

SUMMARY REPORT  
204 BANYAN DRIVE (FORMERLY 134 BANYAN DRIVE)  
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

JUNE 2021

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Prepared by:



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

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

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### List of Acronyms

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CTO	Contract Task Order
COPC	constituents of potential concern
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 204 Banyan Drive (Formerly 134 Banyan Drive). 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

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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*

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*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 204 Banyan Drive (Formerly 134 Banyan Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 134 Banyan Drive* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix B.

### 2.1 UST Removal and Soil Sampling

On August 31, 2011, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the driveway at 204 Banyan Drive (Formerly 134 Banyan Drive). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). 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 depth to the base of the UST was 5'6" bgs and a single soil sample was collected from that depth. The

sample was collected from the fill port side of the former UST 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 204 Banyan Drive (Formerly 134 Banyan Drive) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

## 3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 204 Banyan Drive (Formerly 134 Banyan Drive). This NFA determination was obtained in a letter dated July 1, 2015. SCDHEC's NFA letter is provided in Appendix C.

## 4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 134 Banyan Drive, Laurel Bay Military Housing Area*, December 2011.

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.

## Table

**Table 1**  
**Laboratory Analytical Results - Soil**  
**204 Banyan Drive (Formerly 134 Banyan Drive)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Results Sample Collected 08/31/11
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)</b>		
Benzene	0.003	ND
Ethylbenzene	1.15	<b>0.00181</b>
Naphthalene	0.036	<b>0.00816</b>
Toluene	0.627	ND
Xylenes, Total	13.01	ND
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)</b>		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	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

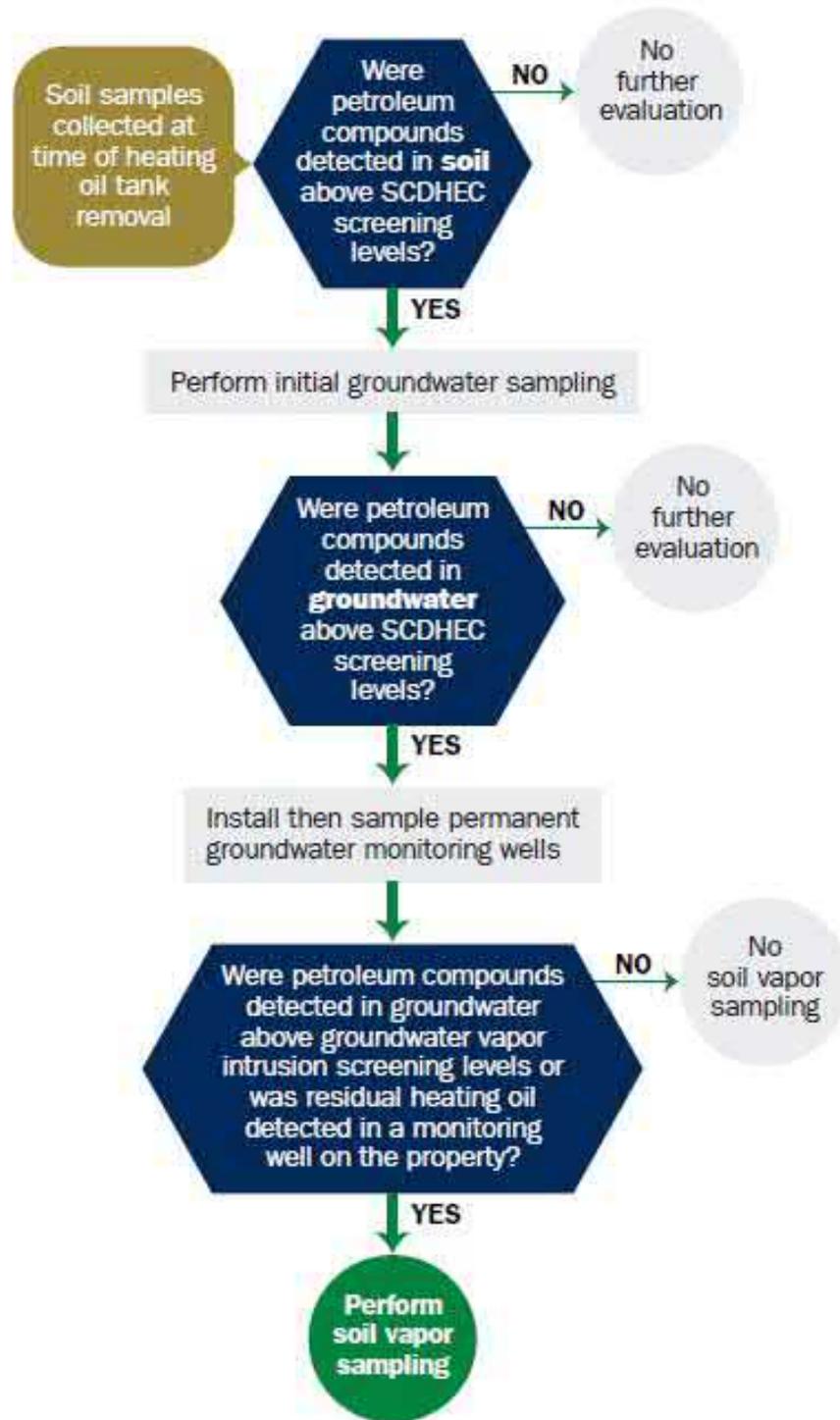
mg/kg - milligram per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

**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>  State Use Only
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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	
134 Banyan Drive, 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.....

