

**SUMMARY REPORT**  
**30 WEST CYPRESS STREET (FORMERLY 159 WEST CYPRESS STREET)**  
**LAUREL BAY MILITARY HOUSING AREA**  
**MARINE CORPS AIR STATION BEAUFORT**  
**BEAUFORT, SC**

**Revision: 0**  
**Prepared for:**

**Department of the Navy**  
**Naval Facilities Engineering Command, Mid-Atlantic**  
**9324 Virginia Avenue**  
**Norfolk, Virginia 23511-30 West 95**

**and**



**Naval Facilities Engineering Command Atlantic**  
**9324 Virginia Avenue**  
**Norfolk, Virginia 23511-3095**

**JUNE 2021**

**SUMMARY REPORT**  
**30 WEST CYPRESS STREET (FORMERLY 159 WEST CYPRESS STREET)**  
**LAUREL BAY MILITARY HOUSING AREA**  
**MARINE CORPS AIR STATION BEAUFORT**  
**BEAUFORT, SC**

**Revision: 0**  
**Prepared for:**

**Department of the Navy**  
**Naval Facilities Engineering Command, Mid- Atlantic**  
**9324 Virginia Avenue**  
**Norfolk, Virginia 23511-3095**

**and**



**Naval Facilities Engineering Command Atlantic**

**9324 Virginia Avenue**  
**Norfolk, Virginia 23511-3095**

**Prepared by:**

**CDM - AECOM**  
**Multimedia Joint Venture**

**CDM - AECOM Multimedia Joint Venture**  
**10560 Arrowhead Drive, Suite 500**  
**Fairfax, Virginia 22030**

**Contract Number: N62470-14-D-9016**  
**CTO WE52**  
**JUNE 2021**

---

## Table of Contents

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	BACKGROUND INFORMATION.....	1
1.2	UST REMOVAL AND ASSESSMENT PROCESS.....	2
<b>2.0</b>	<b>SAMPLING ACTIVITIES AND RESULTS .....</b>	<b>3</b>
2.1	UST REMOVAL AND SOIL SAMPLING .....	3
2.2	SOIL ANALYTICAL RESULTS.....	4
2.3	GROUNDWATER SAMPLING.....	4
2.4	GROUNDWATER ANALYTICAL RESULTS .....	5
<b>3.0</b>	<b>PROPERTY STATUS.....</b>	<b>5</b>
<b>4.0</b>	<b>REFERENCES .....</b>	<b>5</b>

## Tables

Table 1	Laboratory Analytical Results - Soil
Table 2	Laboratory Analytical Results - Groundwater

## Appendices

Appendix A	Multi-Media Selection Process for LBMH
Appendix B	UST Assessment Report
Appendix C	Laboratory Analytical Report - Groundwater
Appendix D	Regulatory Correspondence

### **List of Acronyms**

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CTO	Contract Task Order
COPC	constituents of potential concern
ft	feet
IDIQ	Indefinite Delivery, Indefinite Quantity
IGWA	Initial Groundwater Assessment
JV	Joint Venture
LBMH	Laurel Bay Military Housing
MCAS	Marine Corps Air Station
NAVFAC Mid-Lant	Naval Facilities Engineering Command Mid-Atlantic
NFA	No Further Action
PAH	polynuclear aromatic hydrocarbon
QAPP	Quality Assurance Program Plan
RBSL	risk-based screening level
SCDHEC	South Carolina Department of Health and Environmental Control
Site	LBMH area at MCAS Beaufort, South Carolina
UST	underground storage tank
VISL	vapor intrusion screening level

## **1.0 INTRODUCTION**

The CDM - AECOM Multimedia Joint Venture (JV) was contracted by the Naval Facilities Engineering Command, Mid-Atlantic (NAVFAC Mid-Lant) to provide reporting services for the heating oil underground storage tanks (USTs) located in Laurel Bay Military Housing (LBMH) area at the Marine Corps Air Station (MCAS) Beaufort, South Carolina (Site). This work has been awarded under Contract Task Order (CTO) WE52 of the Indefinite Delivery, Indefinite Quantity (IDIQ) Multimedia Environmental Compliance Contract (Contract No. N62470-14-D-9016).

As of January 2014, the LBMH addresses were re-numbered to comply with the E-911 emergency response addressing system; however, in order to remain consistent with historical sampling and reporting for LBMH area, the residences will continue to be referenced with their original address numbers in sample nomenclature and reporting documents.

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 30 West Cypress Street (Formerly 159 West Cypress Street). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

- Background information;
- Sampling activities and results; and
- A determination of the property status.

### **1.1 Background Information**

The LBMH area is located approximately 3.5 miles west of MCAS Beaufort. The area is approximately 970 acres in size and serves as an enlisted and officer family housing area. The area is configured with single family and duplex residential structures, and includes recreation, open space, and community facilities. The community includes approximately 1,300 housing units, including legacy Capehart style homes and newer duplex style homes. The housing area

---

is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.

Capehart style homes within the LBMH area were formerly heated using heating oil stored in USTs at each residence. There were 1,100 Capehart style housing units in the LBMH area. The newer duplex homes within the LBMH area never utilized heating oil tanks. Heating oil has not been used at Laurel Bay since the mid-1980s. As was the accepted practice at the time, USTs were drained, filled with dirt, capped, and left in place when they were removed from service. Residential USTs are not regulated in the State of South Carolina (i.e., there are no federal or state laws governing installation, management, or removal).

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

## **1.2 UST Removal and Assessment Process**

During the UST removal process, a soil sample was collected from beneath the UST excavations (approximately 4 to 6 feet [ft] below ground surface [bgs]) and analyzed for a predetermined list of constituents of potential concern (COPCs) associated with the petroleum compounds found in home heating oil. These COPCs, derived from the *Quality Assurance Program Plan (QAPP) for the Underground Storage Tank Management Division, Revision 3.1* (SCDHEC, 2016) and the *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, (SCDHEC, 2018), are as follows:

- benzene, toluene, ethylbenzene, and xylenes (BTEX),
- naphthalene, and
- five select polynuclear aromatic hydrocarbon (PAHs): benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenz(a,h)anthracene.

Soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form. In accordance with SCDHEC's *QAPP for the UST Management*

---

*Division* (SCDHEC, 2016), the soil screening levels consists of SCDHEC risk-based screening levels (RBSLs). It should be noted that the RBSLs for select PAHs were revised in Revision 2.0 of the QAPP (SCDHEC, 2013) and were revised again in Revision 3.0 (SCDHEC, 2015). The screening levels used for evaluation at each site were those levels that were in effect at the time of reporting and review by SCDHEC.

The results of the soil sampling at each former UST location were used to determine if a potential for groundwater contamination exists (i.e., soil results greater than RBSLs) and subsequently to select properties for follow-up initial groundwater assessment (IGWA) sampling. The results of the IGWA sampling (if necessary) are used to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations will require additional delineation of COPCs in groundwater. In order to delineate the extent of impact to groundwater, permanent wells are installed and a sampling program is established for those former UST locations where IGWA sampling has indicated the presence of COPCs in excess of the SCDHEC RBSLs for groundwater. Groundwater analytical results are also compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion and the necessity for an investigation associated with this media. A multi-media investigation selection process tree, applicable to the LBMH UST investigations, is presented as Appendix A.

## **2.0 SAMPLING ACTIVITIES AND RESULTS**

The following section presents the sampling activities and associated results for 30 Cypress Street (Formerly 159 West Cypress Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 159 Cypress Street* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

### **2.1 UST Removal and Soil Sampling**

In September 2011, two 280 gallon heating oil USTs were removed at 30 West Cypress Street (Formerly 159 West Cypress Street). Tank 1 was removed on September 19, 2011 from the front landscaped bed area adjacent to the driveway. Tank 2 was removed on September 20, 2011 from the front grassed area adjacent to the driveway. The former UST locations are

indicated in Figures 2 and 3 of the UST Assessment Report (Appendix B). The USTs were removed, cleaned, and shipped offsite for recycling. There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depths to the bases of the USTs were 5'10" (Tank 1) and 4'4" (Tank 2) bgs and a single soil sample was collected for each at that depth. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of the excavation and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment guidelines.

## **2.2 Soil Analytical Results**

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 1. A copy of the laboratory analytical data report is included in the UST Assessment Report presented in Appendix B. The laboratory analytical data report includes the soil results for the additional PAHs that were analyzed, but do not have associated RBSLs.

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 30 West Cypress Street (Formerly 159 West Cypress Street) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 24, 2016, SCDHEC requested an IGWA for 30 West Cypress Street (Formerly 159 West Cypress Street) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

## **2.3 Groundwater Sampling**

On March 6, 2017, a temporary monitoring well was installed at 30 West Cypress Street (Formerly 159 West Cypress Street), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. The former UST locations are indicated in Figures 2 and 3 of the UST Assessment Report (Appendix B).

Further details are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017).

## **2.4 Groundwater Analytical Results**

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 2. A copy of the laboratory analytical data report is included in Appendix C.

The groundwater results collected from 30 West Cypress Street (Formerly 159 West Cypress Street) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former USTs at concentrations that present a potential risk to human health and the environment.

## **3.0 PROPERTY STATUS**

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 30 West Cypress Street (Formerly 159 West Cypress Street). This NFA determination was obtained in a letter dated July 27, 2017. SCDHEC's NFA letter is provided in Appendix D.

## **4.0 REFERENCES**

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 159 Cypress Street, Laurel Bay Military Housing Area*, December 2011.

Resolution Consultants, 2017. *Initial Groundwater Investigation Report – February and March 2017 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, June 2017.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2013. *Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 2.0*, April 2013.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2015. *Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0*, May 2015.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.1*, February 2016.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2017. *R.61-92, Part 280, Underground Storage Tank Control Regulations*, March 2017.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2018. *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, March 2018.

South Carolina Department of Health and Environmental Control Bureau of Water, 2016. *R.61-71, Well Standards*, June 2016.

## Tables

**Table 1**  
**Laboratory Analytical Results - Soil**  
**30 West Cypress St (Formerly 159 West Cypress St)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Results Samples Collected 9/19/11 to 9/20/11	
		159 Cypress-1	159 Cypress-2
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)</b>			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	ND	ND
Naphthalene	0.036	ND	ND
Toluene	0.627	ND	ND
Xylenes, Total	13.01	ND	ND
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)</b>			
Benzo(a)anthracene	0.66	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND
Chrysene	0.66	ND	ND
Dibenz(a,h)anthracene	0.66	ND	ND

**Notes:**

<sup>(1)</sup> South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 and 3.1 (SCDHEC, May 2015 and SCDHEC, February 2016) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The soil laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

**Table 2**  
**Laboratory Analytical Results - Groundwater**  
**30 West Cypress St (Formerly 159 West Cypress St)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Site-Specific Groundwater VISLs (µg/L) <sup>(2)</sup>	Results Sample Collected 03/06/17
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)</b>			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	<b>2.3</b>
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)</b>			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

**Notes:**

<sup>(1)</sup> South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.1 (SCDHEC, February 2016).

