiphenyl	24.79	0	50	0	49.6	41	120	25.64	0	0	
Surr: 4-Terphenyl-d14	37.05	0	50	0	74.1	55.9	122	39.19	0	0	
Surr: Nitrobenzene-d5	22.90	0	50	0	45.8	30.3	122	27.50	0	0	

Sample ID: 1207202-002BMSD	Client ID:	TestCode: POLYAROMATIC HYDROCARBONS SW8270D			Units: ug/L	Prep Date: 07/09/2012	Run No: 224969				
SampleType: MSD					BatchID: 163638	Analysis Date: 07/12/2012	Seq No: 4708431				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	335.0	50	50	258.4	153	33.9	120	334.0	0.314	39.2	S

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 11, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Road

Dear Tyler Boyles:

Order No: 1207228

Analytical Environmental Services, Inc. received 1 samples on July 5, 2012 2:30 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 07/01/12-06/30/13.
- 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.

A handwritten signature in black ink that reads "Kathryn E. Waters".

Kathryn Waters
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1207228

Date: 7/5/12 Page 1 of 1

COMPANY: AMEC		ADDRESS: 396 Plaza Ave Atlanta GA		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.									
PHONE: 404 817 0153		FAX: 404 817 0183																			
SAMPLED BY: Tyler Boyle		SIGNATURE: TB																			
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS						
		DATE	TIME				None NA														
1	Mw-1R	7/15/12	1315	X	Gov	X	X												2		
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION								RECEIPT					
1:	TB	7/15/12 1429		1:	TB	7/15/12		PROJECT NAME: 1071 Howell Mill								Total # of Containers 2					
2:				2:				PROJECT #: 6121 12 0175								Turnaround Time Request					
3:				3:				SITE ADDRESS: 1071 Howell Mill								Standard 5 Business Days					
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD								INVOICE TO: (IF DIFFERENT FROM ABOVE)								2 Business Day Rush			
		OUT / /	VIA:																	Next Business Day Rush	
		IN / /	VIA:																	Same Day Rush (auth req.)	
		CLIENT	FedEx UPS MAIL COURIER																	Other _____	
		GREYHOUND OTHER _____																		STATE PROGRAM (if any) _____	
																		E-mail? Y / N; Fax? Y / N			
																		DATA PACKAGE: I II III IV			
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																					

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

PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 11-Jul-12

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-1R					
Project Name:	1071 Howell Mill Road	Collection Date:	7/5/2012 1:15:00 PM					
Lab ID:	1207228-001	Matrix:	Groundwater					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020A							(SW3005A)	
Arsenic	BRL	5.00		ug/L	163666	1	07/11/2012 12:39	JY
Barium	98.7	10.0		ug/L	163666	1	07/11/2012 12:39	JY
Cadmium	BRL	0.700		ug/L	163666	1	07/11/2012 12:39	JY
Chromium	BRL	5.00		ug/L	163666	1	07/11/2012 12:39	JY
Lead	1.67	1.00		ug/L	163666	1	07/11/2012 12:39	JY
Selenium	BRL	5.00		ug/L	163666	1	07/11/2012 12:39	JY
Silver	BRL	1.00		ug/L	163666	1	07/11/2012 12:39	JY
Mercury, Total SW7470A							(SW7470A)	
Mercury	BRL	0.00020		mg/L	163593	1	07/09/2012 18:43	LD
Mercury, Dissolved SW7470A							(SW7470A)	
Mercury	BRL	0.00020		mg/L	163661	1	07/10/2012 16:18	LD
Dissolved Metals by ICP/MS SW6020A							(SW3005A)	
Arsenic	BRL	5.00		ug/L	163469	1	07/06/2012 14:40	JY
Barium	99.5	10.0		ug/L	163469	1	07/06/2012 14:40	JY
Cadmium	BRL	0.700		ug/L	163469	1	07/06/2012 14:40	JY
Chromium	BRL	5.00		ug/L	163469	1	07/06/2012 14:40	JY
Lead	BRL	1.00		ug/L	163469	1	07/06/2012 14:40	JY
Selenium	BRL	5.00		ug/L	163469	1	07/06/2012 14:40	JY
Silver	BRL	1.00		ug/L	163469	1	07/06/2012 14:40	JY

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC

Work Order Number 1007228

Checklist completed by JLLWV Signature

Date 07/05/2011

Carrier name: FedEx UPS Courier Client US Mail Other

Shipping container/coolers in good condition? Yes No Not Present

Custody seals intact on shipping container/coolers? 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 #1 310 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? Checked by DN

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client: AMEC E&I, Inc.
Project: 1071 Howell Mill Road
Lab Order: 1207228

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1207228-001A	MW-1R	7/5/2012 1:15:00PM	Groundwater	Total Metals by ICP/MS		07/10/2012	07/11/2012
1207228-001A	MW-1R	7/5/2012 1:15:00PM	Groundwater	TOTAL MERCURY		07/09/2012	07/09/2012
1207228-001B	MW-1R	7/5/2012 1:15:00PM	Groundwater	Dissolved Metals by ICP/MS		07/06/2012	07/06/2012
1207228-001B	MW-1R	7/5/2012 1:15:00PM	Groundwater	MERCURY, DISSOLVED		07/10/2012	07/10/2012

CLIENT: AMEC E&I, Inc.

Work Order: 1207228

Project: 1071 Howell Mill Road

ANALYTICAL QC SUMMARY REPORT

TestCode: Total Metals by ICP/MS SW6020A

Sample ID: MB-163666	SampType: MBLK	Batch ID: 163666	Units: ug/L	Prep Date: 7/10/2012	RunNo: 224856
Client ID:	TestCode: Total Metals by ICP/MS SW6020A			Analysis Date: 7/11/2012	SeqNo: 4706045
Analyte Result RPT Limit SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual					

Arsenic	BRL	5.00	0	0	0	0	0	0	0	0
Barium	BRL	10.0	0	0	0	0	0	0	0	0
Cadmium	BRL	0.700	0	0	0	0	0	0	0	0
Chromium	BRL	5.00	0	0	0	0	0	0	0	0
Lead	BRL	1.00	0	0	0	0	0	0	0	0
Selenium	BRL	5.00	0	0	0	0	0	0	0	0
Silver	BRL	1.00	0	0	0	0	0	0	0	0

Sample ID: LCS-163666	SampType: LCS	Batch ID: 163666	Units: ug/L	Prep Date: 7/10/2012	RunNo: 224856
Client ID:	TestCode: Total Metals by ICP/MS SW6020A			Analysis Date: 7/11/2012	SeqNo: 4706044
Analyte Result RPT Limit SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual					

Arsenic	90.29	5.00	100	0	90.3	80	120	0	0
Barium	91.03	10.0	100	0	91	80	120	0	0
Cadmium	90.99	0.700	100	0.057	90.9	80	120	0	0
Chromium	89.58	5.00	100	0	89.6	80	120	0	0
Lead	90.48	1.00	100	0	90.5	80	120	0	0
Selenium	93.71	5.00	100	0	93.7	80	120	0	0
Silver	9.112	1.00	10	0.023	90.9	80	120	0	0

Sample ID: 1207228-001AMS	SampType: MS	Batch ID: 163666	Units: ug/L	Prep Date: 7/10/2012	RunNo: 224856
Client ID: MW-1R	TestCode: Total Metals by ICP/MS SW6020A			Analysis Date: 7/11/2012	SeqNo: 4706047
Analyte Result RPT Limit SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual					

Arsenic	89.23	5.00	100	0.464	88.8	75	125	0	0
Barium	192.8	10.0	100	98.66	94.1	75	125	0	0

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: AMEC E&I, Inc.
Work Order: 1207228
Project: 1071 Howell Mill Road

ANALYTICAL QC SUMMARY REPORT

TestCode: Total Metals by ICP/MS SW6020A

Sample ID: 1207228-001AMS	SampType: MS	Batch ID: 163666	Units: ug/L	Prep Date: 7/10/2012	RunNo: 224856						
Client ID: MW-1R	TestCode: Total Metals by ICP/MS SW6020A			Analysis Date: 7/11/2012	SeqNo: 4706047						
<hr/>											
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	94.27	0.700	100	0.37	93.9	75	125	0	0		
Chromium	90.27	5.00	100	0.395	89.9	75	125	0	0		
Lead	95.94	1.00	100	1.673	94.3	75	125	0	0		
Selenium	91.94	5.00	100	1.612	90.3	75	125	0	0		
Silver	9.079	1.00	10	0	90.8	75	125	0	0		

Sample ID: 1207228-001AMSD	SampType: MSD	Batch ID: 163666	Units: ug/L	Prep Date: 7/10/2012	RunNo: 224856						
Client ID: MW-1R	TestCode: Total Metals by ICP/MS SW6020A			Analysis Date: 7/11/2012	SeqNo: 4706048						
<hr/>											
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	90.79	5.00	100	0.464	90.3	75	125	89.23	1.73	20	
Barium	191.8	10.0	100	98.66	93.1	75	125	192.8	0.520	20	
Cadmium	95.2	0.700	100	0.37	94.8	75	125	94.27	0.982	20	
Chromium	90.9	5.00	100	0.395	90.5	75	125	90.27	0.695	20	
Lead	96.32	1.00	100	1.673	94.6	75	125	95.94	0.395	20	
Selenium	93.99	5.00	100	1.612	92.4	75	125	91.94	2.21	20	
Silver	9.047	1.00	10	0	90.5	75	125	9.079	0.353	20	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: AMEC E&I, Inc.
Work Order: 1207228
Project: 1071 Howell Mill Road

ANALYTICAL QC SUMMARY REPORT

TestCode: Dissolved Metals by ICP/MS SW6020A

Sample ID: MB-163469	SampType: MLBK	Batch ID: 163469	Units: ug/L	Prep Date: 7/5/2012	RunNo: 224550						
Client ID:	TestCode: Dissolved Metals by ICP/MS SW6020A			Analysis Date: 7/5/2012	SeqNo: 4698646						
<hr/>											
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	10.0	0	0	0	0	0	0	0	0	
Cadmium	BRL	0.700	0	0	0	0	0	0	0	0	
Chromium	BRL	5.00	0	0	0	0	0	0	0	0	
Lead	BRL	1.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Silver	BRL	1.00	0	0	0	0	0	0	0	0	
<hr/>											
Sample ID: LCS-163469	SampType: LCS	Batch ID: 163469	Units: ug/L	Prep Date: 7/5/2012	RunNo: 224550						
Client ID:	TestCode: Dissolved Metals by ICP/MS SW6020A			Analysis Date: 7/5/2012	SeqNo: 4698644						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	91.72	5.00	100	0	91.7	80	120	0	0	0	
Barium	92.97	10.0	100	0	93	80	120	0	0	0	
Cadmium	94.45	0.700	100	0	94.4	80	120	0	0	0	
Chromium	93.69	5.00	100	0	93.7	80	120	0	0	0	
Lead	93.39	1.00	100	0	93.4	80	120	0	0	0	
Selenium	96	5.00	100	0	96	80	120	0	0	0	
Silver	9.323	1.00	10	0.02	93	80	120	0	0	0	
<hr/>											
Sample ID: 1206N78-001AMS	SampType: MS	Batch ID: 163469	Units: ug/L	Prep Date: 7/5/2012	RunNo: 224550						
Client ID:	TestCode: Dissolved Metals by ICP/MS SW6020A			Analysis Date: 7/5/2012	SeqNo: 4698656						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	113.5	5.00	100	10.5	103	75	125	0	0	0	
Barium	137.5	10.0	100	42.26	95.2	75	125	0	0	0	
Cadmium	95.48	0.700	100	0	95.5	75	125	0	0	0	
Chromium	94.59	5.00	100	1.352	93.2	75	125	0	0	0	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: AMEC E&I, Inc.
Work Order: 1207228
Project: 1071 Howell Mill Road

ANALYTICAL QC SUMMARY REPORT

TestCode: Dissolved Metals by ICP/MS SW6020A

Sample ID: 1206N78-001AMS	SampType: MS	Batch ID: 163469	Units: ug/L	Prep Date: 7/5/2012	RunNo: 224550						
Client ID:	TestCode: Dissolved Metals by ICP/MS SW6020A			Analysis Date: 7/5/2012	SeqNo: 4698656						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	95.45	1.00	100	0	95.4	75	125	0	0		
Selenium	135.5	5.00	100	1.235	134	75	125	0	0	S	
Silver	7.198	1.00	10	0	72	75	125	0	0	S	

Sample ID: 1206N78-001AMSD	SampType: MSD	Batch ID: 163469	Units: ug/L	Prep Date: 7/5/2012	RunNo: 224550						
Client ID:	TestCode: Dissolved Metals by ICP/MS SW6020A			Analysis Date: 7/5/2012	SeqNo: 4698659						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	113.4	5.00	100	10.5	103	75	125	113.5	0.0881	20	
Barium	136.7	10.0	100	42.26	94.4	75	125	137.5	0.584	20	
Cadmium	95.19	0.700	100	0	95.2	75	125	95.48	0.304	20	
Chromium	94.03	5.00	100	1.352	92.7	75	125	94.59	0.594	20	
Lead	95.59	1.00	100	0	95.6	75	125	95.45	0.147	20	
Selenium	135.8	5.00	100	1.235	135	75	125	135.5	0.221	20	S
Silver	7.482	1.00	10	0	74.8	75	125	7.198	3.87	20	S

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: AMEC E&I, Inc.
Work Order: 1207228
Project: 1071 Howell Mill Road

ANALYTICAL QC SUMMARY REPORT

TestCode: Mercury, Dissolved SW7470A

Sample ID: MB-163661	SampType: MBLK	Batch ID: 163661	Units: mg/L	Prep Date: 7/10/2012	RunNo: 224798
Client ID:	TestCode: Mercury, Dissolved SW7470A			Analysis Date: 7/10/2012	SeqNo: 4704648
Analyte					
Mercury	Result: BRL	RPT Limit: 0.000200	SPK value: 0	SPK Ref Val: 0	%REC: 0
				LowLimit: 0	HighLimit: 0
				RPD Ref Val: 0	%RPD: 0
				RPD Limit: 0	Qual: 0
Sample ID: LCS-163661	SampType: LCS	Batch ID: 163661	Units: mg/L	Prep Date: 7/10/2012	RunNo: 224798
Client ID:	TestCode: Mercury, Dissolved SW7470A			Analysis Date: 7/10/2012	SeqNo: 4704651
Analyte					
Mercury	Result: 0.005061	RPT Limit: 0.000200	SPK value: 0.005	SPK Ref Val: 0	%REC: 101
				LowLimit: 85	HighLimit: 115
				RPD Ref Val: 0	%RPD: 0
				RPD Limit: 0	Qual: 0
Sample ID: 1207228-001BMS	SampType: MS	Batch ID: 163661	Units: mg/L	Prep Date: 7/10/2012	RunNo: 224798
Client ID: MW-1R	TestCode: Mercury, Dissolved SW7470A			Analysis Date: 7/10/2012	SeqNo: 4704658
Analyte					
Mercury	Result: 0.005038	RPT Limit: 0.000200	SPK value: 0.005	SPK Ref Val: 0	%REC: 101
				LowLimit: 70	HighLimit: 130
				RPD Ref Val: 0	%RPD: 0
				RPD Limit: 0	Qual: 0
Sample ID: 1207228-001BMSD	SampType: MSD	Batch ID: 163661	Units: mg/L	Prep Date: 7/10/2012	RunNo: 224798
Client ID: MW-1R	TestCode: Mercury, Dissolved SW7470A			Analysis Date: 7/10/2012	SeqNo: 4704661
Analyte					
Mercury	Result: 0.005149	RPT Limit: 0.000200	SPK value: 0.005	SPK Ref Val: 0	%REC: 103
				LowLimit: 70	HighLimit: 130
				RPD Ref Val: 0.005038	%RPD: 2.17
				RPD Limit: 20	Qual: 20

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: AMEC E&I, Inc.
Work Order: 1207228
Project: 1071 Howell Mill Road

ANALYTICAL QC SUMMARY REPORT

TestCode: Mercury, Total SW7470A

Sample ID: MB-163593	SampType: MBLK	Batch ID: 163593	Units: mg/L	Prep Date: 7/9/2012	RunNo: 224730
Client ID:	TestCode: Mercury, Total SW7470A			Analysis Date: 7/9/2012	SeqNo: 4702893
Analyte					
Mercury	Result BRL	RPT Limit 0.000200	SPK value 0	SPK Ref Val 0	%REC 0
				LowLimit 0	HighLimit 0
				RPD Ref Val 0	%RPD 0
				RPDLimit 0	Qual 0
Sample ID: LCS-163593	SampType: LCS	Batch ID: 163593	Units: mg/L	Prep Date: 7/9/2012	RunNo: 224730
Client ID:	TestCode: Mercury, Total SW7470A			Analysis Date: 7/9/2012	SeqNo: 4702897
Analyte					
Mercury	Result 0.004584	RPT Limit 0.000200	SPK value 0.005	SPK Ref Val 0	%REC 91.7
				LowLimit 85	HighLimit 115
				RPD Ref Val 0	%RPD 0
				RPDLimit 0	Qual 0
Sample ID: 1207228-001AMS	SampType: MS	Batch ID: 163593	Units: mg/L	Prep Date: 7/9/2012	RunNo: 224730
Client ID: MW-1R	TestCode: Mercury, Total SW7470A			Analysis Date: 7/9/2012	SeqNo: 4702916
Analyte					
Mercury	Result 0.004653	RPT Limit 0.000200	SPK value 0.005	SPK Ref Val 0	%REC 93.1
				LowLimit 70	HighLimit 130
				RPD Ref Val 0	%RPD 0
				RPDLimit 0	Qual 0
Sample ID: 1207228-001AMSD	SampType: MSD	Batch ID: 163593	Units: mg/L	Prep Date: 7/9/2012	RunNo: 224730
Client ID: MW-1R	TestCode: Mercury, Total SW7470A			Analysis Date: 7/9/2012	SeqNo: 4702920
Analyte					
Mercury	Result 0.004649	RPT Limit 0.000200	SPK value 0.005	SPK Ref Val 0	%REC 93
				LowLimit 70	HighLimit 130
				RPD Ref Val 0.004653	%RPD 0.0859
				RPDLimit 20	Qual 0

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



AES
July 15, 2003

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Brent Cortelloni
Environmental Management Associates, LLC
4488 Commerce Drive
Suite A
Buford, Georgia 30518

TEL: (770) 271-4628
FAX (770) 271-8944

RE: Sunlow

Order No.: 0307107

Dear Brent Cortelloni:

Analytical Environmental Servs, Inc. received 21 samples on 7/2/2003 5:50:00 PM for the analyses presented in the 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, effective 07/02/02-06/30/04.
- AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 10/01/03.

These results relate only to the items tested. This report may only be reproduced in full and contains 30 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell
Project Manager

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

CHAIN OF CUSTODY

Work Order: 230701

Date: _____ Page 1 of 2

COMPANY: <i>EMA/SC</i>		ADDRESS:			ANALYSIS REQUESTED												REMARKS	No # of Containers
PHONE:		FAX:			<i>Total: 16 containers</i>													
SAMPLED BY: <i>J. SCHWALLER</i>		SIGNATURE:																
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION											
		DATE	TIME															
BN-1 (10-15)	7/2/03		X	S													METALS	1
BN-1 (25-30)																	BORIUM	1
BN-2 (5-5)																	CADMIUM	1
BN-2 (10-15)																	CHROMIUM	1
BN-2 (15-20)																	ARSENIC	1
BN-3 (15-20)																	LEAD	1
BN-3 (25-40)																		1
BN-4 (15-20)																	O.D.D.	1
BN-4 (25-30)																	BY 7/12/03	1
BN-5 (15-20)																		1
BN-5 (25-30)																		1
BN-6 (15-20)																		1
BN-6 (20-25)		▼		X		▼												1
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION												RECEIPT		
1:	<i>7/2/03 1750</i>	<i>John</i>	<i>5:50 pm 7-02-03</i>	PROJECT NAME: <i>SUN LOW</i>												Total # of Containers	<i>13</i>	
2:		2:		PROJECT #: _____ FAC ID#: _____												Turnaround Time Request Standard 3-5 Business Days		
3:		3:		SITE ADDRESS: _____												Same Day Rush (auth req.) Next Business Day Rush		
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD			PROJECT MANAGER: _____												2 Business Day Rush Other _____	
		OUT / /	VIA: _____	INVOICE TO: (IF DIFFERENT FROM ABOVE)												PROGRAM (see codes): _____		
		IN / /	VIA: _____															
		<i>CLIENT</i>	FedEx UPS MAIL COURIER															
PO#:		GREYHOUND OTHER _____															DATA PACKAGE: I II III IV	
QUOTE/CONTRACT #: <i>0</i>																		

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

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

PRO: _____ F1: _____ FLDC: _____ UST: _____ T M: _____ NCU: _____ UST: _____ GAC: _____ FLCO: _____

White ORIG: *Yellow* AB: *Yellow* - C1: *Yellow*

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3785 Presidential Pkwy., Atlanta, GA 30340-3704
TEL : (770) 457-8177 / TOLL FREE: (800) 972-4889 / FAX: (770) 457-8189

CHAIN OF CUSTODY

Work Order: 638710

Date: _____ Page _____ of _____

Page 1 of 1

COMPANY: <i>EMA/DC</i>		ADDRESS:		ANALYSIS REQUESTED												
PHONE:		FAX:														
SAMPLED BY: <i>J SCHWALLER</i>		SIGNATURE:														
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION								REMARKS	No # of Containers
		DATE	TIME													
	<i>BN-7 (10-15)</i>	<i>7/2/03</i>	X	S									<i>DATA BY THURS 7/10/03</i>	1		
	<i>BN-7 (15-20)</i>	/	/	/									<i>METALS</i>	1		
	<i>BN-7 (25-30)</i>	/	/	/									<i>ARSENIC</i>	1		
	<i>BN-8 (15-20)</i>	/	/	/									<i>BARIUM</i>	1		
	<i>BN-8 (25-30)</i>	/	/	/									<i>CALCIUM</i>	1		
	<i>BN-9 (0-5)</i>	/	/	/									<i>CHROMIUM</i>	1		
	<i>BN-9 (15-20)</i>	4	4	4									<i>LEAD</i>			
	<i>BN-8 (5-10)</i>	4	4	4												
RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION								RECEIPT			
1:	<i>7/26/03 1750</i>		<i>Dyer, Karen</i>	<i>5:50 7-22-03</i>	PROJECT NAME: <i>SUNLOW</i>								Total # of Containers <i>7</i>			
2:					PROJECT #: _____								Turnaround Time Request <i>20</i>			
3:					FAC ID#: _____								Standard 3-5 Business Days			
				SITE ADDRESS: _____								Same Day Rush (auth req.)				
												Next Business Day Rush				
												2 Business Day Rush				
												Other _____				
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		PROJECT MANAGER: <i>Dr. CORTELLINI</i>								PROGRAM (see codes): _____				
		OUT	VIA:	INVOICE TO: (IF DIFFERENT FROM ABOVE)												
		IN	VIA:													
		<i>CLIENT</i>	FedEx	UPS	MAIL	COURIER										
				GREYHOUND	OTHER _____											
PO#:												DATA PACKAGE: I II III IV				
QUOTE/CONTRACT #:																

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

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

PR A: F1 FLDC UST F M1 NCU: UST C GAC FLCOM

White Cross - ORIGINAL - Yellow Cross - LAB; Post Copy - CLIPART

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client ERA/BC

Date and Time 7/3/03 5:50

Work Order Number 0307107

Received by Nyenvr

Checklist completed by Paul Hacic

Date 7/3/03

Reviewed by AOG Date 7/3/03

Signature

Initials

Carrier name: FedEx UPS Courier Client US Mail Other

Shipping container/cooler in good condition?

Yes No Not Present

Custody seals intact on shipping container/cooler?

Yes No Not Present

Custody seals intact on sample bottles?

Yes No Not Present

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

Container/Temp Blank temperature in compliance?

Yes No

Cooler #1 3.9c ON T45 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes X A6.3 No Not Applicable

Adjusted? Checked by

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT: Environmental Management Associates, LL
Project: Sunlow
Lab Order: 0307107

CASE NARRATIVE**Metals Analysis by Method 6010B:**

Matrix spike recovery for Pb on sample 0307107-001 was outside control limits due to insignificant spike amount as compared to sample concentration. LCS recovery was within control limits.

RPD values for chromium and lead on sample 0307107-001AMSD were outside advisory control limits due to suspected non-homogeneous sample matrix. All percent recoveries were within control limits except as described above.

RPD value for Pb on sample 0307107-015A was outside advisory control limits. The greater than expected variability was the result of values at or near the reporting limit.

Client requested TCLP Arsenic 7/10/03 on sample 0307107-015 "BH-7(15-20)" as standard turnaround time.

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-1(10-15)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-001A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	4.98		mg/Kg	1	7/7/2003 6:19:00 PM
Barium	137	4.98		mg/Kg	1	7/7/2003 6:19:00 PM
Cadmium	BRL	2.49		mg/Kg	1	7/7/2003 6:19:00 PM
Chromium	11.5	2.49		mg/Kg	1	7/7/2003 6:19:00 PM
Lead	479	4.98		mg/Kg	1	7/7/2003 6:19:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-1(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-002A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.03		mg/Kg	1	7/7/2003 6:33:00 PM
Barium	70.5	4.03		mg/Kg	1	7/7/2003 6:33:00 PM
Cadmium	BRL	2.01		mg/Kg	1	7/7/2003 6:33:00 PM
Chromium	8.75	2.01		mg/Kg	1	7/7/2003 6:33:00 PM
Lead	8.23	4.03		mg/Kg	1	7/7/2003 6:33:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-2(0-5)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-003A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	13.1	4.81		mg/Kg	1	7/7/2003 6:37:00 PM
Barium	155	4.81		mg/Kg	1	7/7/2003 6:37:00 PM
Cadmium	BRL	2.41		mg/Kg	1	7/7/2003 6:37:00 PM
Chromium	18.5	2.41		mg/Kg	1	7/7/2003 6:37:00 PM
Lead	136	4.81		mg/Kg	1	7/7/2003 6:37:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-2(10-15)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-004A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	11.8	3.66		mg/Kg	1	7/7/2003 6:42:00 PM
Barium	109	3.66		mg/Kg	1	7/7/2003 6:42:00 PM
Cadmium	BRL	1.83		mg/Kg	1	7/7/2003 6:42:00 PM
Chromium	37.4	1.83		mg/Kg	1	7/7/2003 6:42:00 PM
Lead	195	3.66		mg/Kg	1	7/7/2003 6:42:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-2(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-005A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.36		mg/Kg	1	7/7/2003 6:46:00 PM
Barium	53.6	4.36		mg/Kg	1	7/7/2003 6:46:00 PM
Cadmium	BRL	2.18		mg/Kg	1	7/7/2003 6:46:00 PM
Chromium		4.27		mg/Kg	1	7/7/2003 6:46:00 PM
Lead		20.2		mg/Kg	1	7/7/2003 6:46:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-3(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-006A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.30		mg/Kg	1	Analyst: CDW 7/7/2003 6:51:00 PM
Barium	60.4	4.30		mg/Kg	1	7/7/2003 6:51:00 PM
Cadmium	BRL	2.15		mg/Kg	1	7/7/2003 6:51:00 PM
Chromium	8.26	2.15		mg/Kg	1	7/7/2003 6:51:00 PM
Lead	26.2	4.30		mg/Kg	1	7/7/2003 6:51:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT: Environmental Management Associates, LL **Client Sample ID:** BH-3(35-40)
Lab Order: 0307107 **Tag Number:**
Project: Sunlow **Collection Date:** 7/2/2003
Lab ID: 0307107-007A **Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.15		mg/Kg	1	7/7/2003 7:06:00 PM
Barium	90.4	4.15		mg/Kg	1	7/7/2003 7:06:00 PM
Cadmium	BRL	2.08		mg/Kg	1	7/7/2003 7:06:00 PM
Chromium	9.45	2.08		mg/Kg	1	7/7/2003 7:06:00 PM
Lead	5.64	4.15		mg/Kg	1	7/7/2003 7:06:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Page 7 of 21

