

**SUMMARY REPORT
588 DAHLIA DRIVE (FORMERLY 641 DAHLIA 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

**CDM - AECOM Multimedia Joint Venture
10560 Arrowhead Drive, Suite 500
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**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 588 Dahlia Drive (Formerly 641 Dahlia 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

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 588 Dahlia Drive (Formerly 641 Dahlia Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 641 Dahlia Drive* (MCAS Beaufort, 2011) and *SCDHEC UST Assessment Report – 641 Dahlia Drive* (MCAS Beaufort, 2015). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

In 2011 and 2015, two 280 gallon heating oil USTs were removed at 588 Dahlia Drive (Formerly 641 Dahlia Drive). Tank 1 was removed on July 25, 2011 from the front grassed area adjacent to the driveway. Tank 2 was removed on September 1, 2015 from the underneath the concrete

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

Following UST removal, a soil sample was collected from the base of each 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 locations (Tanks 1 and 2) 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 588 Dahlia Drive (Formerly 641 Dahlia Drive) during the removal of Tank 1 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. The soil results collected from 588 Dahlia Drive (Formerly 641 Dahlia Drive) during the removal of Tank 2 were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 1, 2016, SCDHEC requested an IGWA be conducted at the former UST location (Tank 2) at 588 Dahlia Drive (Formerly 641 Dahlia Drive) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On March 1, 2017, a temporary monitoring well was installed at 588 Dahlia Drive (Formerly 641 Dahlia Drive), 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 (Tank 2). The former UST locations are indicated in the figures 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 588 Dahlia Drive (Formerly 641 Dahlia Drive) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former USTs at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil (Tank 1) and groundwater (Tank 2), SCDHEC made the determination that NFA was required for 588 Dahlia Drive (Formerly 641 Dahlia Drive). This NFA determination was obtained in a letter dated July 1, 2015 (Tank 1) and July 27, 2017 (Tank 2). SCDHEC's NFA letters are 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 – 641 Dahlia Drive, Laurel Bay Military Housing Area*, December 2011.
- Marine Corps Air Station Beaufort, 2015. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 641 Dahlia Drive, Laurel Bay Military Housing Area*, November 2015.
- 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
588 Dahlia Drive (Formerly 641 Dahlia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results	
		Samples Collected 07/25/11	641 Dahlia - 2 09/01/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	ND	ND
Naphthalene	0.036	0.0140	0.0608
Toluene	0.627	ND	ND
Xylenes, Total	13.01	ND	0.00389
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND
Chrysene	0.66	ND	ND
Dibenz(a,h)anthracene	0.66	ND	ND

Notes:

⁽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
588 Dahlia Drive (Formerly 641 Dahlia Drive)
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 03/01/17	
			641 Dahlia	641 Dahlia - a
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)				
Benzene	5	16.24	ND	ND
Ethylbenzene	700	45.95	ND	ND
Naphthalene	25	29.33	1.1	1.2
Toluene	1000	105,445	ND	ND
Xylenes, Total	10,000	2,133	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)				
Benzo(a)anthracene	10	NA	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND
Chrysene	10	NA	ND	ND
Dibenz(a,h)anthracene	10	NA	ND	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.

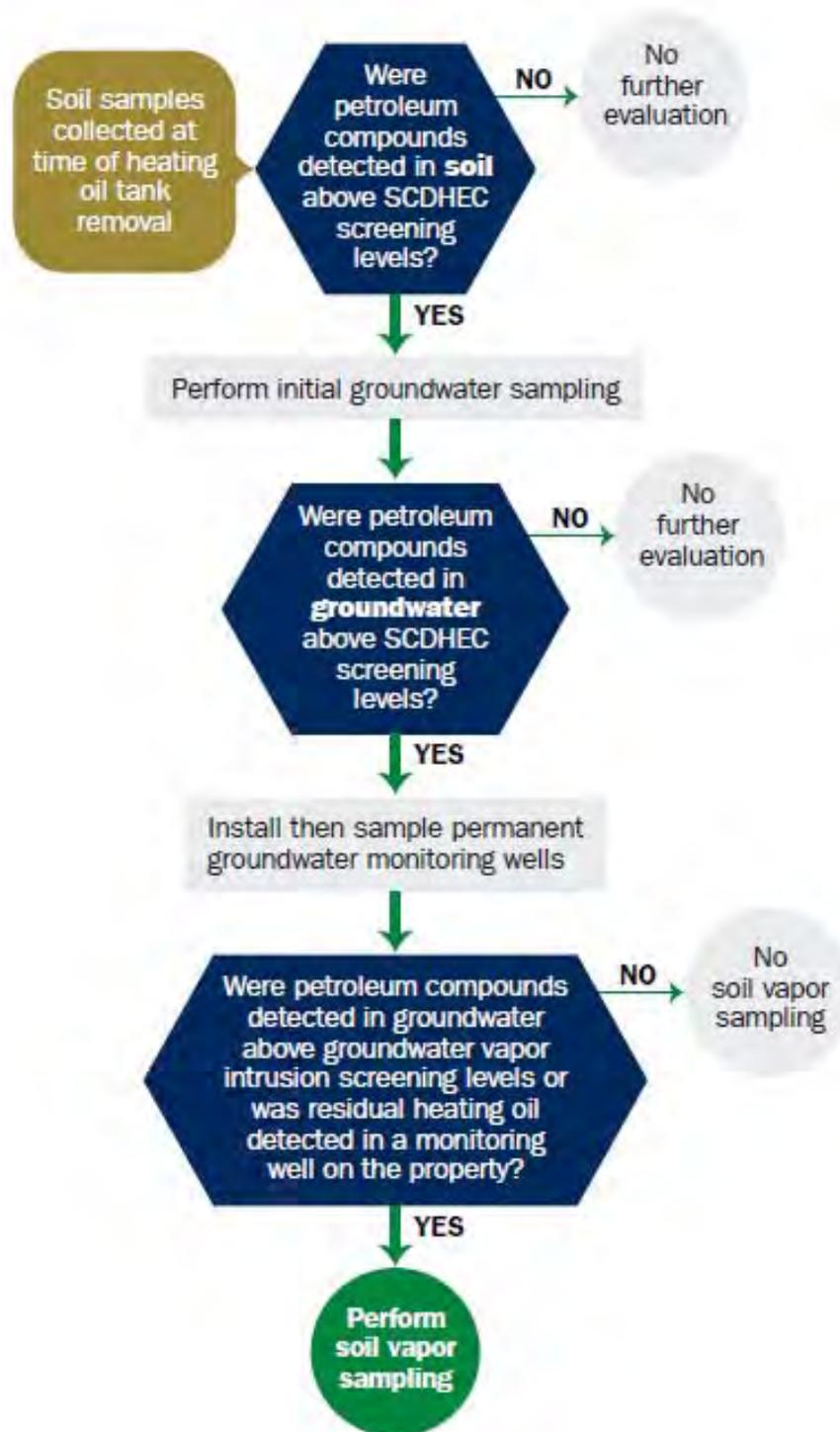
RBSL - Risk-Based Screening Level

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 Reports

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

Date Received
State Use Only

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
641 Dahlia Drive, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)
Beaufort,
City
Beaufort
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. ●verfill 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.....

641Dahlia				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
4'2"				
No				
No				
Removed				
7/25/11				
Yes				
Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 641Dahlia 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 641Dahlia had been previously filled with sand by others.

●. 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).....	641Dahlia				
B.	Distance from UST to Dispenser.....	Steel & Copper				
C.	Number of Dispensers.....	N/A				
D.	Type of System Pressure or Suction.....	N/A				
E.	Was Piping Removed from the Ground? Y/N	Suction				
F.	Visible Corrosion or Pitting Y/N.....	No				
G.	Visible Holes Y/N.....	Yes				
H.	Age.....	No				
I.	If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.	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 #
641 Dahlia	Excav at fill end	Soil	Sandy	4'2"	7/25/11 1530 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<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?</p> <p style="padding-left: 100px;">*Sewer, water, electricity, cable & fiber optic</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

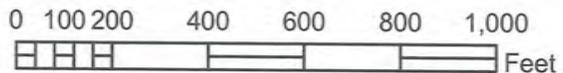
XIII. SITE MAP

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)



641 DAHLIA DR.



SBG-EEG, Inc.

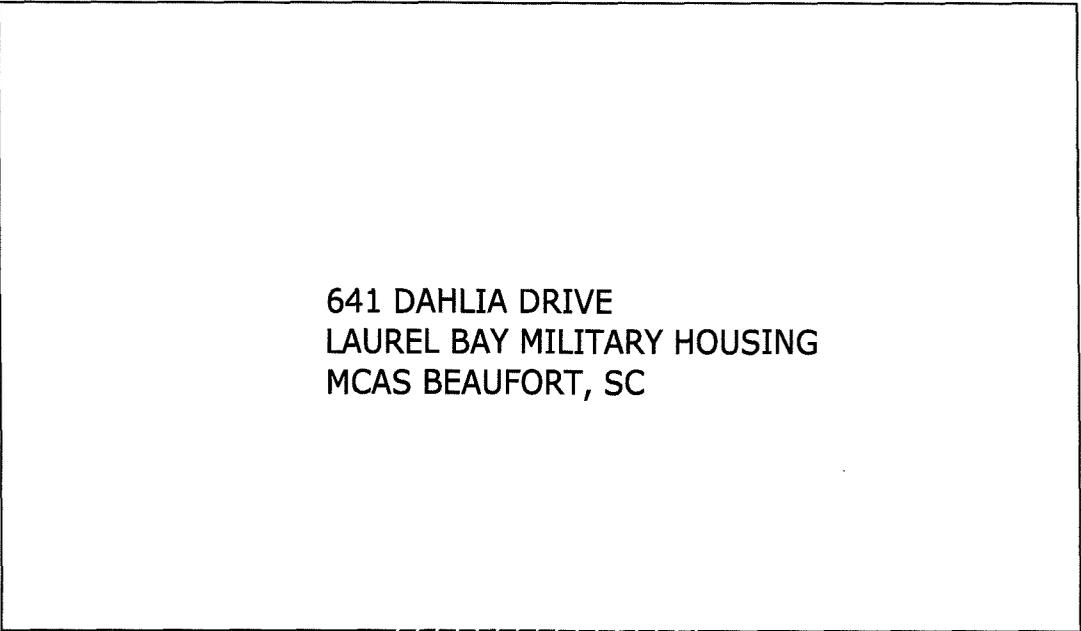
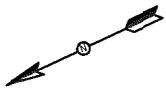
398 E. 5th North Street, Suite C
Summerville SC 29483-6954

