

SUMMARY REPORT  
85 EAST DOVE LANE (FORMERLY 1261 EAST DOVE LANE)  
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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Norfolk, Virginia 23511-3095

Prepared by:



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

Contract Number: N62470-14-D-9016

CTO WE52

**JUNE 2021**

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## List of Acronyms

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

## 1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 85 East Dove Lane (Formerly 1261 East Dove Lane). 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 85 East Dove Lane (Formerly 1261 East Dove Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1261 East Dove Lane* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B.

### 2.1 UST Removal and Soil Sampling

On September 2, 2009, a single 280 gallon heating oil UST was removed from the front yard adjacent to the porch area at 85 East Dove Lane (Formerly 1261 East Dove Lane). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 4'10" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of the excavation and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in

accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment guidelines.

## 2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 85 East Dove Lane (Formerly 1261 East Dove Lane) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

## 3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 85 East Dove Lane (Formerly 1261 East Dove Lane). This NFA determination was obtained in a letter dated May 5, 2010. SCDHEC's NFA letter is provided in Appendix C.

## 4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1261 East Dove Lane, Laurel Bay Military Housing Area*, December 2009.

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

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

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

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

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

## Table

**Table 1**  
**Laboratory Analytical Results - Soil**  
**85 East Dove Lane (Formerly 1261 East Dove Lane)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Results Sample Collected 09/02/09
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)</b>		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)</b>		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

**Notes:**

<sup>(1)</sup> South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 and 1.1 (SCDHEC, May 2001 and SCDHEC, February 2011) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

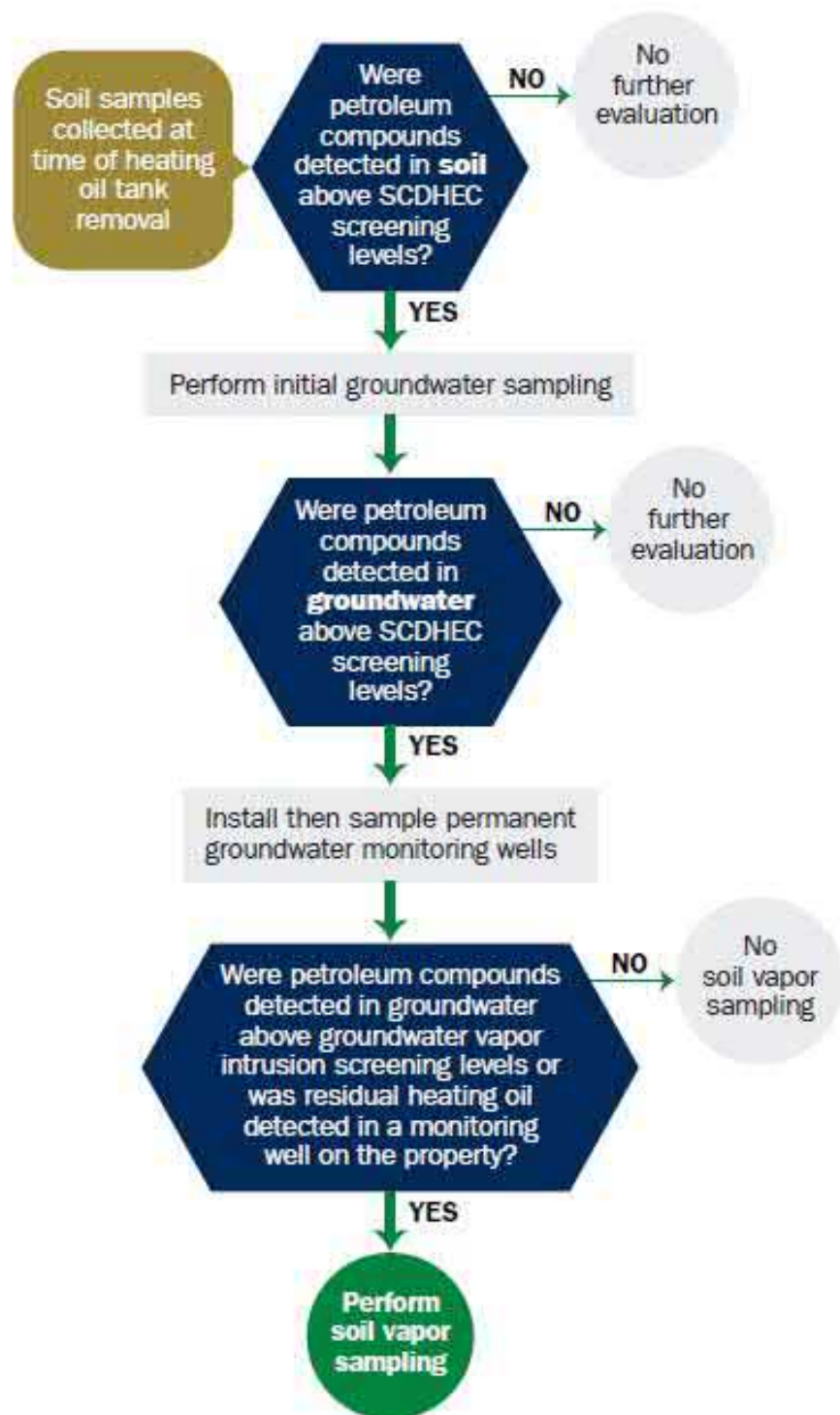
mg/kg - milligram per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

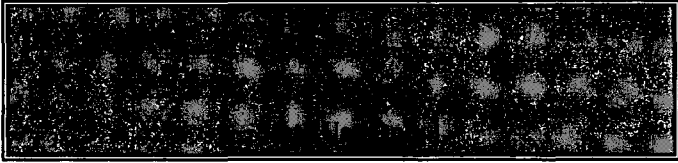
**Appendix A**  
**Multi-Media Selection Process for LBMH**



Appendix A - Multi-Media Selection Process for LBMH

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

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



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	
1261 Dove Lane, 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).....

B. Capacity..(ex. 1k, 2k).....

C. Age.....

D. Construction Material..(ex. Steel, FRP).....

E. Month/Year of Last Use.....

F. Depth (ft.) To Base of Tank.....

G. Spill Prevention Equipment Y/N.....

H. Overfill Prevention Equipment Y/N.....

I. Method of Closure Removed/Filled.....

J. Date Tanks Removed/Filled.....

K. Visible Corrosion or Pitting Y/N.....

L. Visible Holes Y/N.....

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)

UST 1261Dove was removed from the ground and disposed of 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 1261Dove 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.

1261Dove				
Heating oil				
280 gal				
Late 1950s				
Steel				
Unknown				
4'10"				
No				
No				
Removed				
9/2/09				
Yes				
Yes				

## VII. PIPING INFORMATION

A. Construction Material..(ex. Steel, FRP).....

B. Distance from UST to Dispenser.....

C. Number of Dispensers.....

D. Type of System Pressure or Suction.....

E. Was Piping Removed from the Ground? Y/N

F. Visible Corrosion or Pitting Y/N.....

G. Visible Holes Y/N.....

H. Age.....

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

1261Dove				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

Corrosion and pitting were found on the surface of the steel vent pipe. Copper supply and return lines were sound.

## VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

## IX. SITE CONDITIONS

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

## X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1261Dove	Excav at fill end	Soil	Sandy	4'10"	9/2/09 1515 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

\* = Depth Below the Surrounding Land Surface

## XI. SAMPLING METHODOLOGY

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

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

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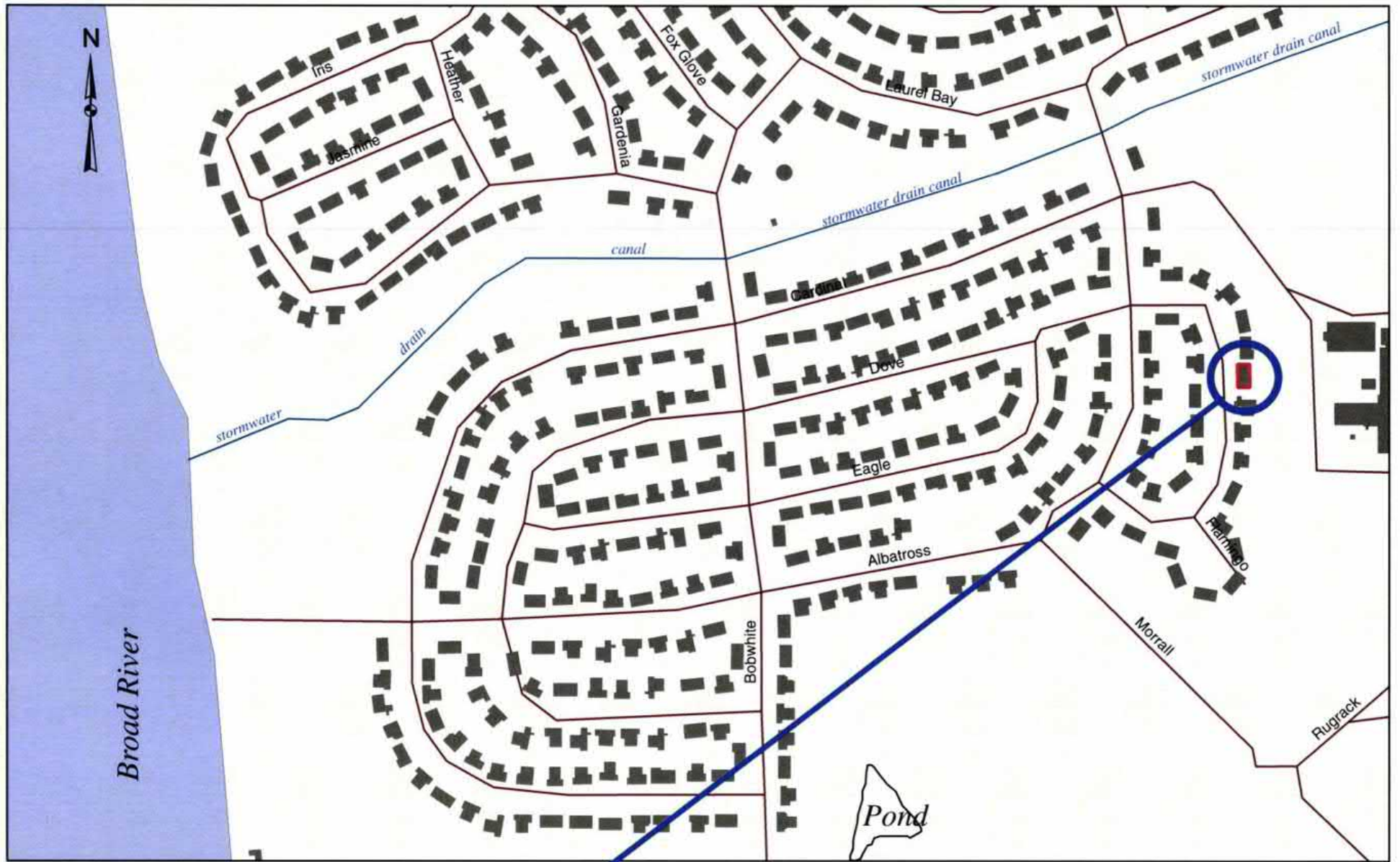
## XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p style="text-align: right;">*Stormwater drainage canal ~ 815'</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	*X	
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		X
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>		X
<p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination?</p> <p style="text-align: right;">*Sewer and water</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	*X	
<p>E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>		X

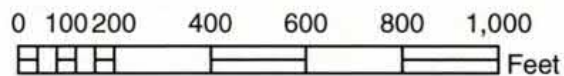
### **XIII. SITE MAP**

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

(Attach Site Map Here)



**1261 DOVE LANE**



**SBG-EEG, Inc.**

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

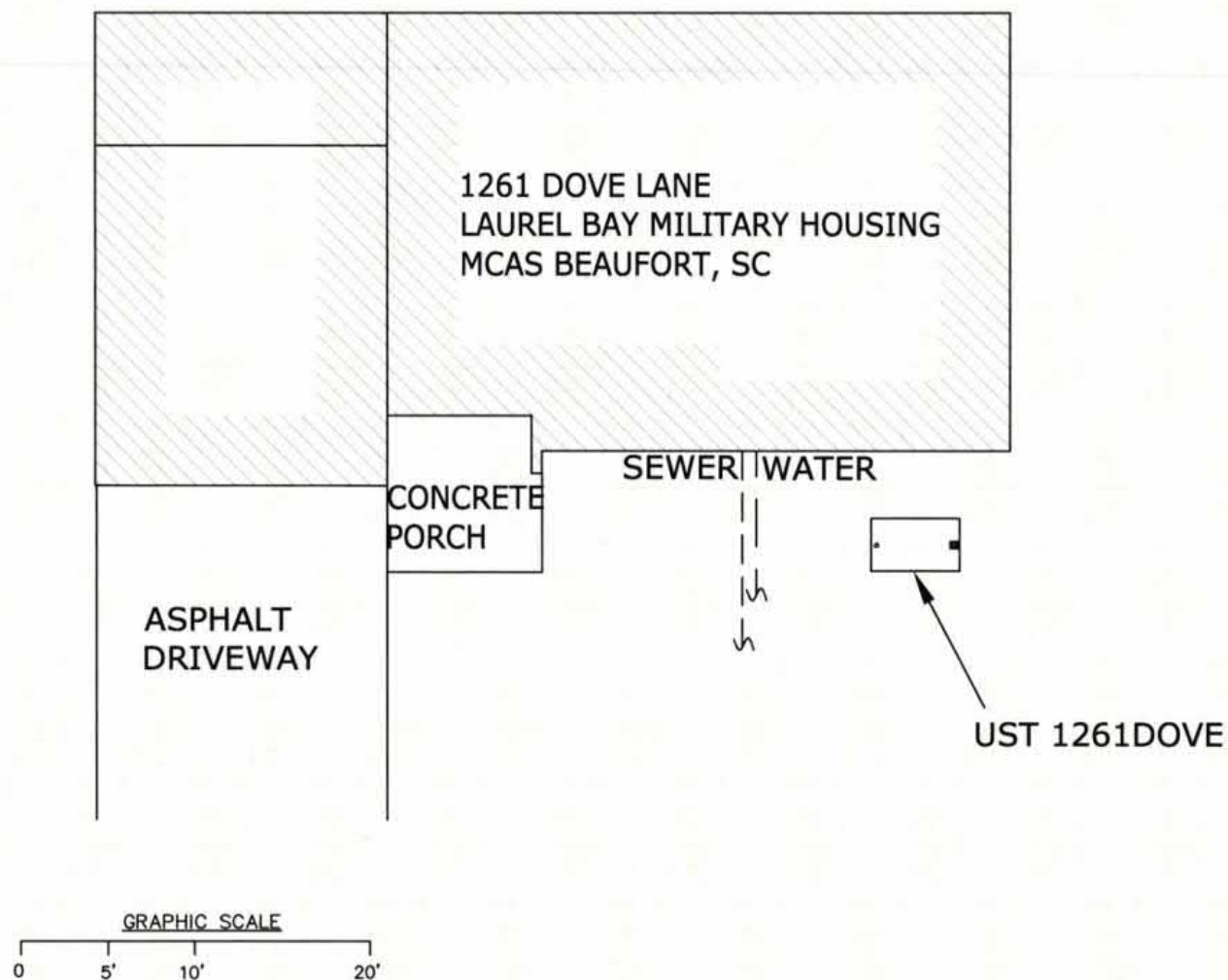
Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: Oct 2009