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-4(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-008A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	3.66		mg/Kg	1	7/7/2003 7:11:00 PM
Barium	86.2	3.66		mg/Kg	1	7/7/2003 7:11:00 PM
Cadmium	BRL	1.83		mg/Kg	1	7/7/2003 7:11:00 PM
Chromium	11.6	1.83		mg/Kg	1	7/7/2003 7:11:00 PM
Lead	32.9	3.66		mg/Kg	1	7/7/2003 7:11:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-4(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-009A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	3.86		mg/Kg	1	7/7/2003 7:15:00 PM
Barium	89.7	3.86		mg/Kg	1	7/7/2003 7:15:00 PM
Cadmium	BRL	1.93		mg/Kg	1	7/7/2003 7:15:00 PM
Chromium	8.51	1.93		mg/Kg	1	7/7/2003 7:15:00 PM
Lead	6.25	3.86		mg/Kg	1	7/7/2003 7:15:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-5(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-010A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	14.0	4.23		mg/Kg	1	7/7/2003 7:20:00 PM
Barium	229	4.23		mg/Kg	1	7/7/2003 7:20:00 PM
Cadmium	BRL	2.11		mg/Kg	1	7/7/2003 7:20:00 PM
Chromium	19.9	2.11		mg/Kg	1	7/7/2003 7:20:00 PM
Lead	1960	4.23		mg/Kg	1	7/7/2003 7:20:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-5(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-011A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.34		mg/Kg	1	7/7/2003 7:24:00 PM
Barium	47.6	4.34		mg/Kg	1	7/7/2003 7:24:00 PM
Cadmium	BRL	2.17		mg/Kg	1	7/7/2003 7:24:00 PM
Chromium	8.99	2.17		mg/Kg	1	7/7/2003 7:24:00 PM
Lead	13.2	4.34		mg/Kg	1	7/7/2003 7:24:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-6(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-012A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	19.3	4.51		mg/Kg	1	7/7/2003 7:29:00 PM
Barium	817	4.51		mg/Kg	1	7/7/2003 7:29:00 PM
Cadmium	4.14	2.25		mg/Kg	1	7/7/2003 7:29:00 PM
Chromium	23.6	2.25		mg/Kg	1	7/7/2003 7:29:00 PM
Lead	884	4.51		mg/Kg	1	7/7/2003 7:29:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-6(20-25)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-013A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	3.94		mg/Kg	1	7/7/2003 7:33:00 PM
Barium	76.3	3.94		mg/Kg	1	7/7/2003 7:33:00 PM
Cadmium	BRL	1.97		mg/Kg	1	7/7/2003 7:33:00 PM
Chromium		7.61	1.97	mg/Kg	1	7/7/2003 7:33:00 PM
Lead		11.8	3.94	mg/Kg	1	7/7/2003 7:33:00 PM

Analyst: CDW

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-7(10-15)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-014A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
			SW6010B			Analyst: CDW
Arsenic	46.4	4.80		mg/Kg	1	7/7/2003 7:38:00 PM
Barium	509	4.80		mg/Kg	1	7/7/2003 7:38:00 PM
Cadmium	4.70	2.40		mg/Kg	1	7/7/2003 7:38:00 PM
Chromium	29.6	2.40		mg/Kg	1	7/7/2003 7:38:00 PM
Lead	1160	4.80		mg/Kg	1	7/7/2003 7:38:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-7(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-015A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TCLP				SW1311/6010B		Analyst: CDW
Arsenic	BRL	0.0500		mg/L	1	7/15/2003 12:31:00 PM
METALS, TOTAL				SW6010B		Analyst: CDW
Arsenic	47.0	4.59		mg/Kg	1	7/7/2003 7:42:00 PM
Barium	509	4.59		mg/Kg	1	7/7/2003 7:42:00 PM
Cadmium	BRL	2.30		mg/Kg	1	7/7/2003 7:42:00 PM
Chromium	25.0	2.30		mg/Kg	1	7/7/2003 7:42:00 PM
Lead	1090	4.59		mg/Kg	1	7/7/2003 7:42:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT: Environmental Management Associates, LL
Lab Order: 0307107
Project: Sunlow
Lab ID: 0307107-016A

Client Sample ID: BH-7(25-30)
Tag Number:
Collection Date: 7/2/2003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	4.85		mg/Kg	1	7/7/2003 7:47:00 PM
Barium	84.0	4.85		mg/Kg	1	7/7/2003 7:47:00 PM
Cadmium	BRL	2.43		mg/Kg	1	7/7/2003 7:47:00 PM
Chromium	10.3	2.43		mg/Kg	1	7/7/2003 7:47:00 PM
Lead	19.2	4.85		mg/Kg	1	7/7/2003 7:47:00 PM

Analyst: CDW

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-8(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-017A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	4.51		mg/Kg	1	7/7/2003 8:02:00 PM
Barium	311	4.51		mg/Kg	1	7/7/2003 8:02:00 PM
Cadmium	BRL	2.26		mg/Kg	1	7/7/2003 8:02:00 PM
Chromium	14.5	2.26		mg/Kg	1	7/7/2003 8:02:00 PM
Lead	314	4.51		mg/Kg	1	7/7/2003 8:02:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-8(25-30)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-018A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	3.84		mg/Kg	1	7/7/2003 8:07:00 PM
Barium	52.1	3.84		mg/Kg	1	7/7/2003 8:07:00 PM
Cadmium	BRL	1.92		mg/Kg	1	7/7/2003 8:07:00 PM
Chromium	22.6	1.92		mg/Kg	1	7/7/2003 8:07:00 PM
Lead	15.7	3.84		mg/Kg	1	7/7/2003 8:07:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-9(0-5)		
Lab Order:	0307107	Tag Number:			
Project:	Sunlow	Collection Date:	7/2/2003		
Lab ID:	0307107-019A	Matrix:	SOIL		
<hr/>					
Analyses	Result	Limit	Qual Units	DF	Date Analyzed
METALS, TOTAL				Analyst: CDW	
Arsenic	BRL	4.67	mg/Kg	1	7/7/2003 8:11:00 PM
Barium	161	4.67	mg/Kg	1	7/7/2003 8:11:00 PM
Cadmium	BRL	2.34	mg/Kg	1	7/7/2003 8:11:00 PM
Chromium	15.6	2.34	mg/Kg	1	7/7/2003 8:11:00 PM
Lead	192	4.67	mg/Kg	1	7/7/2003 8:11:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-9(15-20)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-020A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	3.92		mg/Kg	1	7/7/2003 8:16:00 PM
Barium	57.0	3.92		mg/Kg	1	7/7/2003 8:16:00 PM
Cadmium	BRL	1.96		mg/Kg	1	7/7/2003 8:16:00 PM
Chromium	27.4	1.96		mg/Kg	1	7/7/2003 8:16:00 PM
Lead	9.86	3.92		mg/Kg	1	7/7/2003 8:16:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 15-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-8(5-10)
Lab Order:	0307107	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0307107-021A	Matrix:	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	3.11		mg/Kg	1	7/7/2003 3:20:00 PM
Barium		118	3.11	mg/Kg	1	7/7/2003 3:20:00 PM
Cadmium		BRL	1.56	mg/Kg	1	7/7/2003 3:20:00 PM
Chromium		30.8	1.56	mg/Kg	1	7/7/2003 3:20:00 PM
Lead		9.37	3.11	mg/Kg	1	7/7/2003 3:20:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

CLIENT: Environmental Management Associates, LL
Work Order: 0307107
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT**TestCode: 1311_M**

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
Client ID:	Batch ID:	TestNo:		Analysis Date:	SeqNo:						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.250									
Sample ID	LCS-35942	SampType: LCS	TestCode: 1311_M	Units: mg/L	Prep Date: 7/14/2003	RunNo: 40371					
Client ID:	Batch ID: 35942	TestNo: SW1311/6010		Analysis Date: 7/15/2003	SeqNo: 729424						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.205	0.250	5	0	104	85	115	0	0	*	
Sample ID	0307107-015AMS	SampType: MS	TestCode: 1311_M	Units: mg/L	Prep Date: 7/14/2003	RunNo: 40371					
Client ID:	BH-7(15-20)	Batch ID: 35942	TestNo: SW1311/6010		Analysis Date: 7/15/2003	SeqNo: 729430					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.303	0.250	5	0	106	50	150	0	0	*	
Sample ID	0307107-015ADUP	SampType: DUP	TestCode: 1311_M	Units: mg/L	Prep Date: 7/14/2003	RunNo: 40371					
Client ID:	BH-7(15-20)	Batch ID: 35942	TestNo: SW1311/6010		Analysis Date: 7/15/2003	SeqNo: 729429					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.250	0	0	0	0	0	0	0	30	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Environmental Management Associates, LL
Work Order: 0307107
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID	MB-35648	SampType:	MBLK	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096		
Client ID:		Batch ID:	35648	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722661		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	5.00										
Barium		BRL	5.00										
Cadmium		BRL	2.50										
Chromium		BRL	2.50										
Lead		BRL	5.00										
Sample ID	MB-35672	SampType:	MBLK	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096		
Client ID:		Batch ID:	35672	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722885		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	5.00										
Barium		BRL	5.00										
Cadmium		BRL	2.50										
Chromium		BRL	2.50										
Lead		BRL	5.00										
Sample ID	LCS-35648	SampType:	LCS	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096		
Client ID:		Batch ID:	35648	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722660		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		47.02	5.00	50	0.3175	93.4	80	120	0	0			
Barium		48.63	5.00	50	0	97.3	80	120	0	0			
Cadmium		49.16	2.50	50	0.0255	98.3	80	120	0	0			
Chromium		49.24	2.50	50	0.113	98.2	80	120	0	0			
Lead		47.5	5.00	50	0.3465	94.3	80	120	0	0			
Sample ID	LCS-35672	SampType:	LCS	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096		
Client ID:	<th>Batch ID:</th> <td>35672</td> <th>TestNo:</th> <td>SW6010B</td> <th></th> <th></th> <th>Analysis Date:</th> <td>7/7/2003</td> <th>SeqNo:</th> <td>722883</td>	Batch ID:	35672	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722883		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified	
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits			

CLIENT: Environmental Management Associates, LL
Work Order: 0307107
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID	LCS-35672	SampType:	LCS	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096	
Client ID:		Batch ID:	35672	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722883	
<hr/>												
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		48.3	5.00	50	0	96.6	80	120	0	0		
Barium		50	5.00	50	0	100	80	120	0	0		
Cadmium		50.75	2.50	50	0.013	101	80	120	0	0		
Chromium		51.13	2.50	50	0	102	80	120	0	0		
Lead		49.45	5.00	50	0.3205	98.3	80	120	0	0		
Sample ID	0307078-009AMS	SampType:	MS	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096	
Client ID:		Batch ID:	35648	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722664	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		38.97	4.16	41.63	3.023	86.3	75	125	0	0		
Barium		52.9	4.16	41.63	16.75	86.8	75	125	0	0		
Cadmium		38.73	2.08	41.63	0.2321	92.5	75	125	0	0		
Chromium		50.83	2.08	41.63	13.1	90.6	75	125	0	0		
Lead		60.42	4.16	41.63	25.79	83.2	75	125	0	0		
Sample ID	0307107-001AMS	SampType:	MS	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096	
Client ID:	BH-1(10-15)	Batch ID:	35672	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722888	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		47.11	4.98	49.83	3.305	87.9	75	125	0	0		
Barium		194.9	4.98	49.83	137.1	116	75	125	0	0		
Cadmium		46.26	2.49	49.83	0.3262	92.2	75	125	0	0		
Chromium		56.67	2.49	49.83	11.46	90.7	75	125	0	0		
Lead		464.8	4.98	49.83	478.6	-27.7	75	125	0	0		S
Sample ID	0307078-009ADUP	SampType:	DUP	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096	
Client ID:		Batch ID:	35648	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722663	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Environmental Management Associates, LL
Work Order: 0307107
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID	030707B-009ADUP	SampType:	DUP	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096	
Client ID:		Batch ID:	35648	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722663	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	4.15	0	0	0	0	0	3.023	0	20	
Barium		17.47	4.15	0	0	0	0	0	16.75	4.22	20	
Cadmium		BRL	2.07	0	0	0	0	0	0.2321	0	20	
Chromium		12.67	2.07	0	0	0	0	0	13.1	3.32	20	
Lead		24.99	4.15	0	0	0	0	0	25.79	3.17	20	
Sample ID	0307107-001ADUP	SampType:	DUP	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/3/2003	RunNo:	40096	
Client ID:	BH-1(10-15)	Batch ID:	35672	TestNo:	SW6010B			Analysis Date:	7/7/2003	SeqNo:	722887	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	4.93	0	0	0	0	0	3.305	0	20	
Barium		144.6	4.93	0	0	0	0	0	137.1	5.36	20	
Cadmium		BRL	2.46	0	0	0	0	0	0.3262	0	20	
Chromium		8.957	2.46	0	0	0	0	0	11.46	24.5	20 R	
Lead		3661	4.93	0	0	0	0	0	478.6	154	20 R	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES
July 09, 2003

Brent Cortelloni
Environmental Management Associates, LLC
4488 Commerce Drive
Suite A
Buford, Georgia 30518
TEL: (770) 271-4628
FAX (770) 271-8944

RE: Sunlow

Order No.: 0307153

Dear Brent Cortelloni:

Analytical Environmental Servs, Inc. received 3 samples on 7/7/2003 1:25:00 PM for the analyses presented in the 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, effective 07/01/02-06/30/04.
- AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 03/01/03.

These results relate only to the items tested. This report may only be reproduced in full and contains 8 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell

Allison Cantrell
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3785 Presidential Pkwy., Atlanta, GA 30340-0370

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

CHAIN OF CUSTODY

Work Order: 0307153

Date: _____

Page 1 of 1

COMPANY: <i>EWA/BC</i>		ADDRESS:			ANALYSIS REQUESTED												REMARKS	No # of Containers			
PHONE:		FAX:			<i>Total metals</i>																
SAMPLED BY: <i>B. Lutzell & J. Schall</i>		SIGNATURE:			PRESERVATION																
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)															
		DATE	TIME																		
MW-1	7-7-03	X		X																	
MW-2		X		X																	
* MW-2 DIS		X		X																	
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION												RECEIPT	
1: <i>HLH 7/7/03</i>		1: <i>Paul Henrie 7/7/03</i>		2: <i>Paul Henrie 7/7/03</i>		2: <i>Paul Henrie 7/7/03</i>		PROJECT NAME: <i>Sunflow</i>												Total # of Containers	
2:								PROJECT #: 191												Turnaround Time Request	
3:								FAC ID#:												Standard 3-5 Business Days	
								SITE ADDRESS:												Same Day Rush (auth req.)	
																				Next Business Day Rush	
																				2 Business Day Rush	
																				Other _____	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT / /		VIA:		PROJECT MANAGER: <i>A. Carter</i>												PROGRAM (see codes):	
		IN / /		VIA:		INVOICE TO: (IF DIFFERENT FROM ABOVE)															
		<i>CLIENT FedEx</i>		UPS MAIL COURIER																	
		GREYHOUND		OTHER																	
PO#:																		DATA PACKAGE: I II III IV			
QUOTE/CONTRACT #:																					

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

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

PR M: F FLD JUST ST M NCU COUST COUFT GAOFLCC

White Copy ORIGINAL Yellow Copy LAB; Pink Copy - CLIENT

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client EMA | BC
 Work Order Number 0307153
 Checklist completed by Myleen Oban Signature A Date 7-7-03

Date and Time 7-7-03 1:25
 Received by Amel Hadzic
 Reviewed by AG Initials 7-7-03 Date

Carrier name: FedEx UPS Courier Client US Mail Other _____

- | | | | |
|--|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Was TAT marked on the COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Proceed with Standard TAT as per project history? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Cooler #1 <u>4.7°C</u> Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler #5 _____ Cooler #6 _____ | | | |
| Water - VOA vials have zero headspace? | No VOA vials submitted Yes <input type="checkbox"/> No <input type="checkbox"/> | | |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Adjusted? _____ Checked by X. O

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action

Analytical Environmental Servs, Inc.

Date: 09-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	MW-1
Lab Order:	0307153	Tag Number:	
Project:	Sunlow	Collection Date:	7/7/2003
Lab ID:	0307153-001A	Matrix:	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
				SW6010B		Analyst: CDW
Arsenic	BRL	0.0500		mg/L	1	7/8/2003 5:18:00 PM
Barium	0.0530	0.0200		mg/L	1	7/8/2003 5:18:00 PM
Cadmium	BRL	0.0050		mg/L	1	7/8/2003 5:18:00 PM
Chromium	BRL	0.0100		mg/L	1	7/8/2003 5:18:00 PM
Lead	BRL	0.0100		mg/L	1	7/8/2003 5:18:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 09-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	MW-2
Lab Order:	0307153	Tag Number:	
Project:	Sunlow	Collection Date:	7/7/2003
Lab ID:	0307153-002A	Matrix:	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL						
Arsenic	BRL	0.0500		mg/L	1	7/8/2003 5:32:00 PM
Barium	0.132	0.0200		mg/L	1	7/8/2003 5:32:00 PM
Cadmium	BRL	0.0050		mg/L	1	7/8/2003 5:32:00 PM
Chromium	BRL	0.0100		mg/L	1	7/8/2003 5:32:00 PM
Lead	0.0178	0.0100		mg/L	1	7/8/2003 5:32:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: 09-Jul-03

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	MW2-DIS
Lab Order:	0307153	Tag Number:	
Project:	Sunlow	Collection Date:	7/7/2003
Lab ID:	0307153-003A	Matrix:	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, DISSOLVED						
				SW6010B		Analyst: CDW
Arsenic	BRL	0.0500		mg/L	1	7/8/2003 5:36:00 PM
Barium	0.114	0.0200		mg/L	1	7/8/2003 5:36:00 PM
Cadmium	BRL	0.0050		mg/L	1	7/8/2003 5:36:00 PM
Chromium	BRL	0.0100		mg/L	1	7/8/2003 5:36:00 PM
Lead	BRL	0.0100		mg/L	1	7/8/2003 5:36:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

CLIENT: Environmental Management Associates, LL
Work Order: 0307153
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID	MB-35745	SampType:	MBLK	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	7/8/2003	RunNo:	40126	
Client ID:		Batch ID:	35745	TestNo:	SW6010B			Analysis Date:	7/8/2003	SeqNo:	724139	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.0500									
Barium		BRL	0.0200									
Cadmium		BRL	0.00500									
Chromium		BRL	0.0100									
Lead		BRL	0.0100									

Sample ID	LCS-35745	SampType:	LCS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	7/8/2003	RunNo:	40126	
Client ID:		Batch ID:	35745	TestNo:	SW6010B			Analysis Date:	7/8/2003	SeqNo:	724138	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		0.9653	0.0500	1	0	96.5	85	115	0	0		
Barium		0.9822	0.0200	1	0	98.2	85	115	0	0		
Cadmium		1.003	0.00500	1	0	100	85	115	0	0		
Chromium		1.003	0.0100	1	0	100	85	115	0	0		
Lead		0.9665	0.0100	1	0	96.6	85	115	0	0		

Sample ID	0307153-001AMS	SampType:	MS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	7/8/2003	RunNo:	40126	
Client ID:	MW-1	Batch ID:	35745	TestNo:	SW6010B			Analysis Date:	7/8/2003	SeqNo:	724142	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		0.9476	0.0500	1	0	94.8	75	125	0	0		
Barium		0.9906	0.0200	1	0.05304	93.8	75	125	0	0		
Cadmium		1.015	0.00500	1	0	101	75	125	0	0		
Chromium		0.9859	0.0100	1	0.00231	98.4	75	125	0	0		
Lead		0.9691	0.0100	1	0.00381	96.5	75	125	0	0		

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Environmental Management Associates, LL
Work Order: 0307153
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID	0307153-001ADUP	SampType:	DUP	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	7/8/2003	RunNo:	40126	
Client ID:	MW-1	Batch ID:	35745	TestNo:	SW6010B			Analysis Date:	7/8/2003	SeqNo:	724141	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.0500	0	0	0	0	0	0	0	20	
Barium		0.05286	0.0200	0	0	0	0	0	0.05304	0.340	20	
Cadmium		BRL	0.00500	0	0	0	0	0	0	0	20	
Chromium		BRL	0.0100	0	0	0	0	0	0.00231	0	20	
Lead		BRL	0.0100	0	0	0	0	0	0.00381	0	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 20, 2006

Brent Cortelloni
Environmental Management Associates, LLC

5262 Belle Wood Court, Suite A
Buford, Georgia 30518

TEL: (770) 271-4628
FAX: (770) 271-8944

RE: Sunlow

Order No.: 0611182

Dear Brent Cortelloni:

Analytical Environmental Services, Inc. received 8 samples on 11/2/2006 2:44:00 PM for the analyses presented in the 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. Sample results are not dry weight corrected, unless if Pmoist analysis are requested on the chain of custody or other project specific arrangements have been made. AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/06-06/30/07.
- AIHA Certification number 505 for analysis of Industrial Hygiene samples (Organics, Inorganics), Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 17 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

James Forrest
Project Manager
Revision: Analyses added at client's request.



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

CHAIN OF CUSTODY

Work Order: 0611182

Date: _____ Page _____ of _____

COMPANY: EMB/BC		ADDRESS:		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers			
PHONE: B. L. Bell		FAX: B. L.														
#	SAMPLE ID	SAMPLING		Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS		
		DATE	TIME			Grab										
1	BH-1 (2.5-10)	7-2-03	-	Y	X								Arsenic			
2	BH-3 (0-5)		-	Y	X								Boron			
3	BH-5 (0-5)		-	Y	X								Cadmium			
4	BH-6 (0-5)		-	Y	X								Chromium			
5	BH-7 (5-10)		-	Y	X								Lead			
6	BH-10 (3-5)	11-2-06	10:45	Y	X											
7	DWP		-	Y	X											
8	Rinseate		-	Y	X											
9																
10																
11																
12																
13																
14																
RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION								RECEIPT			
1: B. L.		11-2-06/2:44	1: Liz (BL)	11-2-6 1944	PROJECT NAME: Swallow								Total # of Containers			
2:			2:		PROJECT #: 191								Turnaround Time Request			
3:			3:		SITE ADDRESS:								<input checked="" type="checkbox"/> Standard 5 Business Days			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD				SEND REPORT TO:								<input type="checkbox"/> 2 Business Day Rush		
		OUT / /	VIA:	INVOICE TO: (IF DIFFERENT FROM ABOVE)								<input type="checkbox"/> Next Business Day Rush				
		IN / /	VIA:									<input type="checkbox"/> Same Day Rush (auth req.)				
		CLIENT FedEx UPS MAIL COURIER	GREATHOUND OTHER	QUOTE #: _____ PO#: _____								<input type="checkbox"/> Other _____				
														STATE PROGRAM (if any): _____		
														E-mail? Y/N: _____ Fax? Y/N: _____	DATA PACKAGE: I II III IV	

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT 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)

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EMA / BC

Work Order Number 0611182

Checklist completed by Acalin D. Date 11/02/08
Signature

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? (4°C±2)* Yes No

Cooler #1 3.9 °C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler #5 _____ Cooler #6 _____

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No X/A 11/08

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by A.D.

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL

Project: Sunlow

Lab Order: 0611182

CASE NARRATIVE

Samples "BH-1", "BH-3", "BH-5", "BH-6", "BH-7", were received outside om method required holding time of 180 days. Proceed with analysis per Brent Cortelloni on 11/3/2006.

Metals Analysis by Method 6010B:

Matrix spike recoveries for barium and arsenic on sample 0611322-001A were outside control limits. LCS recovery was within control limits indicating possible matrix interference.

Matrix spike duplicate recovery for arsenic on sample 0611322-001A was outside control limits. LCS recovery was within control limits indicating possible matrix interference.

Analyze "BH-6 (0-5)" for SPLP Ba and "BH-1 (2.5-10)" for SPLP As at standard TAT per Brent Cortelloni on 11/15/2006. Brent is aware of holding times.

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL **Client Sample ID:** BH-1 (2.5-10)
Lab Order: 0611182 **Tag Number:**
Project: Sunlow **Collection Date:** 7/2/2003
Lab ID: 0611182-001A **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
ICP METALS, SPLP		SW1312/6010B		(SW3010A)			Analyst: LKW
Arsenic	BRL	0.0500		mg/L	77726	1	11/17/2006 12:27:12 PT
METALS, TOTAL		SW6010B		(SW3050B)			Analyst: LKW
Arsenic	57.2	4.91	H	mg/Kg	77315	1	11/8/2006 12:43:32 PT
Barium	778	4.91	H	mg/Kg	77315	1	11/7/2006 10:03:44 PT
Cadmium	15.3	2.46	H	mg/Kg	77315	1	11/7/2006 10:03:44 PT
Chromium	46.3	2.46	H	mg/Kg	77315	1	11/7/2006 10:03:44 PT
Lead	6270	49.1	H	mg/Kg	77315	10	11/8/2006 12:56:57 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-3 (0-5)
Lab Order:	0611182	Tag Number:	
Project:	Sunflow	Collection Date:	7/2/2003
Lab ID:	0611182-002A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	BRL	4.92	H	mg/Kg	77315	1	11/7/2006 10:05:48 PM
Barium	154	4.92	H	mg/Kg	77315	1	11/7/2006 10:05:48 PM
Cadmium	BRL	2.46	H	mg/Kg	77315	1	11/7/2006 10:05:48 PM
Chromium	16.1	2.46	H	mg/Kg	77315	1	11/7/2006 10:05:48 PM
Lead	24.7	4.92	H	mg/Kg	77315	1	11/7/2006 10:05:48 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-5 (0-5)
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0611182-003A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	18.7	4.85	H	mg/Kg	77315	1	11/8/2006 12:45:35 PM
Barium	548	4.85	H	mg/Kg	77315	1	11/7/2006 10:07:52 PM
Cadmium	BRL	2.43	H	mg/Kg	77315	1	11/7/2006 10:07:52 PM
Chromium	33.0	2.43	H	mg/Kg	77315	1	11/7/2006 10:07:52 PM
Lead	877	4.85	H	mg/Kg	77315	1	11/7/2006 10:07:52 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-6 (0-5)
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0611182-004A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
ICP METALS, SPLP		SW1312/6010B		(SW3010A)			Analyst: LKW
Barium	BRL	0.100		mg/L	77726	1	11/17/2006 12:31:11 PT
METALS, TOTAL		SW6010B		(SW3050B)			Analyst: LKW
Arsenic	BRL	4.98	H	mg/Kg	77315	1	11/8/2006 12:47:38 PT
Barium	2780	49.8	H	mg/Kg	77315	10	11/8/2006 12:59:56 PT
Cadmium	BRL	2.49	H	mg/Kg	77315	1	11/7/2006 10:09:56 PT
Chromium	41.9	2.49	H	mg/Kg	77315	1	11/7/2006 10:09:56 PT
Lead	319	4.98	H	mg/Kg	77315	1	11/7/2006 10:09:56 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-7 (5-10)
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	7/2/2003
Lab ID:	0611182-005A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	120	4.87	H	mg/Kg	77315	1	11/8/2006 12:49:43 PT
Barium	481	4.87	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT
Cadmium	BRL	2.43	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT
Chromium	40.2	2.43	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT
Lead	1650	4.87	H	mg/Kg	77315	1	11/7/2006 10:12:03 PT

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	BH-10 (3-5)
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	11/2/2006 10:45:00 AM
Lab ID:	0611182-006A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	44.5	4.81		mg/Kg	77315	1	11/8/2006 12:51:50 PI
Barium	1540	48.1		mg/Kg	77315	10	11/8/2006 1:03:00 PM
Cadmium	BRL	2.41		mg/Kg	77315	1	11/7/2006 10:14:06 PI
Chromium	32.5	2.41		mg/Kg	77315	1	11/7/2006 10:14:06 PI
Lead	783	4.81		mg/Kg	77315	1	11/7/2006 10:14:06 PI

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	DUP
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	11/2/2006
Lab ID:	0611182-007A	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	49.5	4.59		mg/Kg	77315	1	11/8/2006 12:53:56 PM
Barium	1330	45.9		mg/Kg	77315	10	11/8/2006 1:12:50 PM
Cadmium	BRL	2.29		mg/Kg	77315	1	11/7/2006 10:16:12 PM
Chromium	38.1	2.29		mg/Kg	77315	1	11/7/2006 10:16:12 PM
Lead	1220	4.59		mg/Kg	77315	1	11/7/2006 10:16:12 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT:	Environmental Management Associates, LL	Client Sample ID:	RINSATE
Lab Order:	0611182	Tag Number:	
Project:	Sunlow	Collection Date:	11/2/2006
Lab ID:	0611182-008A	Matrix:	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL							
Arsenic	BRL	0.0500		mg/L	77338	1	11/9/2006 9:30:26 AM
Barium	BRL	0.0200		mg/L	77338	1	11/9/2006 9:30:26 AM
Cadmium	BRL	0.0050		mg/L	77338	1	11/9/2006 9:30:26 AM
Chromium	BRL	0.0100		mg/L	77338	1	11/9/2006 9:30:26 AM
Lead	BRL	0.0100		mg/L	77338	1	11/9/2006 9:30:26 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: 20-Nov-06

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT**TestCode: 1312_M**

Sample ID: MB-77726	SampType: MBLK	TestCode: 1312_M	Units: mg/L	Prep Date: 11/17/2006	RunNo: 94334
Client ID:	Batch ID: 77726	TestNo: SW1312/6010		Analysis Date: 11/17/2006	SeqNo: 1881226
Analyte					
Arsenic	Result	PQL	SPK value	SPK Ref Val	%REC
	BRL	0.0500			
Barium		BRL	0.100		
Sample ID: LCS-77726	SampType: LCS	TestCode: 1312_M	Units: mg/L	Prep Date: 11/17/2006	RunNo: 94334
Client ID:	Batch ID: 77726	TestNo: SW1312/6010		Analysis Date: 11/17/2006	SeqNo: 1881225
Analyte					
Arsenic	Result	PQL	SPK value	SPK Ref Val	%REC
	1.081	0.0500	1	0.01218	107
Barium		0.100	1	0	85
				115	0
					0
Sample ID: 0611850-001AMS	SampType: MS	TestCode: 1312_M	Units: mg/L	Prep Date: 11/17/2006	RunNo: 94334
Client ID:	Batch ID: 77726	TestNo: SW1312/6010		Analysis Date: 11/17/2006	SeqNo: 1881229
Analyte					
Arsenic	Result	PQL	SPK value	SPK Ref Val	%REC
	1.08	0.0500	1	0.01444	107
Barium		0.100	1	0.0197	106
				75	125
					0
					0
Sample ID: 0611850-001AMSD	SampType: MSD	TestCode: 1312_M	Units: mg/L	Prep Date: 11/17/2006	RunNo: 94334
Client ID:	Batch ID: 77726	TestNo: SW1312/6010		Analysis Date: 11/17/2006	SeqNo: 1881230
Analyte					
Arsenic	Result	PQL	SPK value	SPK Ref Val	%REC
	1.089	0.0500	1	0.01444	107
Barium		0.106	1	0.0197	106
				75	125
					1.08
					0.825
					20
					0.0477
					20