Ph. (843) 875-1930

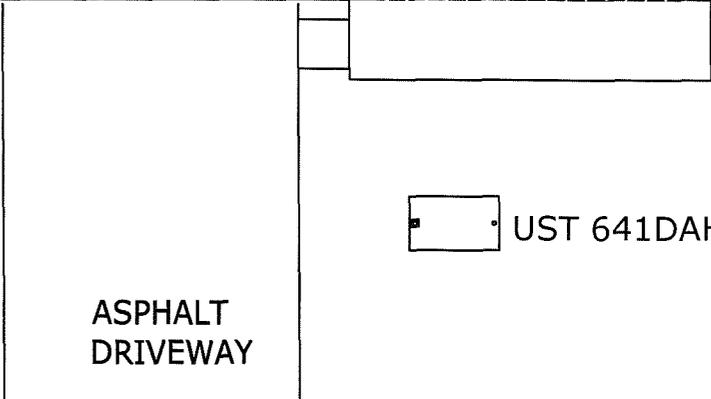
Drawn By: L. DiAsio

Dwg Date: AUG 2011

**FIGURE 1: LOCATION MAP
641 DAHLIA DR.
LAUREL BAY, BEAUFORT SC**

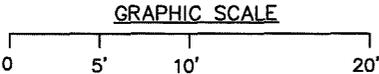


641 DAHLIA DRIVE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



ASPHALT
DRIVEWAY

UST 641DAHLIA



GRAPHIC SCALE

SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 2 SITE MAP
641 DAHLIA DRIVE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE APR 2011

641 DAHLIA DRIVE



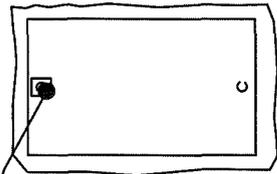
CONCRETE PORCH

ASPHALT DRIVE

GRASS

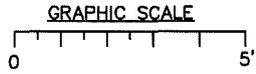
EXCAVATION

FILL END



UST 641DAHLIA
280 GAL.

SOIL SAMPLE
641 DAHLIA



UST 641DAHLIA WAS
14" BELOW GRADE.

SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
641 DAHLIA DRIVE, LAUREL BAY
MCAS BEAUFORT SC
SCALE: GRAPHIC | DWG DATE APR 2011



Picture 1: Location of UST 641Dahlia.



Picture 2: UST 641Dahlia.

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	641Dahlia						
Benzene		ND						
Toluene		ND						
Ethylbenzene		ND						
Xylenes		ND						
Naphthalene		0.0140 mg/kg						
Benzo (a) anthracene		ND						
Benzo (b) fluoranthene		ND						
Benzo (k) fluoranthene		ND						
Chrysene		ND						
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: NUG4357

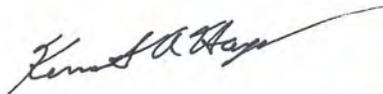
Client Project/Site: [none]

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:
08/11/2011 12:34:34 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: NUG4357

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUG4357-01	642 Dahlia	Soil	07/25/11 11:15	07/30/11 08:35
NUG4357-02	641 Dahlia	Soil	07/25/11 15:30	07/30/11 08:35
NUG4357-03	643 Dahlia	Soil	07/26/11 11:00	07/30/11 08:35
NUG4357-04	646 Dahlia	Soil	07/27/11 10:45	07/30/11 08:35
NUG4357-05	765 Althea	Soil	07/27/11 15:15	07/30/11 08:35
NUG4357-06	695 Abelia	Soil	07/28/11 12:30	07/30/11 08:35

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
A-01	MSD VIAL BROKE IN THE SOIL CHAMBER. NO DATA
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
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.

GCMS Semivolatiles

Qualifier	Qualifier Description
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.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

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)

TestAmerica Job ID: NUG4357

Project/Site: [none]

Client Sample ID: 642 Dahlia

Lab Sample ID: NUG4357-01

Date Collected: 07/25/11 11:15

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00207	0.00114	mg/kg dry	☼	07/25/11 11:15	08/05/11 21:10	1.00
Ethylbenzene	ND		0.00207	0.00101	mg/kg dry	☼	07/25/11 11:15	08/05/11 21:10	1.00
Naphthalene	ND		0.00517	0.00176	mg/kg dry	☼	07/25/11 11:15	08/05/11 21:10	1.00
Toluene	ND		0.00207	0.000921	mg/kg dry	☼	07/25/11 11:15	08/05/11 21:10	1.00
Xylenes, total	ND		0.00517	0.00197	mg/kg dry	☼	07/25/11 11:15	08/05/11 21:10	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		67 - 138				07/25/11 11:15	08/05/11 21:10	1.00
Dibromofluoromethane	95		75 - 125				07/25/11 11:15	08/05/11 21:10	1.00
Toluene-d8	99		76 - 129				07/25/11 11:15	08/05/11 21:10	1.00
4-Bromofluorobenzene	100		67 - 147				07/25/11 11:15	08/05/11 21:10	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0830	0.0173	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Acenaphthylene	ND		0.0830	0.0248	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Anthracene	ND		0.0830	0.0111	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Benzo (a) anthracene	ND		0.0830	0.0136	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Benzo (a) pyrene	ND		0.0830	0.00991	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Benzo (b) fluoranthene	ND		0.0830	0.0471	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Benzo (g,h,i) perylene	ND		0.0830	0.0111	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Benzo (k) fluoranthene	ND		0.0830	0.0458	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Chrysene	ND		0.0830	0.0384	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Dibenz (a,h) anthracene	ND		0.0830	0.0186	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Fluoranthene	ND		0.0830	0.0136	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Fluorene	ND		0.0830	0.0248	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0830	0.0384	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Naphthalene	ND		0.0830	0.0173	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Phenanthrene	ND		0.0830	0.0124	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Pyrene	ND		0.0830	0.0285	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
1-Methylnaphthalene	ND		0.0830	0.0149	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
2-Methylnaphthalene	ND		0.0830	0.0260	mg/kg dry	☼	08/05/11 08:20	08/05/11 15:12	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	89		18 - 120				08/05/11 08:20	08/05/11 15:12	1.00
2-Fluorobiphenyl	59		14 - 120				08/05/11 08:20	08/05/11 15:12	1.00
Nitrobenzene-d5	58		17 - 120				08/05/11 08:20	08/05/11 15:12	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	80.1		0.500	0.500	%		08/09/11 11:43	08/10/11 10:59	1.00

Client Sample Results

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

TestAmerica Job ID: NUG4357

Client Sample ID: 641 Dahlia

Lab Sample ID: NUG4357-02

Date Collected: 07/25/11 15:30

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00170	0.000933	mg/kg dry	⊕	07/25/11 15:30	08/05/11 21:41	1.00
Ethylbenzene	ND		0.00170	0.000831	mg/kg dry	⊕	07/25/11 15:30	08/05/11 21:41	1.00
Naphthalene	0.0140		0.00424	0.00144	mg/kg dry	⊕	07/25/11 15:30	08/05/11 21:41	1.00
Toluene	ND		0.00170	0.000755	mg/kg dry	⊕	07/25/11 15:30	08/05/11 21:41	1.00
Xylenes, total	ND		0.00424	0.00161	mg/kg dry	⊕	07/25/11 15:30	08/05/11 21:41	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		67 - 138	07/25/11 15:30	08/05/11 21:41	1.00
Dibromofluoromethane	96		75 - 125	07/25/11 15:30	08/05/11 21:41	1.00
Toluene-d8	99		76 - 129	07/25/11 15:30	08/05/11 21:41	1.00
4-Bromofluorobenzene	109		67 - 147	07/25/11 15:30	08/05/11 21:41	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0778	0.0163	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Acenaphthylene	ND		0.0778	0.0232	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Anthracene	ND		0.0778	0.0105	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Benzo (a) anthracene	ND		0.0778	0.0128	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Benzo (a) pyrene	ND		0.0778	0.00929	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Benzo (b) fluoranthene	ND		0.0778	0.0441	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Benzo (g,h,i) perylene	ND		0.0778	0.0105	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Benzo (k) fluoranthene	ND		0.0778	0.0430	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Chrysene	ND		0.0778	0.0360	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Dibenz (a,h) anthracene	ND		0.0778	0.0174	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Fluoranthene	ND		0.0778	0.0128	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Fluorene	ND		0.0778	0.0232	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0778	0.0360	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Naphthalene	ND		0.0778	0.0163	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Phenanthrene	ND		0.0778	0.0116	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
Pyrene	ND		0.0778	0.0267	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
1-Methylnaphthalene	ND		0.0778	0.0139	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00
2-Methylnaphthalene	ND		0.0778	0.0244	mg/kg dry	⊕	08/05/11 08:20	08/05/11 15:31	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	108		18 - 120	08/05/11 08:20	08/05/11 15:31	1.00
2-Fluorobiphenyl	72		14 - 120	08/05/11 08:20	08/05/11 15:31	1.00
Nitrobenzene-d5	71		17 - 120	08/05/11 08:20	08/05/11 15:31	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	84.2		0.500	0.500	%		08/08/11 14:36	08/09/11 08:12	1.00