134Banyan		
Heating oil		
280 gal		
Late 1950s		
Steel		
Mid 80s		
5'6"		
No		
No		
Removed		
8/31/2011		
Yes		
Yes		

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)  
UST 134Banyan 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)  
UST 134Banyan had been 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 present throughout the tank.

## VII. PIPING INFORMATION

- A. Construction Material..(ex. Steel, FRP).....
- B. Distance from UST to Dispenser.....
- C. Number of Dispensers.....
- D. Type of System Pressure or Suction.....
- E. Was Piping Removed from the Ground? Y/N
- F. Visible Corrosion or Pitting Y/N.....
- G. Visible Holes Y/N.....
- H. Age.....
- I. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.

134Banyan		
Steel & Copper		
N/A		
N/A		
Suction		
No		
Yes		
No		
Late 1950s		

Steel vent piping for was 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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## 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 #
134 Banyan	Excav at fill end	Soil	Sandy-clay	5'6"	8/31/11 1145 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

\* = Depth Below the Surrounding Land Surface

## XI. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect and store the samples. Also include the preservative used for each sample. Please use the space provided below.

Sampling was performed in accordance with SC DHEC R.61-92 Part 280 and SC DHEC Assessment Guidelines. Sample containers were prepared by the testing laboratory. The grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Soil samples were extracted from area below tank. The samples were marked, logged, and immediately placed in a sample cooler packed with ice to maintain an approximate temperature of 4 degrees Centigrade. Tools were thoroughly cleaned and decontaminated with the seven step decon process after each use. The samples remained in custody of SBG-EEG, Inc. until they were transferred to Test America Incorporated for analysis as documented in the Chain of Custody Record.

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## XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?  <span style="margin-left: 100px;">*Approx 620' to Broad River</span>                      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?  <span style="margin-left: 100px;">*Sewer, water, electricity, cable &amp; fiber optic</span>                      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

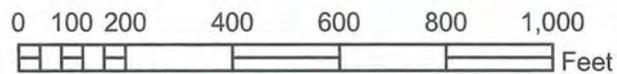
### **XIII. SITE MAP**

**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)



**134 BANYAN DR.**



**SBG-EEG, Inc.**

398 E. 5th North Street, Suite C  
Summerville SC 29483-6954

Ph. (843) 875-1930

Drawn By: L. DiAsio

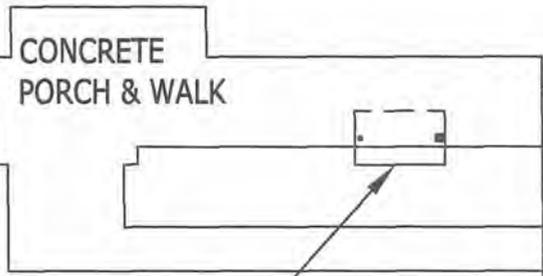
Dwg Date: SEPT 2011

**FIGURE 1: LOCATION MAP  
134 BANYAN DRIVE  
LAUREL BAY, BEAUFORT SC**

BROAD RIVER ≈ 620'



134 BANYAN DRIVE  
LAUREL BAY MILITARY HOUSING  
MCAS BEAUFORT, SC

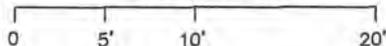


CONCRETE  
PORCH & WALK

UST 134BANYAN  
280 GAL.

ASPHALT  
DRIVEWAY

GRAPHIC SCALE



**SBG-EEG**

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

FIGURE 2 SITE MAP  
134 BANYAN DR., LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE SEPT 2011

134 BANYAN DRIVE

BROAD RIVER ≈ 620'



UST 134BANYAN  
280 GAL.



FILL END

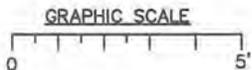
EARTH

EXCAVATION

CONCRETE WALK

GRASS

SOIL SAMPLE  
134 BANYAN



DEPTH BELOW GRADE:  
UST 134BANYAN = 30"

**SBG-EEG**

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

FIGURE 3 UST SAMPLE LOCATIONS  
134 BANYAN DR., LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE SEPT 2011



Picture 1: UST 134Banyan location.



Picture 2: UST 134Banyan.

**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.

<b>CoC</b>	UST	134Banyan					
<b>Benzene</b>		ND					
<b>Toluene</b>		ND					
<b>Ethylbenzene</b>		0.00181 mg/kg					
<b>Xylenes</b>		ND					
<b>Naphthalene</b>		0.00816 mg/kg					
<b>Benzo (a) anthracene</b>		ND					
<b>Benzo (b) fluoranthene</b>		ND					
<b>Benzo (k) fluoranthene</b>		ND					
<b>Chrysene</b>		ND					
<b>Dibenz (a, h) anthracene</b>		ND					
<b>TPH (EPA 3550)</b>							

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

**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: NUI0587

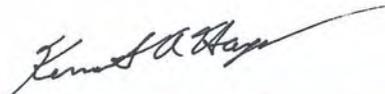
Client Project/Site: [none]

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:  
09/15/2011 05:34:44 PM

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# Sample Summary

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

TestAmerica Job ID: NUI0587

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUI0587-01	131 Banyan-1	Soil	08/29/11 11:15	09/03/11 08:10
NUI0587-02	134 Banyan	Soil	08/31/11 11:45	09/03/11 08:10
NUI0587-03	154 Laurel Bay	Soil	09/01/11 12:30	09/03/11 08:10

## Definitions/Glossary

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

TestAmerica Job ID: NUI0587

### Qualifiers

#### GCMS Volatiles

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.

