

SUMMARY REPORT
103 DOLPHIN STREET (FORMERLY 860 DOLPHIN 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

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
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 103 Dolphin Street (Formerly 860 Dolphin 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 103 Dolphin Street (Formerly 860 Dolphin Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 860 Dolphin 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

On July 21, 2011, a single 280 gallon heating oil UST was removed from the side grassed area adjacent to the rear concrete patio at 103 Dolphin Street (Formerly 860 Dolphin Street). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was 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 depth to the base of the UST was 6'0" 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 103 Dolphin Street (Formerly 860 Dolphin 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 103 Dolphin Street (Formerly 860 Dolphin 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 February 28, 2017, a temporary monitoring well was installed at 103 Dolphin Street (Formerly 860 Dolphin 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 location is indicated on 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 103 Dolphin Street (Formerly 860 Dolphin 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 UST 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 103 Dolphin Street (Formerly 860 Dolphin 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 – 860 Dolphin 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
103 Dolphin Street (Formerly 860 Dolphin Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 07/21/11
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	0.0560
Benzo(b)fluoranthene	0.66	0.0770
Benzo(k)fluoranthene	0.66	0.0563
Chrysene	0.66	0.0859
Dibenz(a,h)anthracene	0.66	ND

Notes:

⁽¹⁾ 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
103 Dolphin Street (Formerly 860 Dolphin Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 02/28/17
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	ND
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
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:

⁽¹⁾ 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).

⁽²⁾ 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 1×10^{-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

Date Received

State Use Only

RECEIVED

DEC 08 2011

SC DHEC - Bureau of
Land & Waste Management

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

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	
860 Dolphin 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.....

860Dolphin				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
6'				
No				
No				
Removed				
7/21/11				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 860Dolphin 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 860Dolphin 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 found 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.

860Dolphin				
Steel & Copper				
N/A				
N/A				
Suction				
No				
Yes				
No				
Late 1950s				

Corrosion and pitting were found on the surface of the steel vent pipe. Copper supply and return lines 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 #
860 Dolphin	Excav at fill end	Soil	Sandy	6'	7/21/11 1115 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.

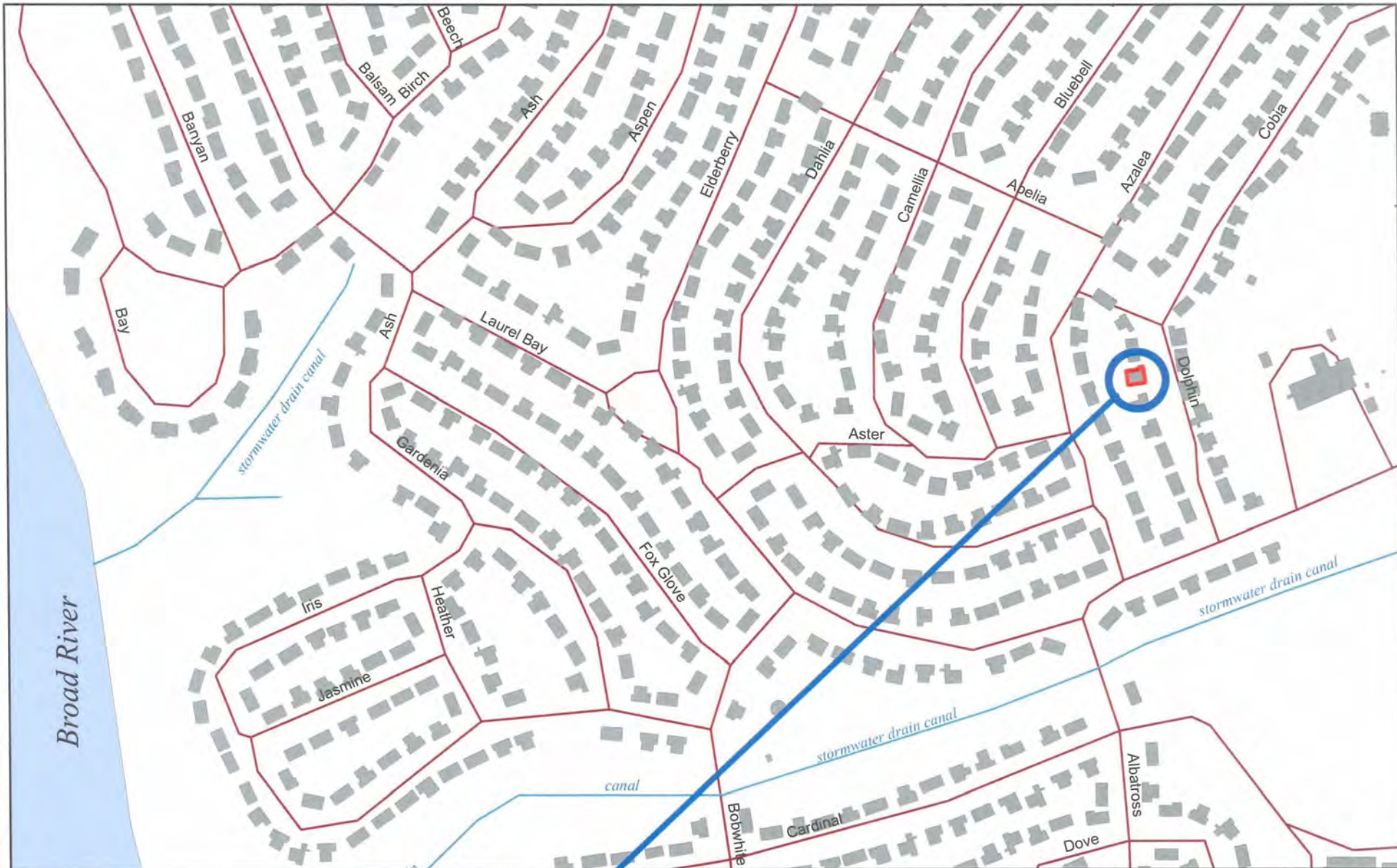
XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Stormwater drainage canal ~ 715' 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, electricity cable & 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)



860 DOLPHIN ST.

SBG-EEG, Inc.