Client Sample Results

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

TestAmerica Job ID: NUG4357

Client Sample ID: 643 Dahlia

Lab Sample ID: NUG4357-03

Date Collected: 07/26/11 11:00

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00119	J	0.00166	0.000913	mg/kg dry	*	07/26/11 11:00	08/04/11 19:00	1.00
Toluene	0.00883		0.00166	0.000739	mg/kg dry	*	07/26/11 11:00	08/04/11 19:00	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	72		67 - 138				07/26/11 11:00	08/04/11 19:00	1.00
Dibromofluoromethane	85		75 - 125				07/26/11 11:00	08/04/11 19:00	1.00
Toluene-d8	124		76 - 129				07/26/11 11:00	08/04/11 19:00	1.00
4-Bromofluorobenzene	134		67 - 147				07/26/11 11:00	08/04/11 19:00	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.399		0.0824	0.0404	mg/kg dry	*	07/26/11 11:00	08/05/11 23:16	50.0
Naphthalene	5.21		0.206	0.0700	mg/kg dry	*	07/26/11 11:00	08/05/11 23:16	50.0
Xylenes, total	1.49		0.206	0.0783	mg/kg dry	*	07/26/11 11:00	08/05/11 23:16	50.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	98		67 - 138				07/26/11 11:00	08/05/11 23:16	50.0
Dibromofluoromethane	88		75 - 125				07/26/11 11:00	08/05/11 23:16	50.0
Toluene-d8	101		76 - 129				07/26/11 11:00	08/05/11 23:16	50.0
4-Bromofluorobenzene	112		67 - 147				07/26/11 11:00	08/05/11 23:16	50.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.277		0.0794	0.0166	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Acenaphthylene	0.181		0.0794	0.0237	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Anthracene	0.0995		0.0794	0.0107	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Benzo (a) anthracene	ND		0.0794	0.0130	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Benzo (a) pyrene	ND		0.0794	0.00948	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Benzo (b) fluoranthene	ND		0.0794	0.0450	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Benzo (g,h,i) perylene	ND		0.0794	0.0107	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Benzo (k) fluoranthene	ND		0.0794	0.0438	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Chrysene	ND		0.0794	0.0367	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Dibenz (a,h) anthracene	ND		0.0794	0.0178	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Fluoranthene	ND		0.0794	0.0130	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Fluorene	0.847		0.0794	0.0237	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0794	0.0367	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Naphthalene	1.76		0.0794	0.0166	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Phenanthrene	1.51		0.0794	0.0118	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Pyrene	0.126		0.0794	0.0272	mg/kg dry	*	08/05/11 08:20	08/05/11 15:50	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	110		18 - 120				08/05/11 08:20	08/05/11 15:50	1.00
2-Fluorobiphenyl	67		14 - 120				08/05/11 08:20	08/05/11 15:50	1.00
Nitrobenzene-d5	74		17 - 120				08/05/11 08:20	08/05/11 15:50	1.00

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	4.03		0.397	0.0711	mg/kg dry	*	08/05/11 08:20	08/06/11 18:24	5.00
2-Methylnaphthalene	7.48		0.397	0.124	mg/kg dry	*	08/05/11 08:20	08/06/11 18:24	5.00

Client Sample Results

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

TestAmerica Job ID: NUG4357

Client Sample ID: 643 Dahlia

Lab Sample ID: NUG4357-03

Date Collected: 07/26/11 11:00

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 83.1

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	83.1		0.500	0.500	%		08/08/11 14:36	08/09/11 08:12	1.00

Client Sample Results

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

TestAmerica Job ID: NUG4357

Client Sample ID: 646 Dahlia

Lab Sample ID: NUG4357-04

Date Collected: 07/27/11 10:45

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00412		0.00240	0.00132	mg/kg dry	☼	07/27/11 10:45	08/04/11 19:30	1.00
Ethylbenzene	1.44	E	0.00240	0.00118	mg/kg dry	☼	07/27/11 10:45	08/04/11 19:30	1.00
Toluene	0.0139		0.00240	0.00107	mg/kg dry	☼	07/27/11 10:45	08/04/11 19:30	1.00
Xylenes, total	1.60	E	0.00601	0.00228	mg/kg dry	☼	07/27/11 10:45	08/04/11 19:30	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	78		67 - 138				07/27/11 10:45	08/04/11 19:30	1.00
Dibromofluoromethane	90		75 - 125				07/27/11 10:45	08/04/11 19:30	1.00
Toluene-d8	983	ZX	76 - 129				07/27/11 10:45	08/04/11 19:30	1.00
4-Bromofluorobenzene	789	ZX	67 - 147				07/27/11 10:45	08/04/11 19:30	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	0.439		0.253	0.0860	mg/kg dry	☼	07/27/11 10:45	08/05/11 23:48	50.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		67 - 138				07/27/11 10:45	08/05/11 23:48	50.0
Dibromofluoromethane	86		75 - 125				07/27/11 10:45	08/05/11 23:48	50.0
Toluene-d8	100		76 - 129				07/27/11 10:45	08/05/11 23:48	50.0
4-Bromofluorobenzene	84		67 - 147				07/27/11 10:45	08/05/11 23:48	50.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.136		0.0870	0.0182	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Acenaphthylene	0.0688	J	0.0870	0.0260	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Anthracene	ND		0.0870	0.0117	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Benzo (a) anthracene	ND		0.0870	0.0143	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Benzo (a) pyrene	ND		0.0870	0.0104	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Benzo (b) fluoranthene	ND		0.0870	0.0493	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Benzo (g,h,i) perylene	ND		0.0870	0.0117	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Benzo (k) fluoranthene	ND		0.0870	0.0480	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Chrysene	ND		0.0870	0.0402	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Dibenz (a,h) anthracene	ND		0.0870	0.0195	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Fluoranthene	ND		0.0870	0.0143	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Fluorene	0.327		0.0870	0.0260	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0870	0.0402	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Naphthalene	0.656		0.0870	0.0182	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Phenanthrene	0.485		0.0870	0.0130	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Pyrene	ND		0.0870	0.0299	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
1-Methylnaphthalene	1.71		0.0870	0.0156	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
2-Methylnaphthalene	2.94		0.0870	0.0273	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:10	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	109		18 - 120				08/05/11 08:20	08/05/11 16:10	1.00
2-Fluorobiphenyl	70		14 - 120				08/05/11 08:20	08/05/11 16:10	1.00
Nitrobenzene-d5	77		17 - 120				08/05/11 08:20	08/05/11 16:10	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	76.3		0.500	0.500	%		08/08/11 14:36	08/09/11 08:12	1.00

Client Sample Results

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

TestAmerica Job ID: NUG4357

Client Sample ID: 765 Althea

Lab Sample ID: NUG4357-05

Date Collected: 07/27/11 15:15

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00187	0.00103	mg/kg dry	☼	07/27/11 15:15	08/05/11 22:13	1.00
Ethylbenzene	ND		0.00187	0.000916	mg/kg dry	☼	07/27/11 15:15	08/05/11 22:13	1.00
Naphthalene	ND		0.00467	0.00159	mg/kg dry	☼	07/27/11 15:15	08/05/11 22:13	1.00
Toluene	ND		0.00187	0.000832	mg/kg dry	☼	07/27/11 15:15	08/05/11 22:13	1.00
Xylenes, total	ND		0.00467	0.00178	mg/kg dry	☼	07/27/11 15:15	08/05/11 22:13	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		67 - 138	07/27/11 15:15	08/05/11 22:13	1.00
Dibromofluoromethane	97		75 - 125	07/27/11 15:15	08/05/11 22:13	1.00
Toluene-d8	99		76 - 129	07/27/11 15:15	08/05/11 22:13	1.00
4-Bromofluorobenzene	109		67 - 147	07/27/11 15:15	08/05/11 22:13	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0806	0.0168	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Acenaphthylene	ND		0.0806	0.0241	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Anthracene	ND		0.0806	0.0108	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Benzo (a) anthracene	ND		0.0806	0.0132	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Benzo (a) pyrene	ND		0.0806	0.00962	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Benzo (b) fluoranthene	ND		0.0806	0.0457	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Benzo (g,h,i) perylene	ND		0.0806	0.0108	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Benzo (k) fluoranthene	ND		0.0806	0.0445	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Chrysene	ND		0.0806	0.0373	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Dibenz (a,h) anthracene	ND		0.0806	0.0180	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Fluoranthene	ND		0.0806	0.0132	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Fluorene	ND		0.0806	0.0241	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0806	0.0373	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Naphthalene	ND		0.0806	0.0168	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Phenanthrene	ND		0.0806	0.0120	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
Pyrene	ND		0.0806	0.0277	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
1-Methylnaphthalene	ND		0.0806	0.0144	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00
2-Methylnaphthalene	ND		0.0806	0.0253	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:29	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	104		18 - 120	08/05/11 08:20	08/05/11 16:29	1.00
2-Fluorobiphenyl	71		14 - 120	08/05/11 08:20	08/05/11 16:29	1.00
Nitrobenzene-d5	70		17 - 120	08/05/11 08:20	08/05/11 16:29	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	%		08/08/11 14:36	08/09/11 08:12	1.00

Client Sample Results

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

TestAmerica Job ID: NUG4357

Client Sample ID: 695 Abelia

Lab Sample ID: NUG4357-06

Date Collected: 07/28/11 12:30

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00205	0.00113	mg/kg dry	☼	07/28/11 12:30	08/05/11 22:45	1.00
Ethylbenzene	ND		0.00205	0.00100	mg/kg dry	☼	07/28/11 12:30	08/05/11 22:45	1.00
Naphthalene	ND		0.00513	0.00174	mg/kg dry	☼	07/28/11 12:30	08/05/11 22:45	1.00
Toluene	ND		0.00205	0.000912	mg/kg dry	☼	07/28/11 12:30	08/05/11 22:45	1.00
Xylenes, total	ND		0.00513	0.00195	mg/kg dry	☼	07/28/11 12:30	08/05/11 22:45	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		67 - 138	07/28/11 12:30	08/05/11 22:45	1.00
Dibromofluoromethane	97		75 - 125	07/28/11 12:30	08/05/11 22:45	1.00
Toluene-d8	99		76 - 129	07/28/11 12:30	08/05/11 22:45	1.00
4-Bromofluorobenzene	117		67 - 147	07/28/11 12:30	08/05/11 22:45	1.00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0761	0.0159	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Acenaphthylene	ND		0.0761	0.0227	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Anthracene	ND		0.0761	0.0102	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Benzo (a) anthracene	0.347		0.0761	0.0125	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Benzo (a) pyrene	0.192		0.0761	0.00908	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Benzo (b) fluoranthene	0.304		0.0761	0.0432	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Benzo (g,h,i) perylene	0.0840		0.0761	0.0102	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Benzo (k) fluoranthene	0.170		0.0761	0.0420	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Chrysene	0.388		0.0761	0.0352	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Dibenz (a,h) anthracene	ND		0.0761	0.0170	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Fluoranthene	0.559		0.0761	0.0125	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Fluorene	ND		0.0761	0.0227	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Indeno (1,2,3-cd) pyrene	0.0825		0.0761	0.0352	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Naphthalene	ND		0.0761	0.0159	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Phenanthrene	0.126		0.0761	0.0114	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
Pyrene	0.533		0.0761	0.0261	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
1-Methylnaphthalene	ND		0.0761	0.0136	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00
2-Methylnaphthalene	ND		0.0761	0.0238	mg/kg dry	☼	08/05/11 08:20	08/05/11 16:48	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		18 - 120	08/05/11 08:20	08/05/11 16:48	1.00
2-Fluorobiphenyl	74		14 - 120	08/05/11 08:20	08/05/11 16:48	1.00
Nitrobenzene-d5	74		17 - 120	08/05/11 08:20	08/05/11 16:48	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	87.7		0.500	0.500	%		08/08/11 14:36	08/09/11 08:12	1.00