**FIGURE 1: LOCATION MAP**  
**1261 DOVE LANE, LAUREL BAY**  
**MCAS BEAUFORT SC**

← STORMWATER DRAINAGE  
CANAL ≈ 815'



**SBG-EEG**

10179 HWY 78  
LADSON, SC 29456

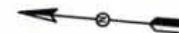
ph. (843) 879-0400

FIGURE 2 SITE MAP  
1261 DOVE LANE, LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE OCT 2009

1261 DOVE LANE



CONCRETE  
PORCH

SEWER

WATER

EXCAVATION

FILL END

UST 1261DOVE

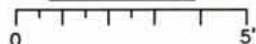
GRASS

SOIL SAMPLE  
1261 DOVE



STORMWATER DRAINAGE  
CANAL  $\approx$  815'

GRAPHIC SCALE



UST 1261DOVE WAS  
22" BELOW GRADE.

**SBG-EEG**

10179 HWY 78  
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS  
1261 DOVE LANE, LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE OCT 2009



Picture 1: Location of UST 1261Dove.



Picture 2: UST 1261Dove removal 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.

<b>CoC</b>	UST	1261Dove						
<b>Benzene</b>		ND						
<b>Toluene</b>		ND						
<b>Ethylbenzene</b>		ND						
<b>Xylenes</b>		ND						
<b>Naphthalene</b>		ND						
<b>Benzo (a) anthracene</b>		ND						
<b>Benzo (b) fluoranthene</b>		ND						
<b>Benzo (k) fluoranthene</b>		ND						
<b>Chrysene</b>		ND						
<b>Dibenz (a, h) anthracene</b>		ND						
<b>TPH (EPA 3550)</b>								

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

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

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

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

## **XV. ANALYTICAL RESULTS**

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

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

October 21, 2009 9:52:35AM

Client: EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn: Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Nbr: [none]  
P/O Nbr: 0829  
Date Received: 09/04/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1257 Dove	NSI0493-01	09/02/09 10:15
1258 Dove	NSI0493-02	09/02/09 09:45
1259 Dove	NSI0493-03	09/02/09 14:05
1261 Dove	NSI0493-04	09/02/09 15:15
1263 Dove	NSI0493-05	09/03/09 11:15
1260 Dove	NSI0493-06	09/03/09 11:45
1271 Dove	NSI0493-07	09/03/09 15:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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Additional Laboratory Comments:

REVISED REPORT: 10/21/09 KAH - To report 8270D PAH to the MDL. This report replaces the one generated on 09/21/09 @ 16:40.  
South Carolina Certification Number: 84009001

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Ken A. Hayes

Senior Project Manager

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-01 (1257 Dove - Soil) Sampled: 09/02/09 10:15</b>									
General Chemistry Parameters									
% Dry Solids	94.7		%	0.500	1	09/17/09 09:31	SW-846	BJM	9092090
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00226	1	09/15/09 20:28	SW846 8260B	CMM	9090869
Ethylbenzene	ND		mg/kg dry	0.00226	1	09/15/09 20:28	SW846 8260B	CMM	9090869
Naphthalene	ND		mg/kg dry	0.00565	1	09/15/09 20:28	SW846 8260B	CMM	9090869
Toluene	ND		mg/kg dry	0.00226	1	09/15/09 20:28	SW846 8260B	CMM	9090869
Xylenes, total	ND		mg/kg dry	0.00565	1	09/15/09 20:28	SW846 8260B	CMM	9090869
Surr: 1,2-Dichloroethane-d4 (67-138%)	88 %					09/15/09 20:28	SW846 8260B	CMM	9090869
Surr: Dibromofluoromethane (75-125%)	97 %					09/15/09 20:28	SW846 8260B	CMM	9090869
Surr: Toluene-d8 (76-129%)	98 %					09/15/09 20:28	SW846 8260B	CMM	9090869
Surr: 4-Bromofluorobenzene (67-147%)	115 %					09/15/09 20:28	SW846 8260B	CMM	9090869

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-01 (1257 Dove - Soil) - cont. Sampled: 09/02/09 10:15</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0335	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0324	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0345	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0398	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0314	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0314	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0314	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0314	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Chrysene	ND		mg/kg dry	0.0419	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0324	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Fluoranthene	ND		mg/kg dry	0.0356	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0377	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0324	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0429	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0356	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Pyrene	ND		mg/kg dry	0.0429	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0335	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0345	0.0701	1	09/11/09 13:08	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	50 %					1	09/11/09 13:08	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	43 %					1	09/11/09 13:08	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	41 %					1	09/11/09 13:08	SW846 8270D	JLS	9091057

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
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Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-02 (1258 Dove - Soil) Sampled: 09/02/09 09:45</b>									
General Chemistry Parameters									
% Dry Solids	97.4		%	0.500	1	09/17/09 09:31	SW-846	BJM	9092090
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00220	1	09/15/09 20:58	SW846 8260B	CMM	9090869
Ethylbenzene	ND		mg/kg dry	0.00220	1	09/15/09 20:58	SW846 8260B	CMM	9090869
Naphthalene	ND		mg/kg dry	0.00550	1	09/15/09 20:58	SW846 8260B	CMM	9090869
Toluene	ND		mg/kg dry	0.00220	1	09/15/09 20:58	SW846 8260B	CMM	9090869
Xylenes, total	ND		mg/kg dry	0.00550	1	09/15/09 20:58	SW846 8260B	CMM	9090869
Surr: 1,2-Dichloroethane-d4 (67-138%)	85 %					09/15/09 20:58	SW846 8260B	CMM	9090869
Surr: Dibromofluoromethane (75-125%)	97 %					09/15/09 20:58	SW846 8260B	CMM	9090869
Surr: Toluene-d8 (76-129%)	101 %					09/15/09 20:58	SW846 8260B	CMM	9090869
Surr: 4-Bromofluorobenzene (67-147%)	121 %					09/15/09 20:58	SW846 8260B	CMM	9090869

