SUMMARY REPORT
600 DAHLIA DRIVE (FORMERLY 643 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
10560 Arrowhead Drive, Suite 500
Fairfax, Virginia 22030

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

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List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 600 Dahlia Drive (Formerly 643 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 600 Dahlia Drive (Formerly 643 Dahlia Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 643 Dahlia Drive* (MCAS Beaufort, 2011) and *SCDHEC UST Assessment Report – 643 Dahlia Drive* (MCAS Beaufort, 2013). The UST Assessment Reports are provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016). 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 2013, two 280 gallon heating oil USTs were removed at 600 Dahlia Drive (Formerly 643 Dahlia Drive). Tank 1 was removed on July 26, 2011 from the front landscaped bed area adjacent to the front concrete porch. Tank 2 was removed on March 7, 2013 from the

underneath the front concrete porch. The former UST locations are indicated on Figures 2 and 3 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 removal. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 4'5" (Tank 1) and 5'6" (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 Reports 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 the former UST location (Tank 1) at 600 Dahlia Drive (Formerly 643 Dahlia Drive) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated July 1, 2015, SCDHEC requested an IGWA be conducted at the former UST locations (Tank 1) at 600 Dahlia Drive (Formerly 643 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 November 16, 2015, a temporary monitoring well was installed at 600 Dahlia Drive (Formerly 643 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 (Tanks 1 and 2) are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016).

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 – November and December 2015* (Resolution Consultants, 2016).

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 600 Dahlia Drive (Formerly 643 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 groundwater, SCDHEC made the determination that NFA was required for 600 Dahlia Drive (Formerly 643 Dahlia Drive). This NFA determination was obtained in a letter dated June 8, 2016. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 643 Dahlia Drive, Laurel Bay Military Housing Area*, December 2011.

Marine Corps Air Station Beaufort, 2013. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 643 Dahlia Drive, Laurel Bay Military Housing Area*, October 2013.

Resolution Consultants, 2016. *Initial Groundwater Investigation Report – November and December 2015 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, April 2016.

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
600 Dahlia Drive (Formerly 643 Dahlia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 07/26/11 and 03/07/13	
		643 Dahlia 07/26/11	643 Dahlia - a 03/07/13
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	**0.00119**	ND
Ethylbenzene	1.15	**0.399**	ND
Naphthalene	0.036	**5.21**	**0.0203**
Toluene	0.627	**0.00883**	ND
Xylenes, Total	13.01	**1.49**	ND
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
600 Dahlia Drive (Formerly 643 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 11/16/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	**1.0**
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

[2] Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of $1x10^{-6}$, 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

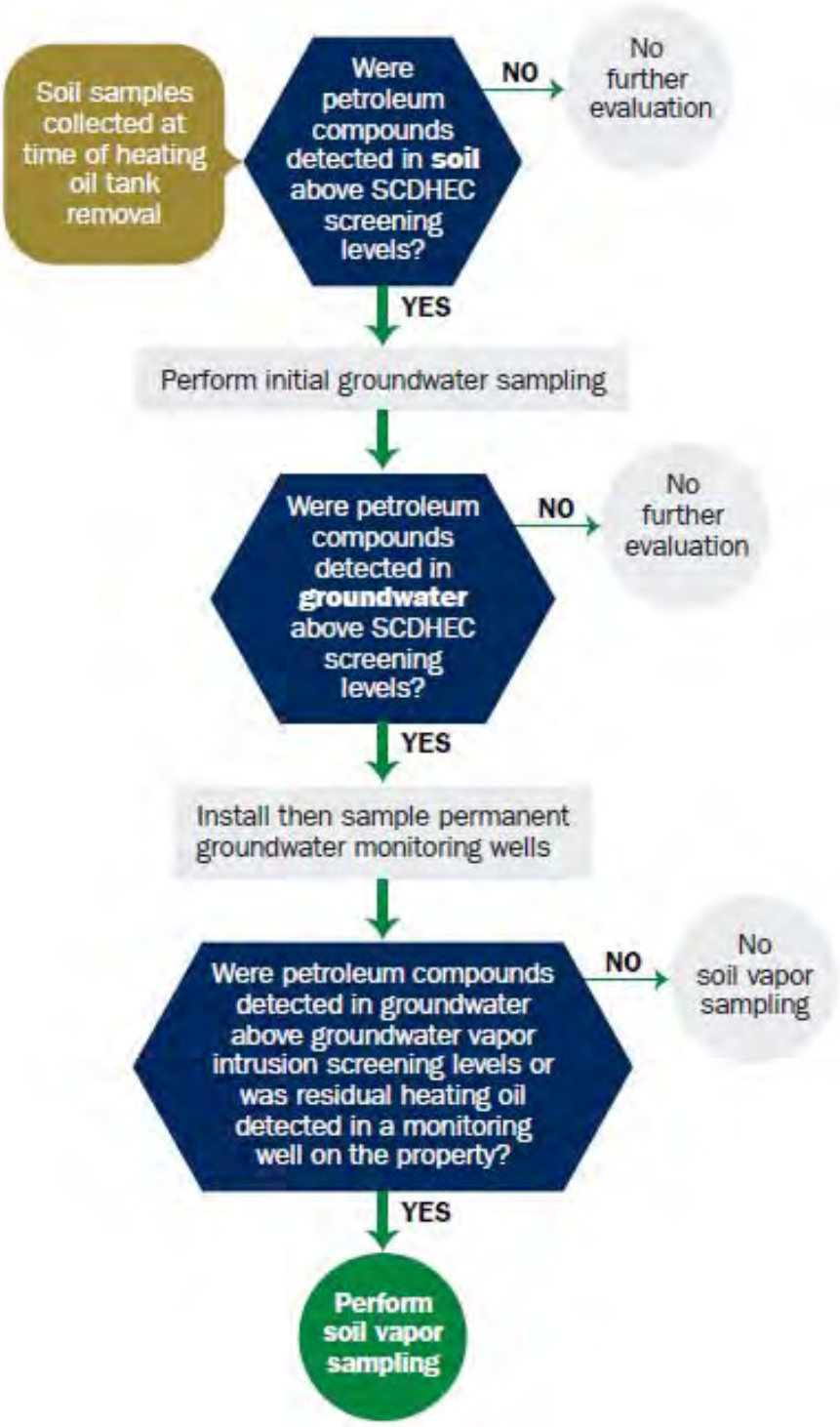
SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

CDM - AECOM
Multimedia Joint Venture

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

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

643 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

	643Dahlia				
A. Product...(ex. Gas, Kerosene).....	Heating oil				
B. Capacity..(ex. 1k, 2k).....	280 gal				
C. Age.....	Late 1950s				
D. Construction Material..(ex. Steel, FRP).....	Steel				
E. Month/Year of Last Use.....	Mid 1980s				
F. Depth (ft.) To Base of Tank.....	4'5"				
G. Spill Prevention Equipment Y/N.....	No				
H. Overfill Prevention Equipment Y/N.....	No				
I. Method of Closure Removed/Filled.....	Removed				
J. Date Tanks Removed/Filled.....	7/26/11				
K. Visible Corrosion or Pitting Y/N.....	Yes				
L. Visible Holes Y/N.....	Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 643Dahlia 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 643Dahlia had been previously filled with sand by others.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

643Dahlia				
Steel & Copper				
N/A				
N/A				
Suction				
No				
Yes				
No				
Late 1950s				

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.

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
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		X	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? If yes, indicate location on site map and describe the odor (strong, mild, etc.)		X	
C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		X	
D. Did contaminated soils remain stockpiled on site after closure? If yes, indicate the stockpile location on the site map. Name of DHEC representative authorizing soil removal:		X	
E. Was a petroleum sheen or free product detected on any excavation or boring waters? If yes, indicate location and thickness.		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 #
643 Dahlia	Excav at fill end	Soil	Sandy	4'5"	7/26/11 1100 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

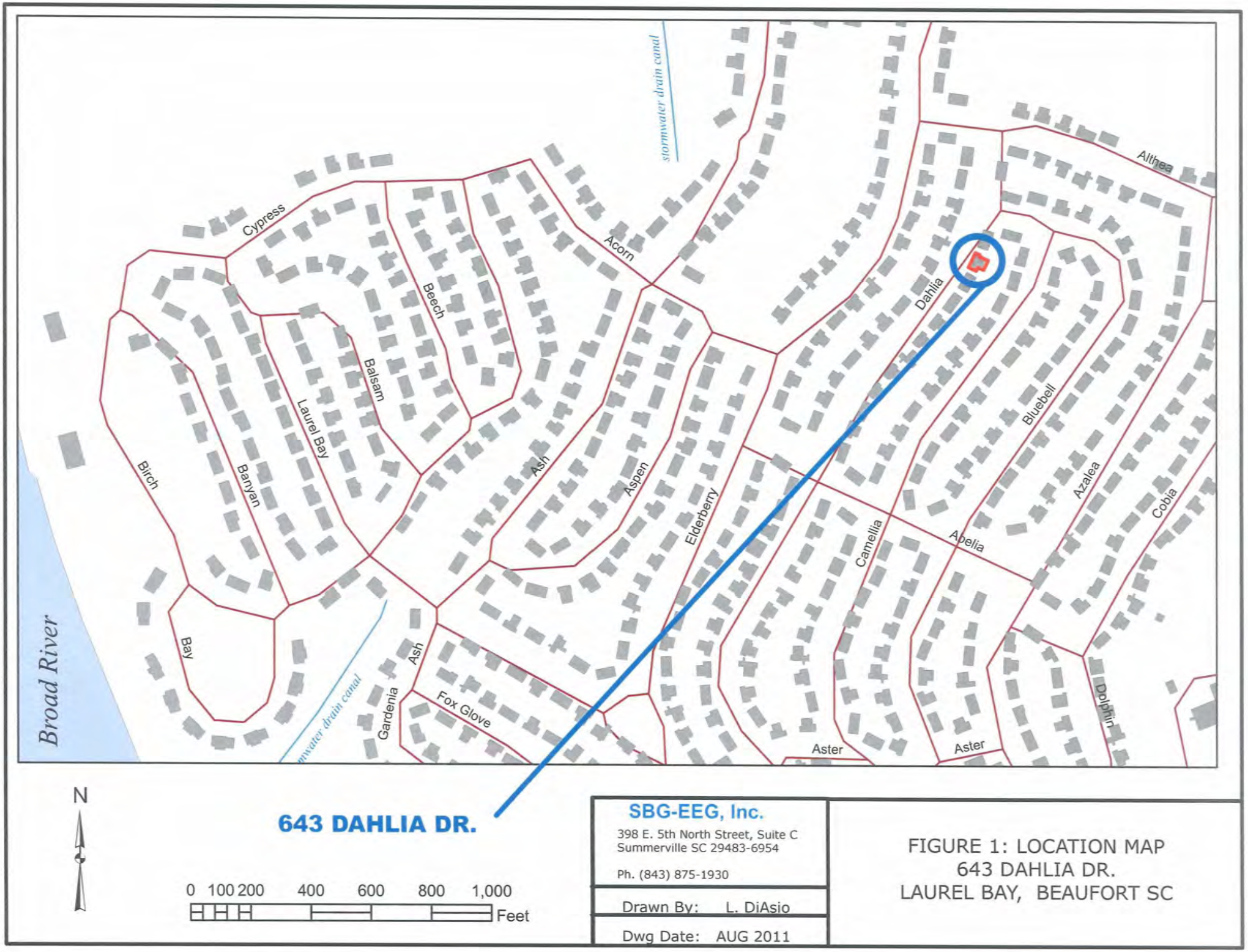
XII. RECEPTORS

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

XIII. SITE MAP

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

(Attach Site Map Here)