QC Sample Results

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

TestAmerica Job ID: NUG4357

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

Lab Sample ID: 11G7174-BLK1	Client Sample ID: Method Blank
Matrix: Soil	Prep Type: Total
Analysis Batch: U013970	Prep Batch: 11G7174_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.00200	0.00110	mg/kg wet		08/04/11 10:07	08/04/11 12:11	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		08/04/11 10:07	08/04/11 12:11	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		08/04/11 10:07	08/04/11 12:11	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		08/04/11 10:07	08/04/11 12:11	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		08/04/11 10:07	08/04/11 12:11	1.00

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	90		67 - 138	08/04/11 10:07	08/04/11 12:11	1.00
Dibromofluoromethane	95		75 - 125	08/04/11 10:07	08/04/11 12:11	1.00
Toluene-d8	102		76 - 129	08/04/11 10:07	08/04/11 12:11	1.00
4-Bromofluorobenzene	108		67 - 147	08/04/11 10:07	08/04/11 12:11	1.00

Lab Sample ID: 11G7174-BS1	Client Sample ID: Lab Control Sample
Matrix: Soil	Prep Type: Total
Analysis Batch: U013970	Prep Batch: 11G7174_P

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Benzene	50.0	48.7		ug/kg		97	78 - 126
Ethylbenzene	50.0	57.9		ug/kg		116	79 - 130
Naphthalene	50.0	52.4		ug/kg		105	72 - 150
Toluene	50.0	56.0		ug/kg		112	76 - 126
Xylenes, total	150	173		ug/kg		115	80 - 130

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	89		67 - 138
Dibromofluoromethane	94		75 - 125
Toluene-d8	111		76 - 129
4-Bromofluorobenzene	102		67 - 147

Lab Sample ID: 11G7174-MS1	Client Sample ID: 695 Abelia
Matrix: Soil	Prep Type: Total
Analysis Batch: U013970	Prep Batch: 11G7174_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	% Rec	% Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	ND		0.0507	0.0496	A-01	mg/kg dry	⊛	98	42 - 141
Ethylbenzene	0.00237		0.0507	0.0570	A-01	mg/kg dry	⊛	108	21 - 165
Naphthalene	0.0173		0.0507	0.0343	A-01	mg/kg dry	⊛	34	10 - 160
Toluene	0.00494		0.0507	0.0534	A-01	mg/kg dry	⊛	95	45 - 145
Xylenes, total	0.00957		0.152	0.167	A-01	mg/kg dry	⊛	104	31 - 159

Surrogate	Matrix Spike	Matrix Spike	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	74	A-01	67 - 138
Dibromofluoromethane	85	A-01	75 - 125
Toluene-d8	99	A-01	76 - 129
4-Bromofluorobenzene	118	A-01	67 - 147

QC Sample Results

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

TestAmerica Job ID: NUG4357

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

Lab Sample ID: 11H1688-BLK1

Matrix: Soil

Analysis Batch: U014010

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11H1688_P

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.00200	0.00110	mg/kg wet		08/05/11 12:15	08/05/11 14:51	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		08/05/11 12:15	08/05/11 14:51	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		08/05/11 12:15	08/05/11 14:51	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		08/05/11 12:15	08/05/11 14:51	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		08/05/11 12:15	08/05/11 14:51	1.00

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	107		67 - 138	08/05/11 12:15	08/05/11 14:51	1.00
Dibromofluoromethane	102		75 - 125	08/05/11 12:15	08/05/11 14:51	1.00
Toluene-d8	97		76 - 129	08/05/11 12:15	08/05/11 14:51	1.00
4-Bromofluorobenzene	115		67 - 147	08/05/11 12:15	08/05/11 14:51	1.00

Lab Sample ID: 11H1688-BLK2

Matrix: Soil

Analysis Batch: U014010

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11H1688_P

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.100	0.0550	mg/kg wet		08/05/11 12:15	08/05/11 15:22	50.0
Ethylbenzene	ND		0.100	0.0490	mg/kg wet		08/05/11 12:15	08/05/11 15:22	50.0
Naphthalene	ND		0.250	0.0850	mg/kg wet		08/05/11 12:15	08/05/11 15:22	50.0
Toluene	ND		0.100	0.0445	mg/kg wet		08/05/11 12:15	08/05/11 15:22	50.0
Xylenes, total	ND		0.250	0.0950	mg/kg wet		08/05/11 12:15	08/05/11 15:22	50.0

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4	107		67 - 138	08/05/11 12:15	08/05/11 15:22	50.0
Dibromofluoromethane	100		75 - 125	08/05/11 12:15	08/05/11 15:22	50.0
Toluene-d8	98		76 - 129	08/05/11 12:15	08/05/11 15:22	50.0
4-Bromofluorobenzene	116		67 - 147	08/05/11 12:15	08/05/11 15:22	50.0

Lab Sample ID: 11H1688-BS1

Matrix: Soil

Analysis Batch: U014010

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11H1688_P

Analyte	Spike Added	LCS		Unit	D	% Rec	Limits
		Result	Qualifier				
Benzene	50.0	56.3		ug/kg		113	78 - 126
Ethylbenzene	50.0	56.0		ug/kg		112	79 - 130
Naphthalene	50.0	66.3		ug/kg		133	72 - 150
Toluene	50.0	55.4		ug/kg		111	76 - 126
Xylenes, total	150	170		ug/kg		113	80 - 130

Surrogate	LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	101		67 - 138
Dibromofluoromethane	104		75 - 125
Toluene-d8	101		76 - 129
4-Bromofluorobenzene	107		67 - 147

QC Sample Results

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

TestAmerica Job ID: NUG4357

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

Lab Sample ID: 11H1688-MS1
Matrix: Soil
Analysis Batch: U014010

Client Sample ID: 646 Dahlia
Prep Type: Total
Prep Batch: 11H1688_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	% Rec	% Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Benzene	ND		2.53	2.66		mg/kg dry	☉	105		42 - 141
Ethylbenzene	ND		2.53	2.74		mg/kg dry	☉	108		21 - 165
Naphthalene	0.439		2.53	3.49		mg/kg dry	☉	121		10 - 160
Toluene	ND		2.53	2.69		mg/kg dry	☉	106		45 - 145
Xylenes, total	ND		7.58	8.17		mg/kg dry	☉	108		31 - 159

Surrogate	Matrix Spike	Matrix Spike	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	88		67 - 138
Dibromofluoromethane	94		75 - 125
Toluene-d8	102		76 - 129
4-Bromofluorobenzene	116		67 - 147

Lab Sample ID: 11H1688-MSD1
Matrix: Soil
Analysis Batch: U014010

Client Sample ID: 646 Dahlia
Prep Type: Total
Prep Batch: 11H1688_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec	% Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	ND		2.53	2.71		mg/kg dry	☉	107		42 - 141	2	50
Ethylbenzene	ND		2.53	2.95		mg/kg dry	☉	116		21 - 165	7	50
Naphthalene	0.439		2.53	3.45		mg/kg dry	☉	119		10 - 160	1	50
Toluene	ND		2.53	2.79		mg/kg dry	☉	110		45 - 145	4	50
Xylenes, total	ND		7.58	8.82		mg/kg dry	☉	116		31 - 159	8	50

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4	90		67 - 138
Dibromofluoromethane	95		75 - 125
Toluene-d8	100		76 - 129
4-Bromofluorobenzene	93		67 - 147

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

Lab Sample ID: 11H0116-BLK1
Matrix: Soil
Analysis Batch: 11H0116

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11H0116_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	ND		0.0670	0.0140	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Acenaphthylene	ND		0.0670	0.0200	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Anthracene	ND		0.0670	0.00900	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Benzo (a) anthracene	ND		0.0670	0.0110	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Benzo (a) pyrene	ND		0.0670	0.00800	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0380	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.00900	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0370	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Chrysene	ND		0.0670	0.0310	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0150	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Fluoranthene	ND		0.0670	0.0110	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Fluorene	ND		0.0670	0.0200	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0310	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00

TestAmerica Nashville

QC Sample Results

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

TestAmerica Job ID: NUG4357

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

Lab Sample ID: 11H0116-BLK1						Client Sample ID: Method Blank			
Matrix: Soil						Prep Type: Total			
Analysis Batch: 11H0116						Prep Batch: 11H0116_P			
Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0670	0.0140	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Phenanthrene	ND		0.0670	0.0100	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Pyrene	ND		0.0670	0.0230	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
1-Methylnaphthalene	ND		0.0670	0.0120	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
2-Methylnaphthalene	ND		0.0670	0.0210	mg/kg wet		08/05/11 08:20	08/05/11 13:16	1.00
Surrogate	Blank % Recovery	Blank Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Terphenyl-d14	95		18 - 120			08/05/11 08:20	08/05/11 13:16	1.00	
2-Fluorobiphenyl	72		14 - 120			08/05/11 08:20	08/05/11 13:16	1.00	
Nitrobenzene-d5	71		17 - 120			08/05/11 08:20	08/05/11 13:16	1.00	

Lab Sample ID: 11H0116-BS1						Client Sample ID: Lab Control Sample			
Matrix: Soil						Prep Type: Total			
Analysis Batch: 11H0116						Prep Batch: 11H0116_P			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Acenaphthene	1.67	1.41		mg/kg wet		84	49 - 120		
Acenaphthylene	1.67	1.49		mg/kg wet		90	52 - 120		
Anthracene	1.67	1.56		mg/kg wet		93	58 - 120		
Benzo (a) anthracene	1.67	1.47		mg/kg wet		88	57 - 120		
Benzo (a) pyrene	1.67	1.69		mg/kg wet		102	55 - 120		
Benzo (b) fluoranthene	1.67	1.57		mg/kg wet		94	51 - 123		
Benzo (g,h,i) perylene	1.67	1.64		mg/kg wet		98	49 - 121		
Benzo (k) fluoranthene	1.67	1.57		mg/kg wet		94	42 - 129		
Chrysene	1.67	1.50		mg/kg wet		90	55 - 120		
Dibenz (a,h) anthracene	1.67	1.63		mg/kg wet		98	50 - 123		
Fluoranthene	1.67	1.56		mg/kg wet		94	58 - 120		
Fluorene	1.67	1.59		mg/kg wet		96	54 - 120		
Indeno (1,2,3-cd) pyrene	1.67	1.62		mg/kg wet		97	50 - 122		
Naphthalene	1.67	1.57		mg/kg wet		94	28 - 120		
Phenanthrene	1.67	1.55		mg/kg wet		93	56 - 120		
Pyrene	1.67	1.46		mg/kg wet		88	56 - 120		
1-Methylnaphthalene	1.67	1.20		mg/kg wet		72	36 - 120		
2-Methylnaphthalene	1.67	1.45		mg/kg wet		87	36 - 120		
Surrogate	LCS % Recovery	LCS Qualifier	Limits						
Terphenyl-d14	94		18 - 120						
2-Fluorobiphenyl	79		14 - 120						
Nitrobenzene-d5	79		17 - 120						