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-02 (1258 Dove - Soil) - cont. Sampled: 09/02/09 09:45</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND	RL1	mg/kg dry	0.0640	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Acenaphthylene	ND	RL1	mg/kg dry	0.0620	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Anthracene	ND	RL1	mg/kg dry	0.0660	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Benzo (a) anthracene	<b>0.104</b>	RL1, J	mg/kg dry	0.0761	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Benzo (a) pyrene	<b>0.123</b>	RL1, J	mg/kg dry	0.0600	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	<b>0.435</b>	RL1	mg/kg dry	0.0600	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	<b>0.236</b>	RL1	mg/kg dry	0.0600	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	<b>0.159</b>	RL1	mg/kg dry	0.0600	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Chrysene	<b>0.775</b>	RL1	mg/kg dry	0.0801	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	<b>0.0947</b>	RL1, J	mg/kg dry	0.0620	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Fluoranthene	ND	RL1	mg/kg dry	0.0680	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Fluorene	ND	RL1	mg/kg dry	0.0720	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	<b>0.236</b>	RL1	mg/kg dry	0.0620	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Naphthalene	ND	RL1	mg/kg dry	0.0821	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Phenanthrene	ND	RL1	mg/kg dry	0.0680	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Pyrene	<b>2.14</b>	RL1	mg/kg dry	0.0821	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND	RL1	mg/kg dry	0.0640	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND	RL1	mg/kg dry	0.0660	0.134	2	09/13/09 13:28	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	58 %					2	09/13/09 13:28	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	52 %					2	09/13/09 13:28	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	48 %					2	09/13/09 13:28	SW846 8270D	JLS	9091057

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-03 (1259 Dove - Soil) Sampled: 09/02/09 14:05</b>									
General Chemistry Parameters									
% Dry Solids	95.8		%	0.500	1	09/17/09 09:31	SW-846	BJM	9092090
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00236	1	09/15/09 21:29	SW846 8260B	CMM	9090869
Ethylbenzene	ND		mg/kg dry	0.00236	1	09/15/09 21:29	SW846 8260B	CMM	9090869
Naphthalene	ND		mg/kg dry	0.00589	1	09/15/09 21:29	SW846 8260B	CMM	9090869
Toluene	ND		mg/kg dry	0.00236	1	09/15/09 21:29	SW846 8260B	CMM	9090869
Xylenes, total	ND		mg/kg dry	0.00589	1	09/15/09 21:29	SW846 8260B	CMM	9090869
Surr: 1,2-Dichloroethane-d4 (67-138%)	89 %					09/15/09 21:29	SW846 8260B	CMM	9090869
Surr: Dibromofluoromethane (75-125%)	99 %					09/15/09 21:29	SW846 8260B	CMM	9090869
Surr: Toluene-d8 (76-129%)	99 %					09/15/09 21:29	SW846 8260B	CMM	9090869
Surr: 4-Bromofluorobenzene (67-147%)	115 %					09/15/09 21:29	SW846 8260B	CMM	9090869

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-03 (1259 Dove - Soil) - cont. Sampled: 09/02/09 14:05</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0333	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0323	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0344	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0396	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0313	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0313	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0313	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0313	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Chrysene	ND		mg/kg dry	0.0417	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0323	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Fluoranthene	ND		mg/kg dry	0.0354	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0375	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0323	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0427	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0354	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Pyrene	ND		mg/kg dry	0.0427	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0333	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0344	0.0698	1	09/11/09 13:47	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	58 %					1	09/11/09 13:47	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	49 %					1	09/11/09 13:47	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	44 %					1	09/11/09 13:47	SW846 8270D	JLS	9091057

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-04 (1261 Dove - Soil) Sampled: 09/02/09 15:15</b>									
General Chemistry Parameters									
% Dry Solids	93.8		%	0.500	1	09/17/09 09:31	SW-846	BJM	9092090
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00230	1	09/15/09 22:00	SW846 8260B	CMM	9090869
Ethylbenzene	ND		mg/kg dry	0.00230	1	09/15/09 22:00	SW846 8260B	CMM	9090869
Naphthalene	ND		mg/kg dry	0.00574	1	09/15/09 22:00	SW846 8260B	CMM	9090869
Toluene	ND		mg/kg dry	0.00230	1	09/15/09 22:00	SW846 8260B	CMM	9090869
Xylenes, total	ND		mg/kg dry	0.00574	1	09/15/09 22:00	SW846 8260B	CMM	9090869
Surr: 1,2-Dichloroethane-d4 (67-138%)	88 %					09/15/09 22:00	SW846 8260B	CMM	9090869
Surr: Dibromofluoromethane (75-125%)	97 %					09/15/09 22:00	SW846 8260B	CMM	9090869
Surr: Toluene-d8 (76-129%)	99 %					09/15/09 22:00	SW846 8260B	CMM	9090869
Surr: 4-Bromofluorobenzene (67-147%)	114 %					09/15/09 22:00	SW846 8260B	CMM	9090869

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
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Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-04 (1261 Dove - Soil) - cont. Sampled: 09/02/09 15:15</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0340	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0329	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0351	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0404	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0319	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0319	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0319	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0319	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Chrysene	ND		mg/kg dry	0.0425	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0329	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Fluoranthene	ND		mg/kg dry	0.0361	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0383	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0329	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0436	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0361	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Pyrene	ND		mg/kg dry	0.0436	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0340	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0351	0.0712	1	09/11/09 16:21	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	53 %					1	09/11/09 16:21	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	41 %					1	09/11/09 16:21	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	39 %					1	09/11/09 16:21	SW846 8270D	JLS	9091057

Client EEG - Small Business Group, Inc. (2449)  
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Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-05 (1263 Dove - Soil) Sampled: 09/03/09 11:15</b>									
General Chemistry Parameters									
% Dry Solids	98.0		%	0.500	1	09/17/09 09:31	SW-846	BJM	9092090
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00236	1	09/15/09 22:32	SW846 8260B	CMM	9090869
Ethylbenzene	ND		mg/kg dry	0.00236	1	09/15/09 22:32	SW846 8260B	CMM	9090869
Naphthalene	ND		mg/kg dry	0.00591	1	09/15/09 22:32	SW846 8260B	CMM	9090869
Toluene	ND		mg/kg dry	0.00236	1	09/15/09 22:32	SW846 8260B	CMM	9090869
Xylenes, total	ND		mg/kg dry	0.00591	1	09/15/09 22:32	SW846 8260B	CMM	9090869
Surr: 1,2-Dichloroethane-d4 (67-138%)	87 %					09/15/09 22:32	SW846 8260B	CMM	9090869
Surr: Dibromofluoromethane (75-125%)	98 %					09/15/09 22:32	SW846 8260B	CMM	9090869
Surr: Toluene-d8 (76-129%)	99 %					09/15/09 22:32	SW846 8260B	CMM	9090869
Surr: 4-Bromofluorobenzene (67-147%)	114 %					09/15/09 22:32	SW846 8260B	CMM	9090869