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

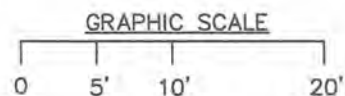
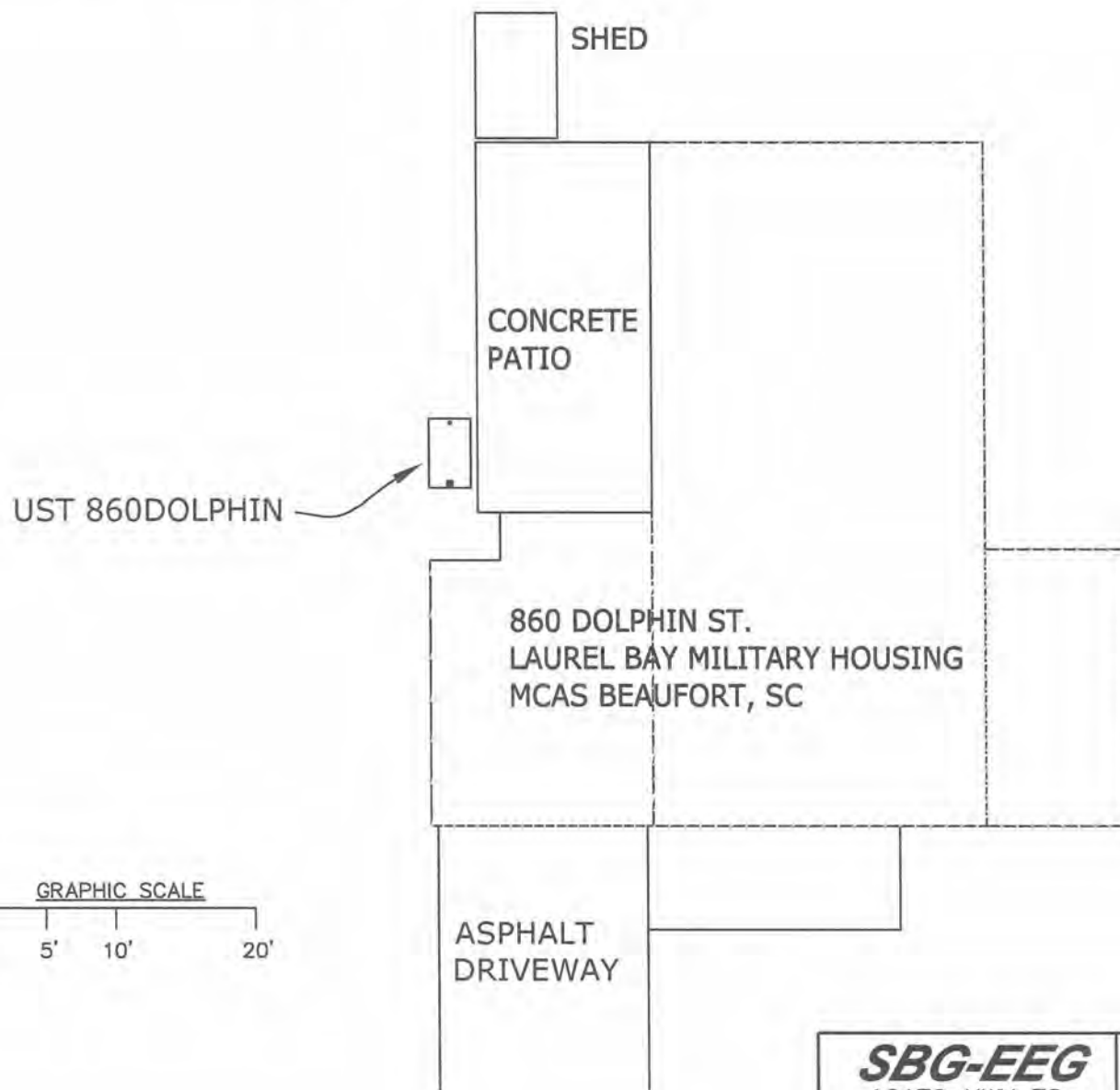
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: AUG 2011

FIGURE 1: LOCATION MAP
860 DOLPHIN ST.
LAUREL BAY, BEAUFORT SC

← STORMWATER CANAL ≈ 715'



SBG-EEG
10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
860 DOLPHIN ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE AUG 2011

← STORMWATER CANAL ≈ 715'

CONCRETE PATIO

GRASS

UST 860DOLPHIN,
280 GAL.

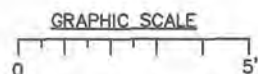
SOIL SAMPLE
860 DOLPHIN

FILL END

SUPPLY & RETURN PPG

CARPORT

REAR OF
860 DOLPHIN ST.



UST 860DOLPHIN WAS
36" BELOW GRADE.

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
860 DOLPHIN ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE AUG 2011



Picture 1: Location of UST 860Dolphin.



Picture 2: UST 860Dolphin excavation in progress.

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	860Dolphin						
Benzene		ND						
Toluene		ND						
Ethylbenzene		ND						
Xylenes		ND						
Naphthalene		ND						
Benzo (a) anthracene		0.0560 mg/kg						
Benzo (b) fluoranthene		0.0770 mg/kg						
Benzo (k) fluoranthene		0.0563 mg/kg						
Chrysene		0.0859 mg/kg						
Dibenz (a, h) anthracene		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: NUG3402

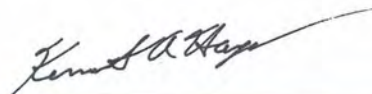
Client Project/Site: [none]

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:
08/05/2011 06:02:55 PM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

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



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Sample Summary

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

TestAmerica Job ID: NUG3402

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUG3402-01	333 Ash	Soil	07/18/11 13:15	07/23/11 08:30
NUG3402-02	311 Ash	Soil	07/19/11 12:00	07/23/11 08:30
NUG3402-03	524 Laurel Bay	Soil	07/20/11 10:45	07/23/11 08:30
NUG3402-04	860 Dolphin	Soil	07/21/11 11:15	07/23/11 08:30

Definitions/Glossary

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

TestAmerica Job ID: NUG3402

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
RL1	Reporting limit raised due to sample matrix effects.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

GCMS Semivolatiles

Qualifier	Qualifier Description
A-01	No MS/MSD reported due to internal standard failure. Batch accepted based on LCS results.
I	Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