Lab Sample ID: 11H0116-MS1						Client Sample ID: Matrix Spike			
Matrix: Soil						Prep Type: Total			
Analysis Batch: 11H0116						Prep Batch: 11H0116_P			
Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	ND		1.63	1.10		mg/kg wet		68	42 - 120
Acenaphthylene	ND		1.63	1.11		mg/kg wet		69	32 - 120
Anthracene	ND		1.63	1.17		mg/kg wet		72	10 - 200
Benzo (a) anthracene	ND		1.63	1.23		mg/kg wet		76	41 - 120

QC Sample Results

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

TestAmerica Job ID: NUG4357

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

Lab Sample ID: 11H0116-MS1				Client Sample ID: Matrix Spike						
Matrix: Soil				Prep Type: Total						
Analysis Batch: 11H0116				Prep Batch: 11H0116_P						
Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	% Rec.	Limits	
	Result	Qualifier	Added	Result	Qualifier			% Rec.		
Benzo (a) pyrene	0.0536		1.63	1.31		mg/kg wet		77	33 - 121	
Benzo (b) fluoranthene	ND		1.63	1.46		mg/kg wet		90	26 - 137	
Benzo (g,h,i) perylene	ND		1.63	1.02		mg/kg wet		63	21 - 124	
Benzo (k) fluoranthene	ND		1.63	1.07		mg/kg wet		66	14 - 140	
Chrysene	ND		1.63	1.17		mg/kg wet		72	28 - 123	
Dibenz (a,h) anthracene	ND		1.63	1.02		mg/kg wet		63	25 - 127	
Fluoranthene	ND		1.63	1.29		mg/kg wet		79	38 - 120	
Fluorene	ND		1.63	1.20		mg/kg wet		74	41 - 120	
Indeno (1,2,3-cd) pyrene	ND		1.63	1.03		mg/kg wet		63	25 - 123	
Naphthalene	ND		1.63	1.26		mg/kg wet		78	25 - 120	
Phenanthrene	ND		1.63	1.15		mg/kg wet		71	37 - 120	
Pyrene	ND		1.63	0.987		mg/kg wet		61	29 - 125	
1-Methylnaphthalene	ND		1.63	1.00		mg/kg wet		62	19 - 120	
2-Methylnaphthalene	ND		1.63	1.21		mg/kg wet		74	11 - 120	
Matrix Spike				Matrix Spike						
Surrogate	% Recovery	Qualifier	Limits							
Terphenyl-d14	63		18 - 120							
2-Fluorobiphenyl	59		14 - 120							
Nitrobenzene-d5	57		17 - 120							

Lab Sample ID: 11H0116-MSD1				Client Sample ID: Matrix Spike Duplicate							
Matrix: Soil				Prep Type: Total							
Analysis Batch: 11H0116				Prep Batch: 11H0116_P							
Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec.	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier			% Rec.		RPD	Limit
Acenaphthene	ND		1.66	1.20		mg/kg wet		73	42 - 120	9	40
Acenaphthylene	ND		1.66	1.19		mg/kg wet		72	32 - 120	7	30
Anthracene	ND		1.66	1.37		mg/kg wet		83	10 - 200	16	50
Benzo (a) anthracene	ND		1.66	1.66		mg/kg wet		100	41 - 120	30	30
Benzo (a) pyrene	0.0536		1.66	1.72		mg/kg wet		101	33 - 121	27	33
Benzo (b) fluoranthene	ND		1.66	1.84		mg/kg wet		111	26 - 137	23	42
Benzo (g,h,i) perylene	ND		1.66	1.29		mg/kg wet		78	21 - 124	23	32
Benzo (k) fluoranthene	ND		1.66	1.40		mg/kg wet		85	14 - 140	27	39
Chrysene	ND		1.66	1.58		mg/kg wet		95	28 - 123	30	34
Dibenz (a,h) anthracene	ND		1.66	1.19		mg/kg wet		72	25 - 127	16	31
Fluoranthene	ND		1.66	2.05	M1 R2	mg/kg wet		124	38 - 120	46	35
Fluorene	ND		1.66	1.26		mg/kg wet		76	41 - 120	5	37
Indeno (1,2,3-cd) pyrene	ND		1.66	1.28		mg/kg wet		77	25 - 123	22	32
Naphthalene	ND		1.66	1.30		mg/kg wet		78	25 - 120	3	42
Phenanthrene	ND		1.66	1.40		mg/kg wet		85	37 - 120	19	32
Pyrene	ND		1.66	1.49	R2	mg/kg wet		90	29 - 125	41	40
1-Methylnaphthalene	ND		1.66	1.02		mg/kg wet		62	19 - 120	2	45
2-Methylnaphthalene	ND		1.66	1.24		mg/kg wet		75	11 - 120	2	50
Matrix Spike Dup				Matrix Spike Dup							
Surrogate	% Recovery	Qualifier	Limits								
Terphenyl-d14	66		18 - 120								
2-Fluorobiphenyl	59		14 - 120								
Nitrobenzene-d5	57		17 - 120								

QC Sample Results

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

TestAmerica Job ID: NUG4357

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11H1723-DUP1

Matrix: Soil

Analysis Batch: 11H1723

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 11H1723_P

Analyte	Sample	Sample	Duplicate	Duplicate	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
% Dry Solids	83.0		81.6		%		2	20

Lab Sample ID: 11H2019-DUP1

Matrix: Soil

Analysis Batch: 11H2019

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 11H2019_P

Analyte	Sample	Sample	Duplicate	Duplicate	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
% Dry Solids	91.5		90.0		%		2	20

QC Association Summary

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

TestAmerica Job ID: NUG4357

GCMS Volatiles

Analysis Batch: U013970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G7174-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11G7174_P
11G7174-BLK1	Method Blank	Total	Soil	SW846 8260B	11G7174_P
NUG4357-03	643 Dahlia	Total	Soil	SW846 8260B	11G7174_P
NUG4357-04	646 Dahlia	Total	Soil	SW846 8260B	11G7174_P
11G7174-MS1	695 Abelia	Total	Soil	SW846 8260B	11G7174_P

Analysis Batch: U014010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H1688-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11H1688_P
11H1688-BLK1	Method Blank	Total	Soil	SW846 8260B	11H1688_P
11H1688-BLK2	Method Blank	Total	Soil	SW846 8260B	11H1688_P
NUG4357-01 - RE1	642 Dahlia	Total	Soil	SW846 8260B	11H1688_P
NUG4357-02 - RE1	641 Dahlia	Total	Soil	SW846 8260B	11H1688_P
NUG4357-05 - RE1	765 Althea	Total	Soil	SW846 8260B	11H1688_P
NUG4357-06 - RE1	695 Abelia	Total	Soil	SW846 8260B	11H1688_P
NUG4357-03 - RE1	643 Dahlia	Total	Soil	SW846 8260B	11H1688_P
NUG4357-04 - RE1	646 Dahlia	Total	Soil	SW846 8260B	11H1688_P
11H1688-MS1	646 Dahlia	Total	Soil	SW846 8260B	11H1688_P
11H1688-MSD1	646 Dahlia	Total	Soil	SW846 8260B	11H1688_P

Prep Batch: 11G7174_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G7174-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11G7174-BLK1	Method Blank	Total	Soil	EPA 5035	
NUG4357-03	643 Dahlia	Total	Soil	EPA 5035	
NUG4357-04	646 Dahlia	Total	Soil	EPA 5035	
11G7174-MS1	695 Abelia	Total	Soil	EPA 5035	

Prep Batch: 11H1688_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H1688-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11H1688-BLK1	Method Blank	Total	Soil	EPA 5035	
11H1688-BLK2	Method Blank	Total	Soil	EPA 5035	
NUG4357-01 - RE1	642 Dahlia	Total	Soil	EPA 5035	
NUG4357-02 - RE1	641 Dahlia	Total	Soil	EPA 5035	
NUG4357-05 - RE1	765 Althea	Total	Soil	EPA 5035	
NUG4357-06 - RE1	695 Abelia	Total	Soil	EPA 5035	
NUG4357-03 - RE1	643 Dahlia	Total	Soil	EPA 5035	
NUG4357-04 - RE1	646 Dahlia	Total	Soil	EPA 5035	
11H1688-MS1	646 Dahlia	Total	Soil	EPA 5035	
11H1688-MSD1	646 Dahlia	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 11H0116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0116-BLK1	Method Blank	Total	Soil	SW846 8270D	11H0116_P
11H0116-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11H0116_P
11H0116-MS1	Matrix Spike	Total	Soil	SW846 8270D	11H0116_P
11H0116-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11H0116_P
NUG4357-01	642 Dahlia	Total	Soil	SW846 8270D	11H0116_P
NUG4357-02	641 Dahlia	Total	Soil	SW846 8270D	11H0116_P

QC Association Summary

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

TestAmerica Job ID: NUG4357

GCMS Semivolatiles (Continued)

Analysis Batch: 11H0116 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUG4357-03	643 Dahlia	Total	Soil	SW846 8270D	11H0116_P
NUG4357-04	646 Dahlia	Total	Soil	SW846 8270D	11H0116_P
NUG4357-05	765 Althea	Total	Soil	SW846 8270D	11H0116_P
NUG4357-06	695 Abelia	Total	Soil	SW846 8270D	11H0116_P
NUG4357-03 - RE1	643 Dahlia	Total	Soil	SW846 8270D	11H0116_P