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

E Value above quantitation range
N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
 Work Order: 0611182
 Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: MB-77315	SampType: MBLK	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 11/7/2006			RunNo: 93754				
Client ID:	Batch ID: 77315	TestNo: SW6010B		Analysis Date: 11/7/2006			SeqNo: 1868282				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Sample ID: LCS-77315	SampType: LCS	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 11/7/2006			RunNo: 93754				
Client ID:	Batch ID: 77315	TestNo: SW6010B		Analysis Date: 11/7/2006			SeqNo: 1868281				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.37	5.00	50	0	98.7	80	120	0	0		
Barium	50.04	5.00	50	0	100	80	120	0	0		
Cadmium	47.9	2.50	50	0	95.8	80	120	0	0		
Chromium	51	2.50	50	0	102	80	120	0	0		
Lead	49.67	5.00	50	0	99.3	80	120	0	0		
Sample ID: 0611322-001AMS	SampType: MS	TestCode: 6010B_S	Units: mg/Kg-dry	Prep Date: 11/7/2006			RunNo: 93754				
Client ID:	Batch ID: 77315	TestNo: SW6010B		Analysis Date: 11/7/2006			SeqNo: 1868284				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	41.28	6.40	64.04	0	64.5	75	125	0	0		S
Barium	172.9	6.40	64.04	139	53	75	125	0	0		S
Cadmium	60.66	3.20	64.04	0	94.7	75	125	0	0		
Chromium	94.9	3.20	64.04	44.01	79.5	75	125	0	0		
Lead	70.29	6.40	64.04	14.16	87.6	75	125	0	0		
Sample ID: 0611322-001AMSD	SampType: MSD	TestCode: 6010B_S	Units: mg/Kg-dry	Prep Date: 11/7/2006			RunNo: 93754				
Client ID:	Batch ID: 77315	TestNo: SW6010B		Analysis Date: 11/7/2006			SeqNo: 1868285				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range
 N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: 0611322-001AMSD	SampType: MSD	TestCode: 6010B_S	Units: mg/Kg-dry	Prep Date: 11/7/2006			RunNo: 93754				
Client ID:	Batch ID: 77315	TestNo: SW6010B		Analysis Date: 11/7/2006			SeqNo: 1868285				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.07	6.44	64.44	0	68.4	75	125	41.28	6.54	20	S
Barium	188.2	6.44	64.44	139	76.5	75	125	172.9	8.47	20	
Cadmium	63.91	3.22	64.44	0	99.2	75	125	60.66	5.22	20	
Chromium	102.4	3.22	64.44	44.01	90.7	75	125	94.9	7.64	20	
Lead	74.58	6.44	64.44	14.16	93.8	75	125	70.29	5.93	20	

Qualifiers:	B Analyte detected in the associated Method Blank	BRL Below Reporting Limit	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	N Analyte not NELAC certified
	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits	

CLIENT: Environmental Management Associates, LL
 Work Order: 0611182
 Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID:	MB-77338	SampType:	MBLK	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	11/7/2006	RunNo:	93818	
Client ID:		Batch ID:	77338	TestNo:	SW6010B				Analysis Date:	11/9/2006	SeqNo:	1869689
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.0500									
Barium		BRL	0.0200									
Cadmium		BRL	0.00500									
Chromium		BRL	0.0100									
Lead		BRL	0.0100									
Sample ID:	LCS-77338	SampType:	LCS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	11/7/2006	RunNo:	93818	
Client ID:		Batch ID:	77338	TestNo:	SW6010B <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>11/9/2006</td> <th>SeqNo:</th> <td>1869901</td>				Analysis Date:	11/9/2006	SeqNo:	1869901
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		1.077	0.0500	1	0	108	85	115	0	0		
Barium		1.084	0.0200	1	0	108	85	115	0	0		
Cadmium		1.083	0.00500	1	0	108	85	115	0	0		
Chromium		1.109	0.0100	1	0	111	85	115	0	0		
Lead		1.083	0.0100	1	0	108	85	115	0	0		
Sample ID:	0611174-001BMS	SampType:	MS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	11/7/2006	RunNo:	93818	
Client ID:		Batch ID:	77338	TestNo:	SW6010B <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>11/9/2006</td> <th>SeqNo:</th> <td>1869694</td>				Analysis Date:	11/9/2006	SeqNo:	1869694
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		1.058	0.0500	1	0	106	75	125	0	0		
Barium		1.079	0.0200	1	0.08418	99.4	75	125	0	0		
Cadmium		1.056	0.00500	1	0	106	75	125	0	0		
Chromium		1.085	0.0100	1	0	109	75	125	0	0		
Lead		1.016	0.0100	1	0	102	75	125	0	0		
Sample ID:	0611174-001BMSD	SampType:	MSD	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	11/7/2006	RunNo:	93818	
Client ID:		Batch ID:	77338	TestNo:	SW6010B <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>11/9/2006</td> <th>SeqNo:</th> <td>1869698</td>				Analysis Date:	11/9/2006	SeqNo:	1869698
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

BRL Below Reporting Limit
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range
 N Analyte not NELAC certified

CLIENT: Environmental Management Associates, LL
Work Order: 0611182
Project: Sunlow

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_W_T

Sample ID: 0611174-001BMSD	SampType: MSD	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 11/7/2006	RunNo: 93818						
Client ID:	Batch ID: 77338	TestNo: SW6010B		Analysis Date: 11/9/2006	SeqNo: 1869698						
<hr/>											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.073	0.0500	1	0	107	75	125	1.058	1.39	20	
Barium	1.115	0.0200	1	0.08418	103	75	125	1.079	3.36	20	
Cadmium	1.069	0.00500	1	0	107	75	125	1.056	1.19	20	
Chromium	1.112	0.0100	1	0	111	75	125	1.085	2.38	20	
Lead	1.042	0.0100	1	0	104	75	125	1.016	2.54	20	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

BRL Below Reporting Limit
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

E Value above quantitation range
N Analyte not NELAC certified



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 22, 2013

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Rd

Dear Tyler Boyles:

Order No: 1311D14

Analytical Environmental Services, Inc. received 3 samples on 11/15/2013 4:56:00 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 07/01/13-06/30/14.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) 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.

A handwritten signature in black ink that reads "Tara Esbeck".

Tara Esbeck
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1311014

Date: 11/15/13 Page 1 of 1

COMPANY: AMEC		ADDRESS: 396 Plaza Ave Atlanta GA				ANALYSIS REQUESTED										Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers						
PHONE: 404 817 0153		FAX: 404 817 0183																					
SAMPLED BY: Tyler Boyle		SIGNATURE: <i>Tyler Boyle</i>																					
#	SAMPLE ID	SAMPLER		Grab	Composite	Matrix (See copies)	PRESERVATION (See codes)										REMARKS						
		DATE	TIME																				
1	MW-1R	11/15/13	1410	X	GW	X												1					
2	MW-3	11/15/13	1515	X	GW	X												2					
3	TRIP BLANK					X																	
4																							
5																							
6																							
7																							
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14																							
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT					
<i>Tyler Boyle</i>		11/15/13 1655		<i>Jerard Jutta</i>		11/15/13 1615		PROJECT NAME: 1071 Howell Mill Rd										Total # of Containers	4				
3:		3:						PROJECT #: 6121 120124										Turnaround Time Request					
3:		3:						SITE ADDRESS: See Above										Standard 5 Business Days					
3:		3:						SEND REPORT TO: Tyler Boyle										2 Business Day Rush					
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						INVOICE TO: (IF DIFFERENT FROM ABOVE)										Next Business Day Rush					
		OUT	/	/	VIA:													Same Day Rush (auth req.)					
		IN	/	/	VIA:													Other _____					
		CLIENT FedEx UPS MAIL COURIER																STATE PROGRAM (if any): _____					
		GREYHOUND OTHER						QUOTE #: _____ PO#: _____										E-mail? Y/N; Fax? Y/N					
																		DATA PACKAGE: I II III IV					
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																							

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 22-Nov-13

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-1R					
Project Name:	1071 Howell Mill Rd	Collection Date:	11/15/2013 2:10:00 PM					
Lab ID:	1311D14-001	Matrix:	Groundwater					
<hr/>								
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,1-Dichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,1-Dichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,2-Dibromoethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,2-Dichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,2-Dichloropropane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
2-Butanone	BRL	50		ug/L	183989	1	11/21/2013 00:06	AK
2-Hexanone	BRL	10		ug/L	183989	1	11/21/2013 00:06	AK
4-Methyl-2-pentanone	BRL	10		ug/L	183989	1	11/21/2013 00:06	AK
Acetone	BRL	50		ug/L	183989	1	11/21/2013 00:06	AK
Benzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Bromodichloromethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Bromoform	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Bromomethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Carbon disulfide	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Carbon tetrachloride	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Chlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Chloroethane	BRL	10		ug/L	183989	1	11/21/2013 00:06	AK
Chloroform	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Chloromethane	BRL	10		ug/L	183989	1	11/21/2013 00:06	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Cyclohexane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Dibromochloromethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Dichlorodifluoromethane	BRL	10		ug/L	183989	1	11/21/2013 00:06	AK
Ethylbenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Freon-113	BRL	10		ug/L	183989	1	11/21/2013 00:06	AK
Isopropylbenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
m,p-Xylene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Methyl acetate	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Methylcyclohexane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Methylene chloride	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
o-Xylene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 22-Nov-13

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-1R
Project Name:	1071 Howell Mill Rd	Collection Date:	11/15/2013 2:10:00 PM
Lab ID:	1311D14-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Tetrachloroethene	6.7	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Toluene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Trichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Trichlorofluoromethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:06	AK
Vinyl chloride	BRL	2.0		ug/L	183989	1	11/21/2013 00:06	AK
Surr: 4-Bromofluorobenzene	85.4	66.2-120	%REC		183989	1	11/21/2013 00:06	AK
Surr: Dibromofluoromethane	99.9	79.5-121	%REC		183989	1	11/21/2013 00:06	AK
Surr: Toluene-d8	97.6	77-117	%REC		183989	1	11/21/2013 00:06	AK

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 22-Nov-13

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-3
Project Name:	1071 Howell Mill Rd	Collection Date:	11/15/2013 3:15:00 PM
Lab ID:	1311D14-002	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
					(SW5030B)			
1,1,1-Trichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,1-Dichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,1-Dichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,2-Dibromoethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,2-Dichloroethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,2-Dichloropropane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
2-Butanone	BRL	50		ug/L	183989	1	11/21/2013 00:34	AK
2-Hexanone	BRL	10		ug/L	183989	1	11/21/2013 00:34	AK
4-Methyl-2-pentanone	BRL	10		ug/L	183989	1	11/21/2013 00:34	AK
Acetone	BRL	50		ug/L	183989	1	11/21/2013 00:34	AK
Benzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Bromodichloromethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Bromoform	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Bromomethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Carbon disulfide	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Carbon tetrachloride	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Chlorobenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Chloroethane	BRL	10		ug/L	183989	1	11/21/2013 00:34	AK
Chloroform		19	5.0	ug/L	183989	1	11/21/2013 00:34	AK
Chloromethane	BRL	10		ug/L	183989	1	11/21/2013 00:34	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Cyclohexane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Dibromochloromethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Dichlorodifluoromethane	BRL	10		ug/L	183989	1	11/21/2013 00:34	AK
Ethylbenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Freon-113	BRL	10		ug/L	183989	1	11/21/2013 00:34	AK
Isopropylbenzene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
m,p-Xylene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Methyl acetate	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Methylcyclohexane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Methylene chloride	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
o-Xylene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 22-Nov-13

Client:	AMEC E&I, Inc.	Client Sample ID:	MW-3
Project Name:	1071 Howell Mill Rd	Collection Date:	11/15/2013 3:15:00 PM
Lab ID:	1311D14-002	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Tetrachloroethene	150	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Toluene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Trichloroethene	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Trichlorofluoromethane	BRL	5.0		ug/L	183989	1	11/21/2013 00:34	AK
Vinyl chloride	BRL	2.0		ug/L	183989	1	11/21/2013 00:34	AK
Surr: 4-Bromofluorobenzene	80	66.2-120	%REC		183989	1	11/21/2013 00:34	AK
Surr: Dibromofluoromethane	98.1	79.5-121	%REC		183989	1	11/21/2013 00:34	AK
Surr: Toluene-d8	95.6	77-117	%REC		183989	1	11/21/2013 00:34	AK

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 22-Nov-13

Client:	AMEC E&I, Inc.	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd	Collection Date:	11/15/2013
Lab ID:	1311D14-003	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
					(SW5030B)			
1,1,1-Trichloroethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,1-Dichloroethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,1-Dichloroethene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,2-Dibromoethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,2-Dichloroethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,2-Dichloropropane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
2-Butanone	BRL	50		ug/L	183989	1	11/20/2013 20:48	AK
2-Hexanone	BRL	10		ug/L	183989	1	11/20/2013 20:48	AK
4-Methyl-2-pentanone	BRL	10		ug/L	183989	1	11/20/2013 20:48	AK
Acetone	BRL	50		ug/L	183989	1	11/20/2013 20:48	AK
Benzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Bromodichloromethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Bromoform	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Bromomethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Carbon disulfide	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Carbon tetrachloride	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Chlorobenzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Chloroethane	BRL	10		ug/L	183989	1	11/20/2013 20:48	AK
Chloroform	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Chloromethane	BRL	10		ug/L	183989	1	11/20/2013 20:48	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Cyclohexane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Dibromochloromethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Dichlorodifluoromethane	BRL	10		ug/L	183989	1	11/20/2013 20:48	AK
Ethylbenzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Freon-113	BRL	10		ug/L	183989	1	11/20/2013 20:48	AK
Isopropylbenzene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
m,p-Xylene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Methyl acetate	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Methylcyclohexane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Methylene chloride	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
o-Xylene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 22-Nov-13

Client:	AMEC E&I, Inc.	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd	Collection Date:	11/15/2013
Lab ID:	1311D14-003	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Tetrachloroethene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Toluene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Trichloroethene	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Trichlorofluoromethane	BRL	5.0		ug/L	183989	1	11/20/2013 20:48	AK
Vinyl chloride	BRL	2.0		ug/L	183989	1	11/20/2013 20:48	AK
Surr: 4-Bromofluorobenzene	92	66.2-120	%REC		183989	1	11/20/2013 20:48	AK
Surr: Dibromofluoromethane	95.8	79.5-121	%REC		183989	1	11/20/2013 20:48	AK
Surr: Toluene-d8	97.8	77-117	%REC		183989	1	11/20/2013 20:48	AK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

Analytical Environmental Services, Inc.**Sample/Cooler Receipt Checklist**Client AmecWork Order Number 1311D14Checklist completed by Jan B 1115113
Signature DateCarrier name: FedEx UPS Courier Client ✓ US Mail Other Shipping container/coolers in good condition? Yes ✓ No Not Present Custody seals intact on shipping container/coolers? Yes No Not Present ✓Custody seals intact on sample bottles? Yes No Not Present ✓Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No Cooler #1 3-2 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Chain of custody present? Yes ✓ No Chain of custody signed when relinquished and received? Yes ✓ No Chain of custody agrees with sample labels? Yes ✓ No Samples in proper container/bottle? Yes ✓ No Sample containers intact? Yes ✓ No Sufficient sample volume for indicated test? Yes ✓ No All samples received within holding time? Yes ✓ No Was TAT marked on the COC? Yes ✓ No Proceed with Standard TAT as per project history? Yes No Not Applicable ✓Water - VOA vials have zero headspace? No VOA vials submitted Yes ✓ No Water - pH acceptable upon receipt? Yes ✓ No Not Applicable

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____(For diffusive samples or AIHA lead) Is a known blank included? Yes No ✓**See Case Narrative for resolution of the Non-Conformance.**

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

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Rd
Workorder: 1311D14

ANALYTICAL QC SUMMARY REPORT
BatchID: 183989

Sample ID: MB-183989	Client ID:			Units: ug/L	Prep Date: 11/20/2013	Run No: 256250					
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B			BatchID: 183989	Analysis Date: 11/20/2013	Seq No: 5383005					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Rd
Workorder: 1311D14

ANALYTICAL QC SUMMARY REPORT**BatchID: 183989**

Sample ID: MB-183989	Client ID:	Units: ug/L			Prep Date:	11/20/2013	Run No:	256250			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 183989			Analysis Date:	11/20/2013	Seq No:	5383005			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	46.42	0	50.00		92.8	66.2	120				
Surr: Dibromofluoromethane	47.77	0	50.00		95.5	79.5	121				
Surr: Toluene-d8	48.42	0	50.00		96.8	77	117				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Rd
Workorder: 1311D14

ANALYTICAL QC SUMMARY REPORT**BatchID: 183989**

Sample ID: LCS-183989	Client ID:				Units: ug/L	Prep Date: 11/20/2013	Run No: 256250				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 183989	Analysis Date: 11/20/2013	Seq No: 5383006				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	48.88	5.0	50.00		97.8	63.1	140				
Benzene	52.09	5.0	50.00		104	74.2	129				
Chlorobenzene	55.65	5.0	50.00		111	70	129				
Toluene	51.90	5.0	50.00		104	74.2	129				
Trichloroethene	55.74	5.0	50.00		111	71.2	135				
Surr: 4-Bromofluorobenzene	51.41	0	50.00		103	66.2	120				
Surr: Dibromofluoromethane	49.74	0	50.00		99.5	79.5	121				
Surr: Toluene-d8	49.61	0	50.00		99.2	77	117				

Sample ID: 1311D15-001AMS	Client ID:				Units: ug/L	Prep Date: 11/20/2013	Run No: 256250				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 183989	Analysis Date: 11/20/2013	Seq No: 5383021				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	678.4	50	500.0		136	60.2	159				
Benzene	649.5	50	500.0		130	70.2	138				
Chlorobenzene	657.6	50	500.0		132	70.1	133				
Toluene	650.3	50	500.0		130	70	139				
Trichloroethene	680.6	50	500.0		136	70.1	144				
Surr: 4-Bromofluorobenzene	521.0	0	500.0		104	66.2	120				
Surr: Dibromofluoromethane	500.8	0	500.0		100	79.5	121				
Surr: Toluene-d8	484.5	0	500.0		96.9	77	117				

Sample ID: 1311D15-001AMSD	Client ID:				Units: ug/L	Prep Date: 11/20/2013	Run No: 256250				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 183989	Analysis Date: 11/20/2013	Seq No: 5383022				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	647.6	50	500.0		130	60.2	159	678.4	4.65	19.2	
Benzene	626.4	50	500.0		125	70.2	138	649.5	3.62	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified		R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix			

Client: AMEC E&I, Inc.
Project Name: 1071 Howell Mill Rd
Workorder: 1311D14

ANALYTICAL QC SUMMARY REPORT**BatchID: 183989**

Sample ID: 1311D15-001AMSD	Client ID:				Units: ug/L	Prep Date: 11/20/2013	Run No: 256250				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 183989	Analysis Date: 11/20/2013	Seq No: 5383022				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	652.5	50	500.0		130	70.1	133	657.6	0.779	20	
Toluene	624.7	50	500.0		125	70	139	650.3	4.02	20	
Trichloroethene	655.7	50	500.0		131	70.1	144	680.6	3.73	20	
Surr: 4-Bromofluorobenzene	512.1	0	500.0		102	66.2	120	521.0	0	0	
Surr: Dibromofluoromethane	493.5	0	500.0		98.7	79.5	121	500.8	0	0	
Surr: Toluene-d8	486.1	0	500.0		97.2	77	117	484.5	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 13, 2014

Tyler Boyles
AMEC E&I, Inc. - Plasters
396 Plasters Ave.
Atlanta GA 30324

TEL: (404) 817-0153
FAX: (404) 817-0183

RE: 1071 Howell Mill Rd

Dear Tyler Boyles:

Order No: 1410A65

Analytical Environmental Services, Inc. received 2 samples on 10/10/2014 2:18:00 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 07/01/14-06/30/15.
- 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.

A handwritten signature in black ink that reads "Tara Esbeck".

Tara Esbeck
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1410A65

Date: 10/10/14 Page 1 of 1

COMPANY: AMEC		ADDRESS: <i>2677 Buford Hwy Atlanta, GA</i>		ANALYSIS REQUESTED										Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers					
				VIN																
PHONE:	404 877 0153	FAX:	404 877 0183	PRESERVATION (See codes)										REMARKS						
SAMPLED BY:	Tyler Bynum	SIGNATURE: <i>TB</i>		H/I																
#	SAMPLE ID	SAMPLED		DATE	TIME	Grab	Composite	Matrix (See codes)												
1	MW-3	10/10/14	1235	X		6W	X												2	
2	Top Blank						X												2	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
RELINQUISHED BY:		DATE/TIME	RECEIVED BY		DATE/TIME	PROJECT INFORMATION										RECEIPT				
<i>JTB</i>		10/10/14	<i>Jan B</i>		10/10/14 14:18	PROJECT NAME: 1071 Howell Mill										Total # of Containers 4				
2:		2:				PROJECT #: 6121 12 0124										Turnaround Time Request				
3:		3:				SITE ADDRESS: 3AA										Standard 5 Business Days				
			SEND REPORT TO: Tyler Bynum										2 Business Day Rush							
													Next Business Day Rush							
													Same Day Rush (auth req.)							
													Other _____							
													STATE PROGRAM (if any): _____							
													E-mail? Y / N; Fax? Y / N							
													DATA PACKAGE: I II III IV							
SPECIAL INSTRUCTIONS/COMMENTS:															SHIPMENT METHOD					
															OUT / / VIA:	INVOICE TO: (IF DIFFERENT FROM ABOVE)				
															IN / / VIA:					
															CLIENT FedEx UPS MAIL COURIER					
															GREYHOUND OTHER	QUOTE #: PO#:				

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 13-Oct-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	MW-3					
Project Name:	1071 Howell Mill Rd	Collection Date:	10/10/2014 12:35:00 PM					
Lab ID:	1410A65-001	Matrix:	Groundwater					
<hr/>								
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,1-Dichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,1-Dichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,2-Dibromoethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,2-Dichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,2-Dichloropropane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
2-Butanone	BRL	50		ug/L	197483	1	10/10/2014 23:16	GK
2-Hexanone	BRL	10		ug/L	197483	1	10/10/2014 23:16	GK
4-Methyl-2-pentanone	BRL	10		ug/L	197483	1	10/10/2014 23:16	GK
Acetone	BRL	50		ug/L	197483	1	10/10/2014 23:16	GK
Benzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Bromodichloromethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Bromoform	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Bromomethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Carbon disulfide	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Carbon tetrachloride	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Chlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Chloroethane	BRL	10		ug/L	197483	1	10/10/2014 23:16	GK
Chloroform		13	5.0	ug/L	197483	1	10/10/2014 23:16	GK
Chloromethane	BRL	10		ug/L	197483	1	10/10/2014 23:16	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Cyclohexane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Dibromochloromethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Dichlorodifluoromethane	BRL	10		ug/L	197483	1	10/10/2014 23:16	GK
Ethylbenzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Freon-113	BRL	10		ug/L	197483	1	10/10/2014 23:16	GK
Isopropylbenzene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
m,p-Xylene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Methyl acetate	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Methylcyclohexane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Methylene chloride	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
o-Xylene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Oct-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	MW-3
Project Name:	1071 Howell Mill Rd	Collection Date:	10/10/2014 12:35:00 PM
Lab ID:	1410A65-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Tetrachloroethene	120	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Toluene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Trichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Trichlorofluoromethane	BRL	5.0		ug/L	197483	1	10/10/2014 23:16	GK
Vinyl chloride	BRL	2.0		ug/L	197483	1	10/10/2014 23:16	GK
Surr: 4-Bromofluorobenzene	87.9	66.2-120	%REC		197483	1	10/10/2014 23:16	GK
Surr: Dibromofluoromethane	96.3	79.5-121	%REC		197483	1	10/10/2014 23:16	GK
Surr: Toluene-d8	97.6	77-117	%REC		197483	1	10/10/2014 23:16	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

Analytical Environmental Services, Inc
Date: 13-Oct-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd	Collection Date:	10/10/2014
Lab ID:	1410A65-002	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B							(SW5030B)	
1,1,1-Trichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,1-Dichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,1-Dichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,2-Dibromoethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,2-Dichloroethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,2-Dichloropropane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
2-Butanone	BRL	50		ug/L	197483	1	10/10/2014 21:49	GK
2-Hexanone	BRL	10		ug/L	197483	1	10/10/2014 21:49	GK
4-Methyl-2-pentanone	BRL	10		ug/L	197483	1	10/10/2014 21:49	GK
Acetone	BRL	50		ug/L	197483	1	10/10/2014 21:49	GK
Benzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Bromodichloromethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Bromoform	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Bromomethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Carbon disulfide	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Carbon tetrachloride	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Chlorobenzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Chloroethane	BRL	10		ug/L	197483	1	10/10/2014 21:49	GK
Chloroform	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Chloromethane	BRL	10		ug/L	197483	1	10/10/2014 21:49	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Cyclohexane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Dibromochloromethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Dichlorodifluoromethane	BRL	10		ug/L	197483	1	10/10/2014 21:49	GK
Ethylbenzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Freon-113	BRL	10		ug/L	197483	1	10/10/2014 21:49	GK
Isopropylbenzene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
m,p-Xylene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Methyl acetate	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Methylcyclohexane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Methylene chloride	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
o-Xylene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Oct-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd	Collection Date:	10/10/2014
Lab ID:	1410A65-002	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Tetrachloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Toluene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Trichloroethene	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Trichlorofluoromethane	BRL	5.0		ug/L	197483	1	10/10/2014 21:49	GK
Vinyl chloride	BRL	2.0		ug/L	197483	1	10/10/2014 21:49	GK
Surr: 4-Bromofluorobenzene	89.3	66.2-120	%REC		197483	1	10/10/2014 21:49	GK
Surr: Dibromofluoromethane	95.5	79.5-121	%REC		197483	1	10/10/2014 21:49	GK
Surr: Toluene-d8	96.8	77-117	%REC		197483	1	10/10/2014 21:49	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Amec

Work Order Number 1410465

Checklist completed by Jamie 10/10/14
Signature _____ Date _____

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes No

Cooler #1 3-2 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by _____

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410A65

ANALYTICAL QC SUMMARY REPORT**BatchID: 197483**

Sample ID: MB-197483	Client ID:			Units: ug/L	Prep Date: 10/10/2014	Run No: 277549					
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B			BatchID: 197483	Analysis Date: 10/10/2014	Seq No: 5865579					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410A65

ANALYTICAL QC SUMMARY REPORT**BatchID: 197483**

Sample ID: MB-197483	Client ID:	Units: ug/L			Prep Date:	10/10/2014	Run No:	277549			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 197483			Analysis Date:	10/10/2014	Seq No:	5865579			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	43.10	0	50.00		86.2	66.2	120				
Surr: Dibromofluoromethane	48.77	0	50.00		97.5	79.5	121				
Surr: Toluene-d8	48.81	0	50.00		97.6	77	117				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410A65

ANALYTICAL QC SUMMARY REPORT**BatchID: 197483**

Sample ID: LCS-197483	Client ID:				Units: ug/L	Prep Date: 10/10/2014	Run No: 277549				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 197483	Analysis Date: 10/10/2014	Seq No: 5865578				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	51.60	5.0	50.00		103	63.1	140				
Benzene	48.89	5.0	50.00		97.8	74.2	129				
Chlorobenzene	47.89	5.0	50.00		95.8	70	129				
Toluene	47.95	5.0	50.00		95.9	74.2	129				
Trichloroethene	47.51	5.0	50.00		95.0	71.2	135				
Surr: 4-Bromofluorobenzene	43.56	0	50.00		87.1	66.2	120				
Surr: Dibromofluoromethane	48.20	0	50.00		96.4	79.5	121				
Surr: Toluene-d8	48.03	0	50.00		96.1	77	117				

Sample ID: 1410784-005AMS	Client ID:				Units: ug/L	Prep Date: 10/10/2014	Run No: 277549				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 197483	Analysis Date: 10/10/2014	Seq No: 5865582				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	48.91	5.0	50.00		97.8	60.2	159				
Benzene	45.54	5.0	50.00		91.1	70.2	138				
Chlorobenzene	44.24	5.0	50.00		88.5	70.1	133				
Toluene	44.86	5.0	50.00		89.7	70	139				
Trichloroethene	44.23	5.0	50.00		88.5	70.1	144				
Surr: 4-Bromofluorobenzene	43.66	0	50.00		87.3	66.2	120				
Surr: Dibromofluoromethane	47.82	0	50.00		95.6	79.5	121				
Surr: Toluene-d8	48.89	0	50.00		97.8	77	117				

Sample ID: 1410784-005AMSD	Client ID:				Units: ug/L	Prep Date: 10/10/2014	Run No: 277549				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 197483	Analysis Date: 10/10/2014	Seq No: 5865583				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	49.24	5.0	50.00		98.5	60.2	159	48.91	0.672	19.2	
Benzene	46.35	5.0	50.00		92.7	70.2	138	45.54	1.76	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410A65

ANALYTICAL QC SUMMARY REPORT**BatchID: 197483**

Sample ID: 1410784-005AMSD	Client ID:				Units: ug/L	Prep Date: 10/10/2014	Run No: 277549				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 197483	Analysis Date: 10/10/2014	Seq No: 5865583				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	44.29	5.0	50.00		88.6	70.1	133	44.24	0.113	20	
Toluene	45.11	5.0	50.00		90.2	70	139	44.86	0.556	20	
Trichloroethene	44.00	5.0	50.00		88.0	70.1	144	44.23	0.521	20	
Surr: 4-Bromofluorobenzene	44.08	0	50.00		88.2	66.2	120	43.66	0	0	
Surr: Dibromofluoromethane	47.69	0	50.00		95.4	79.5	121	47.82	0	0	
Surr: Toluene-d8	48.89	0	50.00		97.8	77	117	48.89	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 29, 2014

Tyler Boyles
AMEC E&I, Inc. - Plasters
396 Plasters Ave.
Atlanta GA 30324

TEL: (404) 817-0153
FAX: (404) 817-0183

RE: 1071 Howell Mill Rd

Dear Tyler Boyles:

Order No: 1410M69

Analytical Environmental Services, Inc. received 2 samples on 10/24/2014 12:18:00 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 07/01/14-06/30/15.
- 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.