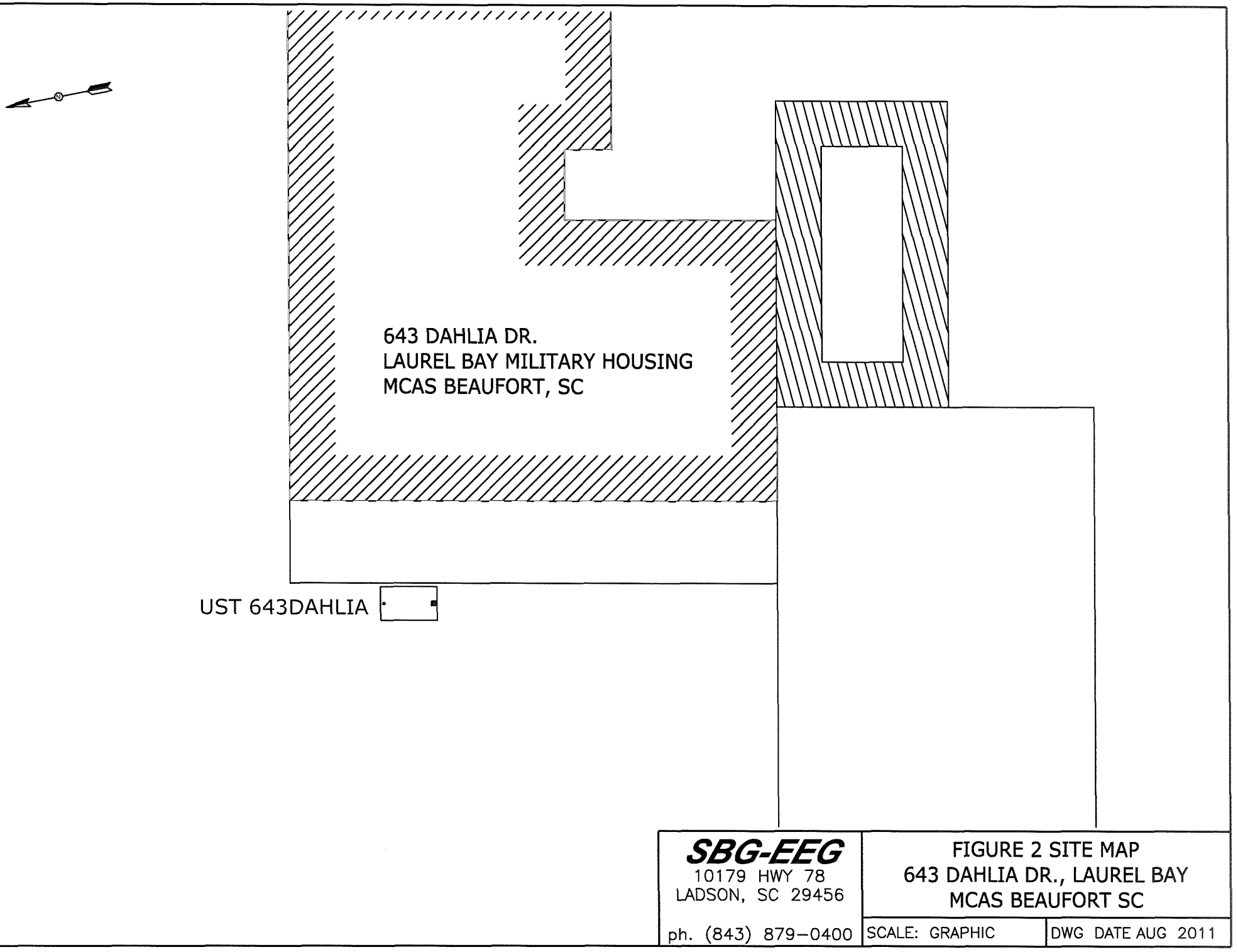


SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: AUG 2011

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

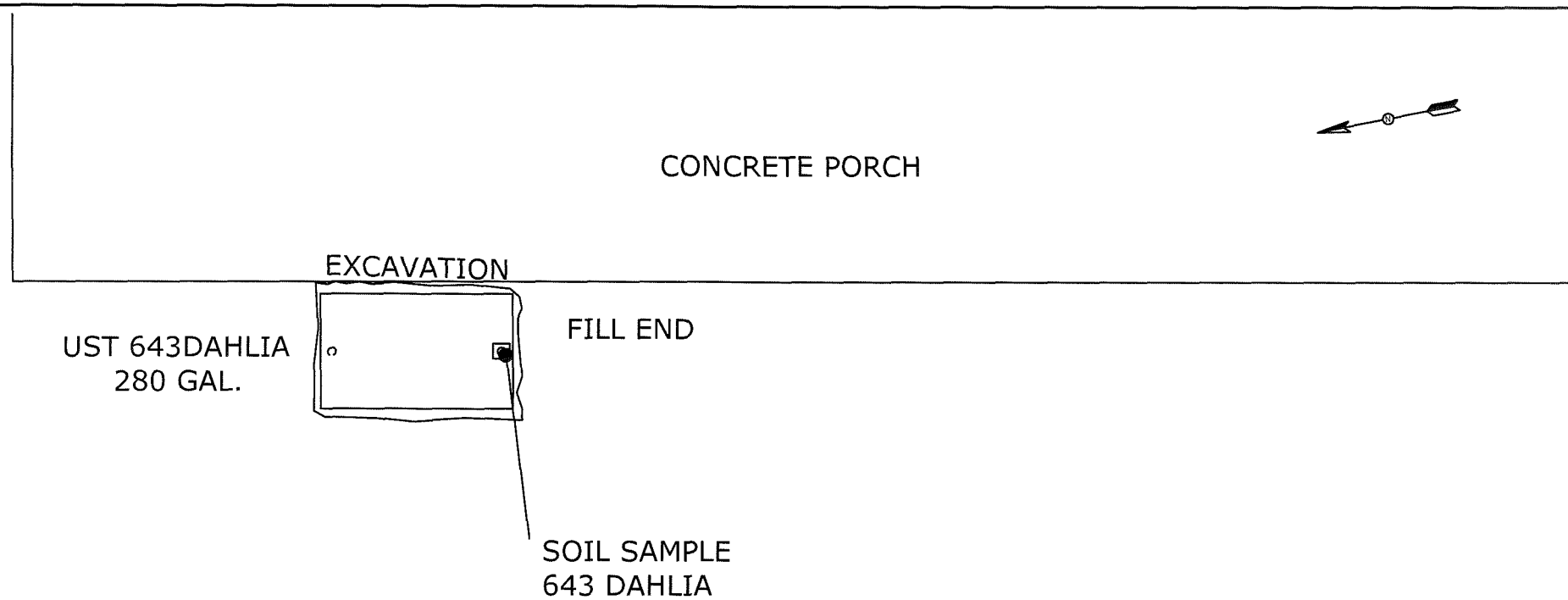


SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 2 SITE MAP
643 DAHLIA DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE AUG 2011



GRAPHIC SCALE
0 5'

TANK DEPTH BELOW GRADE
643DAHLIA = 17"

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

FIGURE 3 UST SAMPLE LOCATIONS
643 DAHLIA DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE AUG 2011

Picture 1: Location of UST 643Dahlia.

Picture 2: UST 643Dahlia excavation in progress.

XIV. SUMMARY OF ANALYSIS RESULTS

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

CoC UST	643Dahlia						
Benzene	0.00119 mg/kg						
Toluene	0.00883 mg/kg						
Ethylbenzene	0.399 mg/kg						
Xylenes	1.49 mg/kg						
Naphthalene	5.21 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

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

Table of Contents

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 ID: 642 Dahlia
Date Collected: 07/25/11 11:15
Date Received: 07/30/11 08:35

Lab Sample ID: NUG4357-01
Matrix: Soil
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 ID: 641 Dahlia
Date Collected: 07/25/11 15:30
Date Received: 07/30/11 08:35

Lab Sample ID: NUG4357-02
Matrix: Soil
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 ID: 643 Dahlia

Date Collected: 07/26/11 11:00
Date Received: 07/30/11 08:35

Lab Sample ID: NUG4357-03

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

TestAmerica Job ID: NUG4357

Client Sample ID: 643 Dahlia
Date Collected: 07/26/11 11:00
Date Received: 07/30/11 08:35

Lab Sample ID: NUG4357-03
Matrix: Soil
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 ID: 646 Dahlia
Date Collected: 07/27/11 10:45
Date Received: 07/30/11 08:35

Lab Sample ID: NUG4357-04
Matrix: Soil
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: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG4357

Client Sample ID: 765 Althea
Date Collected: 07/27/11 15:15
Date Received: 07/30/11 08:35

Lab Sample ID: NUG4357-05
Matrix: Soil
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 ID: 695 Abelia

Date Collected: 07/28/11 12:30
Date Received: 07/30/11 08:35

Lab Sample ID: NUG4357-06

Matrix: Soil
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

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

Lab Sample ID: 11G7174-BLK1
Matrix: Soil
Analysis Batch: U013970

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G7174_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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
Matrix: Soil
Analysis Batch: U013970