Prep Batch: 11H0116_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0116-BLK1	Method Blank	Total	Soil	EPA 3550C	
11H0116-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11H0116-MS1	Matrix Spike	Total	Soil	EPA 3550C	
11H0116-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NUG4357-01	642 Dahlia	Total	Soil	EPA 3550C	
NUG4357-02	641 Dahlia	Total	Soil	EPA 3550C	
NUG4357-03	643 Dahlia	Total	Soil	EPA 3550C	
NUG4357-04	646 Dahlia	Total	Soil	EPA 3550C	
NUG4357-05	765 Althea	Total	Soil	EPA 3550C	
NUG4357-06	695 Abelia	Total	Soil	EPA 3550C	
NUG4357-03 - RE1	643 Dahlia	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 11H1723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H1723-DUP1	Duplicate	Total	Soil	SW-846	11H1723_P
NUG4357-02	641 Dahlia	Total	Soil	SW-846	11H1723_P
NUG4357-03	643 Dahlia	Total	Soil	SW-846	11H1723_P
NUG4357-04	646 Dahlia	Total	Soil	SW-846	11H1723_P
NUG4357-05	765 Althea	Total	Soil	SW-846	11H1723_P
NUG4357-06	695 Abelia	Total	Soil	SW-846	11H1723_P

Analysis Batch: 11H2019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H2019-DUP1	Duplicate	Total	Soil	SW-846	11H2019_P
NUG4357-01	642 Dahlia	Total	Soil	SW-846	11H2019_P

Prep Batch: 11H1723_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H1723-DUP1	Duplicate	Total	Soil	% Solids	
NUG4357-02	641 Dahlia	Total	Soil	% Solids	
NUG4357-03	643 Dahlia	Total	Soil	% Solids	
NUG4357-04	646 Dahlia	Total	Soil	% Solids	
NUG4357-05	765 Althea	Total	Soil	% Solids	
NUG4357-06	695 Abelia	Total	Soil	% Solids	

Prep Batch: 11H2019_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H2019-DUP1	Duplicate	Total	Soil	% Solids	
NUG4357-01	642 Dahlia	Total	Soil	% Solids	

QC Association Summary

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

TestAmerica Job ID: NUG4357

Analysis Batch: U013970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUG4357-06	695 Abelia	Total	Soil	SW846 8260B	

Lab Chronicle

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

TestAmerica Job ID: NUG4357

Client Sample ID: 642 Dahlia

Lab Sample ID: NUG4357-01

Date Collected: 07/25/11 11:15

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.829	11H1688_P	07/25/11 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U014010	08/05/11 21:10	KKK	TAL NSH
Total	Prep	EPA 3550C		0.993	11H0116_P	08/05/11 08:20	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11H0116	08/05/11 15:12	BES	TAL NSH
Total	Prep	% Solids		1.00	11H2019_P	08/09/11 11:43	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11H2019	08/10/11 10:59	RRS	TAL NSH

Client Sample ID: 641 Dahlia

Lab Sample ID: NUG4357-02

Date Collected: 07/25/11 15:30

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.714	11H1688_P	07/25/11 15:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U014010	08/05/11 21:41	KKK	TAL NSH
Total	Prep	EPA 3550C		0.978	11H0116_P	08/05/11 08:20	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11H0116	08/05/11 15:31	BES	TAL NSH
Total	Prep	% Solids		1.00	11H1723_P	08/08/11 14:36	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11H1723	08/09/11 08:12	RRS	TAL NSH

Client Sample ID: 643 Dahlia

Lab Sample ID: NUG4357-03

Date Collected: 07/26/11 11:00

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.690	11G7174_P	07/26/11 11:00	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U013970	08/04/11 19:00	MJH	TAL NSH
Total	Prep	EPA 5035	RE1	0.685	11H1688_P	07/26/11 11:00	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U014010	08/05/11 23:16	KKK	TAL NSH
Total	Prep	EPA 3550C		0.985	11H0116_P	08/05/11 08:20	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11H0116	08/05/11 15:50	BES	TAL NSH
Total	Prep	EPA 3550C	RE1	0.985	11H0116_P	08/05/11 08:20	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE1	5.00	11H0116	08/06/11 18:24	BES	TAL NSH
Total	Prep	% Solids		1.00	11H1723_P	08/08/11 14:36	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11H1723	08/09/11 08:12	RRS	TAL NSH

Client Sample ID: 646 Dahlia

Lab Sample ID: NUG4357-04

Date Collected: 07/27/11 10:45

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.917	11G7174_P	07/27/11 10:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U013970	08/04/11 19:30	MJH	TAL NSH
Total	Prep	EPA 5035	RE1	0.772	11H1688_P	07/27/11 10:45	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U014010	08/05/11 23:48	KKK	TAL NSH
Total	Prep	EPA 3550C		0.990	11H0116_P	08/05/11 08:20	JJR	TAL NSH

Lab Chronicle

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

TestAmerica Job ID: NUG4357

Client Sample ID: 646 Dahlia

Lab Sample ID: NUG4357-04

Date Collected: 07/27/11 10:45

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SW846 8270D		1.00	11H0116	08/05/11 16:10	BES	TAL NSH
Total	Prep	% Solids		1.00	11H1723_P	08/08/11 14:36	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11H1723	08/09/11 08:12	RRS	TAL NSH

Client Sample ID: 765 Althea

Lab Sample ID: NUG4357-05

Date Collected: 07/27/11 15:15

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.753	11H1688_P	07/27/11 15:15	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U014010	08/05/11 22:13	KKK	TAL NSH
Total	Prep	EPA 3550C		0.969	11H0116_P	08/05/11 08:20	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11H0116	08/05/11 16:29	BES	TAL NSH
Total	Prep	% Solids		1.00	11H1723_P	08/08/11 14:36	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11H1723	08/09/11 08:12	RRS	TAL NSH

Client Sample ID: 695 Abelia

Lab Sample ID: NUG4357-06

Date Collected: 07/28/11 12:30

Matrix: Soil

Date Received: 07/30/11 08:35

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.899	11H1688_P	07/28/11 12:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U014010	08/05/11 22:45	KKK	TAL NSH
Total	Prep	EPA 3550C		0.996	11H0116_P	08/05/11 08:20	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11H0116	08/05/11 16:48	BES	TAL NSH
Total	Prep	% Solids		1.00	11H1723_P	08/08/11 14:36	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11H1723	08/09/11 08:12	RRS	TAL NSH
Total	Analysis	SW846 8260B		1.00	U013970	08/04/11 21:03		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: NUG4357

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: NUG4357

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.

ATTACHMENT A



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	
3. Generator's Mailing Address: MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907 4. Generator's Phone 843-228-6461	Generator's Site Address (if different than mailing):		A. Manifest Number WMNA 00316815	
			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	
G E N E R A T O R	11. Description of Waste Materials		12. Containers	
			No. Type	
	a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC		204 8.27	13. Total Quantity
	b. WM Profile #			14. Unit Wt./Vol.
	c. WM Profile #			I. Misc. Comments
d. WM Profile #				
J. Additional Descriptions for Materials Listed Above		K. Disposal Location		
		Cell	Level	
		Grid		
15. Special Handling Instructions and Additional Information UST'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" <i>[Signature]</i>		
		Month	Day Year	
		08	21 11	
T R A N S P O R T E R	17. Transporter 1 Acknowledgement of Receipt of Materials			
	Printed Name James Baldwin		Signature <i>[Signature]</i>	
			Month Day Year 8 2 11	
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name		Signature		
		Month Day Year		
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
Printed Name Toni Cofield		Signature <i>[Signature]</i>		
		Month	Day Year	
		8	2 11	

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

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

<p>Date Received</p> <p style="text-align: center;">State Use Only</p>

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
641 Dahlia 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.....

641Dahlia-2				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
5'4"				
No				
No				
Removed				
9/1/2015				
Yes				
Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 641Dahlia-2 was removed from the ground and recycled. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Contaminated water was pumped from UST 641Dahlia-2 and disposed by MCAS.

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.

641Dahlia-2				
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.

UST 641Dahlia-2 was the second tank removed from this residence.

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 #
541 Dahlia-2	Excav at fill end	Soil	Sandy	5'4"	9/1/15 1415 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

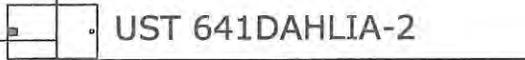
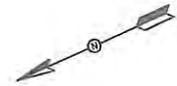
XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p style="padding-left: 40px;">If yes, indicate type of receptor, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p style="padding-left: 40px;">If yes, indicate type of well, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p style="padding-left: 40px;">If yes, indicate type of structure, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<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?</p> <p style="padding-left: 40px;">*Sewer, water, electricity, cable & fiber optic</p> <p style="padding-left: 40px;">If yes, indicate the type of utility, distance, and direction on the site map.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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?</p> <p style="padding-left: 40px;">If yes, indicate the area of contaminated soil on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

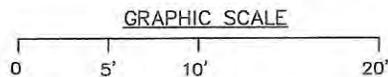
XIII. SITE MAP

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)



ASPHALT
DRIVEWAY



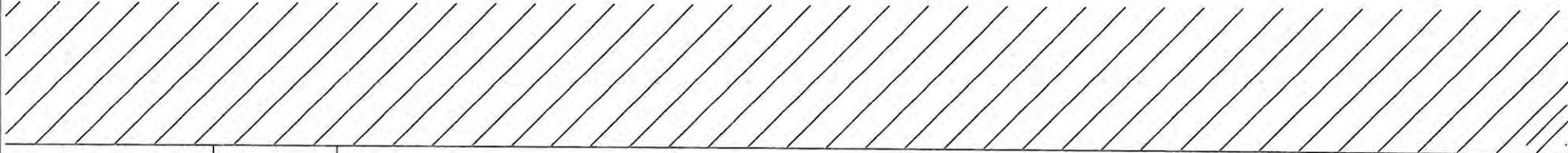
UST 641DAHLIA-2 WAS
28" BELOW GRADE.

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406
(843) 573-7140

FIGURE 1 SITE MAP
641 DAHLIA DRIVE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC	DWG DATE SEPT 2015
----------------	--------------------

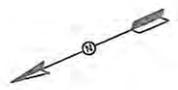
641 DAHLIA DRIVE



*EXCAVATION

FILL END

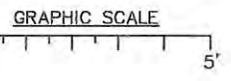
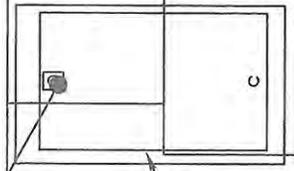
CONCRETE PORCH



GRASS

SOIL SAMPLE
641 DAHLIA-2

UST 641DAHLIA-2
280 GAL.