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-05 (1263 Dove - Soil) - cont. Sampled: 09/03/09 11:15</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0324	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0314	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0334	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Benzo (a) anthracene	0.486		mg/kg dry	0.0384	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Benzo (a) pyrene	0.0715		mg/kg dry	0.0303	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	0.328		mg/kg dry	0.0303	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	0.102		mg/kg dry	0.0303	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	0.202		mg/kg dry	0.0303	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Chrysene	0.363		mg/kg dry	0.0405	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	0.0347	J	mg/kg dry	0.0314	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Fluoranthene	1.74		mg/kg dry	0.0344	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0364	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	0.0984		mg/kg dry	0.0314	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0415	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0344	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Pyrene	1.63		mg/kg dry	0.0415	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0324	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0334	0.0678	1	09/11/09 16:40	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	58 %					1	09/11/09 16:40	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	51 %					1	09/11/09 16:40	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	47 %					1	09/11/09 16:40	SW846 8270D	JLS	9091057

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-06 (1260 Dove - Soil) Sampled: 09/03/09 11:45</b>									
General Chemistry Parameters									
% Dry Solids	95.0		%	0.500	1	09/17/09 09:31	SW-846	BJM	9092090
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00240	1	09/15/09 23:03	SW846 8260B	CMM	9090869
Ethylbenzene	ND		mg/kg dry	0.00240	1	09/15/09 23:03	SW846 8260B	CMM	9090869
Naphthalene	ND		mg/kg dry	0.00599	1	09/15/09 23:03	SW846 8260B	CMM	9090869
Toluene	ND		mg/kg dry	0.00240	1	09/15/09 23:03	SW846 8260B	CMM	9090869
Xylenes, total	ND		mg/kg dry	0.00599	1	09/15/09 23:03	SW846 8260B	CMM	9090869
Surr: 1,2-Dichloroethane-d4 (67-138%)	88 %					09/15/09 23:03	SW846 8260B	CMM	9090869
Surr: Dibromofluoromethane (75-125%)	100 %					09/15/09 23:03	SW846 8260B	CMM	9090869
Surr: Toluene-d8 (76-129%)	99 %					09/15/09 23:03	SW846 8260B	CMM	9090869
Surr: 4-Bromofluorobenzene (67-147%)	122 %					09/15/09 23:03	SW846 8260B	CMM	9090869

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-06 (1260 Dove - Soil) - cont. Sampled: 09/03/09 11:45</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0331	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0321	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0342	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0394	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0311	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0311	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0311	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0311	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Chrysene	ND		mg/kg dry	0.0414	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0321	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Fluoranthene	ND		mg/kg dry	0.0352	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0373	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0321	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0425	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0352	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Pyrene	ND		mg/kg dry	0.0425	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0331	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0342	0.0694	1	09/11/09 17:00	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	49 %					1	09/11/09 17:00	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	37 %					1	09/11/09 17:00	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	36 %					1	09/11/09 17:00	SW846 8270D	JLS	9091057

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-07 (1271 Dove - Soil) Sampled: 09/03/09 15:15</b>									
General Chemistry Parameters									
% Dry Solids	96.6		%	0.500	1	09/17/09 09:31	SW-846	BJM	9092090
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00236	1	09/15/09 23:34	SW846 8260B	CMM	9090869
Ethylbenzene	ND		mg/kg dry	0.00236	1	09/15/09 23:34	SW846 8260B	CMM	9090869
Naphthalene	ND		mg/kg dry	0.00590	1	09/15/09 23:34	SW846 8260B	CMM	9090869
Toluene	ND		mg/kg dry	0.00236	1	09/15/09 23:34	SW846 8260B	CMM	9090869
Xylenes, total	ND		mg/kg dry	0.00590	1	09/15/09 23:34	SW846 8260B	CMM	9090869
Surr: 1,2-Dichloroethane-d4 (67-138%)	85 %					09/15/09 23:34	SW846 8260B	CMM	9090869
Surr: Dibromofluoromethane (75-125%)	96 %					09/15/09 23:34	SW846 8260B	CMM	9090869
Surr: Toluene-d8 (76-129%)	99 %					09/15/09 23:34	SW846 8260B	CMM	9090869
Surr: 4-Bromofluorobenzene (67-147%)	113 %					09/15/09 23:34	SW846 8260B	CMM	9090869

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSI0493-07 (1271 Dove - Soil) - cont. Sampled: 09/03/09 15:15</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0326	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0316	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0337	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0388	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0306	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0306	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0306	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0306	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Chrysene	ND		mg/kg dry	0.0408	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0316	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Fluoranthene	ND		mg/kg dry	0.0347	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0367	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0316	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0418	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0347	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Pyrene	ND		mg/kg dry	0.0418	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0326	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0337	0.0684	1	09/11/09 17:19	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	52 %					1	09/11/09 17:19	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	49 %					1	09/11/09 17:19	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	48 %					1	09/11/09 17:19	SW846 8270D	JLS	9091057

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>							
SW846 8270D	9091057	NSI0493-01	30.27	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0493-02	30.78	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0493-03	30.06	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0493-04	30.10	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0493-05	30.27	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0493-06	30.49	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0493-07	30.44	1.00	09/09/09 12:45	TEM	EPA 3550B
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>							
SW846 8260B	9090869	NSI0493-01	4.67	5.00	09/02/09 10:15	CHH	EPA 5035
SW846 8260B	9090869	NSI0493-02	4.67	5.00	09/02/09 09:45	CHH	EPA 5035
SW846 8260B	9090869	NSI0493-03	4.43	5.00	09/02/09 14:05	CHH	EPA 5035
SW846 8260B	9090869	NSI0493-04	4.64	5.00	09/02/09 15:15	CHH	EPA 5035
SW846 8260B	9090869	NSI0493-05	4.32	5.00	09/03/09 11:15	CHH	EPA 5035
SW846 8260B	9090869	NSI0493-06	4.39	5.00	09/03/09 11:45	CHH	EPA 5035
SW846 8260B	9090869	NSI0493-07	4.39	5.00	09/03/09 15:15	CHH	EPA 5035

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NS10493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Selected Volatile Organic Compounds by EPA Method 8260B

##### 9090869-BLK1

Benzene	<0.000670		mg/kg wet	9090869	9090869-BLK1	09/15/09 18:55
Ethylbenzene	<0.000670		mg/kg wet	9090869	9090869-BLK1	09/15/09 18:55
Naphthalene	<0.00170		mg/kg wet	9090869	9090869-BLK1	09/15/09 18:55
Toluene	<0.000400		mg/kg wet	9090869	9090869-BLK1	09/15/09 18:55
Xylenes, total	<0.00130		mg/kg wet	9090869	9090869-BLK1	09/15/09 18:55
Surrogate: 1,2-Dichloroethane-d4	90%			9090869	9090869-BLK1	09/15/09 18:55
Surrogate: Dibromofluoromethane	100%			9090869	9090869-BLK1	09/15/09 18:55
Surrogate: Toluene-d8	99%			9090869	9090869-BLK1	09/15/09 18:55
Surrogate: 4-Bromofluorobenzene	114%			9090869	9090869-BLK1	09/15/09 18:55