<sup>(2)</sup> Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of  $1 \times 10^{-6}$ , a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix C.

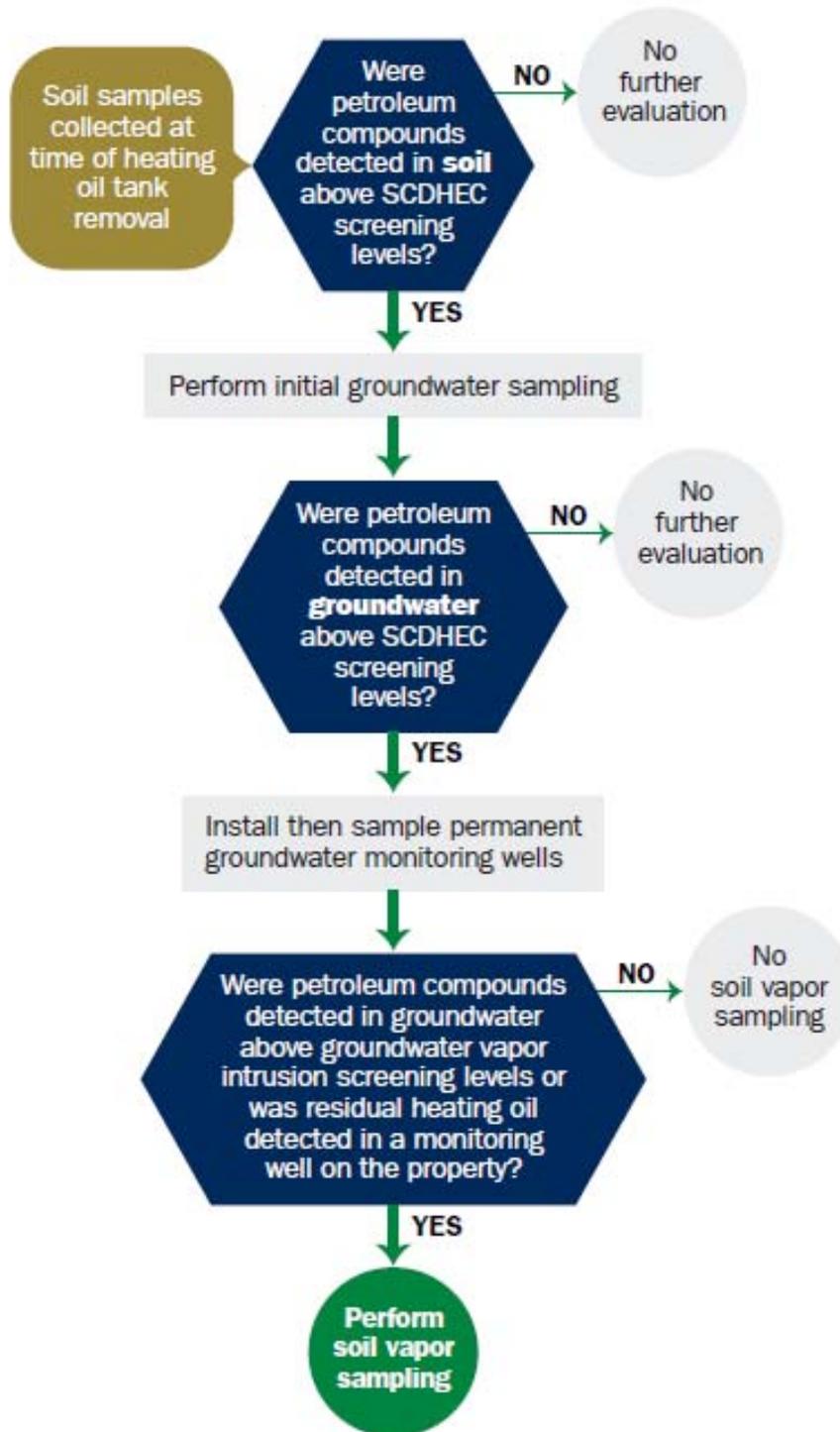
RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

**Appendix A**  
**Multi-Media Selection Process for LBMH**



Appendix A - Multi-Media Selection Process for LBMH

**Appendix B**  
**UST Assessment Report**

South Carolina Department of Health and Environmental Control (SCDHEC)  
**Underground Storage Tank (UST) Assessment Report**

<b>Date Received</b>   <b>State Use Only</b>
---

Submit Completed Form To:  
UST Program  
SCDHEC  
2600 Bull Street  
Columbia, South Carolina 29201  
Telephone (803) 896-7957

**RECEIVED**

DEC 08 2011

SC DHEC - Bureau of  
Land & Waste Management

**I. OWNERSHIP OF UST (S)**

MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde)		
Owner Name (Corporation, Individual, Public Agency, Other)		
P.O. Box 55001		
Mailing Address		
Beaufort,	South Carolina	29904-5001
City	State	Zip Code
843	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

**II. SITE IDENTIFICATION AND LOCATION**

Permit I.D. #	
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC	
Facility Name or Company Site Identifier	
159 Cypress Street, Laurel Bay Military Housing Area	
Street Address or State Road (as applicable)	
Beaufort,	Beaufort
City	County

### III. INSURANCE INFORMATION

#### Insurance Statement

The petroleum release reported to DHEC on \_\_\_\_\_ at Permit ID Number \_\_\_\_\_ may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. **This section must be completed.**

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES** \_\_\_ **NO** \_\_\_ (check one)

If you answered **YES** to the above question, please complete the following information:

My policy provider is: \_\_\_\_\_  
The policy deductible is: \_\_\_\_\_  
The policy limit is: \_\_\_\_\_

If you have this type of insurance, please include a copy of the policy with this report.

### IV. REQUEST FOR SUPERB FUNDING

I **DO** / **DO NOT** wish to participate in the SUPERB Program. (Circle one.)

### V. CERTIFICATION (To be signed by the UST owner)

**I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.**

\_\_\_\_\_  
Name (Type or print.)

\_\_\_\_\_  
Signature

#### To be completed by Notary Public:

Sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
(Name)

Notary Public for the state of \_\_\_\_\_  
*Please affix State seal if you are commissioned outside South Carolina*

**VI. UST INFORMATION**

- A. Product...(ex. Gas, Kerosene).....
- B. Capacity..(ex. 1k, 2k).....
- C. Age.....
- D. Construction Material..(ex. Steel, FRP).....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion or Pitting Y/N.....
- L. Visible Holes Y/N.....

159Cypres-1	159Cypres-2	
Heating oil	Heating oil	
280 gal	280 gal	
Late 1950s	Late 1950s	
Steel	Steel	
Mid 80s	Mid 80s	
5'10"	4'4"	
No	No	
No	No	
Removed	Removed	
9/19/2011	9/20/2011	
Yes	Yes	
Yes	Yes	

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)  
UST 159Cypres-1 was removed from the ground, cleaned and recycled.  
UST 159Cypres-2 was removed from the ground and disposed at a  
Subtitle "D" landfill. See Attachment "A".
- N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)  
Contaminated water was pumped from 159Cypres-1 and disposed of by MCAS.  
UST 159Cypres-2 was previously filled with sand by others.
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST  
Corrosion, pitting and holes were found in both tanks.

## VII. PIPING INFORMATION

	159Cypres-1	159Cypres-2	
A. Construction Material..(ex. Steel, FRP).....	Steel & Copper	Steel & Copper	
B. Distance from UST to Dispenser.....	N/A	N/A	
C. Number of Dispensers.....	N/A	N/A	
D. Type of System Pressure or Suction.....	Suction	Suction	
E. Was Piping Removed from the Ground? Y/N	Yes	Yes	
F. Visible Corrosion or Pitting Y/N.....	Yes	Yes	
G. Visible Holes Y/N.....	No	No	
H. Age.....	Late 1950s	Late 1950s	

I. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.

Steel vent piping for both tanks were corroded and pitted. All copper supply and return piping were sound.

## VIII. BRIEF SITE DESCRIPTION AND HISTORY

The USTs at the residences are constructed of single wall steel and formerly contained fuel oil for heating. These USTs were installed in the late 1950s and last used in the mid 1980s.

---



---



---



---

## IX. SITE CONDITIONS

	Yes	No	Unk
<p>A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p>		X	
<p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p>		X	
<p>C. Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p>		X	
<p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p>		X	
<p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p>		X	

## X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
159 Cypres-1	Excav at fill end	Soil	Sandy	5'10"	9/19/11 1300 hrs	P. Shaw	
159 Cypres-2	Excav at fill end	Soil	Sandy	4'4"	9/20/11 1115 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