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G7174_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
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 % Recovery*	*LCS Qualifier*	*Limits*
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
Matrix: Soil
Analysis Batch: U013970

Client Sample ID: 695 Abelia
Prep Type: Total
Prep Batch: 11G7174_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
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 % Recovery*	*Matrix Spike Qualifier*	*Limits*
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*

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 Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
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 % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*101*		*67 - 138*
Dibromofluoromethane	*104*		*75 - 125*
Toluene-d8	*101*		*76 - 129*
4-Bromofluorobenzene	*107*		*67 - 147*

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 Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
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 % Recovery*	*Matrix Spike Qualifier*	*Limits*
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 Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
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 % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
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 Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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

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

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

Client Sample ID: Method Blank
Prep Type: Total
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
Matrix: Soil
Analysis Batch: 11H0116

Client Sample ID: Lab Control Sample
Prep Type: Total
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
Matrix: Soil
Analysis Batch: 11H0116

Client Sample ID: Matrix Spike
Prep Type: Total
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

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

Lab Sample ID: 11H0116-MS1
Matrix: Soil
Analysis Batch: 11H0116

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11H0116_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
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

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
Terphenyl-d14	*63*		*18 - 120*
2-Fluorobiphenyl	*59*		*14 - 120*
Nitrobenzene-d5	*57*		*17 - 120*

Lab Sample ID: 11H0116-MSD1
Matrix: Soil
Analysis Batch: 11H0116

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11H0116_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	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

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Terphenyl-d14	*66*		*18 - 120*
2-Fluorobiphenyl	*59*		*14 - 120*
Nitrobenzene-d5	*57*		*17 - 120*

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

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

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	

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	

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

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.

NUG4357

08/15/11 23:59

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

Client Name/Account #: EEG - SBG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Project Manager: Tom McElwee email: mcelwee@eeginc.net
Telephone Number: 843.412.2097 Fax No.: 843-879-0401
Sampler Name: (Print) Prath Sriram
Sampler Signature:

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring? Yes ____ No ____
Enforcement Action? Yes ____ No ____

Site State: SC
PO#: 1027
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

Sample ID / Description	Date Sampled	Time Sampled	No of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label) 7:30 Methanol	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	RUSH TAT (Pre-Schedule)
642 Dahlia	7/25/11	1115	5	X					2				2	1					X		X	X	
641 Dahlia	7/25/11	1530	5	X					2				2	1					X		X	X	
643 Dahlia	7/26/11	1100	5	X					2				2	1					X		X	X	
646 Dahlia	7/27/11	1045	5	X					2				2	1					X		X	X	
765 Althea	7/27/11	1515	5	X					2				2	1					X		X	X	
695 Abelia	7/28/11	1230	5	X					2				2	1					X		X	X	

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	7/29/11	1000	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				7-30-11	8:35

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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 00316814

B. State Generator's ID

5. Transporter 1 Company Name
EEG, INC.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 843-879-0411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
2621 LOW COUNTRY ROAD
RIDGELAND, SC 29936

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 843-987-4643

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC		20Y	10.25		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
UST'S FROM: 1) 331 Ash ✓ 2) 335 Ash ✓-2 3) 347 Ash ✓ 4) 346 Ash ✓ 5) 471 Dogwood ✓ 6) 465 Dogwood ✓ 7) 643 Dahlia

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	Signature "On behalf of"	Month	Day	Year
W.C. Dukes, II		08	01	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
JAMES Baldwin	James Baldwin	8	2	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Toni Cofield	Toni Cofield	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

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received
State Use Only

RECEIVED
OCT 23 2013
SC DHEC - Bureau of Land & Waste Management

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

I. OWNERSHIP OF UST (S)

MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde)
Owner Name (Corporation, Individual, Public Agency, Other)

P.O. Box 55001
Mailing Address

Beaufort,	South Carolina	29904-5001
City	State	Zip Code

843	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
Facility Name or Company Site Identifier

643 Dahlia Drive, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

Beaufort,	Beaufort
City	County

Attachment 2

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).....	643Dahlia-a				
B.	Capacity..(ex. 1k, 2k).....	Heating oil				
C.	Age.....	280 gal				
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s				
E.	Month/Year of Last Use.....	Steel				
F.	Depth (ft.) To Base of Tank.....	Mid 1980s				
G.	Spill Prevention Equipment Y/N.....	5'6"				
H.	Overfill Prevention Equipment Y/N.....	No				
I.	Method of Closure Removed/Filled.....	No				
J.	Date Tanks Removed/Filled.....	Removed				
K.	Visible Corrosion or Pitting Y/N.....	3/7/2013				
L.	Visible Holes Y/N.....	Yes				
		Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 643Dahlia-a was removed from the ground, cleaned 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 643Dahlia-a 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

	643Dahlia-a				
A. Construction Material..(ex. Steel, FRP).....	Steel & Copper				
B. Distance from UST to Dispenser.....	N/A				
C. Number of Dispensers.....	N/A				
D. Type of System Pressure or Suction.....	Suction				
E. Was Piping Removed from the Ground? Y/N	No				
F. Visible Corrosion or Pitting Y/N.....	Yes				
G. Visible Holes Y/N.....	No				
H. Age.....	Late 1950s				

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

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 643Dahlia-a is the second UST removed from this site.

IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		X	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? If yes, indicate location on site map and describe the odor (strong, mild, etc.)		X	
C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		X	
D. Did contaminated soils remain stockpiled on site after closure? If yes, indicate the stockpile location on the site map. Name of DHEC representative authorizing soil removal:		X	
E. Was a petroleum sheen or free product detected on any excavation or boring waters? If yes, indicate location and thickness.		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 #
643 Dahlia-a	Excav at fill end	Soil	Sandy	5'6"	3/7/13 1405 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

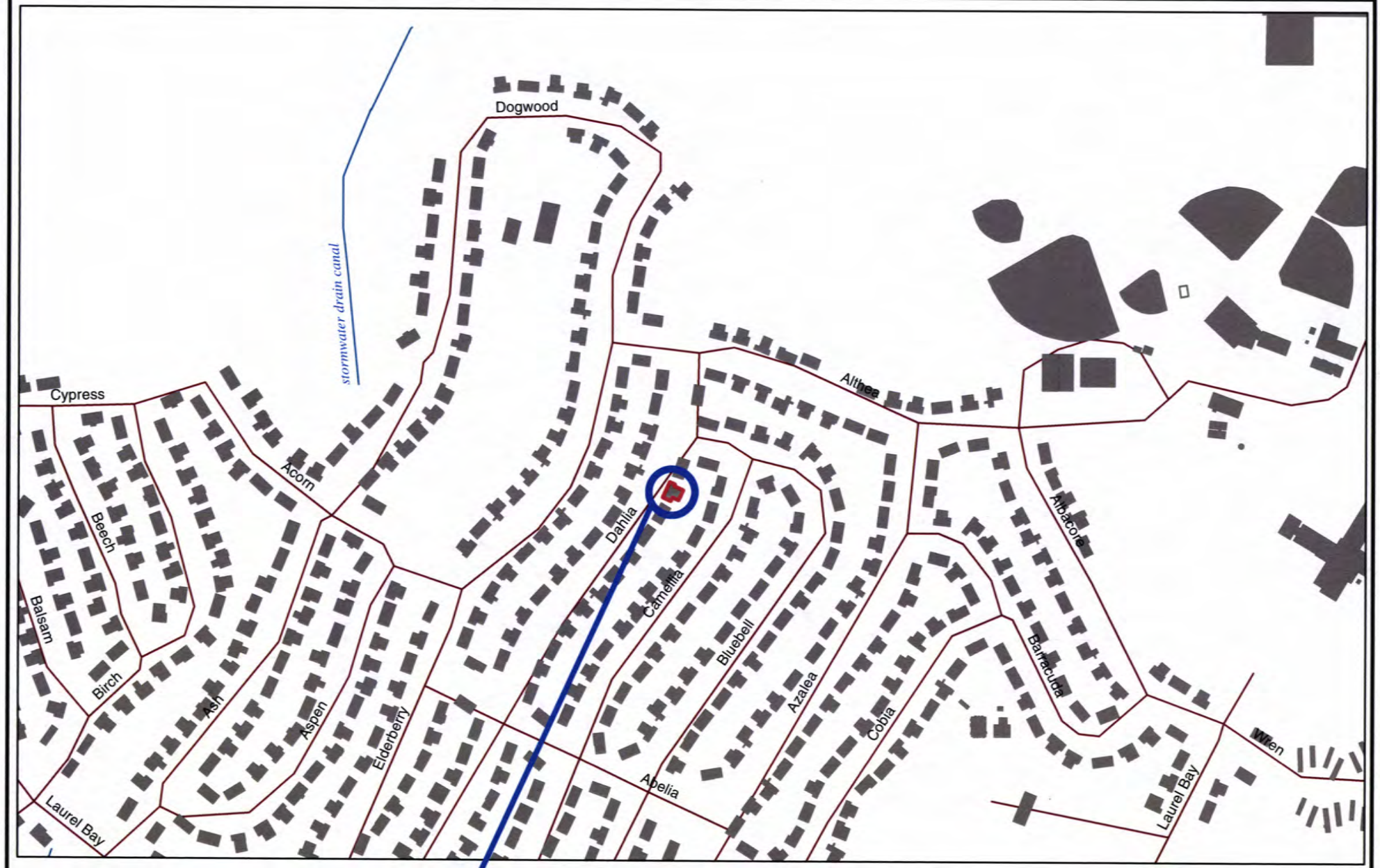
XII. RECEPTORS

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

XIII. SITE MAP

You must supply a <u>scaled</u> 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)