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

TestAmerica Job ID: NUG3402

Client Sample ID: 333 Ash

Date Collected: 07/18/11 13:15

Date Received: 07/23/11 08:30

Lab Sample ID: NUG3402-01

Matrix: Soil

Percent Solids: 84.7

5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00173	0.000951	mg/kg dry	☐	07/18/11 13:15	07/29/11 20:46	1.00
Ethylbenzene	0.0547		0.00173	0.000847	mg/kg dry	☐	07/18/11 13:15	07/29/11 20:46	1.00
Toluene	0.00491		0.00173	0.000770	mg/kg dry	☐	07/18/11 13:15	07/29/11 20:46	1.00
Xylenes, total	0.201		0.00432	0.00164	mg/kg dry	☐	07/18/11 13:15	07/29/11 20:46	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	110		67 - 138				07/18/11 13:15	07/29/11 20:46	1.00
Dibromofluoromethane	106		75 - 125				07/18/11 13:15	07/29/11 20:46	1.00
Toluene-d8	147	ZX	76 - 129				07/18/11 13:15	07/29/11 20:46	1.00
4-Bromofluorobenzene	732	ZX	67 - 147				07/18/11 13:15	07/29/11 20:46	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	0.526		0.234	0.0796	mg/kg dry	☐	07/18/11 13:15	08/01/11 16:40	50.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		67 - 138				07/18/11 13:15	08/01/11 16:40	50.0
Dibromofluoromethane	98		75 - 125				07/18/11 13:15	08/01/11 16:40	50.0
Toluene-d8	105		76 - 129				07/18/11 13:15	08/01/11 16:40	50.0
4-Bromofluorobenzene	114		67 - 147				07/18/11 13:15	08/01/11 16:40	50.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0770	0.0161	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Acenaphthylene	ND		0.0770	0.0230	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Anthracene	ND		0.0770	0.0103	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Benzo (a) anthracene	ND		0.0770	0.0126	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Benzo (a) pyrene	ND		0.0770	0.00920	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Benzo (b) fluoranthene	ND		0.0770	0.0437	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Benzo (g,h,i) perylene	ND		0.0770	0.0103	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Benzo (k) fluoranthene	ND		0.0770	0.0425	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Chrysene	0.0747	J	0.0770	0.0356	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Dibenz (a,h) anthracene	ND		0.0770	0.0172	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Fluoranthene	ND		0.0770	0.0126	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Fluorene	ND		0.0770	0.0230	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0770	0.0356	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Naphthalene	ND		0.0770	0.0161	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Phenanthrene	ND		0.0770	0.0115	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Pyrene	ND		0.0770	0.0264	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
1-Methylnaphthalene	ND		0.0770	0.0138	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
2-Methylnaphthalene	ND		0.0770	0.0241	mg/kg dry	☐	07/29/11 09:15	07/29/11 19:22	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	146	ZX	18 - 120				07/29/11 09:15	07/29/11 19:22	1.00
2-Fluorobiphenyl	121	ZX	14 - 120				07/29/11 09:15	07/29/11 19:22	1.00
Nitrobenzene-d5	86		17 - 120				07/29/11 09:15	07/29/11 19:22	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	84.7		0.500	0.500	%	☐	08/02/11 16:00	08/03/11 09:06	1.00

TestAmerica Nashville

Client Sample Results

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

TestAmerica Job ID: NUG3402

Client Sample ID: 311 Ash

Date Collected: 07/19/11 12:00

Date Received: 07/23/11 08:30

Lab Sample ID: NUG3402-02

Matrix: Soil

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00219	0.00120	mg/kg dry	☒	07/19/11 12:00	08/01/11 15:08	1.00
Ethylbenzene	ND		0.00219	0.00107	mg/kg dry	☒	07/19/11 12:00	08/01/11 15:08	1.00
Naphthalene	ND		0.00547	0.00186	mg/kg dry	☒	07/19/11 12:00	08/01/11 15:08	1.00
Toluene	ND		0.00219	0.000973	mg/kg dry	☒	07/19/11 12:00	08/01/11 15:08	1.00
Xylenes, total	ND		0.00547	0.00208	mg/kg dry	☒	07/19/11 12:00	08/01/11 15:08	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	107		67 - 138	07/19/11 12:00	08/01/11 15:08	1.00
Dibromofluoromethane	101		75 - 125	07/19/11 12:00	08/01/11 15:08	1.00
Toluene-d8	107		76 - 129	07/19/11 12:00	08/01/11 15:08	1.00
4-Bromofluorobenzene	126		67 - 147	07/19/11 12:00	08/01/11 15:08	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0735	0.0154	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Acenaphthylene	ND		0.0735	0.0219	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Anthracene	ND		0.0735	0.00987	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Benzo (a) anthracene	ND		0.0735	0.0121	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Benzo (a) pyrene	ND		0.0735	0.00878	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Benzo (b) fluoranthene	ND		0.0735	0.0417	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Benzo (g,h,i) perylene	ND		0.0735	0.00987	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Benzo (k) fluoranthene	ND		0.0735	0.0406	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Chrysene	ND		0.0735	0.0340	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Dibenz (a,h) anthracene	ND		0.0735	0.0165	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Fluoranthene	ND		0.0735	0.0121	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Fluorene	ND		0.0735	0.0219	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0735	0.0340	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Naphthalene	ND		0.0735	0.0154	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Phenanthrene	ND		0.0735	0.0110	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
Pyrene	ND		0.0735	0.0252	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
1-Methylnaphthalene	ND		0.0735	0.0132	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00
2-Methylnaphthalene	ND		0.0735	0.0230	mg/kg dry	☒	07/29/11 09:15	07/29/11 19:41	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	95		18 - 120	07/29/11 09:15	07/29/11 19:41	1.00
2-Fluorobiphenyl	71		14 - 120	07/29/11 09:15	07/29/11 19:41	1.00
Nitrobenzene-d5	67		17 - 120	07/29/11 09:15	07/29/11 19:41	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	89.3		0.500	0.500	%	☒	08/02/11 16:00	08/03/11 09:06	1.00