#### 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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit 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: NUI0587

**Client Sample ID: 131 Banyan-1**

**Lab Sample ID: NUI0587-01**

Date Collected: 08/29/11 11:15

Matrix: Soil

Date Received: 09/03/11 08:10

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00199	0.00109	mg/kg dry	☼	08/29/11 11:15	09/09/11 17:10	1.00
Ethylbenzene	0.00154	J	0.00199	0.00109	mg/kg dry	☼	08/29/11 11:15	09/09/11 17:10	1.00
Naphthalene	0.00283	J	0.00496	0.00248	mg/kg dry	☼	08/29/11 11:15	09/09/11 17:10	1.00
Toluene	ND		0.00199	0.00109	mg/kg dry	☼	08/29/11 11:15	09/09/11 17:10	1.00
Xylenes, total	ND		0.00496	0.00248	mg/kg dry	☼	08/29/11 11:15	09/09/11 17:10	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	104		70 - 130				08/29/11 11:15	09/09/11 17:10	1.00
Dibromofluoromethane	97		70 - 130				08/29/11 11:15	09/09/11 17:10	1.00
Toluene-d8	107		70 - 130				08/29/11 11:15	09/09/11 17:10	1.00
4-Bromofluorobenzene	101		70 - 130				08/29/11 11:15	09/09/11 17:10	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Acenaphthylene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Anthracene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Benzo (a) anthracene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Benzo (a) pyrene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Benzo (b) fluoranthene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Benzo (g,h,i) perylene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Benzo (k) fluoranthene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Chrysene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Dibenz (a,h) anthracene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Fluoranthene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Fluorene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Naphthalene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Phenanthrene	0.113		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
Pyrene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
1-Methylnaphthalene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	1.00
2-Methylnaphthalene	ND		0.0866	0.0440	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:27	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	96		18 - 120				09/07/11 07:05	09/08/11 12:27	1.00
2-Fluorobiphenyl	75		14 - 120				09/07/11 07:05	09/08/11 12:27	1.00
Nitrobenzene-d5	78		17 - 120				09/07/11 07:05	09/08/11 12:27	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	75.3		0.500	0.500	%		09/07/11 11:34	09/08/11 08:08	1.00

# Client Sample Results

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

TestAmerica Job ID: NUI0587

**Client Sample ID: 134 Banyan**

**Lab Sample ID: NUI0587-02**

Date Collected: 08/31/11 11:45

Matrix: Soil

Date Received: 09/03/11 08:10

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00214	0.00118	mg/kg dry	☼	08/31/11 11:45	09/09/11 17:42	1.00
Ethylbenzene	0.00181	J	0.00214	0.00118	mg/kg dry	☼	08/31/11 11:45	09/09/11 17:42	1.00
Naphthalene	0.00816		0.00534	0.00267	mg/kg dry	☼	08/31/11 11:45	09/09/11 17:42	1.00
Toluene	ND		0.00214	0.00118	mg/kg dry	☼	08/31/11 11:45	09/09/11 17:42	1.00
Xylenes, total	ND		0.00534	0.00267	mg/kg dry	☼	08/31/11 11:45	09/09/11 17:42	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	08/31/11 11:45	09/09/11 17:42	1.00
Dibromofluoromethane	95		70 - 130	08/31/11 11:45	09/09/11 17:42	1.00
Toluene-d8	107		70 - 130	08/31/11 11:45	09/09/11 17:42	1.00
4-Bromofluorobenzene	104		70 - 130	08/31/11 11:45	09/09/11 17:42	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Acenaphthylene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Anthracene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Benzo (a) anthracene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Benzo (a) pyrene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Benzo (b) fluoranthene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Benzo (g,h,i) perylene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Benzo (k) fluoranthene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Chrysene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Dibenz (a,h) anthracene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Fluoranthene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Fluorene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Naphthalene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Phenanthrene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
Pyrene	ND		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
1-Methylnaphthalene	0.0742	J	0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00
2-Methylnaphthalene	0.0894		0.0828	0.0420	mg/kg dry	☼	09/07/11 07:05	09/08/11 12:49	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	108		18 - 120	09/07/11 07:05	09/08/11 12:49	1.00
2-Fluorobiphenyl	82		14 - 120	09/07/11 07:05	09/08/11 12:49	1.00
Nitrobenzene-d5	81		17 - 120	09/07/11 07:05	09/08/11 12:49	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	80.6		0.500	0.500	%		09/07/11 11:34	09/08/11 08:08	1.00