A handwritten signature in black ink that reads "Tara Esbeck".

Tara Esbeck
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1410M69

Date: 10/24/04 Page 1 of 1

COMPANY: AMEC		ADDRESS: 2677 Buford Hwy Atlanta, GA		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers					
PHONE: 404 817 0153		FAX: 404 817 0153																
SAMPLED BY: Tyler Boyles		SIGNATURE: Tyler Boyles																
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS			
		DATE	TIME				I I											
1	LP-1	10/22/04	1236	X		SO	X										HOLD	1
2	LP-2	10/22/04	1250	X			X										HOLD	1
3	LP-3	10/22/04	1340	X			X										HOLD	1
4	LP-4	10/22/04	1358	X			X										HOLD	1
5	LP-Comp-1	10/22/04	1405		X		XX											1
6	CP-1	10/23/04	1009	X			X										HOLD	1
7	CP-2	10/23/04	1022	X			X										HOLD	1
8	CP-3	10/23/04	1035	X			X										HOLD	1
9	CP-4	10/23/04	1048	X			X										HOLD	1
10	CP-Comp-2	10/23/04	1055	X	SO		X X											1
11																		
12																		
13																		
14																		
RELINQUISHED BY:		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION								RECEIPT					
1: Tyler Boyles		10/23/04 1218	2: Tanya Westervelt	10/24/04 12:18	PROJECT NAME: 1071 Howell Mill - Sunlow								Total # of Containers	10				
2:		2:			PROJECT #: 6121 12 0124								Turnaround Time Request					
3:		3:			SITE ADDRESS: 1071 Howell Mill								Standard 5 Business Days					
					SEND REPORT TO: Tyler Boyles & Chuck Terry								2 Business Day Rush					
					INVOICE TO: (IF DIFFERENT FROM ABOVE)								Next Business Day Rush					
					QUOTE #: _____ PO #: _____								Same Day Rush (auth req.)					
													Other _____					
													STATE PROGRAM (if any): _____					
													E-mail? Y/N; Fax? Y/N					
													DATA PACKAGE: I II III IV					
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																		

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

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

Analytical Environmental Services, Inc
Date: 29-Oct-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	LP-COMP-1					
Project Name:	1071 Howell Mill Rd	Collection Date:	10/22/2014 2:05:00 PM					
Lab ID:	1410M69-005	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B						(SW7471B)		
Mercury	BRL	0.118		mg/Kg-dry	198107	1	10/24/2014 16:05	JG
MERCURY, TCLP SW1311/7470A						(SW7470A)		
Mercury	BRL	0.00400		mg/L	198201	1	10/27/2014 17:12	LB
ICP METALS, TCLP SW1311/6010C						(SW3010A)		
Arsenic	BRL	0.250		mg/L	198185	1	10/25/2014 13:49	MR
Barium		2.41	0.500	mg/L	198185	1	10/25/2014 13:49	MR
Cadmium	BRL	0.0250		mg/L	198185	1	10/25/2014 13:49	MR
Chromium	BRL	0.0500		mg/L	198185	1	10/25/2014 13:49	MR
Lead		2.41	0.0500	mg/L	198185	1	10/25/2014 13:49	MR
Selenium	BRL	0.100		mg/L	198185	1	10/25/2014 13:49	MR
Silver	BRL	0.0250		mg/L	198185	1	10/25/2014 13:49	MR
METALS, TOTAL SW6010C						(SW3050B)		
Arsenic	BRL	5.34		mg/Kg-dry	198156	1	10/27/2014 17:18	TA
Barium		243	5.34	mg/Kg-dry	198156	1	10/27/2014 17:18	TA
Cadmium	BRL	2.67		mg/Kg-dry	198156	1	10/27/2014 17:18	TA
Chromium		20.5	2.67	mg/Kg-dry	198156	1	10/27/2014 17:18	TA
Lead		211	5.34	mg/Kg-dry	198156	1	10/27/2014 17:18	TA
Selenium	BRL	5.34		mg/Kg-dry	198156	1	10/27/2014 17:18	TA
Silver	BRL	2.67		mg/Kg-dry	198156	1	10/27/2014 17:18	TA
PERCENT MOISTURE D2216								
Percent Moisture		17.2	0	wt%	R278827	1	10/28/2014 17:00	SG

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 29-Oct-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	CP-COMP-2					
Project Name:	1071 Howell Mill Rd	Collection Date:	10/24/2014 10:55:00 AM					
Lab ID:	1410M69-010	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B						(SW7471B)		
Mercury	BRL	0.115		mg/Kg-dry	198107	1	10/24/2014 16:07	JG
MERCURY, TCLP SW1311/7470A						(SW7470A)		
Mercury	BRL	0.00400		mg/L	198201	1	10/27/2014 16:54	LB
ICP METALS, TCLP SW1311/6010C						(SW3010A)		
Arsenic	BRL	0.250		mg/L	198185	1	10/25/2014 13:53	MR
Barium	0.767	0.500		mg/L	198185	1	10/25/2014 13:53	MR
Cadmium	BRL	0.0250		mg/L	198185	1	10/25/2014 13:53	MR
Chromium	BRL	0.0500		mg/L	198185	1	10/25/2014 13:53	MR
Lead	0.183	0.0500		mg/L	198185	1	10/25/2014 13:53	MR
Selenium	BRL	0.100		mg/L	198185	1	10/25/2014 13:53	MR
Silver	BRL	0.0250		mg/L	198185	1	10/25/2014 13:53	MR
METALS, TOTAL SW6010C						(SW3050B)		
Arsenic	BRL	5.31		mg/Kg-dry	198156	1	10/27/2014 17:38	TA
Barium	159	5.31		mg/Kg-dry	198156	1	10/27/2014 17:38	TA
Cadmium	BRL	2.66		mg/Kg-dry	198156	1	10/27/2014 17:38	TA
Chromium	37.9	2.66		mg/Kg-dry	198156	1	10/27/2014 17:38	TA
Lead	162	5.31		mg/Kg-dry	198156	1	10/27/2014 17:38	TA
Selenium	BRL	5.31		mg/Kg-dry	198156	2	10/27/2014 19:19	TA
Silver	BRL	2.66		mg/Kg-dry	198156	1	10/27/2014 17:38	TA
PERCENT MOISTURE D2216								
Percent Moisture	16.1	0		wt%	R278827	1	10/28/2014 17:00	SG

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC

Work Order Number 1410M69

Checklist completed by Jamie B Date 10/24/14
Signature _____

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? (4°C±2)* Yes No

Cooler #1 3-20 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler #5 _____ Cooler #6 _____

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by _____

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410M69

ANALYTICAL QC SUMMARY REPORT**BatchID: 198107**

Sample ID: MB-198107	Client ID:				Units: mg/Kg	Prep Date: 10/24/2014	Run No: 278533				
SampleType: MLBK	TestCode: TOTAL MERCURY SW7471B				BatchID: 198107	Analysis Date: 10/24/2014	Seq No: 5886938				
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									
Sample ID: LCS-198107	Client ID:				Units: mg/Kg	Prep Date: 10/24/2014	Run No: 278533				
SampleType: LCS	TestCode: TOTAL MERCURY SW7471B				BatchID: 198107	Analysis Date: 10/24/2014	Seq No: 5886939				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4146	0.100	0.4000		104	80	120				
Sample ID: 1410J63-001BMS	Client ID:				Units: mg/Kg-dry	Prep Date: 10/24/2014	Run No: 278533				
SampleType: MS	TestCode: TOTAL MERCURY SW7471B				BatchID: 198107	Analysis Date: 10/24/2014	Seq No: 5886942				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5309	0.123	0.4934	0.01361	105	70	130				
Sample ID: 1410J63-001BMSD	Client ID:				Units: mg/Kg-dry	Prep Date: 10/24/2014	Run No: 278533				
SampleType: MSD	TestCode: TOTAL MERCURY SW7471B				BatchID: 198107	Analysis Date: 10/24/2014	Seq No: 5886944				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5245	0.123	0.4934	0.01361	104	70	130	0.5309	1.20	30	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410M69

ANALYTICAL QC SUMMARY REPORT**BatchID: 198156**

Sample ID: MB-198156	Client ID:				Units: mg/Kg	Prep Date: 10/24/2014	Run No: 278681				
SampleType: MLBK	TestCode: METALS, TOTAL	SW6010C			BatchID: 198156	Analysis Date: 10/27/2014	Seq No: 5890381				
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									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Selenium	BRL	5.00									
Silver	BRL	2.50									

Sample ID: LCS-198156	Client ID:				Units: mg/Kg	Prep Date: 10/24/2014	Run No: 278681				
SampleType: LCS	TestCode: METALS, TOTAL	SW6010C			BatchID: 198156	Analysis Date: 10/27/2014	Seq No: 5890383				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	48.82	5.00	50.00		97.6	80	120				
Barium	51.15	5.00	50.00		102	80	120				
Cadmium	48.39	2.50	50.00		96.8	80	120				
Chromium	51.99	2.50	50.00		104	80	120				
Lead	47.63	5.00	50.00		95.3	80	120				
Selenium	47.37	5.00	50.00	1.037	92.7	80	120				
Silver	4.677	2.50	5.000		93.5	80	120				

Sample ID: 1410K77-001BMS	Client ID:				Units: mg/Kg-dry	Prep Date: 10/24/2014	Run No: 278681				
SampleType: MS	TestCode: METALS, TOTAL	SW6010C			BatchID: 198156	Analysis Date: 10/27/2014	Seq No: 5890387				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	52.93	5.40	54.03	5.056	88.6	75	125				
Barium	104.7	5.40	54.03	49.73	102	75	125				
Cadmium	52.24	2.70	54.03		96.7	75	125				
Chromium	77.85	2.70	54.03	15.25	116	75	125				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410M69

ANALYTICAL QC SUMMARY REPORT**BatchID: 198156**

Sample ID: 1410K77-001BMS	Client ID:				Units: mg/Kg-dry	Prep Date: 10/24/2014	Run No: 278681				
SampleType: MS	TestCode: METALS, TOTAL	SW6010C			BatchID: 198156	Analysis Date: 10/27/2014	Seq No: 5890387				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	60.48	5.40	54.03	15.94	82.4	75	125				
Selenium	43.05	5.40	54.03		79.7	75	125				
Silver	4.409	2.70	5.403		81.6	75	125				
Sample ID: 1410K77-001BMSD	Client ID:				Units: mg/Kg-dry	Prep Date: 10/24/2014	Run No: 278681				
SampleType: MSD	TestCode: METALS, TOTAL	SW6010C			BatchID: 198156	Analysis Date: 10/27/2014	Seq No: 5890388				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	51.29	5.40	54.03	5.056	85.6	75	125	52.93	3.15	20	
Barium	108.7	5.40	54.03	49.73	109	75	125	104.7	3.74	20	
Cadmium	50.61	2.70	54.03		93.7	75	125	52.24	3.16	20	
Chromium	66.42	2.70	54.03	15.25	94.7	75	125	77.85	15.8	20	
Lead	60.38	5.40	54.03	15.94	82.3	75	125	60.48	0.167	20	
Selenium	43.73	5.40	54.03		80.9	75	125	43.05	1.56	20	
Silver	4.296	2.70	5.403		79.5	75	125	4.409	2.61	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410M69

ANALYTICAL QC SUMMARY REPORT**BatchID: 198185**

Sample ID: MB-198185	Client ID:				Units: mg/L	Prep Date: 10/25/2014	Run No: 278583				
SampleType: MLBK	TestCode: ICP METALS, TCLP	SW1311/6010C			BatchID: 198185	Analysis Date: 10/25/2014	Seq No: 5888119				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.250									
Barium	BRL	0.500									
Cadmium	BRL	0.0250									
Chromium	BRL	0.0500									
Lead	BRL	0.0500									
Selenium	BRL	0.100									
Silver	BRL	0.0250									

Sample ID: LCS-198185	Client ID:				Units: mg/L	Prep Date: 10/25/2014	Run No: 278583				
SampleType: LCS	TestCode: ICP METALS, TCLP	SW1311/6010C			BatchID: 198185	Analysis Date: 10/25/2014	Seq No: 5888118				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	5.153	0.250	5.000		103	80	120				
Barium	5.156	0.500	5.000	0.2551	98.0	80	120				
Cadmium	5.019	0.0250	5.000		100	80	120				
Chromium	4.992	0.0500	5.000		99.8	80	120				
Lead	4.891	0.0500	5.000		97.8	80	120				
Selenium	5.286	0.100	5.000		106	80	120				
Silver	0.4974	0.0250	0.5000		99.5	80	120				

Sample ID: 1410M69-005AMS	Client ID: LP-COMP-1				Units: mg/L	Prep Date: 10/25/2014	Run No: 278583				
SampleType: MS	TestCode: ICP METALS, TCLP	SW1311/6010C			BatchID: 198185	Analysis Date: 10/25/2014	Seq No: 5888121				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	5.275	0.250	5.000		105	50	150				
Barium	6.980	0.500	5.000	2.116	97.3	50	150				
Cadmium	5.033	0.0250	5.000	0.01422	100	50	150				
Chromium	5.065	0.0500	5.000		101	50	150				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410M69

ANALYTICAL QC SUMMARY REPORT**BatchID: 198185**

Sample ID: 1410M69-005AMS	Client ID: LP-COMP-1	Units: mg/L	Prep Date: 10/25/2014	Run No: 278583							
SampleType: MS	TestCode: ICP METALS, TCLP SW1311/6010C	BatchID: 198185	Analysis Date: 10/25/2014	Seq No: 5888121							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	6.461	0.0500	5.000	1.471	99.8	50	150				
Selenium	5.444	0.100	5.000		109	50	150				
Silver	0.5060	0.0250	0.5000		101	50	150				

Sample ID: 1410M69-005AMSD	Client ID: LP-COMP-1	Units: mg/L	Prep Date: 10/25/2014	Run No: 278583							
SampleType: MSD	TestCode: ICP METALS, TCLP SW1311/6010C	BatchID: 198185	Analysis Date: 10/25/2014	Seq No: 5888122							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	5.120	0.250	5.000		102	50	150	5.275	2.98	30	
Barium	6.769	0.500	5.000	2.116	93.1	50	150	6.980	3.08	30	
Cadmium	4.926	0.0250	5.000	0.01422	98.2	50	150	5.033	2.15	30	
Chromium	4.904	0.0500	5.000		98.1	50	150	5.065	3.23	30	
Lead	6.247	0.0500	5.000	1.471	95.5	50	150	6.461	3.36	30	
Selenium	5.282	0.100	5.000		106	50	150	5.444	3.02	30	
Silver	0.4897	0.0250	0.5000		97.9	50	150	0.5060	3.27	30	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1410M69

ANALYTICAL QC SUMMARY REPORT**BatchID: 198201**

Sample ID: MB-198201	Client ID:				Units: mg/L	Prep Date: 10/27/2014	Run No: 278690				
SampleType: MLBK	TestCode: MERCURY, TCLP SW1311/7470A				BatchID: 198201	Analysis Date: 10/27/2014	Seq No: 5890642				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00400									
Sample ID: LCS-198201	Client ID:				Units: mg/L	Prep Date: 10/27/2014	Run No: 278690				
SampleType: LCS	TestCode: MERCURY, TCLP SW1311/7470A				BatchID: 198201	Analysis Date: 10/27/2014	Seq No: 5890643				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04388	0.00400	0.0400		110	80	120				
Sample ID: 1410M19-001AMS	Client ID:				Units: mg/L	Prep Date: 10/27/2014	Run No: 278690				
SampleType: MS	TestCode: MERCURY, TCLP SW1311/7470A				BatchID: 198201	Analysis Date: 10/27/2014	Seq No: 5890645				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04406	0.00400	0.0400		110	80	120				
Sample ID: 1410M19-001AMSD	Client ID:				Units: mg/L	Prep Date: 10/27/2014	Run No: 278690				
SampleType: MSD	TestCode: MERCURY, TCLP SW1311/7470A				BatchID: 198201	Analysis Date: 10/27/2014	Seq No: 5890646				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04363	0.00400	0.0400		109	80	120	0.04406	0.975	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 13, 2014

Steve Davenport
AMEC E&I, Inc. - Plasters
2677 Buford Highway NE
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Rd

Dear Steve Davenport:

Order No: 1411562

Analytical Environmental Services, Inc. received 2 samples on 11/7/2014 12:53:00 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 07/01/14-06/30/15.
-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.

A handwritten signature in black ink that reads "Tara Esbeck".

Tara Esbeck
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1411562

Date: 11/7/14 Page 1 of 1

COMPANY: AMEC		ADDRESS: 2C 77 Buford Hwy Atlanta, GA 30324		ANALYSIS REQUESTED										Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers										
PHONE: 404-873-4761		FAX:		VOCs (3208)	Solvents (8270C)	RCRA Metals	PCBs (8082)	Pesticides																	
SAMPLED BY: L. McNabb		SIGNATURE: <i>Lamar McNabb</i>		PRESERVATION (See codes)										REMARKS											
#	SAMPLE ID	SAMPLER		Composite	Matrix (See codes)																				
		DATE	TIME			Grab																			
1	Boron Sample A	11/7/14	1120	✓	so	✓	✓	✓	✓	✓							7								
2	Trip Blank				w	✓											2								
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
RELINQUISHED BY: <i>Lamar McNabb</i>		DATE/TIME: 11/7/14		RECEIVED BY: 1. <i>Ataya Reeves</i> 11/7/14 12:53		DATE/TIME: 2. <i>12:53</i>		PROJECT INFORMATION										RECEIPT							
								PROJECT NAME: 1071 Howell Mill Rd										Total # of Containers	9						
								PROJECT #: G121-12-0124										Turnaround Time Request							
								SITE ADDRESS: 1071 Howell Mill Rd Atlanta, GA										Standard 5 Business Days							
								SEND REPORT TO: C. Ferry / S. Davy										2 Business Day Rush							
																		Next Business Day Rush							
																		Same Day Rush (auth req.)							
																		Other _____							
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD										INVOICE TO: (IF DIFFERENT FROM ABOVE)													
		OUT	/	/	VIA:																				
		IN	/	/	VIA:																				
		CLIENT FedEx UPS MAIL COURIER																							
		CRTHOUND OTHER _____																							
												QUOTE #:	PO#:												
																						STATE PROGRAM (if any): _____			
																						E-mail? Y/N; Fax? Y/N			
																						DATA PACKAGE: I II III IV			
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																									

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

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

Client: AMEC E&I, Inc. - Plasters
Project: 1071 Howell Mill Rd
Lab ID: 1411562

Case Narrative

Sample Receiving Nonconformance:

Samples were received at ambient temperature, outside required temperature range of 0-6°C. Samples were delivered to the lab immediately after collection.

Analytical Environmental Services, Inc
Date: 13-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	BORROW SAMPLE A					
Project Name:	1071 Howell Mill Rd	Collection Date:	11/7/2014 11:20:00 AM					
Lab ID:	1411562-001	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B								(SW7471B)
Mercury	BRL	0.115		mg/Kg-dry	198943	1	11/11/2014 13:36	LB
TCL-SEMOVOLATILE ORGANICS SW8270D								(SW3550C)
1,1'-Biphenyl	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2,4,6-Trichlorophenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2,4-Dichlorophenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2,4-Dimethylphenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2,4-Dinitrotoluene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2,6-Dinitrotoluene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2-Chloronaphthalene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2-Chlorophenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2-Methylnaphthalene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2-Methylphenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
2-Nitrophenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
3,3'-Dichlorobenzidine	BRL	770		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4-Bromophenyl phenyl ether	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4-Chloro-3-methylphenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4-Chloroaniline	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4-Chlorophenyl phenyl ether	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4-Methylphenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Acenaphthene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Acenaphthylene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Acetophenone	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Anthracene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Atrazine	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Benz(a)anthracene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Benzaldehyde	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Benzo(a)pyrene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Bis(2-chloroethoxy)methane	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Bis(2-chloroethyl)ether	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Bis(2-chloroisopropyl)ether	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	BORROW SAMPLE A
Project Name:	1071 Howell Mill Rd	Collection Date:	11/7/2014 11:20:00 AM
Lab ID:	1411562-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMITOLATILE ORGANICS SW8270D (SW3550C)								
Bis(2-ethylhexyl)phthalate	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Butyl benzyl phthalate	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Caprolactam	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Carbazole	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Chrysene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Di-n-butyl phthalate	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Di-n-octyl phthalate	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Dibenzofuran	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Diethyl phthalate	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Dimethyl phthalate	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Fluoranthene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Fluorene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Hexachlorobenzene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Hexachlorobutadiene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Hexachlorocyclopentadiene	BRL	760		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Hexachloroethane	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Isophorone	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
N-Nitrosodi-n-propylamine	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
N-Nitrosodiphenylamine	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Naphthalene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Nitrobenzene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Phenanthrene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Phenol	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Pyrene	BRL	380		ug/Kg-dry	198876	1	11/11/2014 12:41	YH
Surr: 2,4,6-Tribromophenol	91.5	40.2-120		%REC	198876	1	11/11/2014 12:41	YH
Surr: 2-Fluorobiphenyl	82.9	45.6-120		%REC	198876	1	11/11/2014 12:41	YH
Surr: 2-Fluorophenol	76.3	35.2-120		%REC	198876	1	11/11/2014 12:41	YH
Surr: 4-Terphenyl-d14	82.1	51-121		%REC	198876	1	11/11/2014 12:41	YH
Surr: Nitrobenzene-d5	84.9	37.8-120		%REC	198876	1	11/11/2014 12:41	YH
Surr: Phenol-d5	81.7	39.9-120		%REC	198876	1	11/11/2014 12:41	YH
TCL VOLATILE ORGANICS SW8260B (SW5035)								
1,1,1-Trichloroethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,1,2,2-Tetrachloroethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,1,2-Trichloroethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,1-Dichloroethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,1-Dichloroethene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,2,4-Trichlorobenzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	BORROW SAMPLE A
Project Name:	1071 Howell Mill Rd	Collection Date:	11/7/2014 11:20:00 AM
Lab ID:	1411562-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)								
1,2-Dibromo-3-chloropropane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,2-Dibromoethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,2-Dichlorobenzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,2-Dichloroethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,2-Dichloropropane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,3-Dichlorobenzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
1,4-Dichlorobenzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
2-Butanone	BRL	65		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
2-Hexanone	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
4-Methyl-2-pentanone	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Acetone	BRL	130		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Benzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Bromodichloromethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Bromoform	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Bromomethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Carbon disulfide	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Carbon tetrachloride	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Chlorobenzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Chloroethane	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Chloroform	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Chloromethane	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
cis-1,2-Dichloroethene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
cis-1,3-Dichloropropene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Cyclohexane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Dibromochloromethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Ethylbenzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Freon-113	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Isopropylbenzene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
m,p-Xylene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Methyl acetate	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Methyl tert-butyl ether	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Methylcyclohexane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Methylene chloride	BRL	26		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
o-Xylene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Styrene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Tetrachloroethene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Toluene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
trans-1,2-Dichloroethene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
trans-1,3-Dichloropropene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Trichloroethene	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	BORROW SAMPLE A
Project Name:	1071 Howell Mill Rd	Collection Date:	11/7/2014 11:20:00 AM
Lab ID:	1411562-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
Trichlorofluoromethane	BRL	6.5		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Vinyl chloride	BRL	13		ug/Kg-dry	198979	1	11/10/2014 19:24	MD
Surr: 4-Bromofluorobenzene	96.4	70-128		%REC	198979	1	11/10/2014 19:24	MD
Surr: Dibromofluoromethane	94.6	78.2-128		%REC	198979	1	11/10/2014 19:24	MD
Surr: Toluene-d8	94.6	76.5-116		%REC	198979	1	11/10/2014 19:24	MD
POLYCHLORINATED BIPHENYLS SW8082A								
Aroclor 1016	BRL	38		ug/Kg-dry	198941	1	11/11/2014 13:15	BB
Aroclor 1221	BRL	38		ug/Kg-dry	198941	1	11/11/2014 13:15	BB
Aroclor 1232	BRL	38		ug/Kg-dry	198941	1	11/11/2014 13:15	BB
Aroclor 1242	BRL	38		ug/Kg-dry	198941	1	11/11/2014 13:15	BB
Aroclor 1248	BRL	38		ug/Kg-dry	198941	1	11/11/2014 13:15	BB
Aroclor 1254	BRL	38		ug/Kg-dry	198941	1	11/11/2014 13:15	BB
Aroclor 1260	BRL	38		ug/Kg-dry	198941	1	11/11/2014 13:15	BB
Surr: Decachlorobiphenyl	108	36.1-138		%REC	198941	1	11/11/2014 13:15	BB
Surr: Tetrachloro-m-xylene	84.8	28.3-116		%REC	198941	1	11/11/2014 13:15	BB
CHLORINATED PESTICIDES, TCL SW8081B								
4,4'-DDD	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
4,4'-DDE	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
4,4'-DDT	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Aldrin	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
alpha-BHC	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
alpha-Chlordane	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
beta-BHC	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
delta-BHC	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Dieldrin	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Endosulfan I	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Endosulfan II	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Endrin	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Endrin aldehyde	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Endrin ketone	BRL	3.8		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
gamma-BHC	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
gamma-Chlordane	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Heptachlor	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Methoxychlor	BRL	19		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Toxaphene	BRL	190		ug/Kg-dry	198942	1	11/11/2014 11:10	BB
Surr: Decachlorobiphenyl	81	33.1-134		%REC	198942	1	11/11/2014 11:10	BB
Surr: Tetrachloro-m-xylene	86.9	31.6-120		%REC	198942	1	11/11/2014 11:10	BB

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	BORROW SAMPLE A
Project Name:	1071 Howell Mill Rd	Collection Date:	11/7/2014 11:20:00 AM
Lab ID:	1411562-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Arsenic	BRL	5.70		mg/Kg-dry	198898	1	11/10/2014 16:06	JL
Barium	185	5.70		mg/Kg-dry	198898	1	11/10/2014 16:06	JL
Cadmium	BRL	2.85		mg/Kg-dry	198898	1	11/10/2014 16:06	JL
Chromium	26.1	2.85		mg/Kg-dry	198898	1	11/10/2014 16:06	JL
Lead	10.7	5.70		mg/Kg-dry	198898	1	11/10/2014 16:06	JL
Selenium	BRL	5.70		mg/Kg-dry	198898	1	11/10/2014 16:06	JL
Silver	BRL	2.85		mg/Kg-dry	198898	1	11/10/2014 16:06	JL
PERCENT MOISTURE D2216								
Percent Moisture	13.3	0		wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd	Collection Date:	11/7/2014
Lab ID:	1411562-002	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B							(SW5030B)	
1,1,1-Trichloroethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,1,2-Trichloroethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,1-Dichloroethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,1-Dichloroethene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,2-Dibromoethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,2-Dichlorobenzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,2-Dichloroethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,2-Dichloropropane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,3-Dichlorobenzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
1,4-Dichlorobenzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
2-Butanone	BRL	50		ug/L	198992	1	11/11/2014 00:02	GC
2-Hexanone	BRL	10		ug/L	198992	1	11/11/2014 00:02	GC
4-Methyl-2-pentanone	BRL	10		ug/L	198992	1	11/11/2014 00:02	GC
Acetone	BRL	50		ug/L	198992	1	11/11/2014 00:02	GC
Benzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Bromodichloromethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Bromoform	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Bromomethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Carbon disulfide	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Carbon tetrachloride	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Chlorobenzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Chloroethane	BRL	10		ug/L	198992	1	11/11/2014 00:02	GC
Chloroform	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Chloromethane	BRL	10		ug/L	198992	1	11/11/2014 00:02	GC
cis-1,2-Dichloroethene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Cyclohexane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Dibromochloromethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Dichlorodifluoromethane	BRL	10		ug/L	198992	1	11/11/2014 00:02	GC
Ethylbenzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Freon-113	BRL	10		ug/L	198992	1	11/11/2014 00:02	GC
Isopropylbenzene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
m,p-Xylene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Methyl acetate	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Methyl tert-butyl ether	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Methylcyclohexane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Methylene chloride	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
o-Xylene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 13-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd	Collection Date:	11/7/2014
Lab ID:	1411562-002	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Tetrachloroethene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Toluene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Trichloroethene	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Trichlorofluoromethane	BRL	5.0		ug/L	198992	1	11/11/2014 00:02	GC
Vinyl chloride	BRL	2.0		ug/L	198992	1	11/11/2014 00:02	GC
Surr: 4-Bromofluorobenzene	102	70.6-123	%REC		198992	1	11/11/2014 00:02	GC
Surr: Dibromofluoromethane	109	78.7-124	%REC		198992	1	11/11/2014 00:02	GC
Surr: Toluene-d8	105	81.3-120	%REC		198992	1	11/11/2014 00:02	GC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