5

Client Sample Results

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

TestAmerica Job ID: NUG3402

Client Sample ID: 524 Laurel Bay

Lab Sample ID: NUG3402-03

Date Collected: 07/20/11 10:45

Matrix: Soil

Date Received: 07/23/11 08:30

Percent Solids: 89

5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00217	0.00120	mg/kg dry	☐	07/20/11 10:45	07/29/11 21:49	1.00
Ethylbenzene	ND		0.00217	0.00106	mg/kg dry	☐	07/20/11 10:45	07/29/11 21:49	1.00
Naphthalene	ND		0.00543	0.00185	mg/kg dry	☐	07/20/11 10:45	07/29/11 21:49	1.00
Toluene	ND		0.00217	0.000967	mg/kg dry	☐	07/20/11 10:45	07/29/11 21:49	1.00
Xylenes, total	ND		0.00543	0.00206	mg/kg dry	☐	07/20/11 10:45	07/29/11 21:49	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		67 - 138	07/20/11 10:45	07/29/11 21:49	1.00
Dibromofluoromethane	93		75 - 125	07/20/11 10:45	07/29/11 21:49	1.00
Toluene-d8	104		76 - 129	07/20/11 10:45	07/29/11 21:49	1.00
4-Bromofluorobenzene	110		67 - 147	07/20/11 10:45	07/29/11 21:49	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0734	0.0153	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Acenaphthylene	ND		0.0734	0.0219	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Anthracene	ND		0.0734	0.00985	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Benzo (a) anthracene	ND		0.0734	0.0120	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Benzo (a) pyrene	ND		0.0734	0.00876	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Benzo (b) fluoranthene	ND		0.0734	0.0416	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Benzo (g,h,i) perylene	ND		0.0734	0.00985	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Benzo (k) fluoranthene	ND		0.0734	0.0405	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Chrysene	ND		0.0734	0.0339	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Dibenz (a,h) anthracene	ND		0.0734	0.0164	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Fluoranthene	ND		0.0734	0.0120	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Fluorene	ND		0.0734	0.0219	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0734	0.0339	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Naphthalene	ND		0.0734	0.0153	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Phenanthrene	ND		0.0734	0.0109	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
Pyrene	ND		0.0734	0.0252	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
1-Methylnaphthalene	ND		0.0734	0.0131	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00
2-Methylnaphthalene	ND		0.0734	0.0230	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:00	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	94		18 - 120	07/29/11 09:15	07/29/11 20:00	1.00
2-Fluorobiphenyl	70		14 - 120	07/29/11 09:15	07/29/11 20:00	1.00
Nitrobenzene-d5	67		17 - 120	07/29/11 09:15	07/29/11 20:00	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	89.0		0.500	0.500	%	☐	08/02/11 16:00	08/03/11 09:06	1.00

TestAmerica Nashville

Client Sample Results

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

TestAmerica Job ID: NUG3402

Client Sample ID: 860 Dolphin

Date Collected: 07/21/11 11:15

Date Received: 07/23/11 08:30

Lab Sample ID: NUG3402-04

Matrix: Soil

Percent Solids: 95.2

5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00248	0.00136	mg/kg dry	☐	07/21/11 11:15	07/29/11 22:20	1.00
Ethylbenzene	ND		0.00248	0.00121	mg/kg dry	☐	07/21/11 11:15	07/29/11 22:20	1.00
Toluene	ND		0.00248	0.00110	mg/kg dry	☐	07/21/11 11:15	07/29/11 22:20	1.00
Xylenes, total	ND		0.00619	0.00235	mg/kg dry	☐	07/21/11 11:15	07/29/11 22:20	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	98		67 - 138	07/21/11 11:15	07/29/11 22:20	1.00
Dibromofluoromethane	96		75 - 125	07/21/11 11:15	07/29/11 22:20	1.00
Toluene-d8	112		76 - 129	07/21/11 11:15	07/29/11 22:20	1.00
4-Bromofluorobenzene	144		67 - 147	07/21/11 11:15	07/29/11 22:20	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	ND	RL1	0.309	0.105	mg/kg dry	☐	07/21/11 11:15	08/01/11 16:09	50.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		67 - 138	07/21/11 11:15	08/01/11 16:09	50.0
Dibromofluoromethane	97		75 - 125	07/21/11 11:15	08/01/11 16:09	50.0
Toluene-d8	100		76 - 129	07/21/11 11:15	08/01/11 16:09	50.0
4-Bromofluorobenzene	101		67 - 147	07/21/11 11:15	08/01/11 16:09	50.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0682	0.0143	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Acenaphthylene	0.133		0.0682	0.0204	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Anthracene	ND		0.0682	0.00916	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Benzo (a) anthracene	0.0560	J	0.0682	0.0112	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Benzo (a) pyrene	ND		0.0682	0.00815	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Benzo (b) fluoranthene	0.0770		0.0682	0.0387	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Benzo (g,h,i) perylene	ND		0.0682	0.00916	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Benzo (k) fluoranthene	0.0563	J	0.0682	0.0377	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Chrysene	0.0859		0.0682	0.0316	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Dibenz (a,h) anthracene	ND		0.0682	0.0153	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Fluoranthene	ND		0.0682	0.0112	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Fluorene	ND		0.0682	0.0204	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0682	0.0316	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Naphthalene	ND		0.0682	0.0143	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Phenanthrene	ND		0.0682	0.0102	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
Pyrene	0.576		0.0682	0.0234	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
1-Methylnaphthalene	ND		0.0682	0.0122	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00
2-Methylnaphthalene	ND		0.0682	0.0214	mg/kg dry	☐	07/29/11 09:15	07/29/11 20:20	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	118		18 - 120	07/29/11 09:15	07/29/11 20:20	1.00
2-Fluorobiphenyl	71		14 - 120	07/29/11 09:15	07/29/11 20:20	1.00
Nitrobenzene-d5	68		17 - 120	07/29/11 09:15	07/29/11 20:20	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	95.2		0.500	0.500	%	☐	08/02/11 16:00	08/03/11 09:06	1.00

TestAmerica Nashville

08/05/2011

QC Sample Results

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

TestAmerica Job ID: NUG3402

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

Lab Sample ID: 11G5603-BLK1

Matrix: Soil

Analysis Batch: U013553

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G5603_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		07/25/11 08:54	07/29/11 13:35	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		07/25/11 08:54	07/29/11 13:35	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		07/25/11 08:54	07/29/11 13:35	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		07/25/11 08:54	07/29/11 13:35	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		07/25/11 08:54	07/29/11 13:35	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		67 - 138	07/25/11 08:54	07/29/11 13:35	1.00
Dibromofluoromethane	96		75 - 125	07/25/11 08:54	07/29/11 13:35	1.00
Toluene-d8	107		76 - 129	07/25/11 08:54	07/29/11 13:35	1.00
4-Bromofluorobenzene	103		67 - 147	07/25/11 08:54	07/29/11 13:35	1.00