## Client Sample Results

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

TestAmerica Job ID: NUI0587

**Client Sample ID: 154 Laurel Bay**

**Lab Sample ID: NUI0587-03**

Date Collected: 09/01/11 12:30

Matrix: Soil

Date Received: 09/03/11 08:10

Percent Solids: 87

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00220	0.00121	mg/kg dry	☼	09/01/11 12:30	09/09/11 18:12	1.00
Ethylbenzene	ND		0.00220	0.00121	mg/kg dry	☼	09/01/11 12:30	09/09/11 18:12	1.00
<b>Naphthalene</b>	<b>0.00848</b>		0.00550	0.00275	mg/kg dry	☼	09/01/11 12:30	09/09/11 18:12	1.00
Toluene	ND		0.00220	0.00121	mg/kg dry	☼	09/01/11 12:30	09/09/11 18:12	1.00
Xylenes, total	ND		0.00550	0.00275	mg/kg dry	☼	09/01/11 12:30	09/09/11 18:12	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130	09/01/11 12:30	09/09/11 18:12	1.00
Dibromofluoromethane	96		70 - 130	09/01/11 12:30	09/09/11 18:12	1.00
Toluene-d8	109		70 - 130	09/01/11 12:30	09/09/11 18:12	1.00
4-Bromofluorobenzene	115		70 - 130	09/01/11 12:30	09/09/11 18:12	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Acenaphthylene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Anthracene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Benzo (a) anthracene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Benzo (a) pyrene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Benzo (b) fluoranthene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Benzo (g,h,i) perylene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Benzo (k) fluoranthene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Chrysene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Dibenz (a,h) anthracene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Fluoranthene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
<b>Fluorene</b>	<b>0.0591</b>	<b>J</b>	0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Naphthalene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
<b>Phenanthrene</b>	<b>0.141</b>		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
Pyrene	ND		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
<b>1-Methylnaphthalene</b>	<b>0.165</b>		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00
<b>2-Methylnaphthalene</b>	<b>0.260</b>		0.0766	0.0389	mg/kg dry	☼	09/07/11 07:05	09/08/11 13:11	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	64		18 - 120	09/07/11 07:05	09/08/11 13:11	1.00
2-Fluorobiphenyl	50		14 - 120	09/07/11 07:05	09/08/11 13:11	1.00
Nitrobenzene-d5	43		17 - 120	09/07/11 07:05	09/08/11 13:11	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	87.0		0.500	0.500	%		09/07/11 11:34	09/08/11 08:08	1.00

## QC Sample Results

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

TestAmerica Job ID: NUI0587

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

**Lab Sample ID: 1112288-BLK1**

**Matrix: Soil**

**Analysis Batch: U016288**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 1112288\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.00200	0.00110	mg/kg wet		09/09/11 12:03	09/09/11 14:37	1.00
Ethylbenzene	ND		0.00200	0.00110	mg/kg wet		09/09/11 12:03	09/09/11 14:37	1.00
Naphthalene	ND		0.00500	0.00250	mg/kg wet		09/09/11 12:03	09/09/11 14:37	1.00
Toluene	ND		0.00200	0.00110	mg/kg wet		09/09/11 12:03	09/09/11 14:37	1.00
Xylenes, total	ND		0.00500	0.00250	mg/kg wet		09/09/11 12:03	09/09/11 14:37	1.00

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	114		70 - 130	09/09/11 12:03	09/09/11 14:37	1.00
Dibromofluoromethane	105		70 - 130	09/09/11 12:03	09/09/11 14:37	1.00
Toluene-d8	104		70 - 130	09/09/11 12:03	09/09/11 14:37	1.00
4-Bromofluorobenzene	96		70 - 130	09/09/11 12:03	09/09/11 14:37	1.00

**Lab Sample ID: 1112288-BLK2**

**Matrix: Soil**

**Analysis Batch: U016288**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 1112288\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.100	0.0550	mg/kg wet		09/09/11 12:03	09/09/11 15:07	50.0
Ethylbenzene	ND		0.100	0.0550	mg/kg wet		09/09/11 12:03	09/09/11 15:07	50.0
Naphthalene	ND		0.250	0.125	mg/kg wet		09/09/11 12:03	09/09/11 15:07	50.0
Toluene	ND		0.100	0.0550	mg/kg wet		09/09/11 12:03	09/09/11 15:07	50.0
Xylenes, total	ND		0.250	0.125	mg/kg wet		09/09/11 12:03	09/09/11 15:07	50.0

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	113		70 - 130	09/09/11 12:03	09/09/11 15:07	50.0
Dibromofluoromethane	106		70 - 130	09/09/11 12:03	09/09/11 15:07	50.0
Toluene-d8	104		70 - 130	09/09/11 12:03	09/09/11 15:07	50.0
4-Bromofluorobenzene	96		70 - 130	09/09/11 12:03	09/09/11 15:07	50.0

**Lab Sample ID: 1112288-BS1**

**Matrix: Soil**

**Analysis Batch: U016288**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total**

**Prep Batch: 1112288\_P**

Analyte	Spike Added	LCS		Unit	D	% Rec	Limits
		Result	Qualifier				
Benzene	50.0	48.3		ug/kg		97	75 - 127
Ethylbenzene	50.0	46.7		ug/kg		93	80 - 134
Naphthalene	50.0	42.0		ug/kg		84	69 - 150
Toluene	50.0	48.9		ug/kg		98	80 - 132
Xylenes, total	150	141		ug/kg		94	80 - 137

Surrogate	LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	111		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8	105		70 - 130
4-Bromofluorobenzene	94		70 - 130

## QC Sample Results

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

TestAmerica Job ID: NUI0587

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

**Lab Sample ID: 1112288-MS1**

**Matrix: Soil**

**Analysis Batch: U016288**

**Client Sample ID: Matrix Spike**

**Prep Type: Total**

**Prep Batch: 1112288\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	% Rec	% Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	ND		0.0428	0.0468		mg/kg wet		109	31 - 143
Ethylbenzene	ND		0.0428	0.0480		mg/kg wet		112	23 - 161
Naphthalene	ND		0.0428	0.0295		mg/kg wet		69	10 - 176
Toluene	ND		0.0428	0.0491		mg/kg wet		115	30 - 155
Xylenes, total	ND		0.128	0.143		mg/kg wet		111	25 - 162