#### Polyaromatic Hydrocarbons by EPA 8270D

##### 9091057-BLK1

Acenaphthene	<0.0320		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Acenaphthylene	<0.0310		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Anthracene	<0.0330		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Benzo (a) anthracene	<0.0380		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Benzo (a) pyrene	<0.0300		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Chrysene	<0.0400		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Fluoranthene	<0.0340		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Fluorene	<0.0360		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Naphthalene	<0.0410		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Phenanthrene	<0.0340		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Pyrene	<0.0410		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
1-Methylnaphthalene	<0.0320		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
2-Methylnaphthalene	<0.0330		mg/kg wet	9091057	9091057-BLK1	09/10/09 17:23
Surrogate: Terphenyl-d14	54%			9091057	9091057-BLK1	09/10/09 17:23
Surrogate: 2-Fluorobiphenyl	48%			9091057	9091057-BLK1	09/10/09 17:23
Surrogate: Nitrobenzene-d5	49%			9091057	9091057-BLK1	09/10/09 17:23

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## PROJECT QUALITY CONTROL DATA

### Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>9092090-DUP1</b>										
% Dry Solids	94.7	95.2		%	0.5	20	9092090	NSI0493-01		09/17/09 09:31

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## PROJECT QUALITY CONTROL DATA

### LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>								
<b>9090869-BS1</b>								
Benzene	50.0	44.8		ug/kg	90%	78 - 126	9090869	09/15/09 17:16
Ethylbenzene	50.0	47.8		ug/kg	96%	79 - 130	9090869	09/15/09 17:16
Naphthalene	50.0	55.9		ug/kg	112%	72 - 150	9090869	09/15/09 17:16
Toluene	50.0	47.3		ug/kg	95%	76 - 126	9090869	09/15/09 17:16
Xylenes, total	150	143		ug/kg	95%	80 - 130	9090869	09/15/09 17:16
Surrogate: 1,2-Dichloroethane-d4	50.0	45.6			91%	67 - 138	9090869	09/15/09 17:16
Surrogate: Dibromofluoromethane	50.0	50.6			101%	75 - 125	9090869	09/15/09 17:16
Surrogate: Toluene-d8	50.0	50.4			101%	76 - 129	9090869	09/15/09 17:16
Surrogate: 4-Bromofluorobenzene	50.0	49.0			98%	67 - 147	9090869	09/15/09 17:16
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>								
<b>9091057-BS1</b>								
Acenaphthene	1.67	1.07		mg/kg wet	64%	49 - 120	9091057	09/10/09 17:43
Acenaphthylene	1.67	1.06		mg/kg wet	64%	52 - 120	9091057	09/10/09 17:43
Anthracene	1.67	1.24		mg/kg wet	74%	58 - 120	9091057	09/10/09 17:43
Benzo (a) anthracene	1.67	1.14		mg/kg wet	68%	57 - 120	9091057	09/10/09 17:43
Benzo (a) pyrene	1.67	1.17		mg/kg wet	70%	55 - 120	9091057	09/10/09 17:43
Benzo (b) fluoranthene	1.67	1.18		mg/kg wet	71%	51 - 123	9091057	09/10/09 17:43
Benzo (g,h,i) perylene	1.67	1.02		mg/kg wet	61%	49 - 121	9091057	09/10/09 17:43
Benzo (k) fluoranthene	1.67	0.998		mg/kg wet	60%	42 - 129	9091057	09/10/09 17:43
Chrysene	1.67	1.10		mg/kg wet	66%	55 - 120	9091057	09/10/09 17:43
Dibenz (a,h) anthracene	1.67	1.06		mg/kg wet	64%	50 - 123	9091057	09/10/09 17:43
Fluoranthene	1.67	1.18		mg/kg wet	71%	58 - 120	9091057	09/10/09 17:43
Fluorene	1.67	1.09		mg/kg wet	65%	54 - 120	9091057	09/10/09 17:43
Indeno (1,2,3-cd) pyrene	1.67	1.07		mg/kg wet	64%	50 - 122	9091057	09/10/09 17:43
Naphthalene	1.67	1.06		mg/kg wet	64%	28 - 120	9091057	09/10/09 17:43
Phenanthrene	1.67	1.13		mg/kg wet	68%	56 - 120	9091057	09/10/09 17:43
Pyrene	1.67	1.06		mg/kg wet	63%	56 - 120	9091057	09/10/09 17:43
1-Methylnaphthalene	1.67	1.08		mg/kg wet	65%	36 - 120	9091057	09/10/09 17:43
2-Methylnaphthalene	1.67	1.06		mg/kg wet	64%	36 - 120	9091057	09/10/09 17:43
Surrogate: Terphenyl-d14	1.67	1.04			62%	18 - 120	9091057	09/10/09 17:43
Surrogate: 2-Fluorobiphenyl	1.67	1.01			60%	14 - 120	9091057	09/10/09 17:43
Surrogate: Nitrobenzene-d5	1.67	1.07			64%	17 - 120	9091057	09/10/09 17:43

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## PROJECT QUALITY CONTROL DATA

### LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>												
<b>9090869-BSD1</b>												
Benzene		46.2		ug/kg	50.0	92%	78 - 126	3	50	9090869		09/15/09 17:47
Ethylbenzene		49.9		ug/kg	50.0	100%	79 - 130	4	50	9090869		09/15/09 17:47
Naphthalene		59.0		ug/kg	50.0	118%	72 - 150	5	50	9090869		09/15/09 17:47
Toluene		48.8		ug/kg	50.0	98%	76 - 126	3	50	9090869		09/15/09 17:47
Xylenes, total		149		ug/kg	150	99%	80 - 130	4	50	9090869		09/15/09 17:47
Surrogate: 1,2-Dichloroethane-d4		45.7		ug/kg	50.0	91%	67 - 138			9090869		09/15/09 17:47
Surrogate: Dibromofluoromethane		50.5		ug/kg	50.0	101%	75 - 125			9090869		09/15/09 17:47
Surrogate: Toluene-d8		50.1		ug/kg	50.0	100%	76 - 129			9090869		09/15/09 17:47
Surrogate: 4-Bromofluorobenzene		31.6	Z11	ug/kg	50.0	63%	67 - 147			9090869		09/15/09 17:47

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## PROJECT QUALITY CONTROL DATA

### Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>										
<b>9090869-MS1</b>										
Benzene	ND	42.8		ug/kg	50.0	86%	42 - 141	9090869	NSI0912-01	09/16/09 01:37
Ethylbenzene	0.207	45.5		ug/kg	50.0	91%	21 - 165	9090869	NSI0912-01	09/16/09 01:37
Naphthalene	0.517	34.2		ug/kg	50.0	67%	10 - 160	9090869	NSI0912-01	09/16/09 01:37
Toluene	0.413	45.0		ug/kg	50.0	89%	45 - 145	9090869	NSI0912-01	09/16/09 01:37
Xylenes, total	0.930	135		ug/kg	150	90%	31 - 159	9090869	NSI0912-01	09/16/09 01:37
Surrogate: 1,2-Dichloroethane-d4		42.3		ug/kg	50.0	85%	67 - 138	9090869	NSI0912-01	09/16/09 01:37
Surrogate: Dibromofluoromethane		50.0		ug/kg	50.0	100%	75 - 125	9090869	NSI0912-01	09/16/09 01:37
Surrogate: Toluene-d8		49.9		ug/kg	50.0	100%	76 - 129	9090869	NSI0912-01	09/16/09 01:37
Surrogate: 4-Bromofluorobenzene		46.1		ug/kg	50.0	92%	67 - 147	9090869	NSI0912-01	09/16/09 01:37

## Polyaromatic Hydrocarbons by EPA 8270D

### 9091057-MS1

Acenaphthene	ND	1.05		mg/kg dry	1.68	62%	42 - 120	9091057	NSI0493-07	09/10/09 18:03
Acenaphthylene	ND	1.08		mg/kg dry	1.68	64%	32 - 120	9091057	NSI0493-07	09/10/09 18:03
Anthracene	ND	1.19		mg/kg dry	1.68	71%	10 - 200	9091057	NSI0493-07	09/10/09 18:03
Benzo (a) anthracene	ND	1.10		mg/kg dry	1.68	65%	41 - 120	9091057	NSI0493-07	09/10/09 18:03
Benzo (a) pyrene	ND	1.07		mg/kg dry	1.68	64%	33 - 121	9091057	NSI0493-07	09/10/09 18:03
Benzo (b) fluoranthene	ND	0.921		mg/kg dry	1.68	55%	26 - 137	9091057	NSI0493-07	09/10/09 18:03
Benzo (g,h,i) perylene	ND	0.999		mg/kg dry	1.68	59%	21 - 124	9091057	NSI0493-07	09/10/09 18:03
Benzo (k) fluoranthene	ND	1.21		mg/kg dry	1.68	72%	14 - 140	9091057	NSI0493-07	09/10/09 18:03
Chrysene	ND	1.09		mg/kg dry	1.68	65%	28 - 123	9091057	NSI0493-07	09/10/09 18:03
Dibenz (a,h) anthracene	ND	1.04		mg/kg dry	1.68	62%	25 - 127	9091057	NSI0493-07	09/10/09 18:03
Fluoranthene	ND	1.11		mg/kg dry	1.68	66%	38 - 120	9091057	NSI0493-07	09/10/09 18:03
Fluorene	ND	1.08		mg/kg dry	1.68	64%	41 - 120	9091057	NSI0493-07	09/10/09 18:03
Indeno (1,2,3-cd) pyrene	ND	1.06		mg/kg dry	1.68	63%	25 - 123	9091057	NSI0493-07	09/10/09 18:03
Naphthalene	ND	1.03		mg/kg dry	1.68	61%	25 - 120	9091057	NSI0493-07	09/10/09 18:03
Phenanthrene	ND	1.08		mg/kg dry	1.68	65%	37 - 120	9091057	NSI0493-07	09/10/09 18:03
Pyrene	ND	1.05		mg/kg dry	1.68	62%	29 - 125	9091057	NSI0493-07	09/10/09 18:03
1-Methylnaphthalene	ND	1.02		mg/kg dry	1.68	61%	19 - 120	9091057	NSI0493-07	09/10/09 18:03
2-Methylnaphthalene	ND	0.992		mg/kg dry	1.68	59%	11 - 120	9091057	NSI0493-07	09/10/09 18:03
Surrogate: Terphenyl-d14		0.919		mg/kg dry	1.68	55%	18 - 120	9091057	NSI0493-07	09/10/09 18:03
Surrogate: 2-Fluorobiphenyl		0.895		mg/kg dry	1.68	53%	14 - 120	9091057	NSI0493-07	09/10/09 18:03
Surrogate: Nitrobenzene-d5		0.889		mg/kg dry	1.68	53%	17 - 120	9091057	NSI0493-07	09/10/09 18:03

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>												
<b>9090869-MSD1</b>												
Benzene	ND	38.3		ug/kg	50.0	77%	42 - 141	11	50	9090869	NSI0912-01	09/16/09 02:07
Ethylbenzene	0.245	39.8		ug/kg	50.0	79%	21 - 165	13	50	9090869	NSI0912-01	09/16/09 02:07
Naphthalene	0.614	36.5		ug/kg	50.0	72%	10 - 160	7	50	9090869	NSI0912-01	09/16/09 02:07
Toluene	0.491	40.4		ug/kg	50.0	80%	45 - 145	11	50	9090869	NSI0912-01	09/16/09 02:07
Xylenes, total	1.10	119		ug/kg	150	79%	31 - 159	13	50	9090869	NSI0912-01	09/16/09 02:07
Surrogate: 1,2-Dichloroethane-d4		43.1		ug/kg	50.0	86%	67 - 138			9090869	NSI0912-01	09/16/09 02:07
Surrogate: Dibromofluoromethane		49.5		ug/kg	50.0	99%	75 - 125			9090869	NSI0912-01	09/16/09 02:07
Surrogate: Toluene-d8		49.6		ug/kg	50.0	99%	76 - 129			9090869	NSI0912-01	09/16/09 02:07
Surrogate: 4-Bromofluorobenzene		48.6		ug/kg	50.0	97%	67 - 147			9090869	NSI0912-01	09/16/09 02:07
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>												
<b>9091057-MSD1</b>												
Acenaphthene	ND	1.05		mg/kg dry	1.72	61%	42 - 120	0.03	40	9091057	NSI0493-07	09/10/09 18:22
Acenaphthylene	ND	1.04		mg/kg dry	1.72	61%	32 - 120	4	30	9091057	NSI0493-07	09/10/09 18:22
Anthracene	ND	1.22		mg/kg dry	1.72	71%	10 - 200	3	50	9091057	NSI0493-07	09/10/09 18:22
Benzo (a) anthracene	ND	1.11		mg/kg dry	1.72	65%	41 - 120	1	30	9091057	NSI0493-07	09/10/09 18:22
Benzo (a) pyrene	ND	1.10		mg/kg dry	1.72	64%	33 - 121	3	33	9091057	NSI0493-07	09/10/09 18:22
Benzo (b) fluoranthene	ND	0.984		mg/kg dry	1.72	57%	26 - 137	7	42	9091057	NSI0493-07	09/10/09 18:22
Benzo (g,h,i) perylene	ND	1.01		mg/kg dry	1.72	59%	21 - 124	1	32	9091057	NSI0493-07	09/10/09 18:22
Benzo (k) fluoranthene	ND	1.25		mg/kg dry	1.72	72%	14 - 140	3	39	9091057	NSI0493-07	09/10/09 18:22
Chrysene	ND	1.11		mg/kg dry	1.72	64%	28 - 123	2	34	9091057	NSI0493-07	09/10/09 18:22
Dibenz (a,h) anthracene	ND	1.04		mg/kg dry	1.72	61%	25 - 127	0.4	31	9091057	NSI0493-07	09/10/09 18:22
Fluoranthene	ND	1.19		mg/kg dry	1.72	69%	38 - 120	8	35	9091057	NSI0493-07	09/10/09 18:22
Fluorene	ND	1.07		mg/kg dry	1.72	62%	41 - 120	1	37	9091057	NSI0493-07	09/10/09 18:22
Indeno (1,2,3-cd) pyrene	ND	1.06		mg/kg dry	1.72	61%	25 - 123	0.2	32	9091057	NSI0493-07	09/10/09 18:22
Naphthalene	ND	1.05		mg/kg dry	1.72	61%	25 - 120	2	42	9091057	NSI0493-07	09/10/09 18:22
Phenanthrene	ND	1.11		mg/kg dry	1.72	64%	37 - 120	2	32	9091057	NSI0493-07	09/10/09 18:22
Pyrene	ND	1.06		mg/kg dry	1.72	61%	29 - 125	0.7	40	9091057	NSI0493-07	09/10/09 18:22
1-Methylnaphthalene	ND	1.02		mg/kg dry	1.72	59%	19 - 120	0.3	45	9091057	NSI0493-07	09/10/09 18:22
2-Methylnaphthalene	ND	1.01		mg/kg dry	1.72	59%	11 - 120	2	50	9091057	NSI0493-07	09/10/09 18:22
Surrogate: Terphenyl-d14		0.882		mg/kg dry	1.72	51%	18 - 120			9091057	NSI0493-07	09/10/09 18:22
Surrogate: 2-Fluorobiphenyl		0.857		mg/kg dry	1.72	50%	14 - 120			9091057	NSI0493-07	09/10/09 18:22
Surrogate: Nitrobenzene-d5		0.910		mg/kg dry	1.72	53%	17 - 120			9091057	NSI0493-07	09/10/09 18:22