*A PORTION OF THE CONCRETE PORCH & SIDEWALK WERE REMOVED TO FACILITATE TANK EXTRACTION.

SBG-EEG

7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406
(843) 573-7140

FIGURE 2 SITE MAP
641 DAHLIA DRIVE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE SEPT 2015



Picture 1: Location of UST 641 Dahlia.



Picture 2: Tank being lifted from the excavation.



Picture 3: UST 636Dahlia excavation.



Picture 4: Site after tank removal is completed.

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	641Dahlia-2						
Benzene		ND						
Toluene		ND						
Ethylbenzene		ND						
Xylenes		0.00389 mg/kg						
Naphthalene		0.0608 mg/kg						
Benzo (a) anthracene		ND						
Benzo (b) fluoranthene		ND						
Benzo (k) fluoranthene		ND						
Chrysene		ND						
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 Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-86824-1

Client Project/Site: Laurel Bay Housing Project

For:
Small Business Group Inc.
10179 Highway 78
Ladson, South Carolina 29456

Attn: Tom McElwee



Authorized for release by:
9/18/2015 4:26:25 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com



LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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QC Sample Results	7
QC Association	12
Chronicle	13
Method Summary	14
Certification Summary	15
Chain of Custody	16
Receipt Checklists	18

Sample Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Lab Sample ID
490-86824-1

Client Sample ID
641 Dahlia-2

Matrix
Solid

Collected	Received
09/01/15 14:15	09/05/15 10:00

3

TestAmerica Nashville

Case Narrative

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Job ID: 490-86824-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-86824-1

Comments

No additional comments.

Receipt

The sample was received on 9/5/2015 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: 641 Dahlia-2 (490-86824-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Definitions/Glossary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Qualifiers

GC/MS VOA

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

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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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TestAmerica Nashville

Client Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Client Sample ID: 641 Dahlia-2

Lab Sample ID: 490-86824-1

Date Collected: 09/01/15 14:15

Matrix: Solid

Date Received: 09/05/15 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00181	0.000605	mg/Kg	⊕	09/01/15 14:15	09/10/15 19:58	1
Ethylbenzene	ND		0.00181	0.000605	mg/Kg	⊕	09/01/15 14:15	09/10/15 19:58	1
Naphthalene	0.0608		0.00451	0.00153	mg/Kg	⊕	09/01/15 14:15	09/10/15 19:58	1
Toluene	ND		0.00181	0.000668	mg/Kg	⊕	09/01/15 14:15	09/10/15 19:58	1
Xylenes, Total	0.00389	J	0.00451	0.00111	mg/Kg	⊕	09/01/15 14:15	09/10/15 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 130	09/01/15 14:15	09/10/15 19:58	1
4-Bromofluorobenzene (Surr)	156	X	70 - 130	09/01/15 14:15	09/10/15 19:58	1
Dibromofluoromethane (Surr)	101		70 - 130	09/01/15 14:15	09/10/15 19:58	1
Toluene-d8 (Surr)	100		70 - 130	09/01/15 14:15	09/10/15 19:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0814	0.0121	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Acenaphthylene	ND		0.0814	0.0109	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Anthracene	ND		0.0814	0.0109	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Benzo[a]anthracene	ND		0.0814	0.0182	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Benzo[a]pyrene	ND		0.0814	0.0146	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Benzo[b]fluoranthene	ND		0.0814	0.0146	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Benzo[g,h,i]perylene	ND		0.0814	0.0109	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Benzo[k]fluoranthene	ND		0.0814	0.0170	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
1-Methylnaphthalene	ND		0.0814	0.0170	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Pyrene	0.0852		0.0814	0.0146	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Phenanthrene	ND		0.0814	0.0109	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Chrysene	ND		0.0814	0.0109	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Dibenz(a,h)anthracene	ND		0.0814	0.00850	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Fluoranthene	0.119		0.0814	0.0109	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Fluorene	ND		0.0814	0.0146	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Indeno[1,2,3-cd]pyrene	ND		0.0814	0.0121	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
Naphthalene	ND		0.0814	0.0109	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1
2-Methylnaphthalene	ND		0.0814	0.0194	mg/Kg	⊕	09/09/15 15:03	09/09/15 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		29 - 120	09/09/15 15:03	09/09/15 22:13	1
Terphenyl-d14 (Surr)	78		13 - 120	09/09/15 15:03	09/09/15 22:13	1
Nitrobenzene-d5 (Surr)	64		27 - 120	09/09/15 15:03	09/09/15 22:13	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10	0.10	%			09/08/15 09:55	1

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QC Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-280118/1-A
Matrix: Solid
Analysis Batch: 280403

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 280118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg		09/09/15 11:34	09/10/15 13:37	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg		09/09/15 11:34	09/10/15 13:37	1
Naphthalene	ND		0.00500	0.00170	mg/Kg		09/09/15 11:34	09/10/15 13:37	1
Toluene	ND		0.00200	0.000740	mg/Kg		09/09/15 11:34	09/10/15 13:37	1
Xylenes, Total	ND		0.00500	0.00123	mg/Kg		09/09/15 11:34	09/10/15 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130	09/09/15 11:34	09/10/15 13:37	1
4-Bromofluorobenzene (Surr)	103		70 - 130	09/09/15 11:34	09/10/15 13:37	1
Dibromofluoromethane (Surr)	101		70 - 130	09/09/15 11:34	09/10/15 13:37	1
Toluene-d8 (Surr)	94		70 - 130	09/09/15 11:34	09/10/15 13:37	1

Lab Sample ID: LCS 490-280118/2-A
Matrix: Solid
Analysis Batch: 280403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 280118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.04797		mg/Kg		96	75 - 127
Ethylbenzene	0.0500	0.05409		mg/Kg		108	80 - 134
Naphthalene	0.0500	0.04930		mg/Kg		99	69 - 150
Toluene	0.0500	0.05161		mg/Kg		103	80 - 132
Xylenes, Total	0.100	0.1022		mg/Kg		102	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 490-280118/3-A
Matrix: Solid
Analysis Batch: 280403

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 280118

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04492		mg/Kg		90	75 - 127	7	50
Ethylbenzene	0.0500	0.05078		mg/Kg		102	80 - 134	6	50
Naphthalene	0.0500	0.04859		mg/Kg		97	69 - 150	1	50
Toluene	0.0500	0.04772		mg/Kg		95	80 - 132	8	50
Xylenes, Total	0.100	0.09423		mg/Kg		94	80 - 137	8	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	98		70 - 130

TestAmerica Nashville

QC Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-86785-A-26-F MS
Matrix: Solid
Analysis Batch: 280403

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 280118
%Rec.

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	0.00205		0.0417	0.04009		mg/Kg		91	31 - 143
Ethylbenzene		ND	0.0417	0.04153		mg/Kg		100	23 - 161
Naphthalene	0.00191	J	0.0417	0.03493		mg/Kg		79	10 - 176
Toluene	0.00246		0.0417	0.04174		mg/Kg		94	30 - 155
Xylenes, Total	0.00248	J	0.0835	0.07767		mg/Kg		90	25 - 162

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	82		70 - 130
4-Bromofluorobenzene (Surr)	107		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: 490-86785-A-26-G MSD
Matrix: Solid
Analysis Batch: 280403

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 280118
%Rec. RPD

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	0.00205		0.0461	0.04268		mg/Kg		88	31 - 143	6	50
Ethylbenzene		ND	0.0461	0.04485		mg/Kg		97	23 - 161	8	50
Naphthalene	0.00191	J	0.0461	0.03081		mg/Kg		63	10 - 176	13	50
Toluene	0.00246		0.0461	0.04436		mg/Kg		91	30 - 155	6	50
Xylenes, Total	0.00248	J	0.0923	0.08334		mg/Kg		88	25 - 162	7	50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	83		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-280218/1-A
Matrix: Solid
Analysis Batch: 280194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 280218

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Acenaphthene	ND		0.0670	0.0100	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Anthracene	ND		0.0670	0.00900	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Pyrene	ND		0.0670	0.0120	mg/Kg		09/09/15 15:03	09/09/15 17:50		1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		09/09/15 15:03	09/09/15 17:50		1

TestAmerica Nashville

QC Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-280218/1-A
Matrix: Solid
Analysis Batch: 280194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 280218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.0670	0.00900	mg/Kg		09/09/15 15:03	09/09/15 17:50	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		09/09/15 15:03	09/09/15 17:50	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		09/09/15 15:03	09/09/15 17:50	1
Fluorene	ND		0.0670	0.0120	mg/Kg		09/09/15 15:03	09/09/15 17:50	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		09/09/15 15:03	09/09/15 17:50	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		09/09/15 15:03	09/09/15 17:50	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		09/09/15 15:03	09/09/15 17:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		29 - 120	09/09/15 15:03	09/09/15 17:50	1
Terphenyl-d14 (Surr)	83		13 - 120	09/09/15 15:03	09/09/15 17:50	1
Nitrobenzene-d5 (Surr)	74		27 - 120	09/09/15 15:03	09/09/15 17:50	1

Lab Sample ID: LCS 490-280218/2-A
Matrix: Solid
Analysis Batch: 280194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 280218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthylene	1.67	1.219		mg/Kg		73	38 - 120
Anthracene	1.67	1.276		mg/Kg		77	46 - 124
Benzo[a]anthracene	1.67	1.288		mg/Kg		77	45 - 120
Benzo[a]pyrene	1.67	1.275		mg/Kg		76	45 - 120
Benzo[b]fluoranthene	1.67	1.245		mg/Kg		75	42 - 120
Benzo[g,h,i]perylene	1.67	1.341		mg/Kg		80	38 - 120
Benzo[k]fluoranthene	1.67	1.298		mg/Kg		78	42 - 120
1-Methylnaphthalene	1.67	1.220		mg/Kg		73	32 - 120
Pyrene	1.67	1.264		mg/Kg		76	43 - 120
Phenanthrene	1.67	1.221		mg/Kg		73	45 - 120
Chrysene	1.67	1.286		mg/Kg		77	43 - 120
Dibenz(a,h)anthracene	1.67	1.342		mg/Kg		81	32 - 128
Fluoranthene	1.67	1.286		mg/Kg		77	46 - 120
Fluorene	1.67	1.209		mg/Kg		73	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.307		mg/Kg		78	41 - 121
Naphthalene	1.67	1.127		mg/Kg		68	32 - 120
2-Methylnaphthalene	1.67	1.136		mg/Kg		68	28 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	76		29 - 120
Terphenyl-d14 (Surr)	85		13 - 120
Nitrobenzene-d5 (Surr)	80		27 - 120