Surrogate	Matrix Spike	Matrix Spike	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	104		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8	107		70 - 130
4-Bromofluorobenzene	100		70 - 130

**Lab Sample ID: 1112288-MSD1**

**Matrix: Soil**

**Analysis Batch: U016288**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total**

**Prep Batch: 1112288\_P**

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		0.0439	0.0461		mg/kg wet		105	31 - 143	2	50
Ethylbenzene	ND		0.0439	0.0471		mg/kg wet		107	23 - 161	2	50
Naphthalene	ND		0.0439	0.0275		mg/kg wet		63	10 - 176	7	50
Toluene	ND		0.0439	0.0490		mg/kg wet		112	30 - 155	0.3	50
Xylenes, total	ND		0.132	0.141		mg/kg wet		107	25 - 162	2	50

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	104		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	109		70 - 130
4-Bromofluorobenzene	100		70 - 130

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

**Lab Sample ID: 1110836-BLK1**

**Matrix: Soil**

**Analysis Batch: 1110836**

**Client Sample ID: Method Blank**

**Prep Type: Total**

**Prep Batch: 1110836\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Acenaphthylene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Anthracene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Benzo (a) anthracene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Benzo (a) pyrene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Chrysene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Fluoranthene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Fluorene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00

# QC Sample Results

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

TestAmerica Job ID: NUI0587

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

**Lab Sample ID: 11I0836-BLK1**  
**Matrix: Soil**  
**Analysis Batch: 11I0836**

**Client Sample ID: Method Blank**  
**Prep Type: Total**  
**Prep Batch: 11I0836\_P**

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Phenanthrene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
Pyrene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
1-Methylnaphthalene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00
2-Methylnaphthalene	ND		0.0670	0.0340	mg/kg wet		09/07/11 07:05	09/07/11 16:39	1.00

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Terphenyl-d14	102		18 - 120	09/07/11 07:05	09/07/11 16:39	1.00
2-Fluorobiphenyl	79		14 - 120	09/07/11 07:05	09/07/11 16:39	1.00
Nitrobenzene-d5	95		17 - 120	09/07/11 07:05	09/07/11 16:39	1.00

**Lab Sample ID: 11I0836-BS1**  
**Matrix: Soil**  
**Analysis Batch: 11I0836**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total**  
**Prep Batch: 11I0836\_P**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.
		Result	Qualifier				
Acenaphthene	1.67	1.43		mg/kg wet		86	36 - 120
Acenaphthylene	1.67	1.36		mg/kg wet		82	38 - 120
Anthracene	1.67	1.54		mg/kg wet		92	46 - 124
Benzo (a) anthracene	1.67	1.55		mg/kg wet		93	45 - 120
Benzo (a) pyrene	1.67	1.64		mg/kg wet		98	45 - 120
Benzo (b) fluoranthene	1.67	1.54		mg/kg wet		93	42 - 120
Benzo (g,h,i) perylene	1.67	1.38		mg/kg wet		83	38 - 120
Benzo (k) fluoranthene	1.67	1.62		mg/kg wet		97	42 - 120
Chrysene	1.67	1.51		mg/kg wet		91	43 - 120
Dibenz (a,h) anthracene	1.67	1.42		mg/kg wet		85	32 - 128
Fluoranthene	1.67	1.61		mg/kg wet		96	46 - 120
Fluorene	1.67	1.55		mg/kg wet		93	42 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.41		mg/kg wet		84	41 - 121
Naphthalene	1.67	1.35		mg/kg wet		81	32 - 120
Phenanthrene	1.67	1.50		mg/kg wet		90	45 - 120
Pyrene	1.67	1.51		mg/kg wet		90	43 - 120
1-Methylnaphthalene	1.67	1.12		mg/kg wet		67	32 - 120
2-Methylnaphthalene	1.67	1.31		mg/kg wet		79	28 - 120

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
Terphenyl-d14	101		18 - 120
2-Fluorobiphenyl	77		14 - 120
Nitrobenzene-d5	82		17 - 120

**Lab Sample ID: 11I0836-MS1**  
**Matrix: Soil**  
**Analysis Batch: 11I0836**

**Client Sample ID: 131 Banyan-1**  
**Prep Type: Total**  
**Prep Batch: 11I0836\_P**

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	% Rec	% Rec.
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	ND		2.20	1.78		mg/kg dry	☼	81	19 - 120
Acenaphthylene	ND		2.20	1.67		mg/kg dry	☼	76	25 - 120
Anthracene	ND		2.20	1.90		mg/kg dry	☼	86	28 - 125
Benzo (a) anthracene	ND		2.20	1.92		mg/kg dry	☼	87	23 - 120