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## CERTIFICATION SUMMARY

### TestAmerica Nashville

Method	Matrix	AIHA	Nelac	South Carolina
SW846 8260B	Soil	N/A	X	X
SW846 8270D	Soil		X	X
SW-846	Soil			

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NSI0493  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 09/04/09 08:10

## DATA QUALIFIERS AND DEFINITIONS

**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.

**RL1** Reporting limit raised due to sample matrix effects.

**Z11** Surrogate low but all targets within method criteria. No effect  
on data.

**ND** Not detected at the reporting limit (or method detection limit if shown)

## METHOD MODIFICATION NOTES

# 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

NSI0493  
09/21/09 23:59

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) P. H. SHAW

Sampler Signature: *[Signature]*

Site State: SC

PO#: 0879

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	Preservative					Other (Specify)	Matrix					Analyze For:										RUSH TAT (Pre-Schedule)
								HNO <sub>3</sub> (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H <sub>2</sub> SO <sub>4</sub> Plastic (Yellow Label)	H <sub>2</sub> SO <sub>4</sub> Glass (Yellow Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	BTEX + Napth - 82608	PAH - 8270D									
1257 DUCK	9/2/09	1015	5	X														X	3	2									
1258 DUCK	9/2/09	0945	5	X														X	3	2									
1259 DUCK	9/2/09	1405	5	X														X	3	2									
1261 DUCK	9/2/09	1515	5	X														X	3	2									
1263 DUCK	9/3/09	1115	5	X														X	3	2									
1260 DUCK	9/3/09	1145	5	X														X	3	2									
1271 DUCK	9/5/09	1515	5	X														X	3	2									

Special Instructions:

Method of Shipment:

FEDEX

Relinquished by: <i>[Signature]</i>	Date: 9/3/09	Time: 14100	Received by: <i>[Signature]</i>	Date:	Time:
Relinquished by:	Date:	Time:	Received by TestAmerica: <i>[Signature]</i>	Date: 9/4/09	Time: 0610

Laboratory Comments:

Temperature Upon Receipt:  
VOCs Free of Headspace?

Y

ATTACHMENT A



# NON-HAZARDOUS MANIFEST

CWM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
3. Generator's Name and Mailing Address <b>MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904</b>		A. Manifest Number <b>WMNA 10885416</b>		
4. Generator's Phone <b>843 228-8480</b>		B. State Generator's ID		
5. Transporter 1 Company Name <b>EEG, Inc.</b>	6. US EPA ID Number	C. State Transporter's ID		
7. Transporter 2 Company Name	8. US EPA ID Number	D. Transporter's Phone <b>843 879-0411</b>		
9. Designated Facility Name and Site Address <b>HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29936</b>	10. US EPA ID Number	E. State Transporter's ID		
		F. Transporter's Phone		
		G. State Facility's ID		
		H. Facility's Phone <b>843 987-4843</b>		
11. Description of Waste Materials		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. Heating Oil Tank filled with Sand				
WM Profile # <b>102855SC</b>		<b>001</b>	<b>6.81</b>	<b>TN</b>
b. WM Profile #				
c. WM Profile #				
WM Profile #				
J. Additional Descriptions for Materials Listed Above		K. Disposal Location		
Landfill _____ Solidification _____		Cell _____ Level _____		
Bio Remediation _____		Grid _____		
15. Special Handling Instructions and Additional Information <b>GEN LIST IS FROM 1214 CARDINAL ✓ 1215 CARDINAL ✓</b>		3) 1259 DOW ✓ 5) 1263 DOW ✓ 4) 1261 DOW ✓ 6) 1260 DOW ✓		
Purchase Order # _____		EMERGENCY CONTACT:		
16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 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/Typed Name <b>W.C. Duke, Jr.</b>		Signature "On behalf of" <i>[Signature]</i>		Month Day Year <b>10/10/19</b>
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name <b>James Baldwin</b>		Signature <i>[Signature]</i>		Month Day Year <b>10/10/19</b>
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
Printed/Typed Name <b>Jan Collins</b>		Signature <i>[Signature]</i>		Month Day Year <b>10/10/19</b>

## **Appendix C**

### **Regulatory Correspondence**



C. Earl Hunter, Commissioner

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

Bureau of Land and Waste Management  
Division of Waste Management

May 5, 2010

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

RE: No Further Action  
Laurel Bay Underground Storage Tank Assessment Report for:

- |                 |             |             |                 |
|-----------------|-------------|-------------|-----------------|
| • 1273 Flamingo | • 1251 Dove | • 1261 Dove | • 1281 Flamingo |
| • 1275 Flamingo | • 1255 Dove | • 1260 Dove | • 1279 Flamingo |
| • 1246 Dove     | • 1257 Dove | • 1271 Dove | • 1277 Flamingo |
| • 1249 Dove     | • 1259 Dove | • 1264 Dove |                 |

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tanks (USTs) Assessment Report on December 11, 2009 for the addresses listed above.

The Department has reviewed the referenced assessment report and agrees there is no indication of soil or groundwater contamination on this 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 Corp 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 [pickettcn@dhec.sc.gov](mailto:pickettcn@dhec.sc.gov) or 803-896-4131.

Sincerely,

Christi Pickett  
Corrective Action Engineering Section  
Bureau of Land and Waste Management  
South Carolina Department of Health and Environmental Control

cc: Laurel Rhoten (via email)  
Craig Ehde (via email)