\* = Depth Below the Surrounding Land Surface



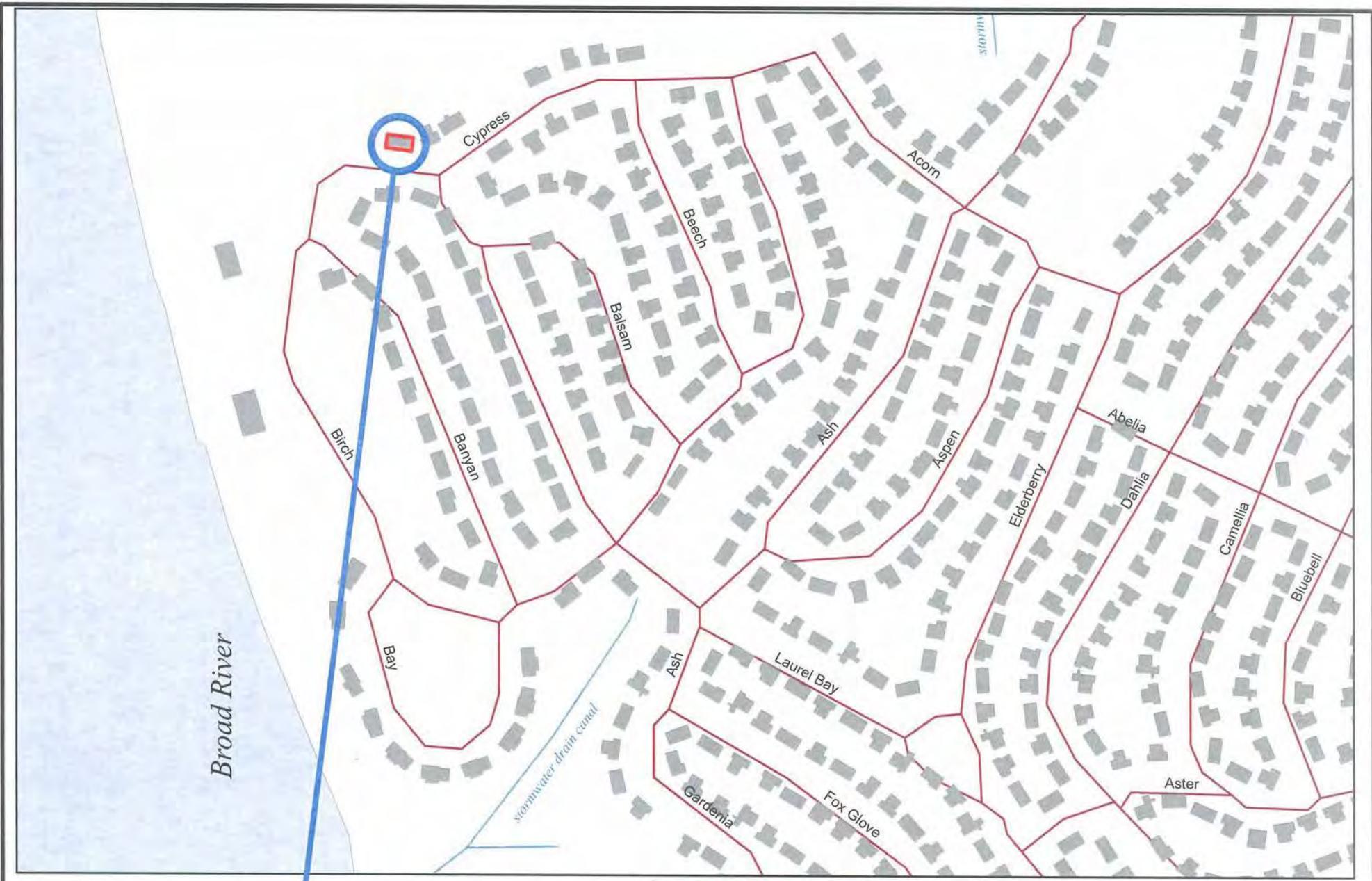
## XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?                      *Approx 750' to stormwater drainage canal                      If yes, indicate type of receptor, distance, and direction on site map.</p>	*X	
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?                      If yes, indicate type of well, distance, and direction on site map.</p>		X
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?                      If yes, indicate type of structure, distance, and direction on site map.</p>		X
<p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination?                      *Sewer, water, cable, electricity &amp; fiber optic                      If yes, indicate the type of utility, distance, and direction on the site map.</p>	*X	
<p>E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?                      If yes, indicate the area of contaminated soil on the site map.</p>		X

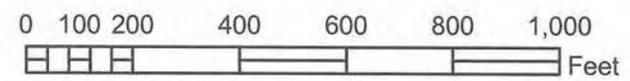
### **XIII. SITE MAP**

**You must supply a scaled site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.**

(Attach Site Map Here)



**159 CYPRESS ST.**



**SBG-EEG, Inc.**  
 398 E. 5th North Street, Suite C  
 Summerville SC 29483-6954  
 Ph. (843) 875-1930  
 Drawn By: L. DiAsio  
 Dwg Date: OCT 2011

**FIGURE 1: LOCATION MAP  
 159 CYPRESS ST.  
 LAUREL BAY, BEAUFORT SC**



BROAD RIVER  $\approx$  750'

159 CYPRESS DRIVE  
LAUREL BAY MILITARY HOUSING  
MCAS BEAUFORT, SC

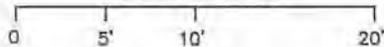
CONCRETE  
PORCH & WALK

UST 159CYPRESS-1  
280 GAL.

UST 159CYPRESS-2  
280 GAL.

ASPHALT  
DRIVEWAY

GRAPHIC SCALE



**SBG-EEG**

398 E. 5 NORTH ST., SUITE C  
SUMMERVILLE, SC  
29483-6954

FIGURE 2 SITE MAP  
159 CYPRESS ST., LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

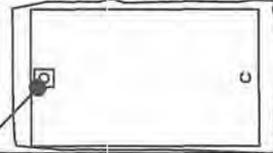
DWG DATE OCT 2011

159 CYPRESS STREET



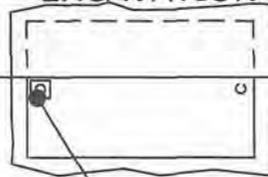
EXCAVATION

FILL END



SOIL SAMPLE  
159 CYPRESS-1

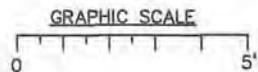
EXCAVATION



SOIL SAMPLE  
159 CYPRESS-2



BROAD RIVER  $\approx$  750'



TANK DEPTH BELOW GRADE

159CYPRESS-1  $\approx$  34"

159CYPRESS-2  $\approx$  16"

***SBG-EEG***

398 E. 5 NORTH ST, SUITE C  
SUMMERVILLE, SC  
29483-6954

FIGURE 3 UST SAMPLE LOCATIONS  
159 CYPRESS ST., LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE OCT 2011



Picture 1: UST 159Cypress-1 was under the shrubbery. Tank -2 was under the sidewalk.



Picture 2: UST 159Cypress-1 tank pit.



Picture 3: UST 159Cypress-2 excavation in progress.



Picture 4: 159 Cypress St. after completion of work.

**XIV. SUMMARY OF ANALYSIS RESULTS**

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

CoC	UST	159Cypres - 1		159Cypres - 2			
Benzene		ND		ND			
Toluene		ND		ND			
Ethylbenzene		ND		ND			
Xylenes		ND		ND			
Naphthalene		ND		ND			
Benzo (a) anthracene		ND		ND			
Benzo (b) fluoranthene		ND		ND			
Benzo (k) fluoranthene		ND		ND			
Chrysene		ND		ND			
Dibenz (a, h) anthracene		ND		ND			
TPH (EPA 3550)							

CoC							
Benzene							
Toluene							
Ethylbenzene							
Xylenes							
Naphthalene							
Benzo (a) anthracene							
Benzo (b) fluoranthene							
Benzo (k) fluoranthene							
Chrysene							
Dibenz (a, h) anthracene							
TPH (EPA 3550)							

**SUMMARY OF ANALYSIS RESULTS (cont'd)**

Enter the ground water analytical data for each sample for all CoC in the table below. If free product is present, indicate the measured thickness to the nearest 0.01 feet.

CoC	RBSL (µg/l)	W-1	W-2	W -3	W -4
Free Product Thickness	None				
Benzene	5				
Toluene	1,000				
Ethylbenzene	700				
Xylenes	10,000				
Total BTEX	N/A				
MTBE	40				
Naphthalene	25				
Benzo (a) anthracene	10				
Benzo (b) flouranthene	10				
Benzo (k) flouranthene	10				
Chrysene	10				
Dibenz (a, h) anthracene	10				
EDB	.05				
1,2-DCA	5				
Lead	Site specific				

## **XV. ANALYTICAL RESULTS**

**You must submit the laboratory report and chain-of-custody form for the samples. These samples must be analyzed by a South Carolina certified laboratory.**

(Attach Certified Analytical Results and Chain-of-Custody Here)  
(Please see Form #4)

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Nashville  
2960 Foster Creighton Road  
Nashville, TN 37204  
Tel: 800-765-0980

TestAmerica Job ID: NUI3262  
Client Project/Site: [none]  
Client Project Description: Laurel Bay Housing Project

For:  
EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456

Attn: Tom McElwee



Authorized for release by:  
10/10/2011 12:53:58 PM

Ken A. Hayes  
Senior Project Manager  
[ken.hayes@testamericainc.com](mailto:ken.hayes@testamericainc.com)



### LINKS

Review your project results through  
**Total Access**

Have a Question?

**Ask The Expert**

Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Sample Summary . . . . .	3
Definitions . . . . .	4
Client Sample Results . . . . .	5
QC Sample Results . . . . .	11
QC Association . . . . .	17
Chronicle . . . . .	19
Method Summary . . . . .	21
Certification Summary . . . . .	22
Chain of Custody . . . . .	23

# Sample Summary

Client: EEG - Small Business Group, Inc. (2449)  
Project/Site: [none]

TestAmerica Job ID: NUI3262

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUI3262-01	159 Cypress-1	Soil	09/19/11 13:00	09/24/11 09:00
NUI3262-02	159 Cypress-2	Soil	09/20/11 11:15	09/24/11 09:00
NUI3262-03	400 Elderberry	Soil	09/21/11 13:45	09/24/11 09:00
NUI3262-04	141 Laurel Bay-a	Soil	09/22/11 09:15	09/24/11 09:00
NUI3262-05	153 Laurel Bay-a	Soil	09/22/11 09:45	09/24/11 09:00
NUI3262-06	155 Laurel Bay-a	Soil	09/22/11 10:45	09/24/11 09:00

## Definitions/Glossary

Client: EEG - Small Business Group, Inc. (2449)

TestAmerica Job ID: NUI3262

Project/Site: [none]

### Qualifiers

#### GCMS Volatiles

Qualifier	Qualifier Description
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
RL1	Reporting limit raised due to sample matrix effects.