## QC Sample Results

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

TestAmerica Job ID: NUI0587

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

Lab Sample ID: 11I0836-MS1				Client Sample ID: 131 Banyan-1							
Matrix: Soil				Prep Type: Total							
Analysis Batch: 11I0836				Prep Batch: 11I0836_P							
Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	% Rec	% Rec.	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Benzo (a) pyrene	ND		2.20	2.02		mg/kg dry	☼	92	15 - 128		
Benzo (b) fluoranthene	ND		2.20	1.84		mg/kg dry	☼	84	12 - 133		
Benzo (g,h,i) perylene	ND		2.20	1.73		mg/kg dry	☼	79	22 - 120		
Benzo (k) fluoranthene	ND		2.20	2.12		mg/kg dry	☼	96	28 - 120		
Chrysene	ND		2.20	1.88		mg/kg dry	☼	85	20 - 120		
Dibenz (a,h) anthracene	ND		2.20	1.78		mg/kg dry	☼	81	12 - 128		
Fluoranthene	ND		2.20	2.03		mg/kg dry	☼	92	10 - 143		
Fluorene	ND		2.20	1.94		mg/kg dry	☼	88	20 - 120		
Indeno (1,2,3-cd) pyrene	ND		2.20	1.77		mg/kg dry	☼	80	22 - 121		
Naphthalene	ND		2.20	1.66		mg/kg dry	☼	75	10 - 120		
Phenanthrene	0.113		2.20	1.94		mg/kg dry	☼	83	21 - 122		
Pyrene	ND		2.20	1.86		mg/kg dry	☼	85	20 - 123		
1-Methylnaphthalene	ND		2.20	1.38		mg/kg dry	☼	63	10 - 120		
2-Methylnaphthalene	ND		2.20	1.62		mg/kg dry	☼	74	13 - 120		
		<i>Matrix Spike</i>		<i>Matrix Spike</i>							
<i>Surrogate</i>	<i>% Recovery</i>		<i>Qualifier</i>		<i>Limits</i>						
<i>Terphenyl-d14</i>	91		18 - 120								
<i>2-Fluorobiphenyl</i>	67		14 - 120								
<i>Nitrobenzene-d5</i>	72		17 - 120								

Lab Sample ID: 11I0836-MSD1				Client Sample ID: 131 Banyan-1								
Matrix: Soil				Prep Type: Total								
Analysis Batch: 11I0836				Prep Batch: 11I0836_P								
Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec	% Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Acenaphthene	ND		2.15	2.04		mg/kg dry	☼	95	19 - 120	14	50	
Acenaphthylene	ND		2.15	1.90		mg/kg dry	☼	88	25 - 120	13	50	
Anthracene	ND		2.15	2.14		mg/kg dry	☼	99	28 - 125	12	49	
Benzo (a) anthracene	ND		2.15	2.11		mg/kg dry	☼	98	23 - 120	9	50	
Benzo (a) pyrene	ND		2.15	2.30		mg/kg dry	☼	107	15 - 128	13	50	
Benzo (b) fluoranthene	ND		2.15	2.21		mg/kg dry	☼	103	12 - 133	18	50	
Benzo (g,h,i) perylene	ND		2.15	1.94		mg/kg dry	☼	90	22 - 120	12	50	
Benzo (k) fluoranthene	ND		2.15	2.13		mg/kg dry	☼	99	28 - 120	0.9	45	
Chrysene	ND		2.15	2.10		mg/kg dry	☼	98	20 - 120	11	49	
Dibenz (a,h) anthracene	ND		2.15	1.99		mg/kg dry	☼	92	12 - 128	11	50	
Fluoranthene	ND		2.15	2.26		mg/kg dry	☼	105	10 - 143	11	50	
Fluorene	ND		2.15	2.24		mg/kg dry	☼	104	20 - 120	14	50	
Indeno (1,2,3-cd) pyrene	ND		2.15	1.96		mg/kg dry	☼	91	22 - 121	10	50	
Naphthalene	ND		2.15	1.85		mg/kg dry	☼	86	10 - 120	11	50	
Phenanthrene	0.113		2.15	2.19		mg/kg dry	☼	97	21 - 122	12	50	
Pyrene	ND		2.15	2.03		mg/kg dry	☼	95	20 - 123	9	50	
1-Methylnaphthalene	ND		2.15	1.57		mg/kg dry	☼	73	10 - 120	13	50	
2-Methylnaphthalene	ND		2.15	1.85		mg/kg dry	☼	86	13 - 120	13	50	
		<i>Matrix Spike Dup</i>		<i>Matrix Spike Dup</i>								
<i>Surrogate</i>	<i>% Recovery</i>		<i>Qualifier</i>		<i>Limits</i>							
<i>Terphenyl-d14</i>	100		18 - 120									
<i>2-Fluorobiphenyl</i>	75		14 - 120									
<i>Nitrobenzene-d5</i>	79		17 - 120									

# QC Sample Results

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

TestAmerica Job ID: NUI0587

## Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 1111030-DUP1

Matrix: Soil

Analysis Batch: 1111030

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 1111030\_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	Limit
% Dry Solids	64.2		62.9		%		2	20

## QC Association Summary

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

TestAmerica Job ID: NUI0587

### GCMS Volatiles

#### Analysis Batch: U016288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2288-BLK1	Method Blank	Total	Soil	SW846 8260B	11I2288_P
11I2288-BLK2	Method Blank	Total	Soil	SW846 8260B	11I2288_P
11I2288-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11I2288_P
11I2288-MS1	Matrix Spike	Total	Soil	SW846 8260B	11I2288_P
11I2288-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11I2288_P
NUI0587-01	131 Banyan-1	Total	Soil	SW846 8260B	11I2288_P
NUI0587-02	134 Banyan	Total	Soil	SW846 8260B	11I2288_P
NUI0587-03	154 Laurel Bay	Total	Soil	SW846 8260B	11I2288_P