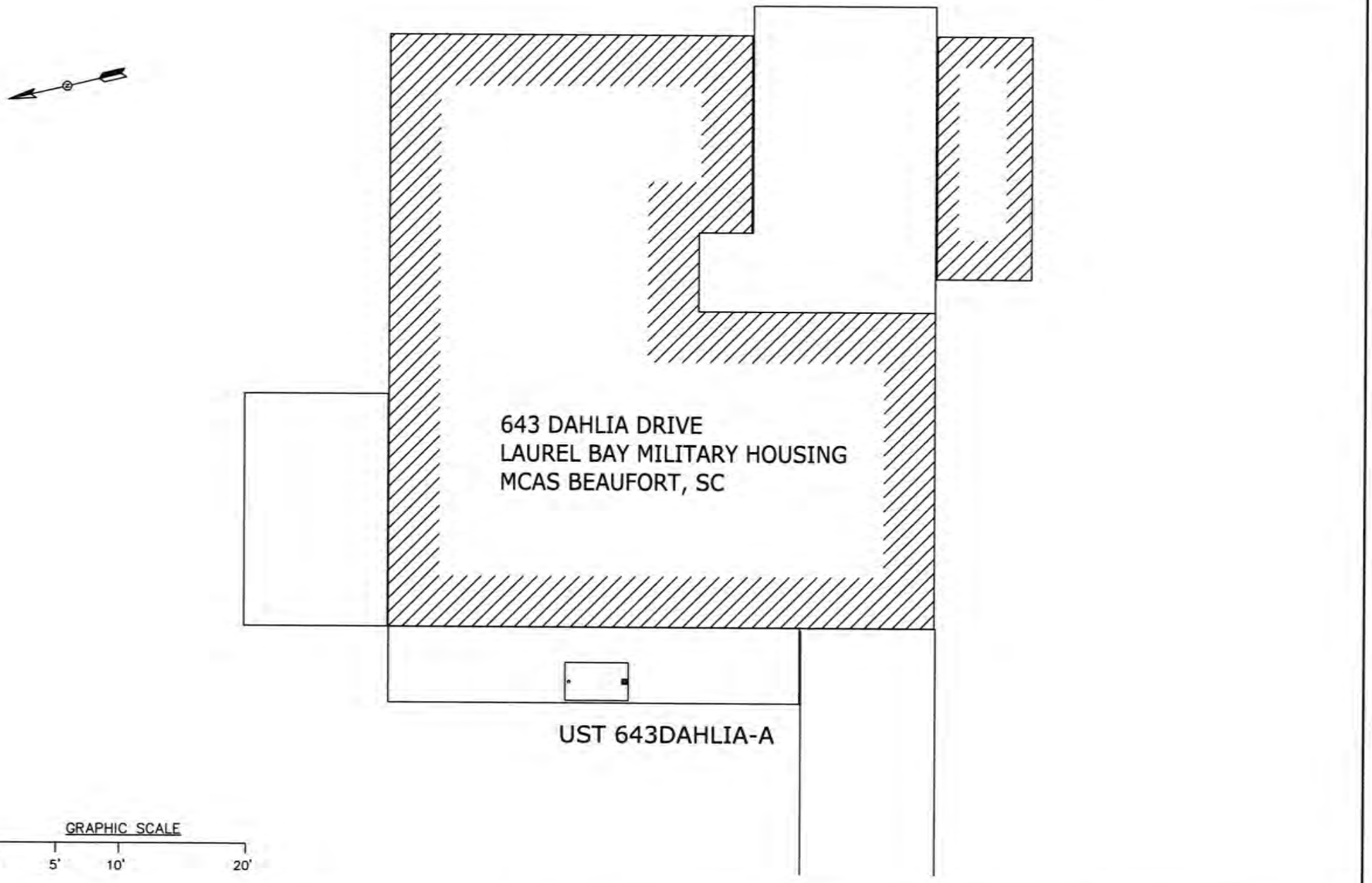


SBG-EEG, Inc.
7301 Rivers Ave., Suite 245
N. Charleston SC 29406-9643
Ph. (843) 573-7140

Drawn By: L. DiAsio

Dwg Date: Apr 2013

FIGURE 1: LOCATION MAP
643 DAHLIA DRIVE
LAUREL BAY, BEAUFORT SC

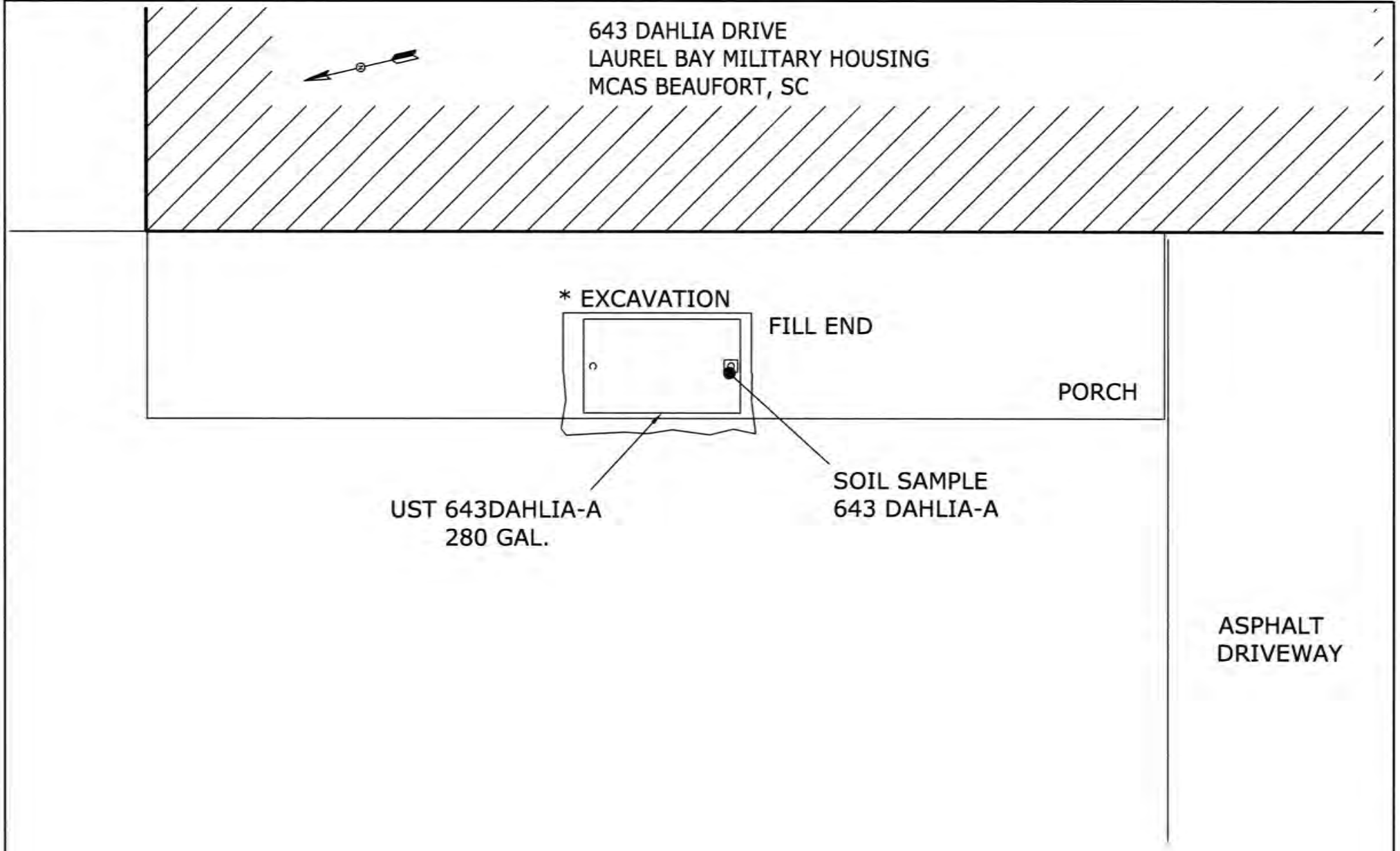


TANK DEPTH BELOW GRADE
643DAHLIA-A = 42"

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

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

SCALE: GRAPHIC | DWG DATE APR 2013



GRAPHIC SCALE
0 5'

* A PORTION OF THE PORCH WAS REMOVED TO FACILITATE TANK EXTRACTION.

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 3 UST SAMPLE LOCATIONS
643 DAHLIA DRIVE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE APR 2013

Picture 1: Location of UST 643Dahlia-a.

Picture 2: UST 643Dahlia-a excavation.

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	643Dahlia-a						
Benzene	ND						
Toluene	ND						
Ethylbenzene	ND						
Xylenes	ND						
Naphthalene	0.0203 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: 490-21711-1
Client Project/Site: Laurel Bay Housing Project

For:
Environmental Enterprise Group
10179 Highway 78
Ladson, South Carolina 29456

Attn: Mr. Tom McElwee

Authorized for release by:
3/27/2013 10:40:14 AM

Ken Hayes
Project Manager I
ken.hayes@testamericainc.com

Table of Contents

Sample Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-21711-1	1375 Dove	Solid	03/05/13 13:35	03/13/13 08:10
490-21711-2	710 Bluebell	Solid	03/06/13 11:30	03/13/13 08:10
490-21711-3	643 Dahlia - a	Solid	03/07/13 14:05	03/13/13 08:10
490-21711-4	1421 Albatross	Solid	03/05/13 14:45	03/13/13 08:10
490-21711-5	715 Bluebell	Solid	03/06/13 14:30	03/13/13 08:10
490-21711-6	1256 Dove	Solid	03/07/13 15:00	03/13/13 08:10

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Job ID: 490-21711-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-21711-1

Comments
No additional comments.

Receipt
The samples were received on 3/13/2013 8:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

GC/MS VOA
Method(s) 8260B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): 1421 Albatross (490-21711-4).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1421 Albatross (490-21711-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: MS/MSD for batch 65345 was not reportable due to failing internal standards. See LCS/LCSD for batch precision.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1421 Albatross (490-21711-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 65720.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The following sample(s) was diluted due to the nature of the sample matrix: 1421 Albatross (490-21711-4). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Due to sample matrix effect on the internal standard (ISTD)of the 1x, a dilution was required for the following sample(s): 1421 Albatross (490-21711-4).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

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.