Lab Sample ID: 11G5603-BS1

Matrix: Soil

Analysis Batch: U013553

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G5603_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	45.9		ug/kg		92	78 - 126
Ethylbenzene	50.0	50.9		ug/kg		102	79 - 130
Naphthalene	50.0	47.2		ug/kg		94	72 - 150
Toluene	50.0	47.4		ug/kg		95	76 - 126
Xylenes, total	150	152		ug/kg		101	80 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	97		67 - 138
Dibromofluoromethane	98		75 - 125
Toluene-d8	105		76 - 129
4-Bromofluorobenzene	105		67 - 147

Lab Sample ID: 11G5603-MS1

Matrix: Soil

Analysis Batch: U013553

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11G5603_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		0.0520	0.0470		mg/kg dry		90	42 - 141
Ethylbenzene	0.0107		0.0520	0.0556		mg/kg dry	☐	86	21 - 165
Naphthalene	0.00185		0.0520	0.0483		mg/kg dry	☐	89	10 - 160
Toluene	0.00478		0.0520	0.0504		mg/kg dry	☐	88	45 - 145
Xylenes, total	0.0591		0.156	0.176		mg/kg dry	☐	75	31 - 159

Surrogate	Matrix Spike % Recovery	Matrix Spike Qualifier	Limits
1,2-Dichloroethane-d4	92		67 - 138
Dibromofluoromethane	93		75 - 125
Toluene-d8	107		76 - 129
4-Bromofluorobenzene	108		67 - 147

TestAmerica Nashville

QC Sample Results

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

TestAmerica Job ID: NUG3402

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

Lab Sample ID: 11G5603-MSD1

Matrix: Soil

Analysis Batch: U013553

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11G5603_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0541	0.0497		mg/kg dry	☒	92	42 - 141	5	50
Ethylbenzene	0.0107		0.0541	0.0580		mg/kg dry	☒	87	21 - 165	4	50
Naphthalene	0.00185		0.0541	0.0509		mg/kg dry	☒	91	10 - 160	5	50
Toluene	0.00478		0.0541	0.0525		mg/kg dry	☒	88	45 - 145	4	50
Xylenes, total	0.0591		0.162	0.184		mg/kg dry	☒	77	31 - 159	5	50

Matrix Spike Dup Matrix Spike Dup

Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4	94		67 - 138
Dibromofluoromethane	95		75 - 125
Toluene-d8	108		76 - 129
4-Bromofluorobenzene	104		67 - 147

Lab Sample ID: 11H0262-BLK1

Matrix: Soil

Analysis Batch: U013656

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11H0262_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		08/01/11 00:16	08/01/11 14:06	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		08/01/11 00:16	08/01/11 14:06	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		08/01/11 00:16	08/01/11 14:06	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		08/01/11 00:16	08/01/11 14:06	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		08/01/11 00:16	08/01/11 14:06	1.00

Blank Blank

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		67 - 138	08/01/11 00:16	08/01/11 14:06	1.00
Dibromofluoromethane	104		75 - 125	08/01/11 00:16	08/01/11 14:06	1.00
Toluene-d8	99		76 - 129	08/01/11 00:16	08/01/11 14:06	1.00
4-Bromofluorobenzene	101		67 - 147	08/01/11 00:16	08/01/11 14:06	1.00

Lab Sample ID: 11H0262-BLK2

Matrix: Soil

Analysis Batch: U013656

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11H0262_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0550	mg/kg wet		08/01/11 00:16	08/01/11 14:37	50.0
Ethylbenzene	ND		0.100	0.0490	mg/kg wet		08/01/11 00:16	08/01/11 14:37	50.0
Naphthalene	ND		0.250	0.0850	mg/kg wet		08/01/11 00:16	08/01/11 14:37	50.0
Toluene	ND		0.100	0.0445	mg/kg wet		08/01/11 00:16	08/01/11 14:37	50.0
Xylenes, total	ND		0.250	0.0950	mg/kg wet		08/01/11 00:16	08/01/11 14:37	50.0

Blank Blank

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	96		67 - 138	08/01/11 00:16	08/01/11 14:37	50.0
Dibromofluoromethane	99		75 - 125	08/01/11 00:16	08/01/11 14:37	50.0
Toluene-d8	101		76 - 129	08/01/11 00:16	08/01/11 14:37	50.0
4-Bromofluorobenzene	97		67 - 147	08/01/11 00:16	08/01/11 14:37	50.0

TestAmerica Nashville

QC Sample Results

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

TestAmerica Job ID: NUG3402

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

Lab Sample ID: 11H0262-BS1

Matrix: Soil

Analysis Batch: U013656

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11H0262_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	58.4		ug/kg		117	78 - 126
Ethylbenzene	50.0	60.4		ug/kg		121	79 - 130
Naphthalene	50.0	58.3		ug/kg		117	72 - 150
Toluene	50.0	57.3		ug/kg		115	76 - 126
Xylenes, total	150	181		ug/kg		121	80 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	115		67 - 138
Dibromofluoromethane	102		75 - 125
Toluene-d8	101		76 - 129
4-Bromofluorobenzene	102		67 - 147

Lab Sample ID: 11H0262-MS1

Matrix: Soil

Analysis Batch: U013656

Client Sample ID: 311 Ash

Prep Type: Total

Prep Batch: 11H0262_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		0.0554	0.0567		mg/kg dry		102	42 - 141
Ethylbenzene	ND		0.0554	0.0602		mg/kg dry		109	21 - 165
Naphthalene	ND		0.0554	0.0232		mg/kg dry		42	10 - 160
Toluene	ND		0.0554	0.0627		mg/kg dry		113	45 - 145
Xylenes, total	ND		0.166	0.173		mg/kg dry		104	31 - 159

Surrogate	Matrix Spike % Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	109		67 - 138
Dibromofluoromethane	102		75 - 125
Toluene-d8	109		76 - 129
4-Bromofluorobenzene	128		67 - 147

Lab Sample ID: 11H0262-MSD1

Matrix: Soil

Analysis Batch: U013656

Client Sample ID: 311 Ash

Prep Type: Total

Prep Batch: 11H0262_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0549	0.0523		mg/kg dry		95	42 - 141	8	50
Ethylbenzene	ND		0.0549	0.0538		mg/kg dry		98	21 - 165	11	50
Naphthalene	ND		0.0549	0.0183		mg/kg dry		33	10 - 160	23	50
Toluene	ND		0.0549	0.0570		mg/kg dry		104	45 - 145	10	50
Xylenes, total	ND		0.165	0.154		mg/kg dry		94	31 - 159	11	50