#### Prep Batch: 11I2288\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2288-BLK1	Method Blank	Total	Soil	EPA 5035	
11I2288-BLK2	Method Blank	Total	Soil	EPA 5035	
11I2288-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11I2288-MS1	Matrix Spike	Total	Soil	EPA 5035	
11I2288-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUI0587-01	131 Banyan-1	Total	Soil	EPA 5035	
NUI0587-02	134 Banyan	Total	Soil	EPA 5035	
NUI0587-03	154 Laurel Bay	Total	Soil	EPA 5035	

### GCMS Semivolatiles

#### Analysis Batch: 11I0836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I0836-BLK1	Method Blank	Total	Soil	SW846 8270D	11I0836_P
11I0836-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11I0836_P
11I0836-MS1	131 Banyan-1	Total	Soil	SW846 8270D	11I0836_P
11I0836-MSD1	131 Banyan-1	Total	Soil	SW846 8270D	11I0836_P

#### Analysis Batch: U015828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUI0587-01	131 Banyan-1	Total	Soil	SW846 8270D	11I0836_P
NUI0587-02	134 Banyan	Total	Soil	SW846 8270D	11I0836_P
NUI0587-03	154 Laurel Bay	Total	Soil	SW846 8270D	11I0836_P

#### Prep Batch: 11I0836\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I0836-BLK1	Method Blank	Total	Soil	EPA 3550C	
11I0836-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11I0836-MS1	131 Banyan-1	Total	Soil	EPA 3550C	
11I0836-MSD1	131 Banyan-1	Total	Soil	EPA 3550C	
NUI0587-01	131 Banyan-1	Total	Soil	EPA 3550C	
NUI0587-02	134 Banyan	Total	Soil	EPA 3550C	
NUI0587-03	154 Laurel Bay	Total	Soil	EPA 3550C	

### Extractions

#### Analysis Batch: 11I1030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I1030-DUP1	Duplicate	Total	Soil	SW-846	11I1030_P
NUI0587-01	131 Banyan-1	Total	Soil	SW-846	11I1030_P
NUI0587-02	134 Banyan	Total	Soil	SW-846	11I1030_P

# QC Association Summary

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

TestAmerica Job ID: NUI0587

## Extractions (Continued)

### Analysis Batch: 1111030 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUI0587-03	154 Laurel Bay	Total	Soil	SW-846	1111030_P

### Prep Batch: 1111030\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1111030-DUP1	Duplicate	Total	Soil	% Solids	
NUI0587-01	131 Banyan-1	Total	Soil	% Solids	
NUI0587-02	134 Banyan	Total	Soil	% Solids	
NUI0587-03	154 Laurel Bay	Total	Soil	% Solids	

# Lab Chronicle

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

TestAmerica Job ID: NUI0587

## Client Sample ID: 131 Banyan-1

Lab Sample ID: NUI0587-01

Date Collected: 08/29/11 11:15

Matrix: Soil

Date Received: 09/03/11 08:10

Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.747	11I2288_P	08/29/11 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016288	09/09/11 17:10	KKK	TAL NSH
Total	Prep	EPA 3550C		0.973	11I0836_P	09/07/11 07:05	CAG	TAL NSH
Total	Analysis	SW846 8270D		1.00	U015828	09/08/11 12:27	BES	TAL NSH
Total	Prep	% Solids		1.00	11I1030_P	09/07/11 11:34	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11I1030	09/08/11 08:08	RRS	TAL NSH

## Client Sample ID: 134 Banyan

Lab Sample ID: NUI0587-02

Date Collected: 08/31/11 11:45

Matrix: Soil

Date Received: 09/03/11 08:10

Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.861	11I2288_P	08/31/11 11:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016288	09/09/11 17:42	KKK	TAL NSH
Total	Prep	EPA 3550C		0.996	11I0836_P	09/07/11 07:05	CAG	TAL NSH
Total	Analysis	SW846 8270D		1.00	U015828	09/08/11 12:49	BES	TAL NSH
Total	Prep	% Solids		1.00	11I1030_P	09/07/11 11:34	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11I1030	09/08/11 08:08	RRS	TAL NSH

## Client Sample ID: 154 Laurel Bay

Lab Sample ID: NUI0587-03

Date Collected: 09/01/11 12:30

Matrix: Soil

Date Received: 09/03/11 08:10

Percent Solids: 87

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.958	11I2288_P	09/01/11 12:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016288	09/09/11 18:12	KKK	TAL NSH
Total	Prep	EPA 3550C		0.995	11I0836_P	09/07/11 07:05	CAG	TAL NSH
Total	Analysis	SW846 8270D		1.00	U015828	09/08/11 13:11	BES	TAL NSH
Total	Prep	% Solids		1.00	11I1030_P	09/07/11 11:34	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11I1030	09/08/11 08:08	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: NUI0587

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<b>Method</b>	<b>Method Description</b>	<b>Protocol</b>	<b>Laboratory</b>
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)  
 Project/Site: [none]

TestAmerica Job ID: NUI0587

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	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
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	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
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.