Analytical Environmental Services, Inc.**Sample/Cooler Receipt Checklist**Client AMEWork Order Number 1411562Checklist completed by Myler SignatureDate 1/2/14Carrier name: FedEx UPS Courier Client US Mail Other Shipping container/coolers in good condition? Yes No Not Present Custody seals intact on shipping container/coolers? 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 Ankit Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Chain of custody present? Yes No Chain of custody signed when relinquished and received? Yes No Chain of custody agrees with sample labels? Yes No Samples in proper container/bottle? Yes No Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No All samples received within holding time? Yes No Was TAT marked on the COC? Yes No Proceed with Standard TAT as per project history? Yes No Not Applicable Water - VOA vials have zero headspace? No VOA vials submitted Yes No Water - pH acceptable upon receipt? Yes No Not Applicable Adjusted? Checked by Sample Condition: Good Other(Explain) (For diffusive samples or AIHA lead) Is a known blank included? Yes No **See Case Narrative for resolution of the Non-Conformance.**

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

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198876**

Sample ID: MB-198876	Client ID:	Units: ug/Kg			Prep Date:	11/10/2014	Run No:	279638			
SampleType: MLBK	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D	BatchID: 198876			Analysis Date:	11/10/2014	Seq No:	5911501			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1'-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3'-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers: > Greater than Result value
 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. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198876**

Sample ID: MB-198876	Client ID:	Units: ug/Kg			Prep Date:	11/10/2014	Run No:	279638			
SampleType: MLBK	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D	BatchID: 198876			Analysis Date:	11/10/2014	Seq No:	5911501			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198876**

Sample ID: MB-198876	Client ID:				Units: ug/Kg	Prep Date: 11/10/2014	Run No: 279638				
SampleType: MLBK	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D				BatchID: 198876	Analysis Date: 11/10/2014	Seq No: 5911501				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthren	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2761	0	3333		82.8	40.2	120				
Surr: 2-Fluorobiphenyl	1312	0	1667		78.7	45.6	120				
Surr: 2-Fluorophenol	2474	0	3333		74.2	35.2	120				
Surr: 4-Terphenyl-d14	1354	0	1667		81.2	51	121				
Surr: Nitrobenzene-d5	1375	0	1667		82.5	37.8	120				
Surr: Phenol-d5	2591	0	3333		77.7	39.9	120				

Sample ID: LCS-198876	Client ID:				Units: ug/Kg	Prep Date: 11/10/2014	Run No: 279638				
SampleType: LCS	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D				BatchID: 198876	Analysis Date: 11/10/2014	Seq No: 5911515				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	3574	330	3333		107	53.4	120				
2-Chlorophenol	3212	330	3333		96.4	50.3	120				
4-Chloro-3-methylphenol	3501	330	3333		105	55.4	120				
4-Nitrophenol	3389	1700	3333		102	40.6	120				
Acenaphthene	3381	330	3333		101	58.9	120				
N-Nitrosodi-n-propylamine	3640	330	3333		109	52.2	119				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198876**

Sample ID: LCS-198876	Client ID:				Units: ug/Kg	Prep Date:	11/10/2014	Run No: 279638
SampleType: LCS	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D				BatchID: 198876	Analysis Date:	11/10/2014	Seq No: 5911515
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Pentachlorophenol	3438	1700	3333		103	40.9	129	
Phenol	2959	330	3333		88.8	50.2	118	
Pyrene	3174	330	3333		95.2	60.5	120	
Surr: 2,4,6-Tribromophenol	3637	0	3333		109	40.2	120	
Surr: 2-Fluorobiphenyl	1752	0	1667		105	45.6	120	
Surr: 2-Fluorophenol	3148	0	3333		94.4	35.2	120	
Surr: 4-Terphenyl-d14	1694	0	1667		102	51	121	
Surr: Nitrobenzene-d5	1727	0	1667		104	37.8	120	
Surr: Phenol-d5	3409	0	3333		102	39.9	120	

Sample ID: 141151-001BMS	Client ID:				Units: ug/Kg-dry	Prep Date:	11/10/2014	Run No: 279638
SampleType: MS	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D				BatchID: 198876	Analysis Date:	11/10/2014	Seq No: 5912818
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
2,4-Dinitrotoluene	3854	400	4075		94.6	40.3	120	
2-Chlorophenol	3356	400	4075		82.4	44.2	120	
4-Chloro-3-methylphenol	3795	400	4075		93.1	42.1	120	
4-Nitrophenol	3650	2100	4075		89.6	30.8	120	
Acenaphthene	3687	400	4075		90.5	51.1	120	
N-Nitrosodi-n-propylamine	3958	400	4075		97.1	50.4	120	
Pentachlorophenol	3748	2100	4075		92.0	38.1	120	
Phenol	3127	400	4075		76.7	43.1	120	
Pyrene	3616	400	4075		88.7	45.3	120	
Surr: 2,4,6-Tribromophenol	4011	0	4075		98.4	40.2	120	
Surr: 2-Fluorobiphenyl	1901	0	2037		93.3	45.6	120	
Surr: 2-Fluorophenol	3291	0	4075		80.8	35.2	120	
Surr: 4-Terphenyl-d14	1882	0	2037		92.4	51	121	
Surr: Nitrobenzene-d5	1871	0	2037		91.8	37.8	120	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198876**

Sample ID: 1411151-001BMS	Client ID:	Units: ug/Kg-dry			Prep Date:	11/10/2014	Run No:	279638			
SampleType: MS	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D	BatchID: 198876			Analysis Date:	11/10/2014	Seq No:	5912818			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	3642	0	4075		89.4	39.9	120				
Sample ID: 1411151-001BMSD	Client ID:	Units: ug/Kg-dry			Prep Date:	11/10/2014	Run No:	279638			
SampleType: MSD	TestCode: TCL-SEMOVOLATILE ORGANICS SW8270D	BatchID: 198876			Analysis Date:	11/10/2014	Seq No:	5912822			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	3506	400	4075		86.0	40.3	120	3854	9.46	38.7	
2-Chlorophenol	3081	400	4075		75.6	44.2	120	3356	8.55	32.9	
4-Chloro-3-methylphenol	3756	400	4075		92.2	42.1	120	3795	1.04	33.2	
4-Nitrophenol	3488	2100	4075		85.6	30.8	120	3650	4.56	34	
Acenaphthene	3416	400	4075		83.8	51.1	120	3687	7.65	30.5	
N-Nitrosodi-n-propylamine	3696	400	4075		90.7	50.4	120	3958	6.85	34.6	
Pentachlorophenol	3476	2100	4075		85.3	38.1	120	3748	7.55	33	
Phenol	2845	400	4075		69.8	43.1	120	3127	9.44	37.4	
Pyrene	3209	400	4075		78.8	45.3	120	3616	11.9	32.8	
Surr: 2,4,6-Tribromophenol	3598	0	4075		88.3	40.2	120	4011	0	0	
Surr: 2-Fluorobiphenyl	1729	0	2037		84.8	45.6	120	1901	0	0	
Surr: 2-Fluorophenol	3034	0	4075		74.5	35.2	120	3291	0	0	
Surr: 4-Terphenyl-d14	1646	0	2037		80.8	51	121	1882	0	0	
Surr: Nitrobenzene-d5	1749	0	2037		85.8	37.8	120	1871	0	0	
Surr: Phenol-d5	3307	0	4075		81.2	39.9	120	3642	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198898**

Sample ID: MB-198898	Client ID:				Units: mg/Kg	Prep Date: 11/08/2014	Run No: 279641				
SampleType: MLBK	TestCode: METALS, TOTAL	SW6010C			BatchID: 198898	Analysis Date: 11/10/2014	Seq No: 5911830				
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									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Selenium	BRL	5.00									
Silver	BRL	2.50									

Sample ID: LCS-198898	Client ID:				Units: mg/Kg	Prep Date: 11/08/2014	Run No: 279641				
SampleType: LCS	TestCode: METALS, TOTAL	SW6010C			BatchID: 198898	Analysis Date: 11/10/2014	Seq No: 5911831				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.69	5.00	50.00		95.4	80	120				
Barium	48.15	5.00	50.00		96.3	80	120				
Cadmium	47.05	2.50	50.00		94.1	80	120				
Chromium	48.79	2.50	50.00		97.6	80	120				
Lead	47.14	5.00	50.00		94.3	80	120				
Selenium	47.98	5.00	50.00		96.0	80	120				
Silver	4.680	2.50	5.000		93.6	80	120				

Sample ID: 1411398-001AMS	Client ID:				Units: mg/Kg-dry	Prep Date: 11/08/2014	Run No: 279641				
SampleType: MS	TestCode: METALS, TOTAL	SW6010C			BatchID: 198898	Analysis Date: 11/10/2014	Seq No: 5911835				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	58.86	6.22	62.23		94.6	75	125				
Barium	65.83	6.22	62.23	5.444	97.0	75	125				
Cadmium	58.50	3.11	62.23		94.0	75	125				
Chromium	63.41	3.11	62.23	3.384	96.5	75	125				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198898**

Sample ID: 1411398-001AMS	Client ID:				Units: mg/Kg-dry	Prep Date:	11/08/2014	Run No: 279641
SampleType: MS	TestCode:	METALS, TOTAL	SW6010C			BatchID: 198898	Analysis Date: 11/10/2014	Seq No: 5911835
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val %RPD RPD Limit Qual
Lead	59.03	6.22	62.23	0.6448	93.8	75	125	
Selenium	59.62	6.22	62.23		95.8	75	125	
Silver	5.779	3.11	6.223		92.9	75	125	
Sample ID: 1411398-001AMSD	Client ID:				Units: mg/Kg-dry	Prep Date:	11/08/2014	Run No: 279641
SampleType: MSD	TestCode:	METALS, TOTAL	SW6010C			BatchID: 198898	Analysis Date: 11/10/2014	Seq No: 5911836
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val %RPD RPD Limit Qual
Arsenic	60.39	6.22	62.23		97.0	75	125	58.86 2.56 20
Barium	66.43	6.22	62.23	5.444	98.0	75	125	65.83 0.915 20
Cadmium	59.57	3.11	62.23		95.7	75	125	58.50 1.81 20
Chromium	65.10	3.11	62.23	3.384	99.2	75	125	63.41 2.62 20
Lead	60.54	6.22	62.23	0.6448	96.2	75	125	59.03 2.52 20
Selenium	61.55	6.22	62.23		98.9	75	125	59.62 3.18 20
Silver	5.893	3.11	6.223		94.7	75	125	5.779 1.95 20

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198941**

Sample ID: MB-198941	Client ID:	Units: ug/Kg			Prep Date:	11/11/2014	Run No:	279716
SampleType: MLBK	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 198941			Analysis Date:	11/11/2014	Seq No:	5913406
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Aroclor 1016	BRL	33						
Aroclor 1221	BRL	33						
Aroclor 1232	BRL	33						
Aroclor 1242	BRL	33						
Aroclor 1248	BRL	33						
Aroclor 1254	BRL	33						
Aroclor 1260	BRL	33						
Surr: Decachlorobiphenyl	17.00	0	16.67		102	36.1	138	
Surr: Tetrachloro-m-xylene	15.18	0	16.67		91.0	28.3	116	

Sample ID: LCS-198941	Client ID:	Units: ug/Kg			Prep Date:	11/11/2014	Run No:	279716
SampleType: LCS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 198941			Analysis Date:	11/11/2014	Seq No:	5913407
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Aroclor 1016	142.9	33	166.7		85.7	57.7	118	
Aroclor 1260	142.5	33	166.7		85.5	59	118	
Surr: Decachlorobiphenyl	16.16	0	16.67		96.9	36.1	138	
Surr: Tetrachloro-m-xylene	13.70	0	16.67		82.2	28.3	116	

Sample ID: 1411236-023AMS	Client ID:	Units: ug/Kg-dry			Prep Date:	11/11/2014	Run No:	279788
SampleType: MS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 198941			Analysis Date:	11/12/2014	Seq No:	5915130
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Aroclor 1016	191.6	39	194.2		98.6	45.1	132	
Aroclor 1260	198.2	39	194.2		102	42	131	
Surr: Decachlorobiphenyl	20.52	0	19.43		106	36.1	138	
Surr: Tetrachloro-m-xylene	17.80	0	19.43		91.6	28.3	116	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198941**

Sample ID: 1411236-023AMSD	Client ID:	Units: ug/Kg-dry			Prep Date:	11/11/2014	Run No: 279788				
SampleType: MSD	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 198941			Analysis Date:	11/12/2014	Seq No: 5915193				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	182.5	39	194.2		94.0	45.1	132	191.6	4.87	37	
Aroclor 1260	190.5	39	194.2		98.1	42	131	198.2	3.95	39	
Surr: Decachlorobiphenyl	18.33	0	19.43		94.4	36.1	138	20.52	0	0	
Surr: Tetrachloro-m-xylene	16.14	0	19.43		83.1	28.3	116	17.80	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198942**

Sample ID: MB-198942	Client ID:				Units: ug/Kg	Prep Date: 11/11/2014	Run No: 279704				
SampleType: MLBK	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 198942	Analysis Date: 11/11/2014	Seq No: 5913225				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	BRL	3.3									
4,4'-DDE	BRL	3.3									
4,4'-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	12.33	0	16.67		74.0	33.1	134				
Surr: Tetrachloro-m-xylene	14.64	0	16.67		87.8	31.6	120				

Sample ID: LCS-198942	Client ID:				Units: ug/Kg	Prep Date: 11/11/2014	Run No: 279704				
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B				BatchID: 198942	Analysis Date: 11/11/2014	Seq No: 5913226				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified		R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix			

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198942**

Sample ID: LCS-198942	Client ID:	Units: ug/Kg			Prep Date:	11/11/2014	Run No:	279704
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B	BatchID: 198942			Analysis Date:	11/11/2014	Seq No:	5913226
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
4,4'-DDT	26.28	3.3	33.33		78.9	45.8	133	
Aldrin	35.82	1.7	33.33		107	44.4	126	
Dieldrin	35.35	3.3	33.33		106	49.7	135	
Endrin	35.19	3.3	33.33		106	46.2	134	
gamma-BHC	36.24	1.7	33.33		109	44.2	133	
Heptachlor	26.24	1.7	33.33		78.7	41	137	
Surr: Decachlorobiphenyl	14.07	0	16.67		84.4	33.1	134	
Surr: Tetrachloro-m-xylene	15.09	0	16.67		90.5	31.6	120	

Sample ID: 1411562-001CMS	Client ID: BORROW SAMPLE A	Units: ug/Kg-dry			Prep Date:	11/11/2014	Run No:	279822
SampleType: MS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B	BatchID: 198942			Analysis Date:	11/12/2014	Seq No:	5915892
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
4,4'-DDT	19.96	3.8	38.44		51.9	36.7	138	
Aldrin	31.38	1.9	38.44		81.6	38.4	135	
Dieldrin	31.49	3.8	38.44		81.9	44.2	138	
Endrin	37.66	3.8	38.44		98.0	44.6	138	
gamma-BHC	35.81	1.9	38.44		93.1	43.8	136	
Heptachlor	34.10	1.9	38.44		88.7	41.3	136	
Surr: Decachlorobiphenyl	14.08	0	19.23		73.2	33.1	134	
Surr: Tetrachloro-m-xylene	14.48	0	19.23		75.3	31.6	120	

Sample ID: 1411562-001CMSD	Client ID: BORROW SAMPLE A	Units: ug/Kg-dry			Prep Date:	11/11/2014	Run No:	279822
SampleType: MS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B	BatchID: 198942			Analysis Date:	11/12/2014	Seq No:	5915893
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
4,4'-DDT	22.82	3.8	38.44		59.4	36.7	138	
Aldrin	37.80	1.9	38.44		98.3	38.4	135	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198942**

Sample ID: 1411562-001CMSD	Client ID: BORROW SAMPLE A	Units: ug/Kg-dry	Prep Date: 11/11/2014	Run No: 279822							
SampleType: MS	TestCode: CHLORINATED PESTICIDES, TCL SW8081B	BatchID: 198942	Analysis Date: 11/12/2014	Seq No: 5915893							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	38.54	3.8	38.44		100	44.2	138				
Endrin	39.41	3.8	38.44		103	44.6	138				
gamma-BHC	36.39	1.9	38.44		94.7	43.8	136				
Heptachlor	34.89	1.9	38.44		90.8	41.3	136				
Surr: Decachlorobiphenyl	16.43	0	19.23		85.4	33.1	134				
Surr: Tetrachloro-m-xylene	14.16	0	19.23		73.7	31.6	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198943**

Sample ID: MB-198943	Client ID:				Units: mg/Kg	Prep Date:	11/11/2014	Run No: 279767
SampleType: MLBK	TestCode: TOTAL MERCURY SW7471B				BatchID: 198943	Analysis Date:	11/11/2014	Seq No: 5914478
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						
Sample ID: LCS-198943	Client ID:				Units: mg/Kg	Prep Date:	11/11/2014	Run No: 279767
SampleType: LCS	TestCode: TOTAL MERCURY SW7471B				BatchID: 198943	Analysis Date:	11/11/2014	Seq No: 5914481
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val %RPD RPD Limit Qual
Mercury	0.4011	0.100	0.4000		100	80	120	
Sample ID: 1411562-001DMS	Client ID: BORROW SAMPLE A				Units: mg/Kg-dry	Prep Date:	11/11/2014	Run No: 279767
SampleType: MS	TestCode: TOTAL MERCURY SW7471B				BatchID: 198943	Analysis Date:	11/11/2014	Seq No: 5914484
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val %RPD RPD Limit Qual
Mercury	0.4487	0.115	0.4595	0.009735	95.5	70	130	
Sample ID: 1411562-001DMSD	Client ID: BORROW SAMPLE A				Units: mg/Kg-dry	Prep Date:	11/11/2014	Run No: 279767
SampleType: MSD	TestCode: TOTAL MERCURY SW7471B				BatchID: 198943	Analysis Date:	11/11/2014	Seq No: 5914485
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val %RPD RPD Limit Qual
Mercury	0.4719	0.115	0.4595	0.009735	101	70	130	0.4487 5.04 30

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198979**

Sample ID: MB-198979	Client ID:				Units: ug/Kg	Prep Date: 11/10/2014	Run No: 279648				
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198979	Analysis Date: 11/10/2014	Seq No: 5912458				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers: > Greater than Result value

< Less than Result value

B Analyte detected in the associated method blank

BRL Below reporting limit

E Estimated (value above quantitation range)

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

R RPD outside limits due to matrix

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198979**

Sample ID: MB-198979	Client ID:	Units: ug/Kg			Prep Date:	11/10/2014	Run No:	279648			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 198979			Analysis Date:	11/10/2014	Seq No:	5912458			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	48.09	0	50.00		96.2	70	128				
Surr: Dibromofluoromethane	46.58	0	50.00		93.2	78.2	128				
Surr: Toluene-d8	47.98	0	50.00		96.0	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198979**

Sample ID: LCS-198979	Client ID:				Units: ug/Kg	Prep Date:	11/10/2014	Run No: 279648			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198979	Analysis Date:	11/10/2014	Seq No: 5912454			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	40.75	5.0	50.00		81.5	69.9	145				
Benzene	49.00	5.0	50.00		98.0	72.3	130				
Chlorobenzene	48.32	5.0	50.00		96.6	69	130				
Toluene	50.32	5.0	50.00		101	71.1	130				
Trichloroethene	53.86	5.0	50.00		108	71.7	136				
Surr: 4-Bromofluorobenzene	46.87	0	50.00		93.7	70	128				
Surr: Dibromofluoromethane	46.59	0	50.00		93.2	78.2	128				
Surr: Toluene-d8	46.97	0	50.00		93.9	76.5	116				

Sample ID: 1411562-001AMS	Client ID: BORROW SAMPLE A				Units: ug/Kg-dry	Prep Date:	11/10/2014	Run No: 279648			
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198979	Analysis Date:	11/10/2014	Seq No: 5912455			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	47.52	5.8	57.67		82.4	56.6	151				
Benzene	58.15	5.8	57.67		101	70.4	130				
Chlorobenzene	57.18	5.8	57.67		99.2	67.5	132				
Toluene	57.33	5.8	57.67		99.4	70.4	130				
Trichloroethene	62.20	5.8	57.67		108	70.1	137				
Surr: 4-Bromofluorobenzene	53.60	0	57.67		92.9	70	128				
Surr: Dibromofluoromethane	53.32	0	57.67		92.5	78.2	128				
Surr: Toluene-d8	54.69	0	57.67		94.8	76.5	116				

Sample ID: 1411562-001AMSD	Client ID: BORROW SAMPLE A				Units: ug/Kg-dry	Prep Date:	11/10/2014	Run No: 279648			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198979	Analysis Date:	11/10/2014	Seq No: 5912456			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	47.62	5.8	57.67		82.6	56.6	151	47.52	0.218	20.4	
Benzene	58.02	5.8	57.67		101	70.4	130	58.15	0.238	16.9	

Qualifiers:	>	Greater than Result value	<	Less than Result value		B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)		H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified		R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix			

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198979**

Sample ID: 1411562-001AMSD	Client ID: BORROW SAMPLE A				Units: ug/Kg-dry	Prep Date: 11/10/2014	Run No: 279648				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198979	Analysis Date: 11/10/2014	Seq No: 5912456				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	56.15	5.8	57.67		97.4	67.5	132	57.18	1.83	14.6	
Toluene	58.16	5.8	57.67		101	70.4	130	57.33	1.44	16.6	
Trichloroethene	62.09	5.8	57.67		108	70.1	137	62.20	0.186	17	
Surr: 4-Bromofluorobenzene	53.81	0	57.67		93.3	70	128	53.60	0	0	
Surr: Dibromofluoromethane	54.85	0	57.67		95.1	78.2	128	53.32	0	0	
Surr: Toluene-d8	55.49	0	57.67		96.2	76.5	116	54.69	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198992**

Sample ID: MB-198992	Client ID:	Units: ug/L			Prep Date:	11/10/2014	Run No:	279699			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 198992			Analysis Date:	11/10/2014	Seq No:	5913231			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers: > Greater than Result value

< Less than Result value

B Analyte detected in the associated method blank

BRL Below reporting limit

E Estimated (value above quantitation range)

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

R RPD outside limits due to matrix

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198992**

Sample ID: MB-198992	Client ID:	Units: ug/L			Prep Date:	11/10/2014	Run No:	279699			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 198992			Analysis Date:	11/10/2014	Seq No:	5913231			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	51.93	0	50.00		104	70.6	123				
Surr: Dibromofluoromethane	53.40	0	50.00		107	78.7	124				
Surr: Toluene-d8	51.28	0	50.00		103	81.3	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198992**

Sample ID: LCS-198992	Client ID:				Units: ug/L	Prep Date:	11/10/2014	Run No: 279699			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198992	Analysis Date:	11/10/2014	Seq No: 5913230			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	48.28	5.0	50.00		96.6	63.1	140				
Benzene	51.28	5.0	50.00		103	74.2	129				
Chlorobenzene	48.47	5.0	50.00		96.9	70	129				
Toluene	48.87	5.0	50.00		97.7	74.2	129				
Trichloroethene	49.75	5.0	50.00		99.5	71.2	135				
Surr: 4-Bromofluorobenzene	49.51	0	50.00		99.0	70.6	123				
Surr: Dibromofluoromethane	51.60	0	50.00		103	78.7	124				
Surr: Toluene-d8	48.03	0	50.00		96.1	81.3	120				

Sample ID: 1411664-008AMS	Client ID:				Units: ug/L	Prep Date:	11/10/2014	Run No: 279899			
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198992	Analysis Date:	11/13/2014	Seq No: 5917820			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	1325	100	1000		133	60.2	159				
Benzene	1123	100	1000		112	70.2	138				
Chlorobenzene	1135	100	1000		114	70.1	133				
Toluene	1141	100	1000		114	70	139				
Trichloroethene	1684	100	1000	598.0	109	70.1	144				
Surr: 4-Bromofluorobenzene	818.8	0	1000		81.9	70.6	123				
Surr: Dibromofluoromethane	1055	0	1000		106	78.7	124				
Surr: Toluene-d8	964.2	0	1000		96.4	81.3	120				

Sample ID: 1411664-008AMSD	Client ID:				Units: ug/L	Prep Date:	11/10/2014	Run No: 279899			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198992	Analysis Date:	11/13/2014	Seq No: 5917821			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	1311	100	1000		131	60.2	159	1325	1.05	19.2	
Benzene	1078	100	1000		108	70.2	138	1123	4.03	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411562

ANALYTICAL QC SUMMARY REPORT**BatchID: 198992**

Sample ID: 1411664-008AMSD	Client ID:				Units: ug/L	Prep Date: 11/10/2014	Run No: 279899				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 198992	Analysis Date: 11/13/2014	Seq No: 5917821				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	1097	100	1000		110	70.1	133	1135	3.40	20	
Toluene	1098	100	1000		110	70	139	1141	3.88	20	
Trichloroethene	1643	100	1000	598.0	105	70.1	144	1684	2.44	20	
Surr: 4-Bromofluorobenzene	811.2	0	1000		81.1	70.6	123	818.8	0	0	
Surr: Dibromofluoromethane	1051	0	1000		105	78.7	124	1055	0	0	
Surr: Toluene-d8	970.6	0	1000		97.1	81.3	120	964.2	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 21, 2014

Steve Foley
AMEC E&I, Inc. - Plasters
2677 Buford Highway NE
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 1071 Howell Mill Rd

Dear Steve Foley:

Order No: 1411G43

Analytical Environmental Services, Inc. received 2 samples on 11/19/2014 2:41:00 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 07/01/14-06/30/15.
-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.

A handwritten signature in black ink that reads "Tara Esbeck".

Tara Esbeck
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1411G43

Date: 11/19/14 Page 1 of 1

COMPANY: <i>Amc</i>		ADDRESS: 2677 Buford Hwy ATLANTA, GA 30324		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers										
				RCC/RAP-AUG-14																			
PHONE: 904-817-0152		FAX:			PRESERVATION (Sec codes)																		
SAMPLED BY: <i>STEPHEN R FOLEY</i>		SIGNATURE: <i>SRF</i>																					
#	SAMPLE ID	SAMPLING			Grab	Composite	Matrix (See codes)	PRESERVATION (Sec codes)												REMARKS			
		DATE	TIME																				
1	55-1	11/19/14	1335		X	50	X																
2	55-2	11/19/14	1350		X	50	X																
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
RELINQUISHED BY: <i>SRF</i> 11/19/14		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION												RECEIPT						
1:		1:	11/19/14 2:41		PROJECT NAME: 1071 Howell Mill												Total # of Containers	2					
2:		2:		PROJECT #:												Turnaround Time Request							
3:		3:		SITE ADDRESS: 1071 HOWELL MILL RD ATLANTA, GA												Standard 5 Business Days							
SEND REPORT TO: <i>Steve Foley</i>															2 Business Day Rush								
															Next Business Day Rush								
															Same Day Rush (auth req.)								
															Other _____								
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						INVOICE TO: (IF DIFFERENT FROM ABOVE)												STATE PROGRAM (if any): _____			
		OUT / /	VIA:																			E-mail? Y/N _____	Fax? Y/N _____
		IN / /	VIA:																			DATA PACKAGE: I II III IV	
		CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER _____						QUOTE #: _____ PO#: _____															
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																							

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

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

Client: AMEC E&I, Inc. - Plasters
Project: 1071 Howell Mill Rd
Lab ID: 1411G43

Case Narrative

Analysis for sample "SS-2" is not needed per Steve Foley on 11/20/14. However, Hg was already completed due to the rush TAT status. 6010 portion of sample had been prepped, but not analyzed at the time of this request. Therefore only prep for this sample was charged.