Surrogate	Matrix Spike Dup % Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	109		67 - 138
Dibromofluoromethane	100		75 - 125
Toluene-d8	110		76 - 129
4-Bromofluorobenzene	127		67 - 147

TestAmerica Nashville

QC Sample Results

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

TestAmerica Job ID: NUG3402

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

Lab Sample ID: 11G5742-BLK1

Matrix: Soil

Analysis Batch: 11G5742

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G5742_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0140	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Acenaphthylene	ND		0.0670	0.0200	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Anthracene	ND		0.0670	0.00900	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Benzo (a) anthracene	ND		0.0670	0.0110	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Benzo (a) pyrene	ND		0.0670	0.00800	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0380	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.00900	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0370	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Chrysene	ND		0.0670	0.0310	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0150	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Fluoranthene	ND		0.0670	0.0110	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Fluorene	ND		0.0670	0.0200	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0310	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Naphthalene	ND		0.0670	0.0140	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Phenanthrene	ND		0.0670	0.0100	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
Pyrene	ND		0.0670	0.0230	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
1-Methylnaphthalene	ND		0.0670	0.0120	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00
2-Methylnaphthalene	ND		0.0670	0.0210	mg/kg wet		07/29/11 09:15	07/29/11 18:04	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		18 - 120	07/29/11 09:15	07/29/11 18:04	1.00
2-Fluorobiphenyl	78		14 - 120	07/29/11 09:15	07/29/11 18:04	1.00
Nitrobenzene-d5	79		17 - 120	07/29/11 09:15	07/29/11 18:04	1.00

Lab Sample ID: 11G5742-BS1

Matrix: Soil

Analysis Batch: 11G5742

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G5742_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.67	1.53	A-01	mg/kg wet		92	49 - 120
Acenaphthylene	1.67	1.57	A-01	mg/kg wet		94	52 - 120
Anthracene	1.67	1.67	A-01	mg/kg wet		100	58 - 120
Benzo (a) anthracene	1.67	1.63	A-01	mg/kg wet		98	57 - 120
Benzo (a) pyrene	1.67	1.75	A-01	mg/kg wet		105	55 - 120
Benzo (b) fluoranthene	1.67	1.93	A-01	mg/kg wet		116	51 - 123
Benzo (g,h,i) perylene	1.67	1.50	A-01	mg/kg wet		90	49 - 121
Benzo (k) fluoranthene	1.67	1.37	A-01	mg/kg wet		82	42 - 129
Chrysene	1.67	1.54	A-01	mg/kg wet		93	55 - 120
Dibenz (a,h) anthracene	1.67	1.54	A-01	mg/kg wet		92	50 - 123
Fluoranthene	1.67	1.69	A-01	mg/kg wet		101	58 - 120
Fluorene	1.67	1.63	A-01	mg/kg wet		98	54 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.53	A-01	mg/kg wet		92	50 - 122
Naphthalene	1.67	1.71	A-01	mg/kg wet		103	28 - 120
Phenanthrene	1.67	1.62	A-01	mg/kg wet		97	56 - 120
Pyrene	1.67	1.60	A-01	mg/kg wet		96	56 - 120
1-Methylnaphthalene	1.67	1.30		mg/kg wet		78	36 - 120
2-Methylnaphthalene	1.67	1.56		mg/kg wet		94	36 - 120

TestAmerica Nashville

QC Sample Results

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

TestAmerica Job ID: NUG3402

Project/Site: [none]

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

Lab Sample ID: 11G5742-BS1

Matrix: Soil

Analysis Batch: 11G5742

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G5742_P

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Terphenyl-d14	100		18 - 120
2-Fluorobiphenyl	82		14 - 120
Nitrobenzene-d5	80		17 - 120

Lab Sample ID: 11G5742-MS1

Matrix: Soil

Analysis Batch: 11G5742

Client Sample ID: 333 Ash

Prep Type: Total

Prep Batch: 11G5742_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	Limits
Acenaphthene	ND		1.93	60.8	I	mg/kg dry	☐	3160	42 - 120
Acenaphthylene	ND		1.93	2.43	I	mg/kg dry	☐	126	32 - 120
Anthracene	ND		1.93	44.5	I	mg/kg dry	☐	2310	10 - 200
Benzo (a) anthracene	ND		1.93	1.69	I	mg/kg dry	☐	88	41 - 120
Benzo (a) pyrene	ND		1.93	1.73	I	mg/kg dry	☐	90	33 - 121
Benzo (b) fluoranthene	ND		1.93	1.71	I	mg/kg dry	☐	88	26 - 137
Benzo (g,h,i) perylene	ND		1.93	1.47	I	mg/kg dry	☐	76	21 - 124
Benzo (k) fluoranthene	ND		1.93	1.78	I	mg/kg dry	☐	92	14 - 140
Chrysene	0.0747	J	1.93	1.81	I	mg/kg dry	☐	90	28 - 123
Dibenz (a,h) anthracene	ND		1.93	1.52	I	mg/kg dry	☐	79	25 - 127
Fluoranthene	ND		1.93	28.3	I	mg/kg dry	☐	1470	38 - 120
Fluorene	ND		1.93	4.66	I	mg/kg dry	☐	242	41 - 120
Indeno (1,2,3-cd) pyrene	ND		1.93	1.51	I	mg/kg dry	☐	78	25 - 123
Naphthalene	ND		1.93	2.73	I	mg/kg dry	☐	142	25 - 120
Phenanthrene	ND		1.93	7.91	I	mg/kg dry	☐	410	37 - 120
Pyrene	ND		1.93	3.01	I	mg/kg dry	☐	156	29 - 125
1-Methylnaphthalene	ND		1.93	1.68	I	mg/kg dry	☐	87	19 - 120
2-Methylnaphthalene	ND		1.93	1.83	I	mg/kg dry	☐	95	11 - 120

Surrogate	Matrix Spike % Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	110	I	18 - 120
2-Fluorobiphenyl	1710	I	14 - 120
Nitrobenzene-d5	71	I	17 - 120