GC/MS Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)
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)

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 1375 Dove
Date Collected: 03/05/13 13:35
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21711-1
Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00232	0.000776	mg/Kg	¤	03/14/13 17:05	03/15/13 17:59	1
Ethylbenzene	ND		0.00232	0.000776	mg/Kg	¤	03/14/13 17:05	03/15/13 17:59	1
Naphthalene	ND		0.00579	0.00197	mg/Kg	¤	03/14/13 17:05	03/15/13 17:59	1
Toluene	ND		0.00232	0.000858	mg/Kg	¤	03/14/13 17:05	03/15/13 17:59	1
Xylenes, Total	ND		0.00579	0.000776	mg/Kg	¤	03/14/13 17:05	03/15/13 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*03/14/13 17:05*	*03/15/13 17:59*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/14/13 17:05*	*03/15/13 17:59*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/14/13 17:05*	*03/15/13 17:59*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*03/14/13 17:05*	*03/15/13 17:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0830	0.0124	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Acenaphthylene	ND		0.0830	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Anthracene	ND		0.0830	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Benzo[a]anthracene	ND		0.0830	0.0186	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Benzo[a]pyrene	ND		0.0830	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Benzo[b]fluoranthene	ND		0.0830	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Benzo[g,h,i]perylene	ND		0.0830	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Benzo[k]fluoranthene	ND		0.0830	0.0173	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
1-Methylnaphthalene	ND		0.0830	0.0173	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Pyrene	ND		0.0830	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Phenanthrene	ND		0.0830	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Chrysene	ND		0.0830	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Dibenz(a,h)anthracene	ND		0.0830	0.00867	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Fluoranthene	ND		0.0830	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Fluorene	ND		0.0830	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Indeno[1,2,3-cd]pyrene	ND		0.0830	0.0124	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
Naphthalene	ND		0.0830	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1
2-Methylnaphthalene	ND		0.0830	0.0198	mg/Kg	¤	03/15/13 06:52	03/15/13 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*29 - 120*	*03/15/13 06:52*	*03/15/13 18:22*	*1*
Terphenyl-d14 (Surr)	*76*		*13 - 120*	*03/15/13 06:52*	*03/15/13 18:22*	*1*
Nitrobenzene-d5 (Surr)	*52*		*27 - 120*	*03/15/13 06:52*	*03/15/13 18:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10	0.10	%			03/15/13 08:19	1

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 710 Bluebell
Date Collected: 03/06/13 11:30
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21711-2
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00276	0.000926	mg/Kg	☼	03/14/13 17:05	03/15/13 18:26	1
Ethylbenzene	ND		0.00276	0.000926	mg/Kg	☼	03/14/13 17:05	03/15/13 18:26	1
Naphthalene	ND		0.00691	0.00235	mg/Kg	☼	03/14/13 17:05	03/15/13 18:26	1
Toluene	ND		0.00276	0.00102	mg/Kg	☼	03/14/13 17:05	03/15/13 18:26	1
Xylenes, Total	ND		0.00691	0.000926	mg/Kg	☼	03/14/13 17:05	03/15/13 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:26*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:26*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:26*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0796	0.0119	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Acenaphthylene	ND		0.0796	0.0107	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Anthracene	**0.0153**	**J**	0.0796	0.0107	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Benzo[a]anthracene	**0.140**		0.0796	0.0178	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Benzo[a]pyrene	**0.136**		0.0796	0.0143	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Benzo[b]fluoranthene	**0.252**		0.0796	0.0143	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Benzo[g,h,i]perylene	**0.109**		0.0796	0.0107	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Benzo[k]fluoranthene	**0.104**		0.0796	0.0166	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
1-Methylnaphthalene	ND		0.0796	0.0166	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Pyrene	**0.280**		0.0796	0.0143	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Phenanthrene	**0.136**		0.0796	0.0107	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Chrysene	**0.225**		0.0796	0.0107	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Dibenz(a,h)anthracene	**0.0244**	**J**	0.0796	0.00831	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Fluoranthene	**0.397**		0.0796	0.0107	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Fluorene	ND		0.0796	0.0143	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Indeno[1,2,3-cd]pyrene	**0.0938**		0.0796	0.0119	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
Naphthalene	ND		0.0796	0.0107	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1
2-Methylnaphthalene	ND		0.0796	0.0190	mg/Kg	☼	03/15/13 06:52	03/15/13 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*29 - 120*	*03/15/13 06:52*	*03/15/13 18:44*	*1*
Terphenyl-d14 (Surr)	*66*		*13 - 120*	*03/15/13 06:52*	*03/15/13 18:44*	*1*
Nitrobenzene-d5 (Surr)	*49*		*27 - 120*	*03/15/13 06:52*	*03/15/13 18:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**83**		0.10	0.10	%			03/15/13 08:19	1

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 643 Dahlia - a
Date Collected: 03/07/13 14:05
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21711-3
Matrix: Solid
Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000669	mg/Kg	¤	03/14/13 17:05	03/15/13 18:54	1
Ethylbenzene	ND		0.00200	0.000669	mg/Kg	¤	03/14/13 17:05	03/15/13 18:54	1
Naphthalene	0.0203		0.00500	0.00170	mg/Kg	¤	03/14/13 17:05	03/15/13 18:54	1
Toluene	ND		0.00200	0.000739	mg/Kg	¤	03/14/13 17:05	03/15/13 18:54	1
Xylenes, Total	ND		0.00500	0.000669	mg/Kg	¤	03/14/13 17:05	03/15/13 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:54*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:54*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:54*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/14/13 17:05*	*03/15/13 18:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0831	0.0124	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Acenaphthylene	ND		0.0831	0.0112	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Anthracene	0.0241	J	0.0831	0.0112	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Benzo[a]anthracene	ND		0.0831	0.0186	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Benzo[a]pyrene	ND		0.0831	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Benzo[b]fluoranthene	ND		0.0831	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Benzo[g,h,i]perylene	ND		0.0831	0.0112	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Benzo[k]fluoranthene	ND		0.0831	0.0174	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
1-Methylnaphthalene	0.0817	J	0.0831	0.0174	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Pyrene	0.0964		0.0831	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Phenanthrene	0.108		0.0831	0.0112	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Chrysene	ND		0.0831	0.0112	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Dibenz(a,h)anthracene	ND		0.0831	0.00868	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Fluoranthene	0.144		0.0831	0.0112	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Fluorene	ND		0.0831	0.0149	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Indeno[1,2,3-cd]pyrene	ND		0.0831	0.0124	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
Naphthalene	ND		0.0831	0.0112	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1
2-Methylnaphthalene	0.110		0.0831	0.0198	mg/Kg	¤	03/15/13 06:52	03/15/13 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*29 - 120*	*03/15/13 06:52*	*03/15/13 19:28*	*1*
Terphenyl-d14 (Surr)	*74*		*13 - 120*	*03/15/13 06:52*	*03/15/13 19:28*	*1*
Nitrobenzene-d5 (Surr)	*60*		*27 - 120*	*03/15/13 06:52*	*03/15/13 19:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10	0.10	%			03/15/13 08:19	1

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 1421 Albatross
Date Collected: 03/05/13 14:45
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21711-4
Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.489		0.128	0.0436	mg/Kg	¤	03/14/13 17:03	03/18/13 15:15	1
Ethylbenzene	5.50		0.128	0.0436	mg/Kg	¤	03/14/13 17:03	03/18/13 15:15	1
Naphthalene	53.5		6.42	2.18	mg/Kg	¤	03/14/13 17:03	03/18/13 15:42	20
Toluene	0.0602		0.00212	0.000783	mg/Kg	¤	03/14/13 17:05	03/15/13 19:21	1
Xylenes, Total	17.6		0.321	0.0436	mg/Kg	¤	03/14/13 17:03	03/18/13 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*149*	*X*	*70 - 130*	*03/14/13 17:05*	*03/15/13 19:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/14/13 17:03*	*03/18/13 15:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/14/13 17:03*	*03/18/13 15:42*	*20*
4-Bromofluorobenzene (Surr)	*4512*	*X*	*70 - 130*	*03/14/13 17:05*	*03/15/13 19:21*	*1*
4-Bromofluorobenzene (Surr)	*142*	*X*	*70 - 130*	*03/14/13 17:03*	*03/18/13 15:15*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/14/13 17:03*	*03/18/13 15:42*	*20*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*03/14/13 17:05*	*03/15/13 19:21*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/14/13 17:03*	*03/18/13 15:15*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*	*03/14/13 17:03*	*03/18/13 15:42*	*20*
Toluene-d8 (Surr)	*128*		*70 - 130*	*03/14/13 17:05*	*03/15/13 19:21*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*03/14/13 17:03*	*03/18/13 15:15*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*	*03/14/13 17:03*	*03/18/13 15:42*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	3.56		0.814	0.122	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Acenaphthylene	ND		0.814	0.109	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Anthracene	1.13		0.814	0.109	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Benzo[a]anthracene	ND		0.814	0.182	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Benzo[a]pyrene	ND		0.814	0.146	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Benzo[b]fluoranthene	ND		0.814	0.146	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Benzo[g,h,i]perylene	ND		0.814	0.109	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Benzo[k]fluoranthene	ND		0.814	0.170	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
1-Methylnaphthalene	52.3		4.07	0.851	mg/Kg	¤	03/15/13 06:52	03/16/13 21:21	50
Pyrene	ND		0.814	0.146	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Phenanthrene	10.6		0.814	0.109	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Chrysene	ND		0.814	0.109	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Dibenz(a,h)anthracene	ND		0.814	0.0851	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Fluoranthene	0.439	J	0.814	0.109	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Fluorene	5.27		0.814	0.146	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Indeno[1,2,3-cd]pyrene	ND		0.814	0.122	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
Naphthalene	17.1		0.814	0.109	mg/Kg	¤	03/15/13 06:52	03/16/13 19:11	10
2-Methylnaphthalene	84.4		4.07	0.972	mg/Kg	¤	03/15/13 06:52	03/16/13 21:21	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*29 - 120*	*03/15/13 06:52*	*03/16/13 19:11*	*10*
Terphenyl-d14 (Surr)	*101*		*13 - 120*	*03/15/13 06:52*	*03/16/13 19:11*	*10*
Nitrobenzene-d5 (Surr)	*106*		*27 - 120*	*03/15/13 06:52*	*03/16/13 19:11*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10	0.10	%			03/15/13 08:19	1