Analytical Environmental Services, Inc**Date:** 21-Nov-14

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	SS-1					
Project Name:	1071 Howell Mill Rd	Collection Date:	11/19/2014 1:35:00 PM					
Lab ID:	1411G43-001	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B								(SW7471B)
Mercury	BRL	0.104		mg/Kg-dry	199408	1	11/19/2014 16:13	JG
METALS, TOTAL SW6010C								(SW3050B)
Arsenic	BRL	5.13		mg/Kg-dry	199490	1	11/20/2014 11:04	TA
Barium	148	5.13		mg/Kg-dry	199490	1	11/20/2014 11:04	TA
Cadmium	BRL	2.56		mg/Kg-dry	199490	1	11/20/2014 11:04	TA
Chromium	16.3	2.56		mg/Kg-dry	199490	1	11/20/2014 11:04	TA
Lead	267	5.13		mg/Kg-dry	199490	1	11/20/2014 11:04	TA
Selenium	BRL	5.13		mg/Kg-dry	199490	1	11/20/2014 11:04	TA
Silver	BRL	2.56		mg/Kg-dry	199490	1	11/20/2014 11:04	TA
PERCENT MOISTURE D2216								
Percent Moisture	6.03	0		wt%	R280457	1	11/20/2014 09:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Anec

Work Order Number 1411643

Checklist completed by Jean B Date 11/19/14

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes No

Cooler #1 3-2° Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by _____

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411G43

ANALYTICAL QC SUMMARY REPORT**BatchID: 199408**

Sample ID: MB-199408	Client ID:				Units: mg/Kg	Prep Date: 11/18/2014	Run No: 280361				
SampleType: MLBK	TestCode: TOTAL MERCURY SW7471B				BatchID: 199408	Analysis Date: 11/19/2014	Seq No: 5928367				
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									
Sample ID: LCS-199408	Client ID:				Units: mg/Kg	Prep Date: 11/18/2014	Run No: 280361				
SampleType: LCS	TestCode: TOTAL MERCURY SW7471B				BatchID: 199408	Analysis Date: 11/19/2014	Seq No: 5928368				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4005	0.100	0.4000		100	80	120				
Sample ID: 1411663-001BMS	Client ID:				Units: mg/Kg-dry	Prep Date: 11/18/2014	Run No: 280361				
SampleType: MS	TestCode: TOTAL MERCURY SW7471B				BatchID: 199408	Analysis Date: 11/19/2014	Seq No: 5928370				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5567	0.120	0.4783	0.1196	91.4	70	130				
Sample ID: 1411663-001BMSD	Client ID:				Units: mg/Kg-dry	Prep Date: 11/18/2014	Run No: 280361				
SampleType: MSD	TestCode: TOTAL MERCURY SW7471B				BatchID: 199408	Analysis Date: 11/19/2014	Seq No: 5928371				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5514	0.120	0.4783	0.1196	90.3	70	130	0.5567	0.961	30	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411G43

ANALYTICAL QC SUMMARY REPORT**BatchID: 199490**

Sample ID: MB-199490	Client ID:				Units: mg/Kg	Prep Date: 11/19/2014	Run No: 280438				
SampleType: MLBK	TestCode: METALS, TOTAL	SW6010C			BatchID: 199490	Analysis Date: 11/20/2014	Seq No: 5930802				
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									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Selenium	BRL	5.00									
Silver	BRL	2.50									

Sample ID: LCS-199490	Client ID:				Units: mg/Kg	Prep Date: 11/19/2014	Run No: 280438				
SampleType: LCS	TestCode: METALS, TOTAL	SW6010C			BatchID: 199490	Analysis Date: 11/20/2014	Seq No: 5930803				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	46.98	5.00	50.00		94.0	80	120				
Barium	48.16	5.00	50.00		96.3	80	120				
Cadmium	46.57	2.50	50.00		93.1	80	120				
Chromium	49.94	2.50	50.00		99.9	80	120				
Lead	47.75	5.00	50.00		95.5	80	120				
Selenium	46.41	5.00	50.00		92.8	80	120				
Silver	4.705	2.50	5.000		94.1	80	120				

Sample ID: 1411G43-001AMS	Client ID: SS-1				Units: mg/Kg-dry	Prep Date: 11/19/2014	Run No: 280438				
SampleType: MS	TestCode: METALS, TOTAL	SW6010C			BatchID: 199490	Analysis Date: 11/20/2014	Seq No: 5930805				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	50.17	5.13	51.25	3.423	91.2	75	125				
Barium	211.7	5.13	51.25	148.3	124	75	125				
Cadmium	45.63	2.56	51.25	0.5214	88.0	75	125				
Chromium	63.42	2.56	51.25	16.33	91.9	75	125				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd
Workorder: 1411G43

ANALYTICAL QC SUMMARY REPORT**BatchID: 199490**

Sample ID: 1411G43-001AMS	Client ID: SS-1					Units: mg/Kg-dry	Prep Date: 11/19/2014	Run No: 280438
SampleType: MS	TestCode: METALS, TOTAL					BatchID: 199490	Analysis Date: 11/20/2014	Seq No: 5930805
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Lead	303.5	5.13	51.25	266.9	71.4	75	125	
Selenium	42.97	5.13	51.25		83.8	75	125	
Silver	4.678	2.56	5.125	0.7905	75.9	75	125	
Sample ID: 1411G43-001AMSD	Client ID: SS-1					Units: mg/Kg-dry	Prep Date: 11/19/2014	Run No: 280438
SampleType: MSD	TestCode: METALS, TOTAL					BatchID: 199490	Analysis Date: 11/20/2014	Seq No: 5930806
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Arsenic	49.64	5.13	51.25	3.423	90.2	75	125	50.17
Barium	198.3	5.13	51.25	148.3	97.6	75	125	211.7
Cadmium	46.05	2.56	51.25	0.5214	88.8	75	125	45.63
Chromium	63.90	2.56	51.25	16.33	92.8	75	125	63.42
Lead	374.0	5.13	51.25	266.9	209	75	125	303.5
Selenium	43.86	5.13	51.25		85.6	75	125	42.97
Silver	5.424	2.56	5.125	0.7905	90.4	75	125	4.678

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 01, 2015

Steve Davenport
AMEC E&I, Inc. - Plasters
2677 Buford Highway NE
Atlanta GA 30324

TEL: (404) 788-7909
FAX: (404) 817-0183

RE: 1071 Howell Mill Rd.

Dear Steve Davenport:

Order No: 1509P25

Analytical Environmental Services, Inc. received 3 samples on 9/29/2015 2:20:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

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.

Ioana Pacurar
Project Manager



COMPANY: Ameec Foster Wheeler		ADDRESS: 2677 Buford Hwy Atlanta, GA 30324		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers						
PHONE: 404-873-4701		FAX: <i>P. Gazzola</i>																	
SAMPLED BY: P. Gazzola	SIGNATURE: <i>P. Gazzola</i>		VOC																
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS				
		DATE	TIME																
1	MW1R2	9/29/15	1250	✓	GW	✓									2				
2	MW3R	9/29/15	1150	✓	GW	✓									2				
3	Trip Blank														2				
4	Temp														1				
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
RELINQUISHED BY:		DATE/TIME RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION								RECEIPT					
1:	<i>P. Gazzola</i>	9/29/15 1420	Completed	9/29/15		PROJECT NAME: 1071 Howell Mill Rd								Total # of Containers	7				
2:		2:		1420		PROJECT #: C121120124.03								Turnaround Time Request					
3:		3:				SITE ADDRESS: 1071 Howell Mill Rd Atlanta, GA								<input type="radio"/> Standard 5 Business Days					
						SEND REPORT TO: S. Davenport / C. Foss								<input checked="" type="radio"/> 2 Business Day Rush					
														<input type="radio"/> Next Business Day Rush					
														<input type="radio"/> Same Day Rush (auth req.)					
														<input type="radio"/> Other					
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						INVOICE TO: (IF DIFFERENT FROM ABOVE)								STATE PROGRAM (if any): _____			
		OUT / /	VIA:															E-mail? Y/N	Fax? Y/N
		IN / /	VIA:															DATA PACKAGE: I II III IV	
		CLIENT FedEx UPS MAIL COURIER																	
		GREYHOUND OTHER																	

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	MW1R2					
Project Name:	1071 Howell Mill Rd.	Collection Date:	9/29/2015 12:50:00 PM					
Lab ID:	1509P25-001	Matrix:	Groundwater					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B							(SW5030B)	
1,1,1-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dibromoethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dichloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
2-Butanone	BRL	50		ug/L	213644	1	09/30/2015 03:43	CH
2-Hexanone	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
4-Methyl-2-pentanone	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Acetone	BRL	50		ug/L	213644	1	09/30/2015 03:43	CH
Benzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Bromodichloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Bromoform	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Bromomethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Carbon disulfide	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Carbon tetrachloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Chlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Chloroethane	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Chloroform	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Chloromethane	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Cyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Dibromochloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Dichlorodifluoromethane	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Ethylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Freon-113	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Isopropylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
m,p-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methyl acetate	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methylcyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methylene chloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
o-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	MW1R2
Project Name:	1071 Howell Mill Rd.	Collection Date:	9/29/2015 12:50:00 PM
Lab ID:	1509P25-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Tetrachloroethene	11	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Toluene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Trichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Trichlorofluoromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Vinyl chloride	BRL	2.0		ug/L	213644	1	09/30/2015 03:43	CH
Surr: 4-Bromofluorobenzene	89.2	70.6-123	%REC		213644	1	09/30/2015 03:43	CH
Surr: Dibromofluoromethane	89.6	78.7-124	%REC		213644	1	09/30/2015 03:43	CH
Surr: Toluene-d8	96.8	81.3-120	%REC		213644	1	09/30/2015 03:43	CH

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	MW3R
Project Name:	1071 Howell Mill Rd.	Collection Date:	9/29/2015 11:50:00 AM
Lab ID:	1509P25-002	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								(SW5030B)
1,1,1-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dibromoethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dichloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
2-Butanone	BRL	50		ug/L	213644	1	09/30/2015 03:19	CH
2-Hexanone	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
4-Methyl-2-pentanone	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Acetone	BRL	50		ug/L	213644	1	09/30/2015 03:19	CH
Benzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Bromodichloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Bromoform	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Bromomethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Carbon disulfide	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Carbon tetrachloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Chlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Chloroethane	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Chloroform		5.8	5.0	ug/L	213644	1	09/30/2015 03:19	CH
Chloromethane	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Cyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Dibromochloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Dichlorodifluoromethane	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Ethylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Freon-113	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Isopropylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
m,p-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methyl acetate	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methylcyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methylene chloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
o-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	MW3R
Project Name:	1071 Howell Mill Rd.	Collection Date:	9/29/2015 11:50:00 AM
Lab ID:	1509P25-002	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Tetrachloroethene	65	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Toluene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Trichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Trichlorofluoromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Vinyl chloride	BRL	2.0		ug/L	213644	1	09/30/2015 03:19	CH
Surr: 4-Bromofluorobenzene	83	70.6-123	%REC		213644	1	09/30/2015 03:19	CH
Surr: Dibromofluoromethane	95.4	78.7-124	%REC		213644	1	09/30/2015 03:19	CH
Surr: Toluene-d8	96.7	81.3-120	%REC		213644	1	09/30/2015 03:19	CH

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd.	Collection Date:	9/29/2015
Lab ID:	1509P25-003	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								(SW5030B)
1,1,1-Trichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1-Dichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1-Dichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dibromoethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dichloropropane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
2-Butanone	BRL	50		ug/L	213644	1	09/29/2015 21:37	CH
2-Hexanone	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
4-Methyl-2-pentanone	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Acetone	BRL	50		ug/L	213644	1	09/29/2015 21:37	CH
Benzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Bromodichloromethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Bromoform	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Bromomethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Carbon disulfide	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Carbon tetrachloride	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Chlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Chloroethane	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Chloroform	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Chloromethane	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Cyclohexane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Dibromochloromethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Dichlorodifluoromethane	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Ethylbenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Freon-113	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Isopropylbenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
m,p-Xylene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methyl acetate	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methylcyclohexane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methylene chloride	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
o-Xylene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	Client Sample ID:	TRIP BLANK
Project Name:	1071 Howell Mill Rd.	Collection Date:	9/29/2015
Lab ID:	1509P25-003	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Tetrachloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Toluene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Trichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Trichlorofluoromethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Vinyl chloride	BRL	2.0		ug/L	213644	1	09/29/2015 21:37	CH
Surr: 4-Bromofluorobenzene	84.4	70.6-123	%REC		213644	1	09/29/2015 21:37	CH
Surr: Dibromofluoromethane	87.8	78.7-124	%REC		213644	1	09/29/2015 21:37	CH
Surr: Toluene-d8	90.1	81.3-120	%REC		213644	1	09/29/2015 21:37	CH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC

Work Order Number 15099235

Checklist completed by Mizanul Haque Date 9/29/2015
Signature

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container/coolers in good condition? Yes No Not Present

Custody seals intact on shipping container/coolers? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes No

Cooler #1 3.1°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler #5 _____ Cooler #6 _____

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by _____

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

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

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT**BatchID: 213644**

Sample ID: MB-213644	Client ID:			Units: ug/L	Prep Date: 09/28/2015	Run No: 300843					
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B			BatchID: 213644	Analysis Date: 09/29/2015	Seq No: 6431939					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers: > Greater than Result value

< Less than Result value

B Analyte detected in the associated method blank

BRL Below reporting limit

E Estimated (value above quantitation range)

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

R RPD outside limits due to matrix

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT**BatchID: 213644**

Sample ID: MB-213644	Client ID:	Units: ug/L			Prep Date:	09/28/2015	Run No:	300843			
SampleType: MLBK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 213644			Analysis Date:	09/29/2015	Seq No:	6431939			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	41.41	0	50.00		82.8	70.6	123				
Surr: Dibromofluoromethane	48.92	0	50.00		97.8	78.7	124				
Surr: Toluene-d8	46.14	0	50.00		92.3	81.3	120				

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. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT**BatchID: 213644**

Sample ID: LCS-213644	Client ID:				Units: ug/L	Prep Date: 09/28/2015	Run No: 300975				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 213644	Analysis Date: 09/29/2015	Seq No: 6432549				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	57.58	5.0	50.00		115	64.2	137				
Benzene	49.52	5.0	50.00		99.0	72.8	128				
Chlorobenzene	52.26	5.0	50.00		105	72.3	126				
Toluene	48.13	5.0	50.00		96.3	74.9	127				
Trichloroethene	45.94	5.0	50.00		91.9	70.5	134				
Surr: 4-Bromofluorobenzene	41.57	0	50.00		83.1	70.6	123				
Surr: Dibromofluoromethane	49.49	0	50.00		99.0	78.7	124				
Surr: Toluene-d8	46.90	0	50.00		93.8	81.3	120				

Sample ID: 1509J70-003AMS	Client ID:				Units: ug/L	Prep Date: 09/28/2015	Run No: 300975				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 213644	Analysis Date: 09/29/2015	Seq No: 6435079				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	70.33	5.0	50.00		141	60.5	156				
Benzene	57.19	5.0	50.00		114	70	135				
Chlorobenzene	57.44	5.0	50.00		115	70.5	132				
Toluene	53.01	5.0	50.00		106	70.5	137				
Trichloroethene	52.12	5.0	50.00		104	71.8	139				
Surr: 4-Bromofluorobenzene	40.48	0	50.00		81.0	70.6	123				
Surr: Dibromofluoromethane	52.59	0	50.00		105	78.7	124				
Surr: Toluene-d8	46.99	0	50.00		94.0	81.3	120				

Sample ID: 1509J70-003AMSD	Client ID:				Units: ug/L	Prep Date: 09/28/2015	Run No: 300975				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 213644	Analysis Date: 09/29/2015	Seq No: 6435080				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	68.26	5.0	50.00		137	60.5	156	70.33	2.99	20	
Benzene	56.41	5.0	50.00		113	70	135	57.19	1.37	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT**BatchID: 213644**

Sample ID: 1509J70-003AMSD	Client ID:				Units: ug/L	Prep Date: 09/28/2015	Run No: 300975				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 213644	Analysis Date: 09/29/2015	Seq No: 6435080				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	56.35	5.0	50.00		113	70.5	132	57.44	1.92	20	
Toluene	52.46	5.0	50.00		105	70.5	137	53.01	1.04	20	
Trichloroethene	47.71	5.0	50.00		95.4	71.8	139	52.12	8.84	20	
Surr: 4-Bromofluorobenzene	39.38	0	50.00		78.8	70.6	123	40.48	0	0	
Surr: Dibromofluoromethane	51.02	0	50.00		102	78.7	124	52.59	0	0	
Surr: Toluene-d8	47.36	0	50.00		94.7	81.3	120	46.99	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

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME

DATE OF WELL DEVELOPMENT

DEVELOPMENT CREW MEMBERS

SUPERVISOR

PURGING METHOD

Sunflow7/17/2003B. Marshall / T. ShultzBPBoilerPROJECT NO. 191

WELL INFORMATION

WELL NUMBER

WELL TYPE (diameter/material)

MEASURING POINT ELEVATION

STATIC WATER DEPTH

BOTTOM DEPTH

WATER COLUMN LENGTH

SCREENED INTERVAL

WELL VOLUME

Max-1
2"PVC78.85256.151.0

ELEVATION

ELEVATION

Note: For 2" dia well, 1 foot = 0.14 gallons (imp) or 0.16 gallons (us).

1 meter = 2 liters

VOLUME PURGED
(# bails/tot. volume)

1	2	3	4	5	TOT/AVG
1 gall.	2	3	4	5	

7.56 7.15 7.14 7.14 7.1369.5 69.5 69.4 69.4 69.4296 279 270 269 2687200 7200 89 79 56

FIELD pH

FIELD TEMPERATURE

FIELD CONDUCTIVITY

CLARITY/TURBIDITY
VALUES (NTU)

COLOUR

ODOR

COMMENTS

Stopped

COPIES TO:

EMA

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME Sunflower
 DATE OF WELL DEVELOPMENT July 3 2003
 DEVELOPMENT CREW MEMBERS B. Morellon / T. Schell
 SUPERVISOR B.C.
 PURGING METHOD Boiler

PROJECT NO. 19

WELL INFORMATION

WELL NUMBER MW-2
 WELL TYPE (diameter/material) 3/4" PVC
 MEASURING POINT ELEVATION
 STATIC WATER DEPTH 20.91
 BOTTOM DEPTH 25
 WATER COLUMN LENGTH 4.09
 SCREENED INTERVAL
 WELL VOLUME 0.1 gallons

ELEVATION
 ELEVATION

Note: For 2" dia well, 1 foot = 0.14 gallons (imp) or 0.16 gallons (us).

1 meter = 2 liters

VOLUME PURGED
 (# bails/tot. volume)
 FIELD pH
 FIELD TEMPERATURE
 FIELD CONDUCTIVITY
 CLARITY/TURBIDITY
 VALUES (NTU)

	1	2	3	4	5	TOT/AVG
	0.1	0.3 (avg)	0.5 (avg)			
FIELD pH	7.13	7.03	7.08			
FIELD TEMPERATURE	69.9	69.9	69.8			
FIELD CONDUCTIVITY	410	365	361			
CLARITY/TURBIDITY VALUES (NTU)	7000	7000	7000			
COLOUR						
ODOR						
COMMENTS		bt recharge	bt redraw			

COPIES TO:

Staged

EMA

SAMPLE COLLECTION DATA SHEET - GROUNDWATER SAMPLING PROGRAM

PROJECT NAME : Saltan
SAMPLING CREW MEMBERS
DATE OF SAMPLE COLLECTION

B. Arellano / S. Schwabler
July 3, 2013

PROJECT NO. 191
SUPERVISOR F.C.

(Note: For 2" dia. well, 1 ft. = 0.14 gal/imp) or 0.16 gal(us)

ADDITIONAL COMMENTS: Colorful dissolved salts for MW-2 (1/16 filter with 0.45 micron)

Purple, both walls from ~8:30 - 9:30 am 7-7-2007

(Collect) sayles at 11:45 min-1 at 12:10 min-2

COPIES TO:

Attachment 4.4

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: 1071 Howell Mill Road

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page 1 of 1

Well ID: MW-3

Field Sampling Personnel: Tyler Boyles

Depth to Screen below MP: 22 of screen 32 of screen
Top Bottom

Pump Intake at (ft. below MP):
Purging Device (Pump Type):

Notes:

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

+0.1 for pH

± 10 mV for redox

± 10 mm for lead
 $\pm 3\%$ for specific conds

$\pm 3\%$ for specific conditions
 $\pm 10\%$ for DO

$\pm 10\%$ for DO

<20 NTUs for turbidity

NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.

If well stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

Attachment 4.4

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: 1071 Howell Mill Road

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page 1 of 1

Well ID: MW-12
Field Sampling Personnel: Tyler Boyles

Depth to Screen below MP: 24.10 of screen Top 34.08 of screen Bottom
Pump Intake at (ft. below MP): 25
Purging Device (Pump Type): P-14-14

Notes:-

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

± 0.1 for pH
 ± 10 mV for redox
 $\pm 3\%$ for specific cond
 $\pm 10\%$ for DO
 <20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.

If stabilization does not occur within 2 hours, contact the manager to re-acq.

Attachment 4.4

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: _____ Identify Measuring Point (MP): T_{OC} page ____ of ____

Well ID: MW-3
Field Sampling Personnel: T. Boyles

Identify Measuring Point (MP): Top
(e.g. Top of Casing)

page ____ of ____

Depth to Screen below MP: 22 of screen 32 of screen
Top Bottom

Pump Intake at (ft. below MP): 28
Purging Device (Pump Type): Debris

(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Notes-

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
 ±10 mV for redox
 ±3% for specific cond
 ±10% for DO
 <20 NTUs for turbidity
 NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

DTW 23.30
DTB 35.00

Attachment 4.4

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location:

Well ID: MW1R2
Field Sampling Personnel: GATO

Identify Measuring Point (MP): Top of Casing
(e.g. Top of Casing)

page ____ of ____

Depth to Screen below MP: 20 of screen
Top C
Bottom E

Pump Intake at (ft. below MP): 38
Purging Device (Pump Type): None

Notes:

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

± 0.1 for pH
 ± 10 mV for redox
 $\pm 3\%$ for specific cond.
 $\pm 10\%$ for DO
 <20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.

If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

040002.03

Attachment 4.4

DTR 2382
DTB 3480

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location:

Well ID: M W3R

Field Sampling Personnel:

Identify Measuring Point (MP): 10C
(e.g. Top of Casting)

page ____ of ____

Depth to Screen below MP: 20 of screen
Top 28
Bottom 30

Pump Intake at (ft. below MP): 28
Purging Device (Pump Type): None

Notes-

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

- ± 0.1 for pH
- ± 10 mV for redox
- $\pm 3\%$ for specific cond.
- $\pm 10\%$ for DO
- <20 NTUs for turbidity
- NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location: 1071 HOWELL MILL RD

Identify Measuring Point (MP): Top
(e.g. Top of Casing)

page 1 of 1

Well ID: MW-1R2
Field Sampling Personnel: S. Foley

Depth to Screen below MP: 15 of screen 35 of screen
 Top Bottom
 Pump Intake at (ft. below MP): 26 FT
 Purging Device (Pump Type): PERISTALTIC PUMPS

Well Depth, (Ft.) 35
Depth To Water (Ft.) 23.77
Water Column (Ft.) 11.23
Well Volume (gal) 0.96

Notes

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

± 0.1 for pH
 ± 10 mV for redox
 $\pm 3\%$ for specific cond.
 $\pm 10\%$ for DO
 <20 NTUs for turbidity
NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

APPENDIX F
MANIFESTS

Eagle Point Landfill
2800 1/2 Federal Road
Ball Ground, GA 30107

WeightMaster: KMILKE
Ticket #: E1 1164454

Date In/Out:
23-Feb-2015 2:43 pm
23-Feb-2015 2:58 pm

Customer: 010957
A&D ENVY/1071 WG, LLC/AEP

Contract: 1071 WG LLC AEP 15213

Gross Weight 64,000.00 lb
Tare Weight 24,700.00 lb
Net Weight 39,200.00 lb 12.61 T/W

Ref: 13018

Vehicle: 5219

INVOICE
INBOUND

QTY	UOM	Description	Rate	Tax	Total
12.61	ft	CONTENTS			
		Net Amount			

Change due:

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA QESOQ	2. Page 1 of 1	3. Emergency Response Phone 404-815-1415	4. Waste Tracking Number 15019	
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30315	Generator's Site Address (if different than mailing address) 1140454			
Generator's Phone: 404-815-1415				U.S. EPA ID Number S-219	
6. Transporter 1 Company Name Sheppard Trucking				U.S. EPA ID Number 	
7. Transporter 2 Company Name 				U.S. EPA ID Number 	
8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107				U.S. EPA ID Number 	
Facility's Phone: 770-781-2221					
9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
	001	DT	53.18	T	
13. Special Handling Instructions and Additional Information Account #10894 A&D Environmental Services Job #15010					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name Jim Jones	Signature 		Month 12	Day 23	Year 15
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.: 				
Transporter Signature (for exports only): 					
16. Transporter Acknowledgment of Receipt of Materials Richard Davidson	Signature 		Month 12	Day 23	Year 15
Transporter 2 Printed/Typed Name 	Signature 		Month 	Day 	Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number: 				
17b. Alternate Facility (or Generator) 	U.S. EPA ID Number 				
Facility's Phone: 					
17c. Signature of Alternate Facility (or Generator) 	Month Day Year 				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Kimberly	Signature 				
Printed/Typed Name Kimberly	Month Day Year 12 23 15				

Eagle Point Landfill
6880 Old Federal Road
Ball Ground, GA 30107

Weightmaster: KMILCE
Ticket #: E1 118486

Date In/Out:
23-Feb-2013 2:46 pm
23-Feb-2013 2:59 pm

Customer: 010057
ABD ENV/1071 WB, LLC / AEP

Contract: 1071 WB LLC AEP 15212

Gross Weight 67,561.07 lb
Tare Weight 24,933.00 lb
Net Weight 42,628.07 lb 21.34 TR

Ref: 13828
Vehicle: 5520
DAEWOO TRUCKING

INVOICE
INVOICING

Qty.	Unit Description	Rate	Tax	Total
21.34	lb ECONTANER	—	—	—

Net Amount:

Change due:

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address) 1164454		
	Generator's Phone: 404-815-1455			
	6. Transporter 1 Company Name TRUCKING	U.S. EPA ID Number		
	7. Transporter 2 Company Name	U.S. EPA ID Number		
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107	U.S. EPA ID Number		
	Facility's Phone: 770-781-2721			
	9. Waste Shipping Name and Description Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers	11. Total Quantity	12. Unit Wt./Vol.
		No.	Type	
	1.	001	DT	EST. 1S
2.				
3.				
4.				
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100	5229			
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
Generator's/Officer's Printed/Typed Name Tim Jones	Signature	Month	Day	Year
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit:	2/23/15		
Transporter Signature (for exports only):	Date leaving U.S.:			
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Ken T. Todd Jr.	Signature	Month	Day	Year
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
17. Discrepancy				
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
Manifest Reference Number:				
17b. Alternate Facility (or Generator)	U.S. EPA ID Number			
Facility's Phone:				
17c. Signature of Alternate Facility (or Generator)	Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a				
Printed/Typed Name D.M. Jones	Signature	Month	Day	Year

Eagle Point Landfill
6880 Old Federal Road
Bell Ground, GA 30107

Weightmaster KW1200
Ticket # E1 1164470

Date In/Out:
23-Feb-2015 1:04 pm
23-Feb-2015 3:16 pm

Customer: 010007
A&D BWY/ KEN WEB, LLC / AEP
Contract: 1071 WG LLC AEP 15012

Gross Weight 61,280.00 lb
Tare Weight 24,220.00 lb
Net Weight 36,060.00 lb 18.16 TR

Ref: 5021
Vehicle: E202

INVOICE
INBOXED

QTY.	Unit Description	Rate	Tax	Total
18.16	cu. YARD			
Net Amount Due:				

Change due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA CERQG	2. Page 1 of 1	3. Emergency Response Phone 404-515-7455	4. Waste Tracking Number 123456789
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address) 1151a/70			
	Generator's Phone: 404-515-7455				
	6. Transporter 1 Company Name Shawland Trucking	U.S. EPA ID Number			
	7. Transporter 2 Company Name	U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107	U.S. EPA ID Number			
	Facility's Phone: 770-761-2721				
	9. Waste Shipping Name and Description Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
	1.	001	DT	Est. 10	T
2.			<i>5206</i>		
3.					
4.					
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #15010	<i>5206</i>				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name Tim Jones	Signature <i>Tim</i>		Month	Day	Year
			<i>12</i>	<i>23</i>	<i>15</i>
15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit: _____		
Transporter Signature (for exports only)	Date leaving U.S.: _____				
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name BRAILEY W EVANS	Signature <i>Brailey W Evans</i>		Month	Day	Year
			<i>12</i>	<i>23</i>	<i>15</i>
Transporter 2 Printed/Typed Name	Signature		Month	Day	Year
17. Discrepancy					
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number: _____					
17b. Alternate Facility (or Generator)	U.S. EPA ID Number				
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name KM ebe	Signature <i>KM ebe</i>		Month	Day	Year
			<i>12</i>	<i>23</i>	<i>15</i>

Eagle Point Landfill
8480 Old Federal Road
Bell Ground, GA 30107

Weightmaster: SWILKE
Ticket #: E1 116497

Date In/Out:
12-Feb-2012 3:11 pm
12-Feb-2012 3:47 pm

Customer: 010057
ACG ENW/ 1071 WB, LLC/AEP

Contact: 1071 WB LLC AEP 15610

Gross Weight 61,280.00 lb
Tare Weight 24,280.00 lb
Net Weight 37,000.00 lb 16.55 TR

Ref. 15022

Vehicle: G306

INVOICE
INBOUND

QTY	ITEM DESCRIPTION	Rate	No.	Total
10.00	in CONTAINERS			

Pack Amount:

Change Due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number <i>GA 6552C</i>	2. Page 1 of <i>404-10498-001</i>	3. Emergency Response Phone <i>404-400-4751</i>	4. Waste Tracking Number <i>15022</i>				
	5. Generator's Name and Mailing Address <i>1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318</i>	Generator's Site Address (if different than mailing address) <i>1104487</i>							
	Generator's Phone: <i>404-815-1455</i>								
	6. Transporter 1 Company Name <i>Stonewall Trucking</i>	U.S. EPA ID Number							
	7. Transporter 2 Company Name	U.S. EPA ID Number							
	8. Designated Facility Name and Site Address <i>Eagle Point Landfill 880 Old Federal Road Ball Ground, GA 30107</i>	U.S. EPA ID Number							
	Facility's Phone: <i>770-781-2721</i>								
	9. Waste Shipping Name and Description <i>Non-Regulated Material, Solid (Soil) Approval #AEP-15013</i>	10. Containers <table border="1"><thead><tr><th>No.</th><th>Type</th></tr></thead><tbody><tr><td>001</td><td>DT</td></tr></tbody></table>	No.	Type	001	DT	11. Total Quantity <i>EST. 18</i>	12. Unit Wt./Vol. <i>T</i>	
	No.	Type							
	001	DT							
2.		<i>850</i>							
3.		<i>8</i>							
4.									
13. Special Handling Instructions and Additional Information <i>Account #10804 A&D Environmental Services Job #15013</i>									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
Generator's/Offeror's Printed/Typed Name <i>Tim Jones</i>		Signature <i>Tim Jones</i>		Month Day Year <i>12 23 15</i>					
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter Signature (for exports only): _____									
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>J. A. & L. INC.</i> Signature <i>Dawn P. Jones</i> Month Day Year <i>12 22 15</i> Transporter 2 Printed/Typed Name									
17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____									
17b. Alternate Facility (or Generator) Facility's Phone: _____ 17c. Signature of Alternate Facility (or Generator) Month Day Year _____									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name <i>K. Mahele</i> Signature <i>K. Mahele</i> Month Day Year <i>12 23 15</i>									

Eagle Point Landfill
8880 Old Federal Road
Ball Ground, GA 30527

Weighmaster: KAMILKE
Ticket #: E1 115483

Date In/Out:
23-Feb-2015 01:12 pm
21-Feb-2015 01:44 pm

Customer: 01037
ASD Env/NG/R WD, LLC/AEP

Contract: 2071 WS U.L. AEP 12013

Gross Weight 65,520.00 lb
Tare Weight 25,580.00 lb
Net Weight 40,000.00 lb 20.16 T/H

Ref: 15213

Vehicle: SEMI

INVOICE
INBOUND

Qty	Unit Description	Rate	Tax	Total
30.12	lb	ECOTANW	---	---
		Net Amount		
		Change due		

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA CEBQG	2. Page 1 of 1	3. Emergency Response Phone 404-808-5553	4. Waste Tracking Number 15013	
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318 404-315-1455				Generator's Site Address (if different than mailing address) 1164483
	Generator's Phone:				
	6. Transporter 1 Company Name CHARTER TRUCKING				U.S. EPA ID Number
	7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address Eagle Point Landfill 8800 Old Federal Road Ball Ground, GA 30107 770-781-2721				U.S. EPA ID Number
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013				10. Containers No. 001 Type DT
					11. Total Quantity Est. 12
					12. Unit Wt./Vol. T
					2014
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name Tim Jones		Signature <i>Shafra</i>		Month Day Year 12/23/15	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____			
Transporter Signature (for exports only): <i>S. J. Jones</i>					
Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials <input type="checkbox"/> Transporter 1 Printed/Typed Name On-Site Waste Management Co., Inc.		Signature <i>C. D. Jones</i>		Month Day Year 12/23/15	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number: _____					
17b. Alternate Facility (or Generator)					
U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					
Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Kimberly		Signature <i>Kimberly</i>		Month Day Year 12/23/14	

Eagle Point Landfill
8880 Old Federal Road
Ball Ground, GA 30107

Weightmaster PAYLOAD
Ticket # 81 1164202

Date In/Out:
13-Feb-2011 1:29 pm
13-Feb-2011 2:46 pm

Customer: 010037
A&D CRV/1071 WE, LLC./AFP
Contract: 1071 WE UC AFP 15013
Gross Weight 64,000.00 lb
Tare Weight 20,000.00 lb
Net Weight 44,000.00 lb 19.45 T/A

Ref: 15024

Vehicle: S252

INVOICE
INBOUND

QTY	Unit Description	Rate	TAX	Total
10.41	to 50XNTMNU			

Net Amount

Change Due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA GESQO	2. Page 1 of 1	3. Emergency Response Phone 1-800-555-1234	4. Waste Tracking Number 12345
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address) 1146 488			
	Generator's Phone: 404-815-1455				
	6. Transporter 1 Company Name Standard Trucking	U.S. EPA ID Number			
	7. Transporter 2 Company Name	U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107	U.S. EPA ID Number			
	Facility's Phone: 770-781-2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-16013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type	Est. 18	T
	2.				
3.					
4.					
13. Special Handling Instructions and Additional Information Account #10084 A&D Environmental Services Job #16013	S212				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.	Signature <i>Tim Jones</i> Month <u>2</u> Day <u>23</u> Year <u>15</u> Port of entry/exit: _____ Date leaving U.S.: _____				
INT'L	15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.		
	Transporter Signature (for exports only):				
	16. Transporter Acknowledgment of Receipt of Materials				
TRANSPORTER	Transporter 1 Printed/Typed Name <i>John Miller</i>	Signature			
	Transporter 2 Printed/Typed Name <i>John Miller</i>	Signature			
	17. Discrepancy				
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
17b. Alternate Facility (or Generator)					Manifest Reference Number:
Facility's Phone:					U.S. EPA ID Number
17c. Signature of Alternate Facility (or Generator)					Month <u>2</u> Day <u>23</u> Year <u>15</u>
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <i>John Miller</i>	Signature <i>John Miller</i>		Month <u>2</u> Day <u>23</u> Year <u>15</u>		

Eagle Point Landfill
8880 Old Federal Road
Ball Ground, GA 30107

Weightmaster: KJILKE
Ticket #: E1 1164074

Date In/Out:
23-Feb-2015 12:27 pm.
23-Feb-2015 12:35 pm

Customer: 010067
ASD ENV/ 1071 WB, LLC./AFP

Contract: 1071 WB U.S. /AFP 15013

Gross Weight 39,000.00 lb
Tare Weight 24,000.00 lb
Net Weight 15,000.00 lb 17.95 TN

Ref: 15017
Vehicle: S215

**INVOICE
INFO/AD**

Q'ty	Unit	Description	Rate	Tax	Total
17.95	lb	SCANTARIO	—	—	—

Net Amount:

Change due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number GA CESOG	2. Page 1 of 1	3. Emergency Response Phone 404-808-2553	4. Waste Tracking Number 15017
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318 404-815-1455		Generator's Site Address (if different than mailing address) 1144374			
	Generator's Phone:					
	6. Transporter 1 Company Name Shady Side Trucking		U.S. EPA ID Number			
	7. Transporter 2 Company Name		U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107 770-781-2721		U.S. EPA ID Number			
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013		10. Containers No. 001 Type DT		11. Total Quantity 551.78	12. Unit Wt./Vol. T
	2.				17.95	
	3.					
	4.					
13. Special Handling Instructions and Additional Information Account #10684 A&D Environmental Services Job #150100						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Offeror's Printed/Typed Name Tim Jones			Signature <i>Tim Jones</i>		Month Day Year 2 23 15	
TRANSPORTER INT'L	15. International Shipments <input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:		
	Transporter Signature (for exports only): <i>Wes Clark</i>					
	16. Transporter Acknowledgment of Receipt of Materials Wes Clark		Signature <i>Wes Clark</i>		Month Day Year 2 23 15	
DESIGNATED FACILITY	17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection		Manifest Reference Number:			
	17b. Alternate Facility (or Generator)		U.S. EPA ID Number			
	Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) <i>K. Miller</i>					Month Day Year 2 23 15	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name K. Miller		Signature <i>K. Miller</i>		Month Day Year 2 23 15		

Eagle Point Landfill
8980 Old Federal Road
Ball Ground, GA 30107

Weighstation: KVILLE
Ticket #: PI 1161292

Date In/Out:
23-Feb-2011 1:27 pm
23-Feb-2011 1:37 pm

Customer: 010957
ABD ERV/ICSI WB, LLC./ABD

Contract: 1071 WS LSC ABD LSC13

Gross Weight 67,010.00 lb
Tare Weight 24,140.00 lb
Net Weight 42,870.00 lb 21.45 TW

Ref: 15M8
Vehicle: SADG

INVOICE
INBOUND

Qty.	UoM	Description	Rate	Tax	Total
1	ea	CONTAIN	31.45	0.00	31.45
		Net Amount:			

Change due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA-GESQ	2. Page 1 of 1	3. Emergency Response Phone 101-999-0000	4. Waste Tracking Number 11604399-5-208
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address)			
	Generator's Phone: 404-315-1455				
	6. Transporter 1 Company Name Schenck Trucking	U.S. EPA ID Number			
	7. Transporter 2 Company Name	U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107	U.S. EPA ID Number			
	Facility's Phone: 770-781-2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers No. 001	11. Total Quantity Type DT	12. Unit Wt./Vol. Fst 18 T	
	2.				
	3.				
4.					
13. Special Handling Instructions and Additional Information Account #10984 A&D Environmental Services Job #150100					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name Tim Jones	Signature		Month 12	Day 23 Year 2015	
INTL					
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit _____ Date leaving U.S. _____				
TRANSPORTER					
Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Ovville C Davis	Signature		Month 12	Day 22 Year 2015	
Transporter 2 Printed/Typed Name	Signature		Month	Day Year	
DESIGNATED FACILITY					
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number:				
17b. Alternate Facility (or Generator) Facility's Phone:	U.S. EPA ID Number				
17c. Signature of Alternate Facility (or Generator) 	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name 	Signature		Month 12	Day 23 Year 2015	

Eagle Point Landfill
800 Old Federal Road,
Bell Ground, GA 30027

Weightmaster: KIMILKE

Ticket #: E1 1024013

Date by/Out:

21-Feb-2015 11:11 am

23-Feb-2015 11:22 am

Customer: Q1037

ABD BYV/ 1071 WB, LLC/AEP

Contract: 1071 WB LLC AEP 15013

Gross Weight: 61,400.00 lb

Tare Weight: 25,581.00 lb

Net Weight: 35,819.00 lb 17,64 TR

Ref: 15013

Vehicle: GRU1

**INVOICE
REFUND**

On	Unit Description	Rate	Tax	Total
17,64	in BOOKTRUCK			

Ref. Amount:

Change due:

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number GA CESQG	2. Page 1 of	3. Emergency Response Phone 404-308-5853	4. Waste Tracking Number 15013	
5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318		Generator's Site Address (if different than mailing address) 1164333				
Generator's Phone: 6. Transporter 1 Company Name A&D Environmental Services		U.S. EPA ID Number				
7. Transporter 2 Company Name A&D Environmental Services		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107		U.S. EPA ID Number SDI				
Facility's Phone: 770-781-2721						
9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013		10. Containers		11. Total Quantity	12. Unit Wt.Vol.	
		No.	Type	001	DT Est. 18 T	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Offeror's Printed/Typed Name Tim Jones		Signature <i>Tim Jones</i>		Month	Day	Year
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.				
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>Customer Address</i> Signature <i>John Doe</i> Month Day Year 12 22 15						
Transporter 2 Printed/Typed Name Signature <i>John Doe</i> Month Day Year 12 22 15						
17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
17b. Alternate Facility (or Generator)		U.S. EPA ID Number				
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)		Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name <i>K. Meche</i> Signature <i>John Doe</i> Month Day Year 12 22 15						

ADVANTAGE TRUCKS
Ball Ground, GA 30027

Weightmaster KMILKE

Ticker # E1 1164379

Date In/Out:
23-Feb-2012 11:24 am
23-Feb-2012 11:32 am

Customer: D10957
ADL ERV/1071 WB LLC/REP

Contract: 1071 WB LLC ASP 15X15

Grass Weight 60,200.00 lb
Tare Weight 24,280.00 lb
Net Weight 35,920.00 lb 19.20 TN

Ref: 15012

Vehicle: 5206

INVOICE
INBOUND

Qty.	Unit	Description	Rate	Tax	Total
19.20	lb	ECOMTRAIL			

Net Amount:

Charge due:

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number G-500	2. Page 1 of 1	3. Emergency Response Phone 1-800-520-5700	4. Waste Tracking Number 100-100-100
5. Generator's Name and Mailing Address: 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318		Generator's Site Address (if different than mailing address) 1100C-B39			
Generator's Phone: 6. Transporter 1 Company Name Atlanta Trucking		U.S. EPA ID Number			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107		U.S. EPA ID Number			
Facility's Phone: 770-781-2721					
9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013		10. Containers No. 001 Type DT		11. Total Quantity Est. 18	12. Unit Wt./Vol. T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Account # 10884 A&D Environmental Services Job # 150100 5206					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name Tim Jones		Signature <i>Tim Jones</i>		Month 2	Day 23
15. International Shipments <input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____	
Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>Bradley W. Evans</i>		Signature <i>Bradley W. Evans</i>		Month	Day
Transporter 2 Printed/Typed Name		Signature		Year	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity		<input type="checkbox"/> Type		<input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	
Manifest Reference Number: _____					
17b. Alternate Facility (or Generator)		U.S. EPA ID Number			
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <i>R. Miller</i>		Signature <i>R. Miller</i>		Month 2	Day 23

Eagle Point Landfill
6880 Old Federal Road
Sail Ground, GA 30107

Weightmaster: 1041KE
Ticket #: E1 114949

Date In/Out:
13-Feb-2012 11:22 am
13-Feb-2012 11:24 am

Customer: 010057
A&D ENVY/1071 WB, INC./AFP

Contract: 1071 WB LLC AFP 13010

Gross Weight 52,280.00 lb
Tare Weight 26,800.00 lb
Net Weight 25,480.00 lb 17.71 Tons

Sell: 15014

Vehicle: 5306

INVOICE
INBOUND

Qty.	Unit Description	Rate	Tax	Total
17.71	lb FOUNTAIN	—	—	—

Net Amount:

Charge due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0606	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address) 5014 11643rd			
	Generator's Phone:				
	6. Transporter 1 Company Name 404-815-1455	U.S. EPA ID Number			
	7. Transporter 2 Company Name Trucking	U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Eagle Point Landfill 6800 Old Federal Road Ball Ground, GA 30107	U.S. EPA ID Number			
	Facility's Phone: 770-781-2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material Solid (Soil) Approval #AEP-16013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
	2.	001	DT	Est. 10	T
3.			731		
4.					
13. Special Handling Instructions and Additional Information Account #10804 ALD Environmental Services Job #16013	<i>#306</i>				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name Tim Jones	Signature		Month	Day	Year
15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:		
Transporter Signature (for exports only):	Date leaving U.S.: 12 23 15				
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <i>Jay C Lopez</i>	Signature		Month	Day	Year
Transporter 2 Printed/Typed Name	Signature		Month	Day	Year
17. Discrepancy					
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					
17b. Alternate Facility (or Generator)	U.S. EPA ID Number				
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <i>KM Lee</i>	Signature		Month	Day	Year

Eagle Point Landfill
8890 Old Federal Road
Ball Ground, GA 30527

Weightmaster: KOMILCE
Ticket #: E1 1164151

Date: In/Out:
13-Feb-2012 11:06 am
13-Feb-2012 11:45 am

Customer: 01037/
ABD ENVY/1071 WG, LLC./AEP

Contact: 1071 WG LLC AEP 15010

Gross Weight 39,240.00 lb
Tare Weight 25,540.00 lb
Net Weight 13,700.00 lb 16.85 T/A

Ref: 10015
Vehicle: S272

INVOICE
INBOUND

QTY	Unit	Description	Rate	Tax	Total
16.85	lb	EXCERPT	—	—	—
			Per Amazat		

Charge due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA-CESOG	2. Page 1 of 1	3. Emergency Response Phone 404-815-2455	4. Waste Tracking Number 15015	
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address) 1104726				
	Generator's Phone: 404-815-2455					
	6. Transporter 1 Company Name Truck King	U.S. EPA ID Number				
	7. Transporter 2 Company Name	U.S. EPA ID Number				
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Bell Ground, GA 30107	U.S. EPA ID Number				
	Facility's Phone: 770-781-2721					
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers No. 001	Type DT	11. Total Quantity Est. 10	12. Unit Wt./Vol. 85	
	2.					
	3.			10		
	4.					
	13. Special Handling Instructions and Additional Information Account #10864 All D Environmental Services Job #150100	Z/R				
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
	Generator's/Offeror's Printed/Typed Name Tim Jones	Signature Signature		Month 12	Day 23	Year 2015
	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____				
	Transporter Signature (for exports only): TDW M. Miller	Date leaving U.S.: _____				
	16. Transporter Acknowledgment of Receipt of Materials TDW M. Miller	Signature Signature		Month 12	Day 23	Year 2015
	Transporter 2 Printed/Typed Name J. H. J.	Signature Signature		Month 12	Day 23	Year 2015
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
17b. Alternate Facility (or Generator)	U.S. EPA ID Number					
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator) KM-Jones	Month Day Year 12 23 15					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name KM-Jones	Signature KM-Jones		Month 12	Day 23	Year 2015	

Eagle Point Landfill
8880 Old Federal Road
Ratl Ground, GA 30737

WeightMaster: KMILKE
Ticket #: 21 114532

Date In/Out:
23-Feb-2015 11:46 am
23-Feb-2015 12:01 pm

Customer: 010957
A&D ERV/1071 WB, LLC./AEP
Contract: 1071 WB LLC AEP 15013

Gross Weight	69,500.00	lb
Tare Weight	24,440.00	lb
Net Weight	44,540.00	lb
	22.27	TR

Ref: 15016
Vehicle: S210

INVOICE
NUMBER

QTY	LINE DESCRIPTION	RATE	TAX	TOTAL
22.27	lb EXCERED	—	—	—

Net Amount

Charg. 'WB

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number CE5666	2. Page 1 of 1	3. Emergency Response Phone 1-800-555-1234	4. Waste Tracking Number 1164300		
5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318		Generator's Site Address (if different than mailing address) 1164300					
Generator's Phone: 404-815-1435		U.S. EPA ID Number					
6. Transporter 1 Company Name AD Environmental Services		U.S. EPA ID Number					
7. Transporter 2 Company Name AD Environmental Services		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107		U.S. EPA ID Number					
Facility's Phone: 770-781-2727							
GENERATOR	9. Waste Shipping Name and Description 1. Non-Regulated Material Sold (Soil) Approval #AEP-15013		10. Containers No. 001	Type DT	11. Total Quantity Est. 18	12. Unit Wt./Vol. T	
	2.						
	3.						
	4.				210	222	
13. Special Handling Instructions and Additional Information Account #10884 AD Environmental Services Job #150130		S - 210					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Offeror's Printed/Typed Name Tim Jones		Signature 		Month 12	Day 23	Year 15	
INT'L	15. International Shipments <input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.	Port of entry/exit:			
	Transporter Signature (for exports only): 		Date leaving U.S.: 8-23-15				
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials INNUS Oake		Signature 	Month 12	Day 23	Year 15	
	Transporter 2 Printed/Typed Name 		Signature 	Month 12	Day 23	Year 15	
DESIGNATED FACILITY	17. Discrepancy						
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type		<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection	Manifest Reference Number:	
	17b. Alternate Facility (or Generator) Facility's Phone:		U.S. EPA ID Number				
17c. Signature of Alternate Facility (or Generator) 		Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name 		Signature 	Month 12	Day 23	Year 15		

Eagle Point Landfill
9880 Old Federal Road
Bufi Ground, GA 30307

Weighmaster: KIMILKE
Ticket # E1 1164492

Date In/Out:
23-Feb-2015 1:43 pm
23-Feb-2015 1:54 pm

Customer: 01089
A&D ENVY/ 1071 WGS, LLC / AEP

Contract: 1071 WGS LLC / AEP 1071

Gross Weight 60,980.00 lb
Tare Weight 26,263.00 lb
Net Weight 34,716.00 lb 10.36 T/T

Ref: 15225
Vehicle: 5210

INVOICE
UNBOUND

GL	Part Description	Rate	Tax	Total
10.36	to BURNTRASH	—	—	—
	Net Amount	—	—	—

Change due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA 0498	2. Page 1 of 1	3. Emergency Response Phone 404-898-5550	4. Waste Tracking Number 15013
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318 Generator's Phone: 404-815-1455	Generator's Site Address (if different than mailing address)			1146492
	6. Transporter 1 Company Name Chamblee Creek Trucking				U.S. EPA ID Number
	7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address Eagle Faint Landfill 8880 Old Federal Road Ball Ground, GA 30107 Facility's Phone: 770-781-2721				U.S. EPA ID Number
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
	2.	001	DT	Est. 15	T
	3.			✓ 36	
	4.				
	13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100	5-210			
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
	Generator's/Officer's Printed/Typed Name Tim Jones	Signature 			Month Day Year 2/23/15
	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit _____ Date leaving U.S.: _____			
	Transporter Signature (for exports only):				
	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Marcus Dake	Signature 	Month Day Year 2/23/15		
	Transporter 2 Printed/Typed Name	Signature			
	17. Discrepancy				
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
Manifest Reference Number:					
17b. Alternate Facility (or Generator) Facility's Phone:					U.S. EPA ID Number
17c. Signature of Alternate Facility (or Generator) 				Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name D. Miller	Signature 				Month Day Year 2/23/15

Eagle Point Landfill
3880 Old Federal Road
Bell Ground, GA 30107

Shipper: KWILKE
Ticket # 51 2164420

Date In/Out:
23-Feb-2011 3:44 pm
23-Feb-2011 2:52 pm

Customer: 010357
A&B ENVY/1071 WB, LLC./AEP

Contract: 1071 WB LLC/AEP 15013

Gross Weight	39,820.00 lb
Tare Weight	21,243.00 lb
Net Weight	18,577.00 lb
	15.01 TIN

Ref: 15013
Vehicle: 5215

INVOICE
INWARD

Qty.	Unit Description	Rate	Tax	Total
13.01	in COUNTS	—	—	—

Net Amount:

Change due

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number 1071 WB, LLC	2. Page 1 of 1	3. Emergency Response Phone 1146-490	4. Waste Tracking Number 10498
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address)			
	Generator's Phone: 404-815-1455				
	6. Transporter 1 Company Name TRUCKER				U.S. EPA ID Number
	7. Transporter 2 Company Name				U.S. EPA ID Number
	6. Designated Facility Name and Site Address Eagle Point Landfill 8800 Old Federal Road Ball Ground, GA 30107				U.S. EPA ID Number
	Facility's Phone: 770-781-2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
	2.	001	DT	Est. 18	T
	3.			80	
4.					
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100	Truck #215				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name Tim Jones	Signature		Month	Day	Year
15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:		
Transporter Signature (for exports only):	Date leaving U.S.				
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name WILLIE CLARK	Signature		Month	Day	Year
Transporter 2 Printed/Typed Name	Signature		Month	Day	Year
17. Discrepancy					
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					
17b. Alternate Facility (or Generator)	U.S. EPA ID Number				
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name K. Malveaux	Signature		Month	Day	Year

Eagle Point Landfill
8880 Old Federal Road
Red Granite, GA 30739

Weightmaster: 10MILE
Ticket # E1 116024

Date Inv/Out:
11-Feb-2011 11:00 am
12-Feb-2011 11:00 am

Customer: 010037
ABD ENV/1071 WB, LLC./ADP
Contract: 1071 WB LLC ADP 15001

Gross Weight 62,040.00 lb
Tare Weight 25,100.00 lb
Net Weight 36,940.00 lb : 18.47 TR

Ref:

Vehicle: S213
EAGLE

INVOICE
INSURANCE

Qty.	Unit Description	Rate	Tax	Total
18.47	TR SCOTLAND	---	---	---

AIR AMERICAN

Change due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GESQ	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	5. Generator's Name and Mailing Address	1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318			
	Generator's Phone:	5-219			
	6. Transporter 1 Company Name	404-815-1455			
	7. Transporter 2 Company Name	Eagle Point Trucking			
	8. Designated Facility Name and Site Address	Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107			
	Facility's Phone:	770-781-2721			
	9. Waste Shipping Name and Description	10. Containers			
	1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	No.	Type	11. Total Quantity	12. Unit Wt./Vol.
	2.	001	DT	est. 10	T
3.			1645		
4.					
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name Tim Jones	Signature		Month	Day	Year
15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	12 23 15		
Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Richard Davidson	Signature		Month	Day	Year
Transporter 2 Printed/Typed Name	Signature		12	23	15
17. Discrepancy					
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name Wobigde	Signature		Month	Day	Year

Eagle Point Landfill
6000 Old Federal Road
Bell Ground, GA 30107

Weightmaster: 10MILCE
Ticket #: E1 1164329

Date In/Out:
23-Feb-2015 11:03 am
23-Feb-2015 11:08 am

Customer: 010957
A&D ERV/1071 WB, LLC/AEP

Contact: 1071 WB LLC AEP 15K03

Gross Weight 66,480.00 lb
Tare Weight 25,100.00 lb
Net Weight 41,380.00 lb 20.69 TR

Ref:

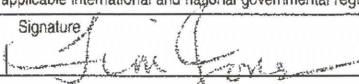
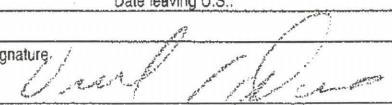
Vehicle: S229
SHEPPARD TRUCKING

INVOICE
REBILLED

Qty.	Unit Description	Rate	Tax	Total
32.69	lb SCOTTANU			
				Net Amount

Change due:

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number G A CESQG	2. Page 1 of 1	3. Emergency Response Phone 404-808-3553	4. Waste Tracking Number 15011	
	5. Generator's Name and Mailing Address 1021 W B Hwy 1071 Howell Mill Road Atlanta, GA 30318 404-815-1455			Generator's Site Address (if different than mailing address) 66486	
Generator's Phone: 116438	6. Transporter 1 Company Name Hopwood Trucking			U.S. EPA ID Number	
7. Transporter 2 Company Name Eagle Point Landfill				U.S. EPA ID Number	
8. Designated Facility Name and Site Address 8880 Old Federal Road Ball Ground, GA 30107 770-781-2721				U.S. EPA ID Number	
Facility's Phone:					
9. Waste Shipping Name and Description Haz Regulated Material - Solid (Soil) Approval #AEP-15013	10. Containers No. 001	Type DT	11. Total Quantity Est. 18	12. Unit Wt./Vol. T	
2.					
3			20609		
4.					
13. Special Handling Instructions and Additional Information Account #1021 10957 A&D Environmental Services Job #150100 SAB9					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name Tim Jones	Signature <i>Tim Jones</i>			Month Day Year 2/23/15	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:				
Transporter Signature (for exports only): <i>SAB9</i>					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Ronald Todd Jr.	Signature <i>Ronald Todd Jr.</i>			Month Day Year 2/23/15	
Transporter 2 Printed/Typed Name	Signature			Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator)					U.S. EPA ID Number
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Kimberly	Signature <i>Kimberly</i>			Month Day Year 2/23/15	

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	5. Generator's Name and Mailing Address	C E S Q G 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318			
	Generator's Phone:	5-208			
	6. Transporter 1 Company Name	404-815-1455			
	7. Transporter 2 Company Name	Hill Environmental Trucking			
	8. Designated Facility Name and Site Address	Eagle Point Landfill 8880 Old Federal Road Bell Ground, GA 30107			
	Facility's Phone:	770-781-2721			
	9. Waste Shipping Name and Description				
	10. Containers	11. Total Quantity	12. Unit Wt./Vol.		
	No.	Type			
	1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	4	001	BT	
	2.				
	3.				
	4.				
	13. Special Handling Instructions and Additional Information	Ticket #11104315 Account #10294 ABD Environmental Services Job #102100			
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.				
	Generator's/Officer's Printed/Typed Name	Signature  Month Day Year Jim Jones 12/23/15			
	15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:	
Transporter Signature (for exports only):	Date leaving U.S.:				
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name	Signature  Month Day Year Darville C. Davis 12/23/15				
Transporter 2 Printed/Typed Name	Signature				
17. Discrepancy					
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					
17b. Alternate Facility (or Generator)					U.S. EPA ID Number
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name	Signature 				Month Day Year H. W. Blodgett 12/23/15

Eagle Point Landfill
1989 Old Peters Road
Bell Gardens, CA 90207

WeightMaster: 10000K
Tiller # E1 2164782

Date In/Out:
24-Feb-2010 1:04 pm
24-Feb-2011 1:04 pm

Customer: 013357
ACB SWW/1071 WH, LCL/ ACB

Checkout: 1071 MC ULL ACB 1/01/12

Gross Weight 64,501.00 lb
Tare Weight 25,000.00 lb
Net Weight 39,721.00 lb 19.06 TN

Ref: 15002
Permit: 0274

INVOICING
INSURANCE

QTY	Unit	Description	Rate	Tax	Total
10.00	ea	MC ULL ACB	---	---	---
		Net Amount:			

Change due

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA 0506	2. Page 1 of 1	3. Emergency Response Phone 404-398-4333	4. Waste Tracking Number 150136	
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318 404-813-1455	Generator's Site Address (if different than mailing address) 1164748			
	Generator's Phone:				
	6. Transporter 1 Company Name Shannon Trucking	5-214	U.S. EPA ID Number		
	7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107 770-781-2721				U.S. EPA ID Number
	9. Waste Shipping Name and Description Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers No. 001	Type DT	11. Total Quantity Est. 10	12. Unit Wt./Vol. T
	2.				
	3.				
	4.				
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Officer's Printed/Typed Name Tim Jones	Signature <i>Tim Jones</i>			Month Day Year 2/23/15	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____			Date leaving U.S.: _____	
Transporter Signature (for exports only): <i>Billy Tallet</i>					
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Billy Tallet	Signature <i>Billy Tallet</i>	Month Day Year 2/23/15			
Transporter 2 Printed/Typed Name	Signature	Month Day Year			
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number: _____				
17b. Alternate Facility (or Generator)	U.S. EPA ID Number				
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name <i>John Shee</i>	Signature <i>John Shee</i>	Month Day Year 12/24/15			