#### GCMS Semivolatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☆	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

**Client Sample ID: 159 Cypress-1**

**Lab Sample ID: NUI3262-01**

Date Collected: 09/19/11 13:00

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 83.5

5

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00188	0.00103	mg/kg dry	☐	09/19/11 13:00	09/28/11 14:02	1.00
Ethylbenzene	ND		0.00188	0.00103	mg/kg dry	☐	09/19/11 13:00	09/28/11 14:02	1.00
Naphthalene	ND		0.00470	0.00235	mg/kg dry	☐	09/19/11 13:00	09/28/11 14:02	1.00
Toluene	ND		0.00188	0.00103	mg/kg dry	☐	09/19/11 13:00	09/28/11 14:02	1.00
Xylenes, total	ND		0.00470	0.00235	mg/kg dry	☐	09/19/11 13:00	09/28/11 14:02	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	98		70 - 130				09/19/11 13:00	09/28/11 14:02	1.00
Dibromofluoromethane	95		70 - 130				09/19/11 13:00	09/28/11 14:02	1.00
Toluene-d8	100		70 - 130				09/19/11 13:00	09/28/11 14:02	1.00
4-Bromofluorobenzene	97		70 - 130				09/19/11 13:00	09/28/11 14:02	1.00

**Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Acenaphthylene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Anthracene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Benzo (a) anthracene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Benzo (a) pyrene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Benzo (b) fluoranthene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Benzo (g,h,i) perylene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Benzo (k) fluoranthene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Chrysene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Dibenz (a,h) anthracene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Fluoranthene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Fluorene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Naphthalene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Phenanthrene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
Pyrene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
1-Methylnaphthalene	0.0433	J	0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
2-Methylnaphthalene	ND		0.0798	0.0405	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:06	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	71		18 - 120				09/27/11 07:57	09/28/11 04:06	1.00
2-Fluorobiphenyl	59		14 - 120				09/27/11 07:57	09/28/11 04:06	1.00
Nitrobenzene-d5	56		17 - 120				09/27/11 07:57	09/28/11 04:06	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	83.5		0.500	0.500	%		09/28/11 10:28	09/29/11 11:06	1.00

## Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

**Client Sample ID: 159 Cypress-2**

**Lab Sample ID: NUI3262-02**

Date Collected: 09/20/11 11:15

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 95.9

5

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00223	0.00123	mg/kg dry	☒	09/20/11 11:15	09/30/11 14:18	1.00
Ethylbenzene	ND		0.00223	0.00123	mg/kg dry	☒	09/20/11 11:15	09/30/11 14:18	1.00
Toluene	ND		0.00223	0.00123	mg/kg dry	☒	09/20/11 11:15	09/30/11 14:18	1.00
Xylenes, total	ND		0.00557	0.00279	mg/kg dry	☒	09/20/11 11:15	09/30/11 14:18	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	09/20/11 11:15	09/30/11 14:18	1.00
Dibromofluoromethane	100		70 - 130	09/20/11 11:15	09/30/11 14:18	1.00
Toluene-d8	111		70 - 130	09/20/11 11:15	09/30/11 14:18	1.00
4-Bromofluorobenzene	147	ZX	70 - 130	09/20/11 11:15	09/30/11 14:18	1.00

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	RL1	0.323	0.161	mg/kg dry	☒	09/20/11 11:15	09/30/11 14:49	50.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130	09/20/11 11:15	09/30/11 14:49	50.0
Dibromofluoromethane	91		70 - 130	09/20/11 11:15	09/30/11 14:49	50.0
Toluene-d8	97		70 - 130	09/20/11 11:15	09/30/11 14:49	50.0
4-Bromofluorobenzene	98		70 - 130	09/20/11 11:15	09/30/11 14:49	50.0

**Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Acenaphthylene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Anthracene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Benzo (a) anthracene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
<b>Benzo (a) pyrene</b>	<b>0.0783</b>		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Benzo (b) fluoranthene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
<b>Benzo (g,h,i) perylene</b>	<b>0.0695</b>		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Benzo (k) fluoranthene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Chrysene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Dibenz (a,h) anthracene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Fluoranthene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Fluorene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Naphthalene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Phenanthrene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
Pyrene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
1-Methylnaphthalene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00
2-Methylnaphthalene	ND		0.0685	0.0347	mg/kg dry	☒	09/27/11 07:57	09/28/11 04:27	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	66		18 - 120	09/27/11 07:57	09/28/11 04:27	1.00
2-Fluorobiphenyl	51		14 - 120	09/27/11 07:57	09/28/11 04:27	1.00
Nitrobenzene-d5	51		17 - 120	09/27/11 07:57	09/28/11 04:27	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	95.9		0.500	0.500	%		09/28/11 10:28	09/29/11 11:06	1.00

## Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
Project/Site: [none]

TestAmerica Job ID: NUI3262

**Client Sample ID: 400 Elderberry**

Date Collected: 09/21/11 13:45

Date Received: 09/24/11 09:00

**Lab Sample ID: NUI3262-03**

Matrix: Soil

Percent Solids: 82.7

5

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00245	0.00135	mg/kg dry	☐	09/21/11 13:45	09/28/11 15:04	1.00
Ethylbenzene	ND		0.00245	0.00135	mg/kg dry	☐	09/21/11 13:45	09/28/11 15:04	1.00
Naphthalene	ND		0.00613	0.00306	mg/kg dry	☐	09/21/11 13:45	09/28/11 15:04	1.00
Toluene	ND		0.00245	0.00135	mg/kg dry	☐	09/21/11 13:45	09/28/11 15:04	1.00
Xylenes, total	ND		0.00613	0.00306	mg/kg dry	☐	09/21/11 13:45	09/28/11 15:04	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130	09/21/11 13:45	09/28/11 15:04	1.00
Dibromofluoromethane	98		70 - 130	09/21/11 13:45	09/28/11 15:04	1.00
Toluene-d8	105		70 - 130	09/21/11 13:45	09/28/11 15:04	1.00
4-Bromofluorobenzene	117		70 - 130	09/21/11 13:45	09/28/11 15:04	1.00

**Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Acenaphthylene	ND		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Anthracene	0.322		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Benzo (a) anthracene	2.04		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Benzo (a) pyrene	0.940		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Benzo (b) fluoranthene	1.53		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Benzo (g,h,i) perylene	0.387		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Benzo (k) fluoranthene	0.959		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Chrysene	2.42		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Dibenz (a,h) anthracene	0.186		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Fluoranthene	4.09		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Fluorene	ND		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Indeno (1,2,3-cd) pyrene	0.407		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Naphthalene	ND		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Phenanthrene	1.18		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
Pyrene	3.44		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
1-Methylnaphthalene	ND		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00
2-Methylnaphthalene	ND		0.0788	0.0400	mg/kg dry	☐	09/27/11 07:57	09/28/11 04:47	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	72		18 - 120	09/27/11 07:57	09/28/11 04:47	1.00
2-Fluorobiphenyl	62		14 - 120	09/27/11 07:57	09/28/11 04:47	1.00
Nitrobenzene-d5	61		17 - 120	09/27/11 07:57	09/28/11 04:47	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	82.7		0.500	0.500	%	☐	09/28/11 10:28	09/29/11 11:06	1.00

## Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

**Client Sample ID: 141 Laurel Bay-a**

**Lab Sample ID: NUI3262-04**

Date Collected: 09/22/11 09:15

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 77.6

5

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00195	0.00107	mg/kg dry	☐	09/22/11 09:15	09/28/11 15:36	1.00
Ethylbenzene	0.0293		0.00195	0.00107	mg/kg dry	☐	09/22/11 09:15	09/28/11 15:36	1.00
Toluene	ND		0.00195	0.00107	mg/kg dry	☐	09/22/11 09:15	09/28/11 15:36	1.00
Xylenes, total	0.0391		0.00487	0.00243	mg/kg dry	☐	09/22/11 09:15	09/28/11 15:36	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	97		70 - 130				09/22/11 09:15	09/28/11 15:36	1.00
Dibromofluoromethane	97		70 - 130				09/22/11 09:15	09/28/11 15:36	1.00
Toluene-d8	108		70 - 130				09/22/11 09:15	09/28/11 15:36	1.00
4-Bromofluorobenzene	141	ZX	70 - 130				09/22/11 09:15	09/28/11 15:36	1.00

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.94		0.246	0.123	mg/kg dry	☐	09/22/11 09:15	09/30/11 17:56	50.0
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	101		70 - 130				09/22/11 09:15	09/30/11 17:56	50.0
Dibromofluoromethane	87		70 - 130				09/22/11 09:15	09/30/11 17:56	50.0
Toluene-d8	99		70 - 130				09/22/11 09:15	09/30/11 17:56	50.0
4-Bromofluorobenzene	95		70 - 130				09/22/11 09:15	09/30/11 17:56	50.0

**Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.137		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Acenaphthylene	ND		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Anthracene	0.185		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Benzo (a) anthracene	0.455		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Benzo (a) pyrene	0.220		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Benzo (b) fluoranthene	0.262		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Benzo (g,h,i) perylene	0.0634	J	0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Benzo (k) fluoranthene	0.218		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Chrysene	0.366		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Dibenz (a,h) anthracene	ND		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Fluoranthene	1.14		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Fluorene	0.289		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Indeno (1,2,3-cd) pyrene	0.0702	J	0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Naphthalene	0.197		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Phenanthrene	1.04		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
Pyrene	1.03		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
1-Methylnaphthalene	0.743		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
2-Methylnaphthalene	1.27		0.0855	0.0434	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:08	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	78		18 - 120				09/27/11 07:57	09/28/11 05:08	1.00
2-Fluorobiphenyl	60		14 - 120				09/27/11 07:57	09/28/11 05:08	1.00
Nitrobenzene-d5	57		17 - 120				09/27/11 07:57	09/28/11 05:08	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	77.6		0.500	0.500	%		09/28/11 10:28	09/29/11 11:06	1.00

## Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
Project/Site: [none]

TestAmerica Job ID: NUI3262

**Client Sample ID: 153 Laurel Bay-a**

**Lab Sample ID: NUI3262-05**

Date Collected: 09/22/11 09:45

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 77.9

5

**Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00222	0.00122	mg/kg dry	☉	09/22/11 09:45	09/28/11 16:07	1.00
Ethylbenzene	ND		0.00222	0.00122	mg/kg dry	☉	09/22/11 09:45	09/28/11 16:07	1.00
Naphthalene	ND		0.00556	0.00278	mg/kg dry	☉	09/22/11 09:45	09/28/11 16:07	1.00
Toluene	ND		0.00222	0.00122	mg/kg dry	☉	09/22/11 09:45	09/28/11 16:07	1.00
Xylenes, total	ND		0.00556	0.00278	mg/kg dry	☉	09/22/11 09:45	09/28/11 16:07	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	87		70 - 130				09/22/11 09:45	09/28/11 16:07	1.00
Dibromofluoromethane	91		70 - 130				09/22/11 09:45	09/28/11 16:07	1.00
Toluene-d8	104		70 - 130				09/22/11 09:45	09/28/11 16:07	1.00
4-Bromofluorobenzene	100		70 - 130				09/22/11 09:45	09/28/11 16:07	1.00

**Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Acenaphthylene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Anthracene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Benzo (a) anthracene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Benzo (a) pyrene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Benzo (b) fluoranthene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Benzo (g,h,i) perylene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Benzo (k) fluoranthene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Chrysene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Dibenz (a,h) anthracene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Fluoranthene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Fluorene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Naphthalene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Phenanthrene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
Pyrene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
1-Methylnaphthalene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
2-Methylnaphthalene	ND		0.0847	0.0430	mg/kg dry	☉	09/27/11 07:57	09/28/11 05:30	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	68		18 - 120				09/27/11 07:57	09/28/11 05:30	1.00
2-Fluorobiphenyl	52		14 - 120				09/27/11 07:57	09/28/11 05:30	1.00
Nitrobenzene-d5	52		17 - 120				09/27/11 07:57	09/28/11 05:30	1.00