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 715 Bluebell
Date Collected: 03/06/13 14:30
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21711-5
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00254	0.000852	mg/Kg	¤	03/14/13 17:05	03/15/13 19:48	1
Ethylbenzene	ND		0.00254	0.000852	mg/Kg	¤	03/14/13 17:05	03/15/13 19:48	1
Naphthalene	ND		0.00613	0.00208	mg/Kg	¤	03/14/13 17:05	03/18/13 14:21	1
Toluene	ND		0.00254	0.000941	mg/Kg	¤	03/14/13 17:05	03/15/13 19:48	1
Xylenes, Total	0.00234	J	0.00636	0.000852	mg/Kg	¤	03/14/13 17:05	03/15/13 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/14/13 17:05*	*03/15/13 19:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/14/13 17:05*	*03/18/13 14:21*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/14/13 17:05*	*03/15/13 19:48*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/14/13 17:05*	*03/18/13 14:21*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*03/14/13 17:05*	*03/15/13 19:48*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/14/13 17:05*	*03/18/13 14:21*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/14/13 17:05*	*03/15/13 19:48*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*03/14/13 17:05*	*03/18/13 14:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0766	0.0114	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Acenaphthylene	ND		0.0766	0.0103	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Anthracene	ND		0.0766	0.0103	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Benzo[a]anthracene	ND		0.0766	0.0172	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Benzo[a]pyrene	0.0903		0.0766	0.0137	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Benzo[b]fluoranthene	ND		0.0766	0.0137	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Benzo[g,h,i]perylene	ND		0.0766	0.0103	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Benzo[k]fluoranthene	ND		0.0766	0.0160	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
1-Methylnaphthalene	ND		0.0766	0.0160	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Pyrene	ND		0.0766	0.0137	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Phenanthrene	ND		0.0766	0.0103	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Chrysene	ND		0.0766	0.0103	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Dibenz(a,h)anthracene	ND		0.0766	0.00800	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Fluoranthene	ND		0.0766	0.0103	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Fluorene	ND		0.0766	0.0137	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Indeno[1,2,3-cd]pyrene	ND		0.0766	0.0114	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
Naphthalene	ND		0.0766	0.0103	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1
2-Methylnaphthalene	ND		0.0766	0.0183	mg/Kg	¤	03/15/13 06:52	03/15/13 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*29 - 120*	*03/15/13 06:52*	*03/15/13 19:50*	*1*
Terphenyl-d14 (Surr)	*90*		*13 - 120*	*03/15/13 06:52*	*03/15/13 19:50*	*1*
Nitrobenzene-d5 (Surr)	*65*		*27 - 120*	*03/15/13 06:52*	*03/15/13 19:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10	0.10	%			03/15/13 08:19	1

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 1256 Dove
Date Collected: 03/07/13 15:00
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21711-6
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00262	0.000878	mg/Kg	¤	03/14/13 17:05	03/15/13 20:15	1
Ethylbenzene	ND		0.00262	0.000878	mg/Kg	¤	03/14/13 17:05	03/15/13 20:15	1
Naphthalene	**0.00260**	**J**	0.00656	0.00223	mg/Kg	¤	03/14/13 17:05	03/15/13 20:15	1
Toluene	ND		0.00262	0.000970	mg/Kg	¤	03/14/13 17:05	03/15/13 20:15	1
Xylenes, Total	ND		0.00656	0.000878	mg/Kg	¤	03/14/13 17:05	03/15/13 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*03/14/13 17:05*	*03/15/13 20:15*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/14/13 17:05*	*03/15/13 20:15*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*03/14/13 17:05*	*03/15/13 20:15*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/14/13 17:05*	*03/15/13 20:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0746	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Acenaphthylene	ND		0.0746	0.0100	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Anthracene	ND		0.0746	0.0100	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Benzo[a]anthracene	**0.0786**		0.0746	0.0167	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Benzo[a]pyrene	ND		0.0746	0.0134	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Benzo[b]fluoranthene	**0.0575**	**J**	0.0746	0.0134	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Benzo[g,h,i]perylene	ND		0.0746	0.0100	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Benzo[k]fluoranthene	ND		0.0746	0.0156	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
1-Methylnaphthalene	ND		0.0746	0.0156	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Pyrene	**0.116**		0.0746	0.0134	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Phenanthrene	ND		0.0746	0.0100	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Chrysene	**0.0742**	**J**	0.0746	0.0100	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Dibenz(a,h)anthracene	ND		0.0746	0.00780	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Fluoranthene	**0.150**		0.0746	0.0100	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Fluorene	ND		0.0746	0.0134	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Indeno[1,2,3-cd]pyrene	ND		0.0746	0.0111	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
Naphthalene	ND		0.0746	0.0100	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1
2-Methylnaphthalene	ND		0.0746	0.0178	mg/Kg	¤	03/15/13 06:52	03/15/13 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*29 - 120*	*03/15/13 06:52*	*03/15/13 20:11*	*1*
Terphenyl-d14 (Surr)	*78*		*13 - 120*	*03/15/13 06:52*	*03/15/13 20:11*	*1*
Nitrobenzene-d5 (Surr)	*54*		*27 - 120*	*03/15/13 06:52*	*03/15/13 20:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88**		0.10	0.10	%			03/15/13 08:19	1

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

Lab Sample ID: MB 490-65345/7
Matrix: Solid
Analysis Batch: 65345

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			03/15/13 15:14	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			03/15/13 15:14	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			03/15/13 15:14	1
Toluene	ND		0.00200	0.000740	mg/Kg			03/15/13 15:14	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			03/15/13 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*03/15/13 15:14*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/15/13 15:14*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*03/15/13 15:14*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/15/13 15:14*	*1*

Lab Sample ID: LCS 490-65345/3
Matrix: Solid
Analysis Batch: 65345

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.04982		mg/Kg		100	75 - 127
Ethylbenzene	0.0500	0.04964		mg/Kg		99	80 - 134
Naphthalene	0.0500	0.05088		mg/Kg		102	69 - 150
Toluene	0.0500	0.05137		mg/Kg		103	80 - 132
Xylenes, Total	0.150	0.1505		mg/Kg		100	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 490-65345/4
Matrix: Solid
Analysis Batch: 65345

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.04974		mg/Kg		99	75 - 127	0	50
Ethylbenzene	0.0500	0.04973		mg/Kg		99	80 - 134	0	50
Naphthalene	0.0500	0.05205		mg/Kg		104	69 - 150	2	50
Toluene	0.0500	0.05198		mg/Kg		104	80 - 132	1	50
Xylenes, Total	0.150	0.1508		mg/Kg		101	80 - 137	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

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

Lab Sample ID: MB 490-65720/6
Matrix: Solid
Analysis Batch: 65720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0335	mg/Kg			03/18/13 13:26	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			03/18/13 13:26	1
Naphthalene	ND		0.250	0.0850	mg/Kg			03/18/13 13:26	1
Toluene	ND		0.100	0.0370	mg/Kg			03/18/13 13:26	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			03/18/13 13:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*03/18/13 13:26*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/18/13 13:26*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*		*03/18/13 13:26*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/18/13 13:26*	*1*

Lab Sample ID: MB 490-65720/7
Matrix: Solid
Analysis Batch: 65720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			03/18/13 13:54	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			03/18/13 13:54	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			03/18/13 13:54	1
Toluene	ND		0.00200	0.000740	mg/Kg			03/18/13 13:54	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			03/18/13 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*03/18/13 13:54*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/18/13 13:54*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*03/18/13 13:54*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/18/13 13:54*	*1*

Lab Sample ID: LCS 490-65720/3
Matrix: Solid
Analysis Batch: 65720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.04816		mg/Kg		96	75 - 127
Ethylbenzene	0.0500	0.04890		mg/Kg		98	80 - 134
Naphthalene	0.0500	0.05301		mg/Kg		106	69 - 150
Toluene	0.0500	0.05058		mg/Kg		101	80 - 132
Xylenes, Total	0.150	0.1499		mg/Kg		100	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

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

Lab Sample ID: LCSD 490-65720/4
Matrix: Solid
Analysis Batch: 65720

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.04740		mg/Kg		95	75 - 127	2	50
Ethylbenzene	0.0500	0.04718		mg/Kg		94	80 - 134	4	50
Naphthalene	0.0500	0.05208		mg/Kg		104	69 - 150	2	50
Toluene	0.0500	0.04912		mg/Kg		98	80 - 132	3	50
Xylenes, Total	0.150	0.1435		mg/Kg		96	80 - 137	4	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 490-65195/1-A
Matrix: Solid
Analysis Batch: 65455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Anthracene	ND		0.0670	0.00900	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Pyrene	ND		0.0670	0.0120	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Chrysene	ND		0.0670	0.00900	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Fluorene	ND		0.0670	0.0120	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		03/15/13 06:52	03/15/13 15:27	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		03/15/13 06:52	03/15/13 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*29 - 120*	*03/15/13 06:52*	*03/15/13 15:27*	*1*
Terphenyl-d14 (Surr)	*76*		*13 - 120*	*03/15/13 06:52*	*03/15/13 15:27*	*1*
Nitrobenzene-d5 (Surr)	*50*		*27 - 120*	*03/15/13 06:52*	*03/15/13 15:27*	*1*

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

Lab Sample ID: LCS 490-65195/2-A
Matrix: Solid
Analysis Batch: 65455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65195

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.556		mg/Kg		93	38 - 120
Anthracene	1.67	1.528		mg/Kg		92	46 - 124
Benzo[a]anthracene	1.67	1.511		mg/Kg		91	45 - 120
Benzo[a]pyrene	1.67	1.546		mg/Kg		93	45 - 120
Benzo[b]fluoranthene	1.67	1.582		mg/Kg		95	42 - 120
Benzo[g,h,i]perylene	1.67	1.602		mg/Kg		96	38 - 120
Benzo[k]fluoranthene	1.67	1.469		mg/Kg		88	42 - 120
1-Methylnaphthalene	1.67	1.387		mg/Kg		83	32 - 120
Pyrene	1.67	1.510		mg/Kg		91	43 - 120
Phenanthrene	1.67	1.583		mg/Kg		95	45 - 120
Chrysene	1.67	1.482		mg/Kg		89	43 - 120
Dibenz(a,h)anthracene	1.67	1.626		mg/Kg		98	32 - 128
Fluoranthene	1.67	1.537		mg/Kg		92	46 - 120
Fluorene	1.67	1.534		mg/Kg		92	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.603		mg/Kg		96	41 - 121
Naphthalene	1.67	1.391		mg/Kg		83	32 - 120
2-Methylnaphthalene	1.67	1.402		mg/Kg		84	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*77*		*29 - 120*
Terphenyl-d14 (Surr)	*92*		*13 - 120*
Nitrobenzene-d5 (Surr)	*60*		*27 - 120*