Lab Sample ID: 11G5742-MSD1

Matrix: Soil

Analysis Batch: 11G5742

Client Sample ID: 333 Ash

Prep Type: Total

Prep Batch: 11G5742_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	Limits	RPD	RPD Limit
Acenaphthene	ND		1.92	178	I	mg/kg dry	☐	9280	42 - 120	98	40
Acenaphthylene	ND		1.92	4.99	I	mg/kg dry	☐	261	32 - 120	69	30
Anthracene	ND		1.92	3.29	I	mg/kg dry	☐	172	10 - 200	173	50
Benzo (a) anthracene	ND		1.92	2.02	I	mg/kg dry	☐	106	41 - 120	18	30
Benzo (a) pyrene	ND		1.92	2.18	I	mg/kg dry	☐	114	33 - 121	23	33
Benzo (b) fluoranthene	ND		1.92	4.04	I	mg/kg dry	☐	211	26 - 137	81	42
Benzo (g,h,i) perylene	ND		1.92	1.90	I	mg/kg dry	☐	99	21 - 124	25	32
Benzo (k) fluoranthene	ND		1.92	4.21	I	mg/kg dry	☐	220	14 - 140	81	39
Chrysene	0.0747	J	1.92	2.16	I	mg/kg dry	☐	109	28 - 123	18	34
Dibenz (a,h) anthracene	ND		1.92	1.95	I	mg/kg dry	☐	102	25 - 127	25	31
Fluoranthene	ND		1.92	2.44	I	mg/kg dry	☐	127	38 - 120	168	35

TestAmerica Nashville

QC Sample Results

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

TestAmerica Job ID: NUG3402

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

Lab Sample ID: 11G5742-MSD1

Matrix: Soil

Analysis Batch: 11G5742

Client Sample ID: 333 Ash

Prep Type: Total

Prep Batch: 11G5742_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec	% Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Fluorene	ND		1.92	14.2	I	mg/kg dry	☉	742	41 - 120	101	37	
Indeno (1,2,3-cd) pyrene	ND		1.92	1.94	I	mg/kg dry	☉	101	25 - 123	25	32	
Naphthalene	ND		1.92	3.16	I	mg/kg dry	☉	165	25 - 120	15	42	
Phenanthrene	ND		1.92	0.500	I	mg/kg dry	☉	26	37 - 120	176	32	
Pyrene	ND		1.92	3.61	I	mg/kg dry	☉	188	29 - 125	18	40	
1-Methylnaphthalene	ND		1.92	1.98	I	mg/kg dry	☉	104	19 - 120	16	45	
2-Methylnaphthalene	ND		1.92	2.09	I	mg/kg dry	☉	109	11 - 120	13	50	

Surrogate	Matrix Spike Dup		Matrix Spike Dup	
	% Recovery	Qualifier	Limits	
Terphenyl-d14	133	I	18 - 120	
2-Fluorobiphenyl	4890	I	14 - 120	
Nitrobenzene-d5	83	I	17 - 120	

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11H0326-DUP1

Matrix: Soil

Analysis Batch: 11H0326

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 11H0326_P

Analyte	Sample	Sample	Duplicate	Duplicate	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
% Dry Solids	86.9		87.2		%		0.3	20

QC Association Summary

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

TestAmerica Job ID: NUG3402

GCMS Volatiles

Analysis Batch: U013553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G5603-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11G5603_P
11G5603-BLK1	Method Blank	Total	Soil	SW846 8260B	11G5603_P
NUG3402-01	333 Ash	Total	Soil	SW846 8260B	11G5603_P
NUG3402-03	524 Laurel Bay	Total	Soil	SW846 8260B	11G5603_P
NUG3402-04	860 Dolphin	Total	Soil	SW846 8260B	11G5603_P
11G5603-MS1	Matrix Spike	Total	Soil	SW846 8260B	11G5603_P
11G5603-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11G5603_P

Analysis Batch: U013656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0262-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11H0262_P
11H0262-BLK1	Method Blank	Total	Soil	SW846 8260B	11H0262_P
11H0262-BLK2	Method Blank	Total	Soil	SW846 8260B	11H0262_P
NUG3402-02 - RE1	311 Ash	Total	Soil	SW846 8260B	11H0262_P
NUG3402-04 - RE1	860 Dolphin	Total	Soil	SW846 8260B	11H0262_P
NUG3402-01 - RE1	333 Ash	Total	Soil	SW846 8260B	11H0262_P
11H0262-MS1	311 Ash	Total	Soil	SW846 8260B	11H0262_P
11H0262-MSD1	311 Ash	Total	Soil	SW846 8260B	11H0262_P

Prep Batch: 11G5603_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G5603-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11G5603-BLK1	Method Blank	Total	Soil	EPA 5035	
NUG3402-01	333 Ash	Total	Soil	EPA 5035	
NUG3402-03	524 Laurel Bay	Total	Soil	EPA 5035	
NUG3402-04	860 Dolphin	Total	Soil	EPA 5035	
11G5603-MS1	Matrix Spike	Total	Soil	EPA 5035	
11G5603-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	

Prep Batch: 11H0262_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0262-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11H0262-BLK1	Method Blank	Total	Soil	EPA 5035	
11H0262-BLK2	Method Blank	Total	Soil	EPA 5035	
NUG3402-02 - RE1	311 Ash	Total	Soil	EPA 5035	
NUG3402-04 - RE1	860 Dolphin	Total	Soil	EPA 5035	
NUG3402-01 - RE1	333 Ash	Total	Soil	EPA 5035	
11H0262-MS1	311 Ash	Total	Soil	EPA 5035	
11H0262-MSD1	311 Ash	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 11G5742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G5742-BLK1	Method Blank	Total	Soil	SW846 8270D	11G5742_P
11G5742-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11G5742_P
11G5742-MS1	333 Ash	Total	Soil	SW846 8270D	11G5742_P
11G5742-MSD1	333 Ash	Total	Soil	SW846 8270D	11G5742_P
NUG3402-01	333 Ash	Total	Soil	SW846 8270D	11G5742_P
NUG3402-02	311 Ash	Total	Soil	SW846 8270D	11G5742_P
NUG3402-03	524 Laurel Bay	Total	Soil	SW846 8270D	11G5742_P
NUG3402-04	860 Dolphin	Total	Soil	SW846 8270D	11G5742_P

TestAmerica Nashville

QC Association Summary

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

TestAmerica Job ID: NUG3402

GCMS Semivolatiles (Continued)