**Method: SW-846 - General Chemistry Parameters**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	77.9		0.500	0.500	%		09/28/11 10:28	09/29/11 11:06	1.00

## Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
Project/Site: [none]

TestAmerica Job ID: NUI3262

**Client Sample ID: 155 Laurel Bay-a**

**Lab Sample ID: NUI3262-06**

Date Collected: 09/22/11 10:45

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 88.1

5

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00265	0.00146	mg/kg dry	☐	09/22/11 10:45	09/28/11 16:38	1.00
Ethylbenzene	ND		0.00265	0.00146	mg/kg dry	☐	09/22/11 10:45	09/28/11 16:38	1.00
Naphthalene	ND		0.00663	0.00332	mg/kg dry	☐	09/22/11 10:45	09/28/11 16:38	1.00
Toluene	ND		0.00265	0.00146	mg/kg dry	☐	09/22/11 10:45	09/28/11 16:38	1.00
Xylenes, total	ND		0.00663	0.00332	mg/kg dry	☐	09/22/11 10:45	09/28/11 16:38	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4	101		70 - 130				09/22/11 10:45	09/28/11 16:38	1.00
Dibromofluoromethane	97		70 - 130				09/22/11 10:45	09/28/11 16:38	1.00
Toluene-d8	100		70 - 130				09/22/11 10:45	09/28/11 16:38	1.00
4-Bromofluorobenzene	97		70 - 130				09/22/11 10:45	09/28/11 16:38	1.00

### Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Acenaphthylene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Anthracene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Benzo (a) anthracene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Benzo (a) pyrene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Benzo (b) fluoranthene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Benzo (g,h,i) perylene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Benzo (k) fluoranthene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Chrysene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Dibenz (a,h) anthracene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Fluoranthene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Fluorene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Naphthalene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Phenanthrene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
Pyrene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
1-Methylnaphthalene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
2-Methylnaphthalene	ND		0.0751	0.0381	mg/kg dry	☐	09/27/11 07:57	09/28/11 05:50	1.00
<b>Surrogate</b>	<b>% Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	77		18 - 120				09/27/11 07:57	09/28/11 05:50	1.00
2-Fluorobiphenyl	62		14 - 120				09/27/11 07:57	09/28/11 05:50	1.00
Nitrobenzene-d5	63		17 - 120				09/27/11 07:57	09/28/11 05:50	1.00

### Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	88.1		0.500	0.500	%		09/28/11 10:28	09/29/11 11:06	1.00

## QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

**Lab Sample ID: 11I5281-BLK1**

**Matrix: Soil**

**Analysis Batch: U017358**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11I5281\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.00200	0.00110	mg/kg wet		09/28/11 09:51	09/28/11 11:56	1.00
Ethylbenzene	ND		0.00200	0.00110	mg/kg wet		09/28/11 09:51	09/28/11 11:56	1.00
Naphthalene	ND		0.00500	0.00250	mg/kg wet		09/28/11 09:51	09/28/11 11:56	1.00
Toluene	ND		0.00200	0.00110	mg/kg wet		09/28/11 09:51	09/28/11 11:56	1.00
Xylenes, total	ND		0.00500	0.00250	mg/kg wet		09/28/11 09:51	09/28/11 11:56	1.00

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	99		70 - 130	09/28/11 09:51	09/28/11 11:56	1.00
Dibromofluoromethane	98		70 - 130	09/28/11 09:51	09/28/11 11:56	1.00
Toluene-d8	101		70 - 130	09/28/11 09:51	09/28/11 11:56	1.00
4-Bromofluorobenzene	97		70 - 130	09/28/11 09:51	09/28/11 11:56	1.00

**Lab Sample ID: 11I5281-BLK2**

**Matrix: Soil**

**Analysis Batch: U017358**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 11I5281\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.100	0.0550	mg/kg wet		09/28/11 09:51	09/28/11 12:27	50.0
Ethylbenzene	ND		0.100	0.0550	mg/kg wet		09/28/11 09:51	09/28/11 12:27	50.0
Naphthalene	ND		0.250	0.125	mg/kg wet		09/28/11 09:51	09/28/11 12:27	50.0
Toluene	ND		0.100	0.0550	mg/kg wet		09/28/11 09:51	09/28/11 12:27	50.0
Xylenes, total	ND		0.250	0.125	mg/kg wet		09/28/11 09:51	09/28/11 12:27	50.0

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	99		70 - 130	09/28/11 09:51	09/28/11 12:27	50.0
Dibromofluoromethane	97		70 - 130	09/28/11 09:51	09/28/11 12:27	50.0
Toluene-d8	100		70 - 130	09/28/11 09:51	09/28/11 12:27	50.0
4-Bromofluorobenzene	97		70 - 130	09/28/11 09:51	09/28/11 12:27	50.0

**Lab Sample ID: 11I5281-BS1**

**Matrix: Soil**

**Analysis Batch: U017358**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11I5281\_P**

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Benzene	50.0	54.4		ug/kg		109	75 - 127
Ethylbenzene	50.0	57.4		ug/kg		115	80 - 134
Naphthalene	50.0	57.3		ug/kg		115	69 - 150
Toluene	50.0	56.8		ug/kg		114	80 - 132
Xylenes, total	150	174		ug/kg		116	80 - 137

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	98		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	96		70 - 130

## QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11I5281-MS1				Client Sample ID: Matrix Spike						
Matrix: Soil				Prep Type: Total						
Analysis Batch: U017358				Prep Batch: 11I5281_P						
Analyte	Sample	Sample	Spike	Matrix Spike		Unit	D	% Rec	% Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Benzene	1.94		2.18	4.98		mg/kg wet		139		31 - 143
Ethylbenzene	10.7		2.18	14.3	M1	mg/kg wet		165		23 - 161
Naphthalene	6.46		2.18	10.6	M1	mg/kg wet		191		10 - 176
Toluene	0.118		2.18	2.84		mg/kg wet		125		30 - 155
Xylenes, total	1.20		6.54	9.57		mg/kg wet		128		25 - 162
Surrogate				Matrix Spike	Matrix Spike					
	% Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4	107		70 - 130							
Dibromofluoromethane	96		70 - 130							
Toluene-d8	177	ZX	70 - 130							
4-Bromofluorobenzene	131	ZX	70 - 130							

Lab Sample ID: 11I5281-MSD1				Client Sample ID: Matrix Spike Duplicate								
Matrix: Soil				Prep Type: Total								
Analysis Batch: U017358				Prep Batch: 11I5281_P								
Analyte	Sample	Sample	Spike	Matrix Spike Dup		Unit	D	% Rec	% Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	1.94		2.18	4.77		mg/kg wet		130		31 - 143	4	50
Ethylbenzene	10.7		2.18	13.9		mg/kg wet		146		23 - 161	3	50
Naphthalene	6.46		2.18	10.7	M1	mg/kg wet		195		10 - 176	0.7	50
Toluene	0.118		2.18	2.66		mg/kg wet		116		30 - 155	7	50
Xylenes, total	1.20		6.54	9.25		mg/kg wet		123		25 - 162	3	50
Surrogate				Matrix Spike Dup	Matrix Spike Dup							
	% Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4	111		70 - 130									
Dibromofluoromethane	99		70 - 130									
Toluene-d8	171	ZX	70 - 130									
4-Bromofluorobenzene	136	ZX	70 - 130									

Lab Sample ID: 11I6327-BLK1				Client Sample ID: Method Blank						
Matrix: Soil				Prep Type: Total						
Analysis Batch: U017446				Prep Batch: 11I6327_P						
Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Benzene	ND		0.00200	0.00110	mg/kg wet		09/30/11 10:09	09/30/11 12:14	1.00	
Ethylbenzene	ND		0.00200	0.00110	mg/kg wet		09/30/11 10:09	09/30/11 12:14	1.00	
Naphthalene	ND		0.00500	0.00250	mg/kg wet		09/30/11 10:09	09/30/11 12:14	1.00	
Toluene	ND		0.00200	0.00110	mg/kg wet		09/30/11 10:09	09/30/11 12:14	1.00	
Xylenes, total	ND		0.00500	0.00250	mg/kg wet		09/30/11 10:09	09/30/11 12:14	1.00	
Surrogate				Blank	Blank					
	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4	96		70 - 130			09/30/11 10:09	09/30/11 12:14	1.00		
Dibromofluoromethane	97		70 - 130			09/30/11 10:09	09/30/11 12:14	1.00		
Toluene-d8	101		70 - 130			09/30/11 10:09	09/30/11 12:14	1.00		
4-Bromofluorobenzene	97		70 - 130			09/30/11 10:09	09/30/11 12:14	1.00		

## QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 11I6327-BLK2**  
**Matrix: Soil**  
**Analysis Batch: U017446**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11I6327\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.100	0.0550	mg/kg wet		09/30/11 10:09	09/30/11 12:45	50.0
Ethylbenzene	ND		0.100	0.0550	mg/kg wet		09/30/11 10:09	09/30/11 12:45	50.0
Naphthalene	ND		0.250	0.125	mg/kg wet		09/30/11 10:09	09/30/11 12:45	50.0
Toluene	ND		0.100	0.0550	mg/kg wet		09/30/11 10:09	09/30/11 12:45	50.0
Xylenes, total	ND		0.250	0.125	mg/kg wet		09/30/11 10:09	09/30/11 12:45	50.0

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	98		70 - 130	09/30/11 10:09	09/30/11 12:45	50.0
Dibromofluoromethane	98		70 - 130	09/30/11 10:09	09/30/11 12:45	50.0
Toluene-d8	100		70 - 130	09/30/11 10:09	09/30/11 12:45	50.0
4-Bromofluorobenzene	97		70 - 130	09/30/11 10:09	09/30/11 12:45	50.0

**Lab Sample ID: 11I6327-BS1**  
**Matrix: Soil**  
**Analysis Batch: U017446**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11I6327\_P**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Benzene	50.0	56.1		ug/kg		112	75 - 127
Ethylbenzene	50.0	59.0		ug/kg		118	80 - 134
Naphthalene	50.0	64.8		ug/kg		130	69 - 150
Toluene	50.0	58.0		ug/kg		116	80 - 132
Xylenes, total	150	178		ug/kg		119	80 - 137

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	101		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	97		70 - 130

**Lab Sample ID: 11I6327-MS1**  
**Matrix: Soil**  
**Analysis Batch: U017446**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total**  
**Prep Batch: 11I6327\_P**