Lab Sample ID: 490-21695-A-4-B MS
Matrix: Solid
Analysis Batch: 65455

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65195

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		1.62	1.457		mg/Kg		90	25 - 120
Anthracene	ND		1.62	1.422		mg/Kg		88	28 - 125
Benzo[a]anthracene	ND		1.62	1.405		mg/Kg		87	23 - 120
Benzo[a]pyrene	ND		1.62	1.415		mg/Kg		87	15 - 128
Benzo[b]fluoranthene	ND		1.62	1.511		mg/Kg		93	12 - 133
Benzo[g,h,i]perylene	ND		1.62	1.392		mg/Kg		86	22 - 120
Benzo[k]fluoranthene	ND		1.62	1.335		mg/Kg		82	28 - 120
1-Methylnaphthalene	ND		1.62	1.304		mg/Kg		80	10 - 120
Pyrene	ND		1.62	1.378		mg/Kg		85	20 - 123
Phenanthrene	ND		1.62	1.487		mg/Kg		92	21 - 122
Chrysene	ND		1.62	1.381		mg/Kg		85	20 - 120
Dibenz(a,h)anthracene	ND		1.62	1.464		mg/Kg		90	12 - 128
Fluoranthene	ND		1.62	1.439		mg/Kg		89	10 - 143
Fluorene	ND		1.62	1.448		mg/Kg		89	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.62	1.421		mg/Kg		88	22 - 121
Naphthalene	ND		1.62	1.304		mg/Kg		80	10 - 120
2-Methylnaphthalene	ND		1.62	1.314		mg/Kg		81	13 - 120

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

Lab Sample ID: 490-21695-A-4-B MS
Matrix: Solid
Analysis Batch: 65455

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65195

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	*75*		*29 - 120*
Terphenyl-d14 (Surr)	*88*		*13 - 120*
Nitrobenzene-d5 (Surr)	*58*		*27 - 120*

Lab Sample ID: 490-21695-A-4-C MSD
Matrix: Solid
Analysis Batch: 65455

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65195

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	ND		1.63	1.538		mg/Kg		95	25 - 120	5	50
Anthracene	ND		1.63	1.512		mg/Kg		93	28 - 125	6	49
Benzo[a]anthracene	ND		1.63	1.470		mg/Kg		90	23 - 120	5	50
Benzo[a]pyrene	ND		1.63	1.498		mg/Kg		92	15 - 128	6	50
Benzo[b]fluoranthene	ND		1.63	1.561		mg/Kg		96	12 - 133	3	50
Benzo[g,h,i]perylene	ND		1.63	1.455		mg/Kg		89	22 - 120	4	50
Benzo[k]fluoranthene	ND		1.63	1.471		mg/Kg		90	28 - 120	10	45
1-Methylnaphthalene	ND		1.63	1.368		mg/Kg		84	10 - 120	5	50
Pyrene	ND		1.63	1.435		mg/Kg		88	20 - 123	4	50
Phenanthrene	ND		1.63	1.580		mg/Kg		97	21 - 122	6	50
Chrysene	ND		1.63	1.463		mg/Kg		90	20 - 120	6	49
Dibenz(a,h)anthracene	ND		1.63	1.506		mg/Kg		93	12 - 128	3	50
Fluoranthene	ND		1.63	1.558		mg/Kg		96	10 - 143	8	50
Fluorene	ND		1.63	1.529		mg/Kg		94	20 - 120	5	50
Indeno[1,2,3-cd]pyrene	ND		1.63	1.483		mg/Kg		91	22 - 121	4	50
Naphthalene	ND		1.63	1.368		mg/Kg		84	10 - 120	5	50
2-Methylnaphthalene	ND		1.63	1.376		mg/Kg		85	13 - 120	5	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	*74*		*29 - 120*
Terphenyl-d14 (Surr)	*87*		*13 - 120*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-21711-1 DU
Matrix: Solid
Analysis Batch: 65312

Client Sample ID: 1375 Dove
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	80		81		%		1	20

GC/MS VOA

Prep Batch: 65243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21711-4	1421 Albatross	Total/NA	Solid	5035	

Prep Batch: 65245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21711-1	1375 Dove	Total/NA	Solid	5035	
490-21711-2	710 Bluebell	Total/NA	Solid	5035	
490-21711-3	643 Dahlia - a	Total/NA	Solid	5035	
490-21711-4	1421 Albatross	Total/NA	Solid	5035	
490-21711-5	715 Bluebell	Total/NA	Solid	5035	
490-21711-5	715 Bluebell	Total/NA	Solid	5035	
490-21711-6	1256 Dove	Total/NA	Solid	5035	

Analysis Batch: 65345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21711-1	1375 Dove	Total/NA	Solid	8260B	65245
490-21711-2	710 Bluebell	Total/NA	Solid	8260B	65245
490-21711-3	643 Dahlia - a	Total/NA	Solid	8260B	65245
490-21711-4	1421 Albatross	Total/NA	Solid	8260B	65245
490-21711-5	715 Bluebell	Total/NA	Solid	8260B	65245
490-21711-6	1256 Dove	Total/NA	Solid	8260B	65245
LCS 490-65345/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-65345/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-65345/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 65720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21711-4	1421 Albatross	Total/NA	Solid	8260B	65243
490-21711-4	1421 Albatross	Total/NA	Solid	8260B	65243
490-21711-5	715 Bluebell	Total/NA	Solid	8260B	65245
LCS 490-65720/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-65720/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-65720/6	Method Blank	Total/NA	Solid	8260B	
MB 490-65720/7	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 65195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21695-A-4-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-21695-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-21711-1	1375 Dove	Total/NA	Solid	3550C	
490-21711-2	710 Bluebell	Total/NA	Solid	3550C	
490-21711-3	643 Dahlia - a	Total/NA	Solid	3550C	
490-21711-4	1421 Albatross	Total/NA	Solid	3550C	
490-21711-5	715 Bluebell	Total/NA	Solid	3550C	
490-21711-6	1256 Dove	Total/NA	Solid	3550C	
LCS 490-65195/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-65195/1-A	Method Blank	Total/NA	Solid	3550C	

GC/MS Semi VOA (Continued)

Analysis Batch: 65455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21695-A-4-B MS	Matrix Spike	Total/NA	Solid	8270D	65195
490-21695-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	65195
490-21711-1	1375 Dove	Total/NA	Solid	8270D	65195
490-21711-2	710 Bluebell	Total/NA	Solid	8270D	65195
490-21711-3	643 Dahlia - a	Total/NA	Solid	8270D	65195
490-21711-5	715 Bluebell	Total/NA	Solid	8270D	65195
490-21711-6	1256 Dove	Total/NA	Solid	8270D	65195
LCS 490-65195/2-A	Lab Control Sample	Total/NA	Solid	8270D	65195
MB 490-65195/1-A	Method Blank	Total/NA	Solid	8270D	65195

Analysis Batch: 65572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21711-4	1421 Albatross	Total/NA	Solid	8270D	65195
490-21711-4	1421 Albatross	Total/NA	Solid	8270D	65195

General Chemistry

Analysis Batch: 65312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21711-1	1375 Dove	Total/NA	Solid	Moisture	
490-21711-1 DU	1375 Dove	Total/NA	Solid	Moisture	
490-21711-2	710 Bluebell	Total/NA	Solid	Moisture	
490-21711-3	643 Dahlia - a	Total/NA	Solid	Moisture	
490-21711-4	1421 Albatross	Total/NA	Solid	Moisture	
490-21711-5	715 Bluebell	Total/NA	Solid	Moisture	
490-21711-6	1256 Dove	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 1375 Dove

Lab Sample ID: 490-21711-1

Date Collected: 03/05/13 13:35
Matrix: Solid
Date Received: 03/13/13 08:10
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65245	03/14/13 17:05	ML	TAL NSH
Total/NA	Analysis	8260B		1	65345	03/15/13 17:59	MH	TAL NSH
Total/NA	Prep	3550C			65195	03/15/13 06:52	AK	TAL NSH
Total/NA	Analysis	8270D		1	65455	03/15/13 18:22	JS	TAL NSH
Total/NA	Analysis	Moisture		1	65312	03/15/13 08:19	RS	TAL NSH

Client Sample ID: 710 Bluebell

Lab Sample ID: 490-21711-2

Date Collected: 03/06/13 11:30
Matrix: Solid
Date Received: 03/13/13 08:10
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65245	03/14/13 17:05	ML	TAL NSH
Total/NA	Analysis	8260B		1	65345	03/15/13 18:26	MH	TAL NSH
Total/NA	Prep	3550C			65195	03/15/13 06:52	AK	TAL NSH
Total/NA	Analysis	8270D		1	65455	03/15/13 18:44	JS	TAL NSH
Total/NA	Analysis	Moisture		1	65312	03/15/13 08:19	RS	TAL NSH

Client Sample ID: 643 Dahlia - a

Lab Sample ID: 490-21711-3

Date Collected: 03/07/13 14:05
Matrix: Solid
Date Received: 03/13/13 08:10
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65245	03/14/13 17:05	ML	TAL NSH
Total/NA	Analysis	8260B		1	65345	03/15/13 18:54	MH	TAL NSH
Total/NA	Prep	3550C			65195	03/15/13 06:52	AK	TAL NSH
Total/NA	Analysis	8270D		1	65455	03/15/13 19:28	JS	TAL NSH
Total/NA	Analysis	Moisture		1	65312	03/15/13 08:19	RS	TAL NSH

Client Sample ID: 1421 Albatross

Lab Sample ID: 490-21711-4

Date Collected: 03/05/13 14:45
Matrix: Solid
Date Received: 03/13/13 08:10
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65245	03/14/13 17:05	ML	TAL NSH
Total/NA	Analysis	8260B		1	65345	03/15/13 19:21	MH	TAL NSH
Total/NA	Prep	5035			65243	03/14/13 17:03	ML	TAL NSH
Total/NA	Analysis	8260B		1	65720	03/18/13 15:15	MH	TAL NSH
Total/NA	Analysis	8260B		20	65720	03/18/13 15:42	MH	TAL NSH
Total/NA	Prep	3550C			65195	03/15/13 06:52	AK	TAL NSH
Total/NA	Analysis	8270D		10	65572	03/16/13 19:11	JS	TAL NSH
Total/NA	Analysis	8270D		50	65572	03/16/13 21:21	JS	TAL NSH
Total/NA	Analysis	Moisture		1	65312	03/15/13 08:19	RS	TAL NSH

Lab Chronicle

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Client Sample ID: 715 Bluebell