Eagle Point Landfill
2090 Old Federal Road
Ball Ground, GA 30107

Weighmaster: WEHDE
Ticket #: E1 1164612

Date In/Out:
24-Feb-2015 9:27 am
24-Feb-2015 9:39 am

Customer: 0000971
ADD ENCL 1071 WG, LLC / AEP

Contract: 1071 WG LLC AEP 15010

Gross Weight: 51,281.00 lb
Tare Weight: 13,263.00 lb
Net Weight: 38,018.00 lb 17.66 TW

Ref: 15027

Vehicle: 5200
EAGLE

INVOICE
INBOUND

Qty.	Unit Description	Rate	Tax	Total
17.66	lb CONTAM	—	—	—
Net Amount				
Charge due:				

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA 6E500	2. Page 1 of 1	3. Emergency Response Phone 404-815-1455	4. Waste Tracking Number 150107	
	Generator's Site Address (if different than mailing address)			<i>Ticket #1104603</i>	
5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318 404-815-1455				U.S. EPA ID Number	
Generator's Phone:					
6. Transporter 1 Company Name Shannon Trucking				U.S. EPA ID Number	
7. Transporter 2 Company Name					
8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107 770-781-2721				U.S. EPA ID Number	
9. Waste Shipping Name and Description Non-Regulated Material, Sold (Soil) Approval #AEP-15013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1.	001	DT	24.18	T	
2.					
3.				<i>17.00 Tons</i>	
4.					
13. Special Handling Instructions and Additional Information Account #10224 A&D Environmental Services Job #150100					
14. GENERATOR/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator/Offeror's Printed/Typed Name Tim Jones	Signature <i>Tim Jones</i>		Month	Day	Year
15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit: _____		
Transporter Signature (for exports only):	Date leaving U.S.: _____				
16. Transporter Acknowledgment of Receipt of Materials Willie Clark	Signature <i>Willie Clark</i>		Month	Day	Year
Transporter 1 Printed/Typed Name Willie Clark	Signature <i>Willie Clark</i>		Month	Day	Year
Transporter 2 Printed/Typed Name	Signature				
17. Discrepancy					
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number: _____					
17b. Alternate Facility (or Generator) Willie Clark	U.S. EPA ID Number				
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Willie Clark	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Willie Clark	Signature <i>Willie Clark</i>		Month	Day	Year

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA GESOC	2. Page 1 of 1	3. Emergency Response Phone 101 899 2222	4. Waste Tracking Number 15020
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address)			
	Generator's Phone:				5-208
	6. Transporter 1 Company Name The Eagle Point Trucking				U.S. EPA ID Number
	7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107				U.S. EPA ID Number Ticket # 111041019
	Facility's Phone: 770 781 2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material Sold (Soil) Approval #AEP-15019	10. Containers No Type 001 DT EST 18 T			
	2.				
	3.				A. 34 Tons
4.					
13. Special Handling Instructions and Additional Information Account # 10684 ALD Environmental Services Job # 150100					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.	Generator's/Officer's Printed/Typed Name Tim Jones		Signature 	Month Day Year 12 23 15	
15. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:		
Transporter Signature (for exports only):	Date leaving U.S.:				
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Osville C Davis	Signature 			Month Day Year 12 24 15	
Transporter 2 Printed/Typed Name	Signature			Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
Manifest Reference Number:					
17b. Alternate Facility (or Generator)	U.S. EPA ID Number				
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name W. D. Hyde	Signature 			Month Day Year 12 24 15	

Eagle Point Landfill
3880 Old Federal Road
Ball Ground, GA 30107

Weightmaster: WEHYDE
Ticket #: E1 1164625

Date In/Out:
24-Feb-2015 9:55 am
24-Feb-2015 10:05 am

Customer: 010057
ASD EBY/1071 WB, LLC/AEP

Contract: 1071 WB LLC AEP 15013

 Gross Weight 60,740.00 lb
 Tare Weight 25,320.00 lb
 Net Weight 35,420.00 lb 15.21 TR

Ref: 10029
Vehicle: 5214

INVOICE
INBOUND

Qty.	UOM	Description	Rate	Tax	Total
19.21	lb	CONTAIN			

Net Amount:

Change due:

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA 0498	2. Page 1 of 1	3. Emergency Response Phone 404-815-1455	4. Waste Tracking Number 1 EPA 06	
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318 404-815-1455	Generator's Site Address* (if different than mailing address) TICKET # H 11041025			
	Generator's Phone: 404-815-1455	U.S. EPA ID Number S-214			
	6. Transporter 1 Company Name Stoneman Transport	U.S. EPA ID Number 5-214			
	7. Transporter 2 Company Name Stoneman Transport	U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107 770-781-2721	U.S. EPA ID Number			
	Facility's Phone:				
	9. Waste Shipping Name and Description 1 Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers No. 001	11. Total Quantity Est. 10	12. Unit Wt./Vol. T	
	2.				
	3.			19.21 Tons	
4.					
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150100					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national/governmental regulations.					
Generator's/Offeror's Printed/Typed Name Tim Jones	Signature 		Month 12	Day 23	Year 2015
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____				
Transporter Signature (for exports only): 	Date leaving U.S.: _____				
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Billy TA Hart	Signature 	Month 12	Day 24	Year 2015	
Transporter 2 Printed/Typed Name 	Signature 	Month 12	Day 24	Year 2015	
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number: _____				
17b. Alternate Facility (or Generator)	U.S. EPA ID Number				
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) 	Month 12	Day 24	Year 2015		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Wade	Signature 	Month 12	Day 24	Year 2015	

Eagle Point Landfill
880 Old Federal Road
Ball Ground, GA 30107

Weightmaster: WEHYUE
Ticket #: EL 116427

Date In/Out:
24-Feb-2015 10:08 am
24-Feb-2015 10:18 am

Customer: 01037
ADD ENR/ 1071 WB, LLC./ AEP

Contract: 1071 WB LLC AEP 15013

Gross Weight: 69,420.00 lb
Tare Weight: 23,430.00 lb
Net Weight: 17,530.00 lb 16.59 TR

Ref: 15030

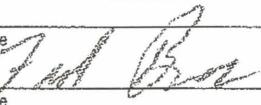
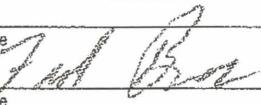
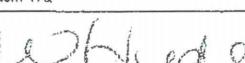
Vehicle: S222

INVOICE
UNBUNDLED

Qty.	Unit Description	Rate	Tax	Total
10.99	lb ECONTAINER	---	---	---

Net Amount:

Change due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number D A 5E3986	2. Page 1 of 1	3. Emergency Response Phone 404-781-2721	4. Waste Tracking Number 15010
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address)			
	Generator's Phone: 404-815-1455				
	6. Transporter 1 Company Name TRUCKING				U.S. EPA ID Number
	7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Bell Ground, GA 30107				U.S. EPA ID Number
	Facility's Phone: 770-781-2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
		001	DT	EST. 18	T
	2.				
	3.				
	4.				
	13. Special Handling Instructions and Additional Information Account #10294 A&D Environmental Services Job #150100	S-212			
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.	Signature  Month Day Year 12 23 15			
	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____ Date leaving U.S.: _____			
	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Feld Bros Inc	Signature  Month Day Year 12 24 15			
	Transporter 2 Printed/Typed Name	Signature  Month Day Year 12 24 15			
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number: _____				
17b. Alternate Facility (or Generator) Facility's Phone:	U.S. EPA ID Number				
17c. Signature of Alternate Facility (or Generator) 	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a Printed/Typed Name W. Hyde	Signature  Month Day Year 12 24 15				

Eagle Point Landfill
8001 Old Petersal Road
Holl Ground, GA 30747

Weightoucher #MILIC

Total #: 21 1164671

Date Entered:
24-Feb-2011 12:00 pm
24 Feb 2011 12:10 pm

Customer: 010037
ASB ENVI/1071 WB, LLC./AFP

Contact: 1071 WB LLC AFP 10012

Gross Weight 64,240.00 lb
Tare Weight 11,840.00 lb
Net Weight 40,400.00 lb 20.00 Tons

Amt: 150.01

Vehicle: 00000
EAGLE

INVOICE
INVOICED

Qnt. Unit Description Amt Tax Total
20.00 lb GROUT AND

New Account

Change due

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number GA GEAGG	2. Page 1 of 1	3. Emergency Response Phone 404-808-8553	4. Waste Tracking Number 15031			
5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318		Generator's Site Address (if different than mailing address) 11 Calicot 71						
Generator's Phone: 404-815-1455								
6. Transporter 1 Company Name Shawco Landfill Trucking		U.S. EPA ID Number						
7. Transporter 2 Company Name Shawco Landfill Trucking		U.S. EPA ID Number						
8. Designated Facility Name and Site Address Boyle Point Landfill 8860 Old Federal Road Ball Ground, GA 30107		U.S. EPA ID Number						
Facility's Phone: 770-761-2721								
GENERATOR	9. Waste Shipping Name and Description 1. Non-Regulated Material Solid (Soil) Approval #AEP-15013		10. Containers	11. Total Quantity	12. Unit Wt./Vol.			
			No.	Type				
			001	DT	Est. 1B			
			2030	2030				
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Jobs #150100								
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national/governmental regulations.								
Generator's/Offeror's Printed/Typed Name Tim Jones		Signature 	Month	Day	Year			
			2	23	15			
INT'L	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____					
	Transporter Signature (for exports only): 		Date leaving U.S.: _____					
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Willie Clark		Signature 	Month	Day	Year		
				2	23	15		
	Transporter 2 Printed/Typed Name Willie Clark		Signature 	Month	Day	Year		
DESIGNATED FACILITY	17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection		Manifest Reference Number:					
	17b. Alternate Facility (or Generator)		U.S. EPA ID Number					
	Facility's Phone:							
17c. Signature of Alternate Facility (or Generator) 		Month Day Year						
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a								
Printed/Typed Name John L. Clark		Signature 	Month	Day	Year			
						2	23	15

Eagle Point Lumber
8880 Old Federal Road
Ball Ground, GA 30107

Weightmaster #MILKE
Ticket # 1146466

Date In/Out
24-Feb-2011 12:16 pm
24-Feb-2011 12:25 pm

Customer: 010357
A&D BW/1071 WB, LLC./AEP

Contract: 1071 WB LLC AEP 15017

Gross Weight	69,710.00	lb
Tare Weight	24,500.00	lb
Net Weight	45,210.00	lb
	22.06	TR

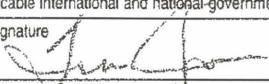
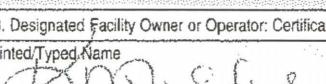
Act.

Vehicle: 0209

INVOICE
RECORD

CH	CH DATE/ACT	AMT	TR	TR	Total
21.06	7/2011				
NET PAYMENT					

Change due:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA CESQG	2. Page 1 of 101	3. Emergency Response Phone 404-515-1455	4. Waste Tracking Number 5-208
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address) 101 Eagle Point Rd Ball Ground, GA 30107			
	Generator's Phone: 404-515-1455				
	6. Transporter 1 Company Name Chesapeake Trucking				U.S. EPA ID Number 1104088
	7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107				U.S. EPA ID Number
	Facility's Phone: 770-781-2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-16013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
		001	DT	55.18	T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Account #10498 A&D Environmental Services Job #16013	22-36				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.	Signature  Month Day Year 12 23 15				
INT'L	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____ Date leaving U.S.: _____			
	Transporter Signature (for exports only): 				
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Orville C. Davis	Signature  Month Day Year 12 24 15			
	Transporter 2 Printed/Typed Name	Signature			
DESIGNATED FACILITY	17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number:			
	17b. Alternate Facility (or Generator)	U.S. EPA ID Number			
	Facility's Phone:				
	17c. Signature of Alternate Facility (or Generator) 	Month Day Year 12 24 15			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a	Signature 			Month Day Year 12 24 15	

Eagle Point Landfill
9880 Old Federal Road
Ball Ground, GA 30027

Weightmaster: FMIKE
Ticket #: E1 115427

Date In/Due:
14-Feb-2015 12:28 pm
14-Feb-2015 12:39 pm

Customer: 110037
A&L EW/1071 WS, LLC./ADP

Container: 1071 WS LCL ADP 15213

Gross Weight 65,420.00 lb
Tare Weight 26,006.00 lb
Net Weight 40,414.00 lb 21.78 TR

TRAILER 10713
Vehicle 1071

INVOICE
INVOICED

Qnt.	Uof	Description	Rate	Tax	Total
21.78	lb	CONTAINER			

Net Amount

Change Due:

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA-CEC-006	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	Generator's Site Address (if different than mailing address) 1071 Howell Mill Road Atlanta, GA 30318			
5. Generator's Name and Mailing Address 1071 WB, LLC	Generator's Phone: 404-815-1455			
6. Transporter 1 Company Name Chaseway TRUCKING	U.S. EPA ID Number			
7. Transporter 2 Company Name	U.S. EPA ID Number			
8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107	U.S. EPA ID Number			
Facility's Phone: 770-721-2721				
9. Waste Shipping Name and Description 1 Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
	001	DT	EST 18	T
			21/23	
			21/23	
13. Special Handling Instructions and Additional Information Account #10884 A&D Environmental Services Job #150130	S211			
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.	Signature Tim Jones Month 04 Day 23 Year 2015			
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit Date leaving U.S.			
Transporter Signature (for exports only)				
16. Transporter Acknowledgment of Receipt of Materials	Signature Transporter 1 Month 04 Day 21 Year 2015 Signature Transporter 2 Month 04 Day 21 Year 2015			
17. Discrepancy				
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number:			
17b. Alternate Facility (or Generator)	U.S. EPA ID Number			
Facility's Phone:				
17c. Signature of Alternate Facility (or Generator)	Month 04 Day 21 Year 2015			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a				
Printed/Typed Name Amieche	Signature Amieche Month 04 Day 21 Year 2015			

Eagle Point Landfill
880 Old Federal Road
Bell Ground, GA 30107

Customer: CMILKE
Ticket #: E1 2164821

Date In/Out:
24-Feb-2013 12:53 pm
24-Feb-2013 1:01 pm

Customer: STUBS7
AKD ENV/1071 INC, LLC/AEP

Contractor: 1071 INC INC 10713

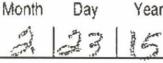
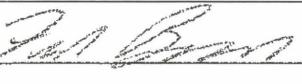
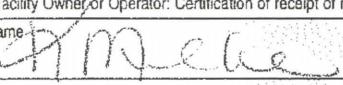
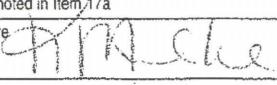
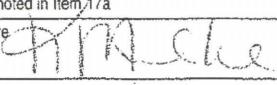
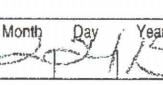
Gross Weight	55,450.00 lb
Tare Weight	25,710.00 lb
Net Weight	29,740.00 lb
	14.24 Tons

Ref: 107137
Vehicle: S212

INVOICE
INVOICING

Qnt	Unit	Description	Rate	Tax	Total
14.24	lb	STUBS7 INC	-----	-----	-----

Shipping from:

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GA GESOC	2. Page 1 of 1	3. Emergency Response Phone 1-800-526-2332	4. Waste Tracking Number 10498
	5. Generator's Name and Mailing Address 1071 WB, LLC 1071 Howell Mill Road Atlanta, GA 30318	Generator's Site Address (if different than mailing address)			
	Generator's Phone: 404-815-1455				11-L04695
	6. Transporter 1 Company Name EPA HAZ TRUCKING				U.S. EPA ID Number
	7. Transporter 2 Company Name				U.S. EPA ID Number
	8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107				U.S. EPA ID Number
	Facility's Phone: 770-781-2721				
	9. Waste Shipping Name and Description 1. Non-Regulated Material, Solid (Soil) Approval #AEP-15013	10. Containers		11. Total Quantity	12. Unit Wt.Vol.
		No.	Type		
	2.	001	DT	Est 18	T
3.			1484		
4.					
13. Special Handling Instructions and Additional Information Account #10854 A&D Environmental Services Job #150100	S-212				
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.	Signature  Month Day Year 				
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____ Date leaving U.S.: _____				
Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name 	Signature  Month Day Year 				
Transporter 2 Printed/Typed Name					
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number: _____				
17b. Alternate Facility (or Generator) Facility's Phone:	U.S. EPA ID Number				
17c. Signature of Alternate Facility (or Generator) 	Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name 	Signature  Month Day Year 				

APPENDIX G
PHOTOGRAPHS



Photo 1. View of landscaped area at west end of property between building and Howell Mill Road.



Photo 2. View east across southern half of Site from Howell Mill Road.

Amec Foster Wheeler Environment & Infrastructure, Inc.

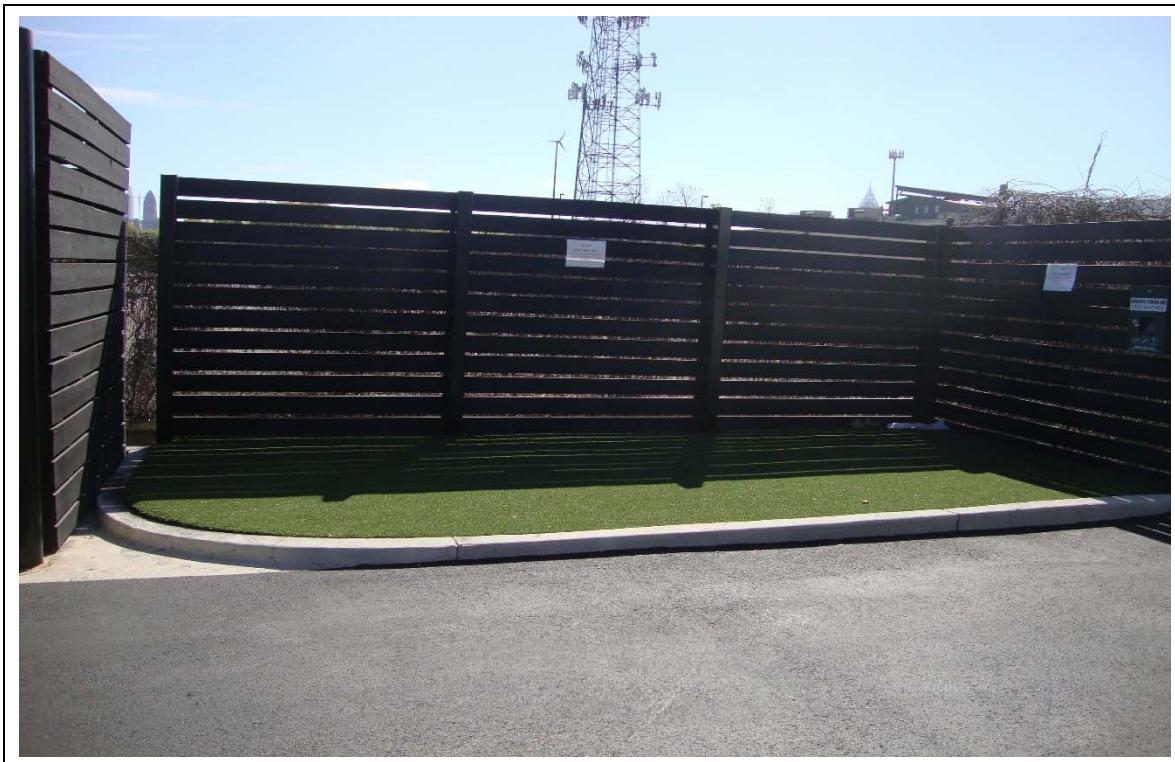


Photo 3. Artificial turf over concrete in dog walk at southeast corner of Site.



Photo 4. Concrete covered slope at east end of property.

Amec Foster Wheeler Environment & Infrastructure, Inc.



Photo 5. Exterior service corridor between restaurant and veterinary clinic.



Photo 6. Interior service corridor in restaurant.

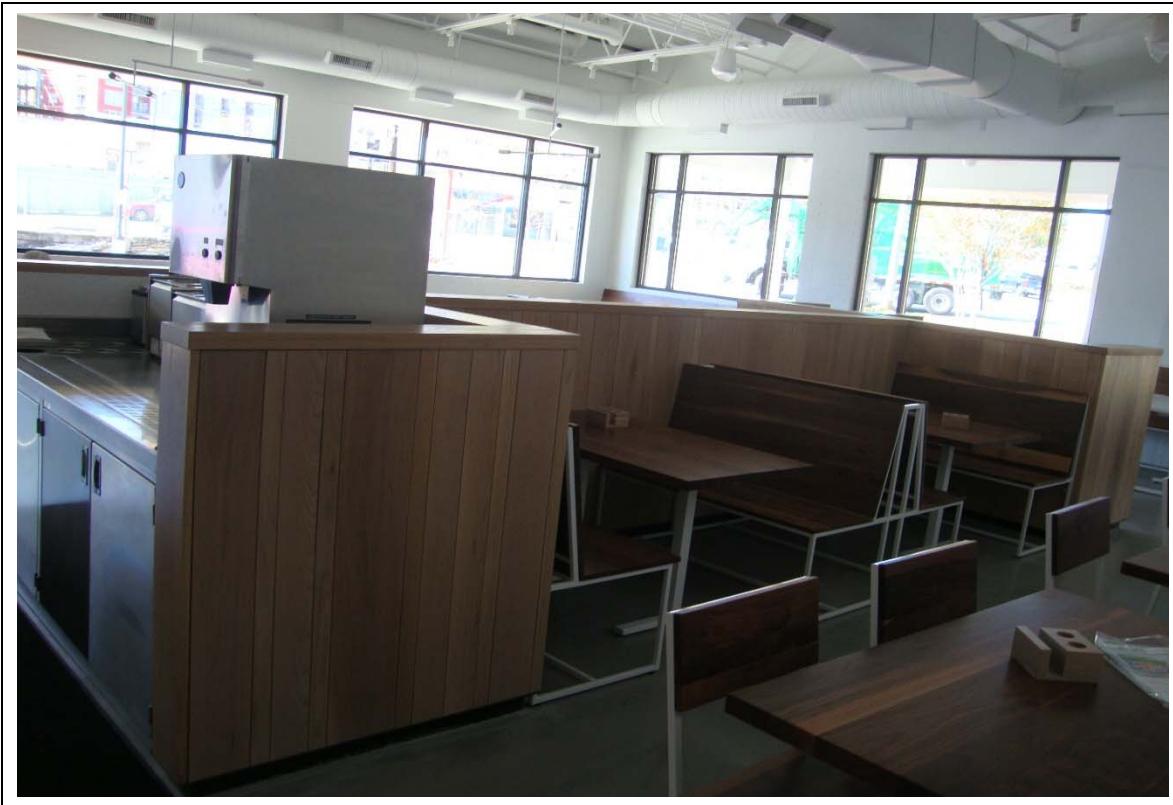


Photo 7. View of dining area in restaurant.



Photo 8. View of interior of Blue Pearl Pet Emergency Center (photo date 8/31/16).

Amec Foster Wheeler Environment & Infrastructure, Inc.

APPENDIX H
RISK REDUCTION CALCULATIONS

Table H-1
Summary of Soil RRS

PARAMETER	Type 1 RRS	Type 3 RRS	Type 3 RRS
	mg/kg	Surface mg/kg	Subsurface mg/kg
Metals			
Arsenic	2.0E+01	3.8E+01	4.1E+01
Barium	1.0E+03	1.0E+03	1.0E+03
Cadmium (Diet)	2.0E+00	3.9E+01	3.9E+01
Chromium, Total	1.0E+02	1.1E+02	1.2E+03
Lead	7.5E+01	4.0E+02	4.0E+02

Table H-2
Toxicity Values

PARAMETER	Chronic Reference Dose		Cancer Slope Factor		Weight of Evidence	Source for Chronic RfDs and SFs
	Oral (RfDo) (mg/kg/day)	Inhalation (RfDi) (mg/kg/day)	Oral (SFo) (mg/kg/day)-1	Inhalation (SFI) (mg/kg/day)-1		
Metals						
Arsenic	3.0E-04	4.3E-06	1.5E+00	1.5E+01	A	IRIS, CALEPA
Barium	2.0E-01	1.4E-04	ND	ND	D	IRIS, HEAST
Cadmium (Water)	5.0E-04	2.9E-06	ND	6.3E+00	B1	IRIS, ATSDR
Cadmium (Diet)	1.0E-03	2.9E-06	ND	6.3E+00	B1	IRIS, ATSDR
Chromium, Total	3.0E-03	2.9E-05	5.0E-01	2.9E+02	A/D	IRIS, NJ
Lead	ND	ND	ND	ND	B2	IRIS

SOURCES: EPA Regional Screening Level Table (RSL), May 2016.

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

NJ New Jersey

ND No Data

NA Not Available

Table H-3
Type 1 and Type 3 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m³/kg)	HSRA Type I Soil Criteria (mg/kg) (a)	HSRA Appendix I Value (mg/kg) (b)	Type I Groundwater RRS (mg/L) (c)	Type 1 GW RRS x 100 (mg/kg)	Number 1 (mg/kg) (d)	Risk-Based Residential Type 1		Risk-Based Soil Type 1 RRS (mg/kg) (g)	Overall Type 1 RRS (mg/kg) (h)	Risk-Based Nonresidential Type 3		Risk-Based Soil Type 3 RRS (mg/kg) (g)	Subsurface Soil Type 3 RRS (mg/kg) (i)	Surface Soil Type 3 RRS (mg/kg) (j)													
							Noncarcinogenic (mg/kg) (e)	Carcinogenic (mg/kg) (f)			Noncarcinogenic (mg/kg) (e)	Carcinogenic (mg/kg) (f)																
Metals																												
Arsenic	NA	2.0E+01	4.1E+01	1.0E-02	1.0E+00	4.1E+01	1.9E+02	1.0E+01	1.0E+01	2.0E+01	6.1E+02	3.8E+01	3.8E+01	4.1E+01	3.8E+01													
Barium	NA	1.0E+03	5.0E+02	2.0E+00	2.0E+02	5.0E+02	1.2E+05	ND	1.2E+05	1.0E+03	3.6E+05	ND	3.6E+05	1.0E+03	1.0E+03													
Cadmium (Diet)	NA	2.0E+00	3.9E+01	5.0E-03	5.0E-01	3.9E+01	6.3E+02	8.3E+04	6.3E+02	2.0E+00	2.0E+03	1.1E+05	2.0E+03	3.9E+01	3.9E+01													
Chromium, Total	NA	1.0E+02	1.2E+03	1.0E-01	1.0E+01	1.2E+03	1.9E+03	2.9E+01	2.9E+01	1.0E+02	6.1E+03	1.1E+02	1.1E+02	1.2E+03	1.1E+02													
Lead	NA	7.5E+01	4.0E+02	1.5E-02	1.5E+00	4.0E+02	ND	ND	ND	7.5E+01	ND	ND	4.0E+02	4.0E+02	4.0E+02													
Notes:																												
(a)	Table 2, Appendix III of HSRA regulations																											
(b)	Appendix I of HSRA regulations. Value is the soil concentration that triggers notification requirements.																											
(c)	Table 1, Appendix III of HSRA regulations. For those substances not listed, reporting limit used as the Type I groundwater RRS.																											
(d)	Value is the highest of the Appendix I value and the groundwater RRS x 100.																											
(e)	THI x BW x ATn x 365days/year EF x ED x [(1/RIDi x (1/VF + 1/PEF) x InhR) + (1/RIDo x Irs x CF)]																											
(f)	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)]																											
(g)	Minimum of noncarcinogenic and carcinogenic concentrations.																											
(h)	Minimum concentration of Number 1 and Type 1 RRS.																											
(i)	Maximum concentration of Number 1 and HSRA Type 1 Soil Criteria.																											
(j)	Minimum concentration of the risk-based soil Type 3 RRS and the subsurface soil Type 3 RRS.																											
RL	Reporting Limit																											
RRS	Risk Reduction Standard																											
GW	Groundwater																											
ND	Not Determined - Can not be calculated																											
Exposure Parameters																												
Residential																												
Type 1																												
Nonresidential																												
Type 3																												
Unit																												
Total Hazard Index (THI)		1	1																									
Target Risk (TR)		1.E-05	1.E-05																									
Target Risk (TR) WOE - C		1.E-04	1.E-04																									
Body Weight (BW)		70	70				kg																					
Averaging Time, Carcinogen (ATc)		70	70				yrs																					
Averaging Time, Noncarcinogen (ATn)		30	25				yrs																					
Exposure Duration (ED)		30	25				yrs																					
Exposure Frequency (EF)		350	250				days/yr																					
Soil Ingestion Rate (Irs)		114	50				mg/day																					
Air Inhalation Rate (InhR)		15	20				m³/day																					
Particulate Emission Factor (PEF)		4.63E+09	4.63E+09				m³/kg																					
Conversion Factor (CF)		1.E-06	1.E-06				kg/mg																					
Volatilization Factor (VF)		Chemical-specific	Chemical-specific				m³/kg																					

UPDATED/DATE: LWC 6/28/16
CHECKED/DATE:LMS 6/29/16