Lab Sample ID: 490-86752-A-1-F MS
Matrix: Solid
Analysis Batch: 280194

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 280218

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthylene	ND		1.62	0.9915		mg/Kg		61	25 - 120
Anthracene	ND		1.62	1.054		mg/Kg		65	28 - 125

TestAmerica Nashville

QC Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-86752-A-1-F MS
Matrix: Solid
Analysis Batch: 280194

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 280218
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzo[a]anthracene	ND		1.62	1.079		mg/Kg		67	23 - 120
Benzo[a]pyrene	ND		1.62	1.059		mg/Kg		65	15 - 128
Benzo[b]fluoranthene	ND		1.62	1.099		mg/Kg		68	12 - 133
Benzo[g,h,i]perylene	ND		1.62	1.098		mg/Kg		68	22 - 120
Benzo[k]fluoranthene	ND		1.62	1.021		mg/Kg		63	28 - 120
1-Methylnaphthalene	ND		1.62	0.8923		mg/Kg		55	10 - 120
Pyrene	ND		1.62	1.047		mg/Kg		65	20 - 123
Phenanthrene	ND		1.62	1.015		mg/Kg		63	21 - 122
Chrysene	ND		1.62	1.039		mg/Kg		64	20 - 120
Dibenz(a,h)anthracene	ND		1.62	1.080		mg/Kg		67	12 - 128
Fluoranthene	ND		1.62	1.095		mg/Kg		68	10 - 143
Fluorene	ND		1.62	0.9960		mg/Kg		62	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.62	1.052		mg/Kg		65	22 - 121
Naphthalene	ND		1.62	0.7547		mg/Kg		47	10 - 120
2-Methylnaphthalene	ND		1.62	0.8283		mg/Kg		51	13 - 120

MS MS

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	57		29 - 120
Terphenyl-d14 (Surr)	67		13 - 120
Nitrobenzene-d5 (Surr)	51		27 - 120

Lab Sample ID: 490-86752-A-1-G MSD
Matrix: Solid
Analysis Batch: 280194

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 280218
%Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthylene	ND		1.63	1.089		mg/Kg		67	25 - 120	9	50
Anthracene	ND		1.63	1.087		mg/Kg		67	28 - 125	3	49
Benzo[a]anthracene	ND		1.63	1.090		mg/Kg		67	23 - 120	1	50
Benzo[a]pyrene	ND		1.63	1.089		mg/Kg		67	15 - 128	3	50
Benzo[b]fluoranthene	ND		1.63	1.085		mg/Kg		67	12 - 133	1	50
Benzo[g,h,i]perylene	ND		1.63	1.125		mg/Kg		69	22 - 120	2	50
Benzo[k]fluoranthene	ND		1.63	1.089		mg/Kg		67	28 - 120	6	45
1-Methylnaphthalene	ND		1.63	1.052		mg/Kg		65	10 - 120	16	50
Pyrene	ND		1.63	1.055		mg/Kg		65	20 - 123	1	50
Phenanthrene	ND		1.63	1.036		mg/Kg		64	21 - 122	2	50
Chrysene	ND		1.63	1.065		mg/Kg		65	20 - 120	3	49
Dibenz(a,h)anthracene	ND		1.63	1.115		mg/Kg		68	12 - 128	3	50
Fluoranthene	ND		1.63	1.109		mg/Kg		68	10 - 143	1	50
Fluorene	ND		1.63	1.031		mg/Kg		63	20 - 120	3	50
Indeno[1,2,3-cd]pyrene	ND		1.63	1.084		mg/Kg		67	22 - 121	3	50
Naphthalene	ND		1.63	0.9730		mg/Kg		60	10 - 120	25	50
2-Methylnaphthalene	ND		1.63	0.9913		mg/Kg		61	13 - 120	18	50

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	66		29 - 120
Terphenyl-d14 (Surr)	69		13 - 120

TestAmerica Nashville

QC Sample Results

Client: Small Business Group Inc.
 Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-86752-A-1-G MSD
 Matrix: Solid
 Analysis Batch: 280194

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 280218

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	66		27 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 490-86809-A-6 DU
 Matrix: Solid
 Analysis Batch: 279700

Client Sample ID: Duplicate
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	72		72		%		0.1	20

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QC Association Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

GC/MS VOA

Prep Batch: 280118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-86785-A-26-F MS	Matrix Spike	Total/NA	Solid	5030B	
490-86785-A-26-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	
LCS 490-280118/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 490-280118/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 490-280118/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 280403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-86785-A-26-F MS	Matrix Spike	Total/NA	Solid	8260B	280118
490-86785-A-26-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	280118
490-86824-1	641 Dahlia-2	Total/NA	Solid	8260B	280414
LCS 490-280118/2-A	Lab Control Sample	Total/NA	Solid	8260B	280118
LCSD 490-280118/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	280118
MB 490-280118/1-A	Method Blank	Total/NA	Solid	8260B	280118

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Prep Batch: 280414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-86824-1	641 Dahlia-2	Total/NA	Solid	5035	

GC/MS Semi VOA

Analysis Batch: 280194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-86752-A-1-F MS	Matrix Spike	Total/NA	Solid	8270D	280218
490-86752-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	280218
490-86824-1	641 Dahlia-2	Total/NA	Solid	8270D	280218
LCS 490-280218/2-A	Lab Control Sample	Total/NA	Solid	8270D	280218
MB 490-280218/1-A	Method Blank	Total/NA	Solid	8270D	280218

Prep Batch: 280218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-86752-A-1-F MS	Matrix Spike	Total/NA	Solid	3550C	
490-86752-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-86824-1	641 Dahlia-2	Total/NA	Solid	3550C	
LCS 490-280218/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-280218/1-A	Method Blank	Total/NA	Solid	3550C	

General Chemistry

Analysis Batch: 279700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-86784-A-2 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-86784-C-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-86809-A-6 DU	Duplicate	Total/NA	Solid	Moisture	
490-86824-1	641 Dahlia-2	Total/NA	Solid	Moisture	

TestAmerica Nashville

Lab Chronicle

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-86824-1

Client Sample ID: 641 Dahlia-2

Date Collected: 09/01/15 14:15

Date Received: 09/05/15 10:00

Lab Sample ID: 490-86824-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.786 g	5.0 mL	280414	09/01/15 14:15	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.786 g	5.0 mL	280403	09/10/15 19:58	RP	TAL NSH
Total/NA	Prep	3550C			30.27 g	1 mL	280218	09/09/15 15:03	LDC	TAL NSH
Total/NA	Analysis	8270D		1	30.27 g	1 mL	280194	09/09/15 22:13	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			279700	09/08/15 09:55	MNM	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177



COOLER RECEIPT FORM

Charleston

Cooler Received/Opened On: 9/5/2015 @1000



490-86824 Chain of Custody

1. Tracking # 3987 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: 3.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: 2 Front/Back

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (Initial) Ⓟ

7. Were custody seals on containers: YES NO and intact YES...NO... NA

Were these signed and dated correctly? YES...NO... NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES...NO... NA

14. Was there a Trip Blank in this cooler? YES... NO NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO... NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES...NO... NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) MDM

I certify that I attached a label with the unique LIMS number to each container (initial) MDM

21. Were there Non-Conformance issues at login? YES... NO Was a NCM generated? YES... NO...# _____

Login Sample Receipt Checklist

Client: Small Business Group Inc.

Job Number: 490-86824-1

Login Number: 86824

List Source: TestAmerica Nashville

List Number: 1

Creator: McBride, Mike

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

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

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

TANK ID & LOCATION

UST 641Dahlia-2, 641 Dahlia Drive, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

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

TYPE OF TANK

SIZE (GAL)

Steel

280

CLEANING/DISPOSAL METHOD

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

DISPOSAL CERTIFICATION

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

TC Wade, 10/9/15
(Name) (Date)

Appendix C
Laboratory Analytical Report - Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC03027-009
Description: BEALB641TW02WG20170301	Matrix: Aqueous
Date Sampled: 03/01/2017 1645	
Date Received: 03/03/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/07/2017 1211	PMV		36403

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	1.1		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		104	85-114
Dibromofluoromethane		107	80-119
1,2-Dichloroethane-d4		100	81-118
Toluene-d8		99	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

Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC03027-009
Description: BEALB641TW02WG20170301	Matrix: Aqueous
Date Sampled: 03/01/2017 1645	
Date Received: 03/03/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/11/2017 0019	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		77	44-120
2-Fluorobiphenyl		71	44-119
Terphenyl-d14		87	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

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC03027-010
Description: BEALB641TW02WG20170301-a	Matrix: Aqueous
Date Sampled: 03/01/2017 1645	
Date Received: 03/03/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/07/2017 1233	PMV		36403

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	1.2		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		106	85-114
Dibromofluoromethane		110	80-119
1,2-Dichloroethane-d4		101	81-118
Toluene-d8		100	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: SC03027-010
Description: BEALB641TW02WG20170301-a	Matrix: Aqueous
Date Sampled: 03/01/2017 1645	
Date Received: 03/03/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/11/2017 0043	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		66	44-120
2-Fluorobiphenyl		61	44-119
Terphenyl-d14		75	50-134

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

Appendix D
Regulatory Correspondence



August 1, 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
Dated July 2015, November 2015, March 2016

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,

A handwritten signature in blue ink, appearing to read "Laurel Petrus".

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

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 1, 2016
Subject: IGWA, Laurel Bay Underground Tank Assessment Reports
Dated July 2015, November 2015, March 2016

Draft Final Initial Groundwater Investigation Report for (7 addresses/8 tanks)

Permanent Monitoring Well Investigation recommendation	
465 Dogwood Tank 2	254 Beech Tank 2
1352 Cardinal Tank 2*	641 Dahlia Tank 2
121 Banyan	1346 Cardinal
254 Beech Tank 1	1177 Bobwhite
* IGWA well has already been installed along with 1352 Cardinal Tank 1 and a recommendation for permanent wells and groundwater monitoring was approved 2/22/16	



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 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	



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):

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

No Further Action recommendation (49 addresses):

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