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		Generator's Site Address (if different than mailing):		A. Manifest Number <b>WMNA</b> 00316817				
4. Generator's Phone      843-228-6461		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				
				G. State Facility ID				
				H. State Facility Phone      843-987-4643				
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity	14. Unit Wt./Vol.	1. Misc. Comments	
	a. HEATING OIL TANKS FILLED WITH SAND  WM Profile # 102655SC		No.	Type				
	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>UST's</i> <i>1) 134 BANYAN 2) 154 Laurel Bay 3) 153 Laurel Bay 4) 155 Laurel Bay 5) 141 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.E. Dulles, Jr.</i>		Signature "On behalf of" <i>[Signature]</i>			Month <i>09</i>	Day <i>21</i>	Year <i>11</i>	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials							
	Printed Name <i>James BALDWIN</i>		Signature <i>[Signature]</i>			Month <i>09</i>	Day <i>22</i>	Year <i>11</i>
	18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed Name		Signature			Month	Day	Year	
FACILITY	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>Toni Cotterell</i>		Signature <i>[Signature]</i>			Month <i>9</i>	Day <i>22</i>	Year <i>11</i>

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

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

Yellow- GENERATOR #1 COPY

**Appendix C**  
**Regulatory Correspondence**



Catherine E. Heigel, Director

*Promoting and protecting the health of the public and the environment*

July 1, 2015

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

RE: No Further Action  
Laurel Bay Underground Storage Tank Assessment Reports for:  
*See attached sheet*

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the referenced Underground Storage Tanks (USTs) Assessment Reports for the addresses listed above. 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 assessment reports and agrees there is no indication of soil or groundwater contamination on these properties, and therefore no further investigation is required at this time.

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 [kriegkm@dhec.sc.gov](mailto:kriegkm@dhec.sc.gov) or 803-898-0255.

Sincerely,

Kent Krieg  
Department of Defense Corrective Action Section  
Bureau of Land and Waste Management  
South Carolina Department of Health and Environmental Control

Cc: Russell Berry (via email)  
Craig Ehde (via email)  
Bryan Beck (via email)



Catherine E. Heigel, Director

*Promoting and protecting the health of the public and the environment*

**Attachment to:** Krieg to Drawdy  
 Subject: NFA  
 Dated 7/1/2015

**Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks)**

111 Birch	363 Aspen
123 Banyan	364 Aspen
131 Banyan	366 Aspen
134 Banyan	369 Aspen
145 Laurel Bay	373 Aspen
150 Laurel Bay	381 Aspen
153 Laurel Bay	401 Elderberry
154 Laurel Bay	402 Elderberry
155 Laurel Bay	404 Elderberry
200 Balsam	410 Elderberry
202 Balsam	420 Elderberry
203 Balsam	424 Elderberry
208 Balsam	435 Elderberry Tank 3
210 Balsam	452 Elderberry
211 Balsam	460 Elderberry
220 Cypress	465 Dogwood
222 Cypress	477 Laurel Bay
223 Cypress	487 Laurel Bay
252 Beech Tank 2	513 Laurel Bay
271 Beech Tank 1	519 Laurel Bay
271 Beech Tank 2	524 Laurel Bay
284 Birch Tank 1	535 Laurel Bay
284 Birch Tank 2	553 Dahlia
308 Ash	590 Aster
311 Ash	591 Aster
312 Ash	610 Dahlia
317 Ash	612 Dahlia
318 Ash	628 Dahlia
337 Ash	636 Dahlia
351 Ash Tank 1	637 Dahlia Tank 1
351 Ash Tank 2	637 Dahlia Tank 2
355 Ash Tank 1	641 Dahlia
355 Ash Tank 2	642 Dahlia Tank 1
360 Aspen	642 Dahlia Tank 2

**Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.**

655 Camellia	920 Albacore
662 Camellia	922 Barracuda Tank 1
683 Camellia	922 Barracuda Tank 2
684 Camellia	924 Albacore
689 Abelia	925 Albacore
694 Abelia	926 Albacore
695 Abelia	930 Albacore
741 Blue Bell	931 Albacore
742 Blue Bell	933 Albacore
755 Althea	936 Albacore
757 Althea	938 Albacore
776 Laurel Bay	939 Albacore
777 Azalea	940 Albacore
779 Laurel Bay	1010 Foxglove
781 Laurel Bay	1066 Gardenia
802 Azalea	1068 Gardenia
816 Azalea	1071 Heather Tank 2
822 Azalea	1100 Iris Tank 2
823 Azalea	1128 Iris
825 Azalea	1178 Bobwhite
828 Azalea	1204 Cardinal
837 Azalea	1208 Cardinal
851 Dolphin	1209 Cardinal
856 Dolphin	1210 Cardinal
857 Dolphin	1215 Cardinal
861 Dolphin	1216 Cardinal
864 Dolphin	1217 Cardinal Tank 1
868 Dolphin	1217 Cardinal Tank 2
872 Dolphin	1233 Dove
879 Cobia	1244 Dove
886 Cobia	1250 Dove
888 Cobia	1252 Dove
889 Cobia	1254 Dove
901 Barracuda	1256 Dove
902 Barracuda	1258 Dove
903 Barracuda	1263 Dove
904 Barracuda	1269 Dove
909 Barracuda	1276 Dove
910 Barracuda	1283 Dove
914 Barracuda	1285 Dove
915 Barracuda	1288 Eagle

**Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.**

1296 Eagle	1330 Albatross
1307 Eagle	1331 Albatross
1321 Albatross	1333 Albatross
1322 Albatross	1334 Albatross
1327 Albatross	1335 Albatross
1328 Albatross	