Analyte	Sample	Sample	Spike Added	Matrix Spike	Matrix Spike	Unit	D	% Rec	% Rec. Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		52.1	76.1	M1	mg/kg wet		146	31 - 143
Ethylbenzene	ND		52.1	70.9		mg/kg wet		136	23 - 161
Naphthalene	ND		52.1	95.0	M1	mg/kg wet		182	10 - 176
Toluene	ND		52.1	72.6		mg/kg wet		139	30 - 155
Xylenes, total	ND		156	216		mg/kg wet		138	25 - 162

Surrogate	Matrix Spike	Matrix Spike	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	100		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	84		70 - 130

## QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
Project/Site: [none]

TestAmerica Job ID: NUI3262

### Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

**Lab Sample ID: 1116327-MSD1**

**Matrix: Soil**

**Analysis Batch: U017446**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 1116327\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Benzene	ND		52.1	92.6	M1	mg/kg wet		178	31 - 143	20	50	
Ethylbenzene	ND		52.1	86.6	M1	mg/kg wet		166	23 - 161	20	50	
Naphthalene	ND		52.1	105	M1	mg/kg wet		201	10 - 176	10	50	
Toluene	ND		52.1	88.3	M1	mg/kg wet		170	30 - 155	20	50	
Xylenes, total	ND		156	262	M1	mg/kg wet		168	25 - 162	19	50	

*Matrix Spike Dup    Matrix Spike Dup*

Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	97		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	86		70 - 130

### Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

**Lab Sample ID: 1115238-BLK1**

**Matrix: Soil**

**Analysis Batch: 1115238**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 1115238\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Acenaphthylene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Anthracene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Benzo (a) anthracene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Benzo (a) pyrene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Chrysene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Fluoranthene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Fluorene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Naphthalene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Phenanthrene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
Pyrene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
1-Methylnaphthalene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00
2-Methylnaphthalene	ND		0.0670	0.0340	mg/kg wet		09/27/11 07:57	09/28/11 01:19	1.00

*Blank    Blank*

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	61		18 - 120	09/27/11 07:57	09/28/11 01:19	1.00
2-Fluorobiphenyl	48		14 - 120	09/27/11 07:57	09/28/11 01:19	1.00
Nitrobenzene-d5	49		17 - 120	09/27/11 07:57	09/28/11 01:19	1.00

**Lab Sample ID: 1115238-BS1**

**Matrix: Soil**

**Analysis Batch: 1115238**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 1115238\_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	RPD
Acenaphthene	1.67	1.11		mg/kg wet		66	36 - 120	

## QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
Project/Site: [none]

TestAmerica Job ID: NUI3262

### Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

**Lab Sample ID: 11I5238-BS1**

**Matrix: Soil**

**Analysis Batch: 11I5238**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 11I5238\_P**

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Acenaphthylene	1.67	1.04		mg/kg wet		62	38 - 120
Anthracene	1.67	1.17		mg/kg wet		70	46 - 124
Benzo (a) anthracene	1.67	1.12		mg/kg wet		67	45 - 120
Benzo (a) pyrene	1.67	1.23		mg/kg wet		74	45 - 120
Benzo (b) fluoranthene	1.67	1.10		mg/kg wet		66	42 - 120
Benzo (g,h,i) perylene	1.67	1.12		mg/kg wet		67	38 - 120
Benzo (k) fluoranthene	1.67	1.27		mg/kg wet		76	42 - 120
Chrysene	1.67	1.08		mg/kg wet		65	43 - 120
Dibenz (a,h) anthracene	1.67	1.13		mg/kg wet		68	32 - 128
Fluoranthene	1.67	1.18		mg/kg wet		71	46 - 120
Fluorene	1.67	1.14		mg/kg wet		69	42 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.14		mg/kg wet		68	41 - 121
Naphthalene	1.67	1.11		mg/kg wet		67	32 - 120
Phenanthrene	1.67	1.16		mg/kg wet		69	45 - 120
Pyrene	1.67	1.11		mg/kg wet		67	43 - 120
1-Methylnaphthalene	1.67	0.842		mg/kg wet		51	32 - 120
2-Methylnaphthalene	1.67	0.987		mg/kg wet		59	28 - 120

LCS - LCS

Surrogate	% Recovery	Qualifier	Limits
Terphenyl-d14	69		18 - 120
2-Fluorobiphenyl	57		14 - 120
Nitrobenzene-d5	52		17 - 120

**Lab Sample ID: 11I5238-MS1**

**Matrix: Soil**

**Analysis Batch: 11I5238**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 11I5238\_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike		Unit	D	% Rec	% Rec. Limits
				Result	Qualifier				
Acenaphthene	0.0756		1.94	1.25		mg/kg dry	☐	60	19 - 120
Acenaphthylene	0.0853		1.94	1.17		mg/kg dry	☐	56	25 - 120
Anthracene	0.180		1.94	1.33		mg/kg dry	☐	59	28 - 125
Benzo (a) anthracene	0.611		1.94	1.63		mg/kg dry	☐	52	23 - 120
Benzo (a) pyrene	0.691		1.94	1.91		mg/kg dry	☐	63	15 - 128
Benzo (b) fluoranthene	0.637		1.94	1.76		mg/kg dry	☐	58	12 - 133
Benzo (g,h,i) perylene	0.558		1.94	1.55		mg/kg dry	☐	51	22 - 120
Benzo (k) fluoranthene	0.604		1.94	1.91		mg/kg dry	☐	67	28 - 120
Chrysene	0.626		1.94	1.71		mg/kg dry	☐	56	20 - 120
Dibenz (a,h) anthracene	0.162		1.94	1.30		mg/kg dry	☐	59	12 - 128
Fluoranthene	1.32		1.94	2.69		mg/kg dry	☐	70	10 - 143
Fluorene	0.0787		1.94	1.27		mg/kg dry	☐	61	20 - 120
Indeno (1,2,3-cd) pyrene	0.434		1.94	1.49		mg/kg dry	☐	54	22 - 121
Naphthalene	0.145		1.94	1.34		mg/kg dry	☐	61	10 - 120
Phenanthrene	0.897		1.94	2.26		mg/kg dry	☐	70	21 - 122
Pyrene	1.14		1.94	2.29		mg/kg dry	☐	59	20 - 123
1-Methylnaphthalene	ND		1.94	0.972		mg/kg dry	☐	50	10 - 120
2-Methylnaphthalene	0.0522		1.94	1.14		mg/kg dry	☐	56	13 - 120

Matrix Spike Matrix Spike

Surrogate	% Recovery	Qualifier	Limits
Terphenyl-d14	59		18 - 120

## QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

### Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 11I5238-MS1  
 Matrix: Soil  
 Analysis Batch: 11I5238

Client Sample ID: Matrix Spike  
 Prep Type: Total  
 Prep Batch: 11I5238\_P

Surrogate	Matrix Spike		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	49		14 - 120
Nitrobenzene-d5	48		17 - 120

Lab Sample ID: 11I5238-MSD1  
 Matrix: Soil  
 Analysis Batch: 11I5238

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total  
 Prep Batch: 11I5238\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup		Unit	D	% Rec	% Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Acenaphthene	0.0756		1.94	1.28		mg/kg dry	☉	62	19 - 120	3	50	
Acenaphthylene	0.0853		1.94	1.15		mg/kg dry	☉	55	25 - 120	1	50	
Anthracene	0.180		1.94	1.39		mg/kg dry	☉	62	28 - 125	4	49	
Benzo (a) anthracene	0.611		1.94	1.99		mg/kg dry	☉	71	23 - 120	20	50	
Benzo (a) pyrene	0.691		1.94	2.31		mg/kg dry	☉	83	15 - 128	19	50	
Benzo (b) fluoranthene	0.637		1.94	2.15		mg/kg dry	☉	78	12 - 133	20	50	
Benzo (g,h,i) perylene	0.558		1.94	1.82		mg/kg dry	☉	65	22 - 120	16	50	
Benzo (k) fluoranthene	0.604		1.94	2.21		mg/kg dry	☉	83	28 - 120	15	45	
Chrysene	0.626		1.94	2.08		mg/kg dry	☉	75	20 - 120	20	49	
Dibenz (a,h) anthracene	0.162		1.94	1.38		mg/kg dry	☉	63	12 - 128	6	50	
Fluoranthene	1.32		1.94	3.45		mg/kg dry	☉	109	10 - 143	25	50	
Fluorene	0.0787		1.94	1.31		mg/kg dry	☉	63	20 - 120	3	50	
Indeno (1,2,3-cd) pyrene	0.434		1.94	1.72		mg/kg dry	☉	66	22 - 121	14	50	
Naphthalene	0.145		1.94	1.42		mg/kg dry	☉	66	10 - 120	6	50	
Phenanthrene	0.897		1.94	2.87		mg/kg dry	☉	102	21 - 122	24	50	
Pyrene	1.14		1.94	2.98		mg/kg dry	☉	95	20 - 123	26	50	
1-Methylnaphthalene	ND		1.94	0.928		mg/kg dry	☉	48	10 - 120	5	50	
2-Methylnaphthalene	0.0522		1.94	1.12		mg/kg dry	☉	55	13 - 120	1	50	

Surrogate	Matrix Spike Dup		Limits
	% Recovery	Qualifier	
Terphenyl-d14	59		18 - 120
2-Fluorobiphenyl	49		14 - 120
Nitrobenzene-d5	47		17 - 120

### Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11I5650-DUP1  
 Matrix: Soil  
 Analysis Batch: 11I5650

Client Sample ID: Duplicate  
 Prep Type: Total  
 Prep Batch: 11I5650\_P

Analyte	Sample Result	Sample Qualifier	Duplicate		Unit	D	RPD	Limit
			Result	Qualifier				
% Dry Solids	81.7		81.9		%		0.2	20

## QC Association Summary

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

### GCMS Volatiles

#### Analysis Batch: U017358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1115281-BLK1	Method Blank	Total	Soil	SW846 8260B	1115281_P
1115281-BLK2	Method Blank	Total	Soil	SW846 8260B	1115281_P
1115281-BS1	Lab Control Sample	Total	Soil	SW846 8260B	1115281_P
1115281-MS1	Matrix Spike	Total	Soil	SW846 8260B	1115281_P
1115281-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	1115281_P
NUI3262-01	159 Cypress-1	Total	Soil	SW846 8260B	1115281_P
NUI3262-03	400 Elderberry	Total	Soil	SW846 8260B	1115281_P
NUI3262-04	141 Laurel Bay-a	Total	Soil	SW846 8260B	1115281_P
NUI3262-05	153 Laurel Bay-a	Total	Soil	SW846 8260B	1115281_P
NUI3262-06	155 Laurel Bay-a	Total	Soil	SW846 8260B	1115281_P