Lab Sample ID: 490-21711-5

Date Collected: 03/06/13 14:30
Matrix: Solid
Date Received: 03/13/13 08:10
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65245	03/14/13 17:05	ML	TAL NSH
Total/NA	Analysis	8260B		1	65345	03/15/13 19:48	MH	TAL NSH
Total/NA	Prep	5035			65245	03/14/13 17:05	ML	TAL NSH
Total/NA	Analysis	8260B		1	65720	03/18/13 14:21	MH	TAL NSH
Total/NA	Prep	3550C			65195	03/15/13 06:52	AK	TAL NSH
Total/NA	Analysis	8270D		1	65455	03/15/13 19:50	JS	TAL NSH
Total/NA	Analysis	Moisture		1	65312	03/15/13 08:19	RS	TAL NSH

Client Sample ID: 1256 Dove

Lab Sample ID: 490-21711-6

Date Collected: 03/07/13 15:00
Matrix: Solid
Date Received: 03/13/13 08:10
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65245	03/14/13 17:05	ML	TAL NSH
Total/NA	Analysis	8260B		1	65345	03/15/13 20:15	MH	TAL NSH
Total/NA	Prep	3550C			65195	03/15/13 06:52	AK	TAL NSH
Total/NA	Analysis	8270D		1	65455	03/15/13 20:11	JS	TAL NSH
Total/NA	Analysis	Moisture		1	65312	03/15/13 08:19	RS	TAL NSH

Laboratory References:

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

Method Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Certification Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-21711-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	03-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Charleston


490-21711 Chain of Custody

Cooler Received/Opened On 3/13/2013 @ 0810

1. Tracking # 9674 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 2.3 *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: 1 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 (intial) AH

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 - Soils

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

I certify that I unloaded the cooler and answered questions 7-14 (intial) AF

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 (intial) AF

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 (intial) AF

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

Pg 1 of 2

3/27/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Project Manager: Tom McElwee email: mcelwee@eeginc.net
Telephone Number: 843.412.2097 Fax No.: 843-879-0401
Sampler Name: (Print) Chris Tunstall
Sampler Signature:

Site State: SC
PO#: 1035
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label) Sodium Bisulfate	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass (Yellow Label)	None (Black Label)	Other (Specify) MeOH	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Results to be reported with report
1375 Dova	3/5/13	1335	5	X					2				2	1					X		X	X				
710 Bluebell	3/6/13	1130	5	X					2				2	1					X		X	X				
643 Dahlia-a	3/7/13	1405	5	X					2				2	1					X		X	X				

Loc: 490
21711

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	3/12/13	0900	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			2.3 TAN	3-13-13	08:10

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

PS 2 of 2

3/27/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

Project Manager: Tom McElwee email: mcelwee@eeginc.net

PO#: 1035

Telephone Number: 843.412.2097 **Fax No.:** 843-879-0401

TA Quote #:

Sampler Name: (Print) Peath Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	~~HCl (Blue Label)~~ Sodium Bisulfate	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Results with report
1421 Albatross	3/5/13	1445	5	X					2				2	1					X		X	X				
715 Bluebell	3/6/13	1430	5	X					2				2	1					X		X	X				
1256 Dove	3/7/13	1500	5	X					2				2	1					X		X	X				

Loc: 490
21711

Page 2 of 2

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	3/12/13	0900	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			23 TAN	3-13-13	08:10

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

Login Sample Receipt Checklist

Client: Environmental Enterprise Group

Job Number: 490-21711-1

Login Number: 21711
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	True	
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	
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 643Dahlia-a; 643 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.

T. L. [illegible], 4/9/13

(Name) (Date)

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QK18003-001**
Description: **BEALB643TW01WG20151116**
Matrix: **Aqueous**
Date Sampled: **11/16/2015 1515**
Date Received: **11/18/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/23/2015 1307	JM1		90375

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	0.51	U	5.0	0.51	0.21	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**1.0**	**BJ**	**5.0**	0.96	**0.14**	**ug/L**	**1**
Toluene	108-88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.57	U	5.0	0.57	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	75-120
1,2-Dichloroethane-d4		113	70-120
Toluene-d8		99	85-120
Dibromofluoromethane		94	85-115

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 (SIM)

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QK18003-001**
Description: **BEALB643TW01WG20151116**
Matrix: **Aqueous**
Date Sampled: **11/16/2015 1515**
Date Received: **11/18/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	11/25/2015 1330	JCG	11/19/2015 1536	90053

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		95	15-139
Fluoranthene-d10		87	23-154

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

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

Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C
PROMOTE PROTECT PROSPER
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: IGWA
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 Tank 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. 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 this site.

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 M. Krieg

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)

Attachment to: Krieg to Drawdy
Subject: IGWA
Dated 7/1/2015

Laurel Bay Underground Storage Tank Assessment Reports for: (97 addresses/110 tanks)

118 Banyan	343 Ash Tank 2
126 Banyan	344 Ash Tank 2
127 Banyan	347 Ash Tank 2
130 Banyan Tank 1	378 Aspen Tank 2
141 Laurel Bay	379 Aspen
151 Laurel Bay	382 Aspen Tank 1
224 Cypress	382 Aspen Tank 2
227 Cypress	394 Acorn Tank 2
256 Beech Tank 2	400 Elderberry
257 Beech Tank 1	432 Elderberry
257 Beech Tank 2	436 Elderberry
264 Beech	473 Dogwood Tank 2
265 Beech Tank 2	482 Laurel Bay
265 Beech Tank 3	517 Laurel Bay
275 Birch	586 Aster
277 Birch Tank 1	632 Dahlia
285 Birch	639 Dahlia Tank 2
292 Birch Tank 3	643 Dahlia Tank 1
297 Birch	644 Dahlia Tank 1
301 Ash	644 Dahlia Tank 2
306 Ash	646 Dahlia Tank 1
310 Ash Tank 1	646 Dahlia Tank 2
313 Ash	665 Camellia
315 Ash Tank 2	699 Abelia
316 Ash	744 Blue Bell
319 Ash	745 Blue Bell Tank 1
320 Ash	747 Blue Bell Tank 1
321 Ash	747 Blue Bell Tank 2
329 Ash	747 Blue Bell Tank 3
330 Ash Tank 2	749 Blue Bell Tank 1
331 Ash	749 Blue Bell Tank 2
332 Ash	751 Blue Bell
333 Ash	762 Althea
335 Ash Tank 1	765 Althea Tank 2
335 Ash Tank 2	766 Althea Tank 4
341 Ash	767 Althea Tank 1
342 Ash Tank 1	768 Althea Tank 2
342 Ash Tank 2	768 Althea Tank 3

Laurel Bay Underground Storage Tank Assessment Reports for: (98 addresses/110 tanks) cont.

768 Althea Tank 4	1067 Gardenia
769 Althea Tank 1	1077 Heather
769 Althea Tank 2	1081 Heather
775 Althea	1101 Iris Tank 2
819 Azalea	1104 Iris
840 Azalea	1105 Iris Tank 2
878 Cobia	1124 Iris Tank 2
891 Cobia	1142 Iris Tank 2
913 Barracuda	1146 Iris Tank 2
916 Barracuda	1218 Cardinal
923 Albacore	1240 Dove
1004 Bobwhite	1266 Dove
1022 Foxglove	1292 Eagle
1031 Foxglove	1299 Eagle Tank 1
1034 Foxglove Tank 2	1302 Eagle
1061 Gardenia Tank 3	1336 Albatross
1064 Gardenia	1351 Cardinal

D H E C
PROMOTE PROTECT PROSPER

Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

Division of Waste Management
Bureau of Land and Waste Management

June 8, 2016

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

RE: Approval and Concurrence with Draft Final Initial Groundwater Investigation Report-November and December 2015
Laurel Bay Military Housing Area Multiple Properties
Dated April 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the attached addresses on May 2, 2016. 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 the Department's request, groundwater samples were collected from the attached referenced addresses. The Department 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 wells should be installed at the 15 stated addresses. For the remaining 80 addresses, there is no indication of contamination on the property 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 petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

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
Subject: Draft Final Initial Groundwater Investigation Report-November and December 2015
Specific Property Recommendations
Dated June 8, 2016

Draft Final Initial Groundwater Investigation Report for (95 addresses)

Permanent Monitoring Well Investigation recommendation (15 addresses)	
130 Banyan Drive	473 Dogwood Drive
256 Beech Street	747 Blue Bell Lane
285 Birch Drive	749 Blue Bell Lane
292 Birch Drive	775 Althea Street
330 Ash Street	1034 Foxglove Street
331 Ash Street	1104 Iris Lane
335 Ash Street	1124 Iris Lane
342 Ash Street	

No Further Action recommendation (80 addresses)	
118 Banyan Drive	644 Dahlia Drive
126 Banyan Drive	646 Dahlia Drive
127 Banyan Drive	665 Camellia Drive
141 Laurel Bay Blvd	699 Abelia Street
151 Laurel Bay Blvd	744 Blue Bell Lane
224 Cypress Street	745 Blue Bell Lane
227 Cypress Street	751 Blue Bell Lane
257 Beech Street	762 Althea Street
264 Beech Street	765 Althea Street
265 Beech Street	766 Althea Street
275 Birch Drive	767 Althea Street
277 Birch Drive	768 Althea Street
297 Birch Drive	769 Althea Street
301 Ash Street	819 Azalea Drive
306 Ash Street	840 Azalea Drive
310 Ash Street	878 Cobia Drive
313 Ash Street	891 Cobia Drive
315 Ash Street	913 Barracuda Drive
316 Ash Street	916 Barracuda Drive
319 Ash Street	923 Wren Lane
320 Ash Street	1004 Bobwhite Drive
321 Ash Street	1022 Foxglove Street
329 Ash Street	1031 Foxglove Street
332 Ash Street	1061 Gardenia Drive
333 Ash Street	1064 Gardenia Drive
341 Ash Street	1067 Gardenia Drive
347 Ash Street	1077 Heather Street
378 Aspen Street	1081 Heather Street
379 Aspen Street	1101 Iris Lane
382 Aspen Street	1105 Iris Lane
394 Acorn Street	1142 Iris Lane
400 Elderberry Drive	1146 Iris Lane
432 Elderberry Drive	1218 Cardinal Lane
436 Elderberry Drive	1240 Dove Lane
482 Laurel Bay Blvd	1266 Dove Lane
517 Laurel Bay Blvd	1292 Eagle Lane
586 Aster Street	1299 Eagle Lane
632 Dahlia Drive	1302 Eagle Lane
639 Dahlia Drive	1336 Albatross Drive
643 Dahlia Drive	1351 Cardinal Lane