Prep Batch: 11G5742_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G5742-BLK1	Method Blank	Total	Soil	EPA 3550C	
11G5742-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11G5742-MS1	333 Ash	Total	Soil	EPA 3550C	
11G5742-MSD1	333 Ash	Total	Soil	EPA 3550C	
NUG3402-01	333 Ash	Total	Soil	EPA 3550C	
NUG3402-02	311 Ash	Total	Soil	EPA 3550C	
NUG3402-03	524 Laurel Bay	Total	Soil	EPA 3550C	
NUG3402-04	860 Dolphin	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 11H0326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0326-DUP1	Duplicate	Total	Soil	SW-846	11H0326_P
NUG3402-01	333 Ash	Total	Soil	SW-846	11H0326_P
NUG3402-02	311 Ash	Total	Soil	SW-846	11H0326_P
NUG3402-03	524 Laurel Bay	Total	Soil	SW-846	11H0326_P
NUG3402-04	860 Dolphin	Total	Soil	SW-846	11H0326_P

Prep Batch: 11H0326_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0326-DUP1	Duplicate	Total	Soil	% Solids	
NUG3402-01	333 Ash	Total	Soil	% Solids	
NUG3402-02	311 Ash	Total	Soil	% Solids	
NUG3402-03	524 Laurel Bay	Total	Soil	% Solids	
NUG3402-04	860 Dolphin	Total	Soil	% Solids	

Lab Chronicle

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

TestAmerica Job ID: NUG3402

Client Sample ID: 333 Ash

Lab Sample ID: NUG3402-01

Date Collected: 07/18/11 13:15

Matrix: Soil

Date Received: 07/23/11 08:30

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.732	11G5603_P	07/18/11 13:15	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U013553	07/29/11 20:46	KXC	TAL NSH
Total	Prep	EPA 5035	RE1	0.792	11H0262_P	07/18/11 13:15	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U013656	08/01/11 16:40	KXC	TAL NSH
Total	Prep	EPA 3550C		0.973	11G5742_P	07/29/11 09:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11G5742	07/29/11 19:22	BES	TAL NSH
Total	Prep	% Solids		1.00	11H0326_P	08/02/11 16:00	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11H0326	08/03/11 09:06	RRS	TAL NSH

Client Sample ID: 311 Ash

Lab Sample ID: NUG3402-02

Date Collected: 07/19/11 12:00

Matrix: Soil

Date Received: 07/23/11 08:30

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.977	11H0262_P	07/19/11 12:00	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U013656	08/01/11 15:08	KXC	TAL NSH
Total	Prep	EPA 3550C		0.979	11G5742_P	07/29/11 09:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11G5742	07/29/11 19:41	BES	TAL NSH
Total	Prep	% Solids		1.00	11H0326_P	08/02/11 16:00	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11H0326	08/03/11 09:06	RRS	TAL NSH

Client Sample ID: 524 Laurel Bay

Lab Sample ID: NUG3402-03

Date Collected: 07/20/11 10:45

Matrix: Soil

Date Received: 07/23/11 08:30

Percent Solids: 89

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.967	11G5603_P	07/20/11 10:45	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U013553	07/29/11 21:49	KXC	TAL NSH
Total	Prep	EPA 3550C		0.974	11G5742_P	07/29/11 09:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11G5742	07/29/11 20:00	BES	TAL NSH
Total	Prep	% Solids		1.00	11H0326_P	08/02/11 16:00	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11H0326	08/03/11 09:06	RRS	TAL NSH

Client Sample ID: 860 Dolphin

Lab Sample ID: NUG3402-04

Date Collected: 07/21/11 11:15

Matrix: Soil

Date Received: 07/23/11 08:30

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.18	11G5603_P	07/21/11 11:15	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U013553	07/29/11 22:20	KXC	TAL NSH
Total	Prep	EPA 5035	RE1	1.18	11H0262_P	07/21/11 11:15	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U013656	08/01/11 16:09	KXC	TAL NSH
Total	Prep	EPA 3550C		0.969	11G5742_P	07/29/11 09:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11G5742	07/29/11 20:20	BES	TAL NSH
Total	Prep	% Solids		1.00	11H0326_P	08/02/11 16:00	AMS	TAL NSH

TestAmerica Nashville

Lab Chronicle

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

TestAmerica Job ID: NUG3402

Client Sample ID: 860 Dolphin

Lab Sample ID: NUG3402-04

Date Collected: 07/21/11 11:15

Matrix: Soil

Date Received: 07/23/11 08:30

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SW-846		1.00	11H0326	08/03/11 09:06	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: NUG3402

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



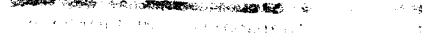
Certification Summary

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

TestAmerica Job ID: NUG3402

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	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
TestAmerica Nashville	Wisconsin	State Program	5	998020430

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.



Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

Compliance Monitoring? Yes _____ No _____
Enforcement Action? Yes _____ No _____

(843) 879-C4E1

Project #:

ARJ 2/25/4

08/05/2011

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 WMNA 00316815				
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				
						D. Transporter's Phone 843-879-0411				
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter's ID				
						F. Transporter's Phone				
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936				10. US EPA ID Number		G. State Facility ID				
						H. State Facility Phone 843-987-4643				
GENERATOR ATTORNEY	11. Description of Waste Materials			12. Containers		13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments		
	a. HEATING OIL TANKS FILLED WITH SAND			No.	Type					
	WM Profile # 102655SC					204	8.27			
	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 US 1's from: 1) 366 ASPEN ✓ 2) 373 ASPEN ✓ 3) 524 LAUREL BAY ✓ 4) 860 DOLPHIN ✓ 5) 642 DAHLIA ✓ 6) 641 DAHLIA ✓ 7) 765 ALTHEA ✓										
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 W.C. Dubois				Signature "On behalf of" [Signature]			Month 08	Day 01	Year 11	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials									
	Printed Name James Baldwin				Signature James Baldwin			Month 8	Day 2	Year 11
	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 Tomi Cofield				Signature [Signature]			Month 8	Day 2	Year 11

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

Appendix C
Laboratory Analytical Report - Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC02051-007
Description: BEALB860TW01WG20170228	Matrix: Aqueous
Date Sampled: 02/28/2017 1455	
Date Received: 03/02/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/03/2017 2229	ECP		36205

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
Naphthalene	91-20-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
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		99	85-114
Dibromofluoromethane		101	80-119
1,2-Dichloroethane-d4		92	81-118
Toluene-d8		97	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: AECOM - Resolution Consultants	Laboratory ID: SC02051-007
Description: BEALB860TW01WG20170228	Matrix: Aqueous
Date Sampled: 02/28/2017 1455	
Date Received: 03/02/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/10/2017 2042	RBH	03/05/2017 1656	36264

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		58	44-120
2-Fluorobiphenyl		51	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

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

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 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 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