#### Analysis Batch: U017446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1116327-BLK1	Method Blank	Total	Soil	SW846 8260B	1116327_P
1116327-BLK2	Method Blank	Total	Soil	SW846 8260B	1116327_P
1116327-BS1	Lab Control Sample	Total	Soil	SW846 8260B	1116327_P
1116327-MS1	Matrix Spike	Total	Soil	SW846 8260B	1116327_P
1116327-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	1116327_P
NUI3262-02 - RE1	159 Cypress-2	Total	Soil	SW846 8260B	1116327_P
NUI3262-02 - RE2	159 Cypress-2	Total	Soil	SW846 8260B	1116327_P
NUI3262-04 - RE1	141 Laurel Bay-a	Total	Soil	SW846 8260B	1116327_P

#### Prep Batch: 1115281\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1115281-BLK1	Method Blank	Total	Soil	EPA 5035	
1115281-BLK2	Method Blank	Total	Soil	EPA 5035	
1115281-BS1	Lab Control Sample	Total	Soil	EPA 5035	
1115281-MS1	Matrix Spike	Total	Soil	EPA 5035	
1115281-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUI3262-01	159 Cypress-1	Total	Soil	EPA 5035	
NUI3262-03	400 Elderberry	Total	Soil	EPA 5035	
NUI3262-04	141 Laurel Bay-a	Total	Soil	EPA 5035	
NUI3262-05	153 Laurel Bay-a	Total	Soil	EPA 5035	
NUI3262-06	155 Laurel Bay-a	Total	Soil	EPA 5035	

#### Prep Batch: 1116327\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1116327-BLK1	Method Blank	Total	Soil	EPA 5035	
1116327-BLK2	Method Blank	Total	Soil	EPA 5035	
1116327-BS1	Lab Control Sample	Total	Soil	EPA 5035	
1116327-MS1	Matrix Spike	Total	Soil	EPA 5035	
1116327-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUI3262-02 - RE1	159 Cypress-2	Total	Soil	EPA 5035	
NUI3262-02 - RE2	159 Cypress-2	Total	Soil	EPA 5035	
NUI3262-04 - RE1	141 Laurel Bay-a	Total	Soil	EPA 5035	

### GCMS Semivolatiles

#### Analysis Batch: 1115238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1115238-BLK1	Method Blank	Total	Soil	SW846 8270D	1115238_P
1115238-BS1	Lab Control Sample	Total	Soil	SW846 8270D	1115238_P

## QC Association Summary

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

### GCMS Semivolatiles (Continued)

#### Analysis Batch: 11I5238 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I5238-MS1	Matrix Spike	Total	Soil	SW846 8270D	11I5238_P
11I5238-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11I5238_P
NUI3262-01	159 Cypress-1	Total	Soil	SW846 8270D	11I5238_P
NUI3262-02	159 Cypress-2	Total	Soil	SW846 8270D	11I5238_P
NUI3262-03	400 Elderberry	Total	Soil	SW846 8270D	11I5238_P
NUI3262-04	141 Laurel Bay-a	Total	Soil	SW846 8270D	11I5238_P
NUI3262-05	153 Laurel Bay-a	Total	Soil	SW846 8270D	11I5238_P
NUI3262-06	155 Laurel Bay-a	Total	Soil	SW846 8270D	11I5238_P

#### Prep Batch: 11I5238\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I5238-BLK1	Method Blank	Total	Soil	EPA 3550B	
11I5238-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
11I5238-MS1	Matrix Spike	Total	Soil	EPA 3550B	
11I5238-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550B	
NUI3262-01	159 Cypress-1	Total	Soil	EPA 3550B	
NUI3262-02	159 Cypress-2	Total	Soil	EPA 3550B	
NUI3262-03	400 Elderberry	Total	Soil	EPA 3550B	
NUI3262-04	141 Laurel Bay-a	Total	Soil	EPA 3550B	
NUI3262-05	153 Laurel Bay-a	Total	Soil	EPA 3550B	
NUI3262-06	155 Laurel Bay-a	Total	Soil	EPA 3550B	

### Extractions

#### Analysis Batch: 11I5650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I5650-DUP1	Duplicate	Total	Soil	SW-846	11I5650_P
NUI3262-01	159 Cypress-1	Total	Soil	SW-846	11I5650_P
NUI3262-02	159 Cypress-2	Total	Soil	SW-846	11I5650_P
NUI3262-03	400 Elderberry	Total	Soil	SW-846	11I5650_P
NUI3262-04	141 Laurel Bay-a	Total	Soil	SW-846	11I5650_P
NUI3262-05	153 Laurel Bay-a	Total	Soil	SW-846	11I5650_P
NUI3262-06	155 Laurel Bay-a	Total	Soil	SW-846	11I5650_P

#### Prep Batch: 11I5650\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I5650-DUP1	Duplicate	Total	Soil	% Solids	
NUI3262-01	159 Cypress-1	Total	Soil	% Solids	
NUI3262-02	159 Cypress-2	Total	Soil	% Solids	
NUI3262-03	400 Elderberry	Total	Soil	% Solids	
NUI3262-04	141 Laurel Bay-a	Total	Soil	% Solids	
NUI3262-05	153 Laurel Bay-a	Total	Soil	% Solids	
NUI3262-06	155 Laurel Bay-a	Total	Soil	% Solids	

# Lab Chronicle

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

## Client Sample ID: 159 Cypress-1

Lab Sample ID: NUI3262-01

Date Collected: 09/19/11 13:00

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.785	11I5281_P	09/19/11 13:00	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U017358	09/28/11 14:02	KKK H	TAL NSH
Total	Prep	EPA 3550B		0.994	11I5238_P	09/27/11 07:57	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11I5238	09/28/11 04:06	KJP	TAL NSH
Total	Prep	% Solids		1.00	11I5650_P	09/28/11 10:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11I5650	09/29/11 11:06	RRS	TAL NSH

## Client Sample ID: 159 Cypress-2

Lab Sample ID: NUI3262-02

Date Collected: 09/20/11 11:15

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	1.07	11I6327_P	09/20/11 11:15	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U017446	09/30/11 14:18	KKK H	TAL NSH
Total	Prep	EPA 5035	RE2	1.24	11I6327_P	09/20/11 11:15	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	50.0	U017446	09/30/11 14:49	KKK H	TAL NSH
Total	Prep	EPA 3550B		0.980	11I5238_P	09/27/11 07:57	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11I5238	09/28/11 04:27	KJP	TAL NSH
Total	Prep	% Solids		1.00	11I5650_P	09/28/11 10:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11I5650	09/29/11 11:06	RRS	TAL NSH

## Client Sample ID: 400 Elderberry

Lab Sample ID: NUI3262-03

Date Collected: 09/21/11 13:45

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.01	11I5281_P	09/21/11 13:45	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U017358	09/28/11 15:04	KKK H	TAL NSH
Total	Prep	EPA 3550B		0.972	11I5238_P	09/27/11 07:57	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11I5238	09/28/11 04:47	KJP	TAL NSH
Total	Prep	% Solids		1.00	11I5650_P	09/28/11 10:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11I5650	09/29/11 11:06	RRS	TAL NSH

## Client Sample ID: 141 Laurel Bay-a

Lab Sample ID: NUI3262-04

Date Collected: 09/22/11 09:15

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.755	11I5281_P	09/22/11 09:15	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U017358	09/28/11 15:36	KKK H	TAL NSH
Total	Prep	EPA 5035	RE1	0.762	11I6327_P	09/22/11 09:15	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U017446	09/30/11 17:56	KKK H	TAL NSH
Total	Prep	EPA 3550B		0.991	11I5238_P	09/27/11 07:57	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11I5238	09/28/11 05:08	KJP	TAL NSH

## Lab Chronicle

Client: EEG - Small Business Group, Inc. (2449)  
 Project/Site: [none]

TestAmerica Job ID: NUI3262

### Client Sample ID: 141 Laurel Bay-a

Lab Sample ID: NUI3262-04

Date Collected: 09/22/11 09:15

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	% Solids		1.00	1115650_P	09/28/11 10:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	1115650	09/29/11 11:06	RRS	TAL NSH

### Client Sample ID: 153 Laurel Bay-a

Lab Sample ID: NUI3262-05

Date Collected: 09/22/11 09:45

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.867	1115281_P	09/22/11 09:45	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U017358	09/28/11 16:07	KKK H	TAL NSH
Total	Prep	EPA 3550B		0.985	1115238_P	09/27/11 07:57	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	1115238	09/28/11 05:30	KJP	TAL NSH
Total	Prep	% Solids		1.00	1115650_P	09/28/11 10:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	1115650	09/29/11 11:06	RRS	TAL NSH

### Client Sample ID: 155 Laurel Bay-a

Lab Sample ID: NUI3262-06

Date Collected: 09/22/11 10:45

Matrix: Soil

Date Received: 09/24/11 09:00

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.17	1115281_P	09/22/11 10:45	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U017358	09/28/11 16:38	KKK H	TAL NSH
Total	Prep	EPA 3550B		0.987	1115238_P	09/27/11 07:57	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	1115238	09/28/11 05:50	KJP	TAL NSH
Total	Prep	% Solids		1.00	1115650_P	09/28/11 10:28	RRS	TAL NSH
Total	Analysis	SW-846		1.00	1115650	09/29/11 11:06	RRS	TAL NSH

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

# Method Summary

Client: EEG - Small Business Group, Inc. (2449)  
Project/Site: [none]

TestAmerica Job ID: NUI3262

---

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Polyaromatic Hydrocarbons by EPA 8270D		TAL NSH

**Protocol References:**

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980



# Certification Summary

Client: EEG - Small Business Group, Inc. (2449)

TestAmerica Job ID: NUI3262

Project/Site: [none]

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

**TestAmerica**

Nashville Division  
2960 Foster Creighton  
Nashville, TN 37204

Phone: 615-228-7777  
Toll Free: 800-451-7273  
Fax: 615-228-7777

Client Name/Account #: EEG - SEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Project Manager: Tam McElwee email: tmcElwee@testamr.com

Telephone Number: 843.412.3097

Fax No: 343-879-0401

Sampler Name: (Print) *Pratt Shaw*

Sampler Signature: *[Signature]*

1027

**NUI3262**

10/10/11 23:59

Reservations  
 Method  
 10/10/11

Sample ID Description

Sample ID	Description	Date	Time	Temp	Method	10/10/11	10/11/11	10/12/11
1	159 Cypress -1	9/19/11	1300	5	X	X	X	X
2	159 Cypress -2	9/20/11	1115	5	X	X	X	X
3	400 Elderberry	9/21/11	1345	5	X	X	X	X
4	141 Laurel Bay -a	9/22/11	0915	5	X	X	X	X
5	153 Laurel Bay -a	9/22/11	0945	5	X	X	X	X
6	155 Laurel Bay -a	9/22/11	1045	5	X	X	X	X

Special Instructions:

Received by	Date	Time	Method of Shipment
<i>[Signature]</i>	9/23/11	1000	FedEx

9/24/11 0900

ATTACHMENT A



# NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1
3. Generator's Mailing Address: MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907	4. Generator's Phone 843-228-6461	Generator's Site Address (if different than mailing):	A. Manifest Number <b>WMNA</b> 00316817
			B. State Generator's ID
5. Transporter 1 Company Name EEG, INC.	6. US EPA ID Number	C. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number	D. Transporter's Phone 843-879-0411	
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936	10. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Phone	
11. Description of Waste Materials	12. Containers No. Type	13. Total Quantity	14. Unit Wt./Vol.
		I. Misc. Comments	
a. HEATING OIL TANKS FILLED WITH SAND  WM Profile # 102655SC			
b.  WM Profile #			
c.  WM Profile #			
d.  WM Profile #			
J. Additional Descriptions for Materials Listed Above	K. Disposal Location		
	Cell	Level	
	Grid		
15. Special Handling Instructions and Additional Information <i>LIST'S</i> <i>1) 134 BANYAN 2) 154 Laurel Bay ✓ 3) 153 Laurel Bay ✓ 4) 155 Laurel Bay ✓ 5) 14 Laurel Bay ✓ 6) 151 Laurel Bay ✓ 7) 159 Cypress-2 ✓</i>			
Purchase Order #	EMERGENCY CONTACT / PHONE NO.:		
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.			
Printed Name <i>W.R. Baldwin</i>	Signature "On behalf of" <i>[Signature]</i>	Month 09	Day 21
		Year 11	
17. Transporter 1 Acknowledgement of Receipt of Materials			
Printed Name <i>James BALDWIN</i>	Signature <i>[Signature]</i>	Month 09	Day 22
		Year 11	
18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed Name	Signature	Month	Day
		Year	
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.			
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.			
Printed Name <i>Tom Cotfield</i>	Signature <i>[Signature]</i>	Month 9	Day 22
		Year 11	

GENERATOR

TRANSPORTER

FACILITY

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY  
Pink- FACILITY USE ONLY

Blue- GENERATOR #2 COPY  
Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY

# UST Certificate of Disposal

## CONTRACTOR

Small Business Group, Inc.  
10179 Highway 78  
Ladson, SC 29456

TEL (843) 879-0403  
FAX (843) 879-0401

## TANK ID & LOCATION

UST 159Cypress-1, 159 Cypress Street, Laurel Bay Housing Area, MCAS Beaufort, S.C.

## DISPOSAL LOCATION

Coastal Auto Salvage Co., Inc.  
130 Laurel Bay Road  
Beaufort, S.C. 29906

### TYPE OF TANK

### SIZE (GAL)

Steel

280

## CLEANING/DISPOSAL METHOD

The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

## DISPOSAL CERTIFICATION

I certify that the above tank, piping and equipment has been properly cleaned and disposed of.



(Name)

10/13/11

(Date)

**Appendix C**  
**Laboratory Analytical Report - Groundwater**

# Volatile Organic Compounds by GC/MS

Client: <b>AECOM - Resolution Consultants</b>	Laboratory ID: <b>SC08036-004</b>
Description: <b>BEALB159TW02WG20170306</b>	Matrix: <b>Aqueous</b>
Date Sampled: <b>03/06/2017 1640</b>	
Date Received: <b>03/08/2017</b>	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/09/2017 1126	PMV		36622

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
<b>Naphthalene</b>	<b>91-20-3</b>	<b>8260B</b>	<b>2.3</b>		<b>1.0</b>	<b>0.80</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		108	85-114
Dibromofluoromethane		102	80-119
1,2-Dichloroethane-d4		96	81-118
Toluene-d8		98	89-112

PQL = Practical quantitation limit      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      H = Out of holding time      Q = Surrogate failure  
 ND = Not detected at or above the MDL      J = Estimated result < PQL and ≥ MDL      P = The RPD between two GC columns exceeds 40%      N = Recovery is out of criteria      L = LCS/LCSD failure  
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"      S = MS/MSD failure

Shealy Environmental Services, Inc.  
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Semivolatile Organic Compounds by GC/MS

Client: <b>AECOM - Resolution Consultants</b>	Laboratory ID: <b>SC08036-004</b>
Description: <b>BEALB159TW02WG20170306</b>	Matrix: <b>Aqueous</b>
Date Sampled: <b>03/06/2017 1640</b>	
Date Received: <b>03/08/2017</b>	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/16/2017 1958	RBH	03/09/2017 1736	36656

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		67	44-120
2-Fluorobiphenyl		64	44-119
Terphenyl-d14		76	50-134

PQL = Practical quantitation limit      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      H = Out of holding time      Q = Surrogate failure  
 ND = Not detected at or above the MDL      J = Estimated result < PQL and ≥ MDL      P = The RPD between two GC columns exceeds 40%      N = Recovery is out of criteria      L = LCS/LCSD failure  
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"      S = MS/MSD failure

**Appendix D**  
**Regulatory Correspondence**



August 24, 2016

Commanding Officer  
Attention: NREAO Mr. William A. Drawdy  
United State Marine Corps Air Station  
Post Office Box 55001  
Beaufort, SC 29904-5001

RE: IGWA  
Laurel Bay Underground Tank Assessment Reports

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (the Department) received the Underground Storage Tanks (USTs) Assessment Reports for the addresses listed in the attachment. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

The Department has reviewed the referenced reports. The submitted analytical results indicate that petroleum constituents are above established Risk-Based Screening Levels and additional investigation is warranted. Specifically, the Department requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at these sites.

Please note that the Department's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, the Department retains the right to request further investigation if deemed necessary.

If you have any questions, please contact me at [petruslb@dhec.sc.gov](mailto:petruslb@dhec.sc.gov) or 803-898-0294.

Sincerely,

Laurel Petrus, Environmental Engineer Associate  
RCRA Federal Facilities Section

Cc: Russell Berry, EQC Region 8 (via email)  
Shawn Dolan, Resolution Consultants (via email)  
Bryan Beck, NAVFAC MIDATLANTIC (via email)  
Craig Ehde (via email)

Attachment to: Petrus to Drawdy, August 24, 2016  
Subject: IGWA, Laurel Bay Underground Tank Assessment Reports

Draft Final Initial Groundwater Investigation Report for (41 addresses)

Monitoring Well Investigation Recommendation	
122 Banyan	905 Barracuda
159 Cypress Tank 2	921 Barracuda
221 Cypress	935 Albacore
283 Birch Tank 2	946 Albacore
328 Ash Tank 2	1037 Iris
346 Ash	1039 Iris
359 Aspen	1110 Iris
370 Aspen	1134 Iris
377 Aspen	1143 Iris
409 Elderberry	1202 Cardinal
486 Laurel Bay	1212 Cardinal
515 Laurel Bay	1222 Cardinal
542 Laurel Bay	1224 Cardinal
593 Aster	1226 Dove
630 Dahlia	1236 Dove
693 Camellia	1245 Dove
723 Blue Bell	1247 Dove
774 Althea	1274 Albatross
860 Dolphin	1319 Albatross
873 Cobia	1337 Albatross
883 Cobia	



July 27, 2017

Commanding Officer  
Attention: NREAO Mr. William A. Drawdy  
United State Marine Corps Air Station  
Post Office Box 55001  
Beaufort, SC 29904-5001

RE: Draft Final Initial Groundwater Investigation Report, February and March 2017

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received groundwater data from temporary monitoring well installations in the Draft Final Groundwater Investigation Report, Laurel Bay Military Housing Area for the fifty two (52) addresses shown in the attachment. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per DHEC's request, groundwater samples were collected from the attached referenced addresses. DHEC reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent groundwater monitoring wells should be installed at the three (3) stated addresses. For the remaining forty nine (49) addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

Please note that DHEC's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, DHEC retains the right to request further investigation if deemed necessary.

If you have any questions, please contact me at [petruslb@dhec.sc.gov](mailto:petruslb@dhec.sc.gov) or 803-898-0294.

Sincerely,

Laurel Petrus, Environmental Engineer Associate  
Bureau of Land and Waste Management

Cc: Russell Berry, EQC Region 8  
Shawn Dolan, Resolution Consultants  
Bryan Beck, NAVFAC MIDLANT

Attachment to: Petrus to Drawdy Dated July 27, 2017

Draft Final Initial Groundwater Investigation Report for (52 addresses)

Permanent Well Installation recommendation (3 Addresses):

---

- 254 Beech Street (110 ug/L)
- 268 Beech Street (28 ug/L)
- 774 Althea Street (35 ug/L)

No Further Action recommendation (49 addresses):

- 113 Birch Drive
- 121 Banyan Drive
- 122 Banyan Drive
- 159 Cypress Street
- 221 Cypress Street
- 274 Birch Drive
- 279 Birch Drive
- 283 Birch Drive
- 328 Ash Street
- 346 Ash Street
- 359 Aspen Street
- 370 Aspen Street
- 377 Aspen Street
- 409 Elderberry Drive
- 465 Dogwood Drive
- 480 Laurel Bay Boulevard
- 486 Laurel Bay Boulevard
- 515 Laurel Bay Boulevard
- 542 Laurel Bay Boulevard
- 593 Aster Street
- 630 Dahlia Drive
- 641 Dahlia Drive
- 693 Camelia Drive
- 723 Bluebell Lane
- 860 Dolphin Street
- 873 Cobia Drive
- 883 Cobia Drive
- 905 Barracuda Drive
- 921 Barracuda Drive
- 935 Albacore Street
- 946 Albacore Street
- 1037 Iris Lane
- 1039 Iris Lane
- 1110 Iris Lane
- 1134 Iris Lane
- 1143 Iris Lane
- 1177 Bobwhite Drive
- 1202 Cardinal Lane
- 1212 Cardinal Lane
- 1222 Cardinal Lane
- 1224 Cardinal Lane
- 1226 Dove Lane
- 1236 Dove Lane
- 1245 Dove Lane
- 1247 Dove Lane
- 1274 Albatross Drive
- 1319 Albatross Drive
- 1337 Albatross Drive
- 1346 Cardinal Lane