

**SUMMARY REPORT
PLAYGROUND AREA (FORMERLY 1247 WEST 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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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**

Table of Contents

1.0	INTRODUCTION	1
1.1	BACKGROUND INFORMATION.....	1
1.2	UST REMOVAL AND ASSESSMENT PROCESS.....	2
2.0	SAMPLING ACTIVITIES AND RESULTS	3
2.1	UST REMOVAL AND SOIL SAMPLING	3
2.2	SOIL ANALYTICAL RESULTS.....	4
2.3	GROUNDWATER SAMPLING.....	4
2.4	GROUNDWATER ANALYTICAL RESULTS	5
3.0	PROPERTY STATUS.....	5
4.0	REFERENCES	5

Tables

Table 1	Laboratory Analytical Results - Soil
Table 2	Laboratory Analytical Results - Groundwater

Appendices

Appendix A	Multi-Media Selection Process for LBMH
Appendix B	UST Assessment Report
Appendix C	Laboratory Analytical Report - Groundwater
Appendix D	Regulatory Correspondence

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 the playground area (Formerly 1247 West 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 the playground area (Formerly 1247 West Dove Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1247 Dove Lane* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

On August 31, 2009, a single 280 gallon heating oil UST was removed from the backyard adjacent to the sidewalk at the playground area (Formerly 1247 West Dove Lane). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed, cleaned, and shipped offsite for recycling. There was no visual evidence

(i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 5'8" 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 the playground area (Formerly 1247 West Dove Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 24, 2016, SCDHEC requested an IGWA for the playground area (Formerly 1247 West Dove Lane) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On March 9, 2017, a temporary monitoring well was installed at the playground area (Formerly 1247 West Dove Lane), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017).

2.4 Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 2. A copy of the laboratory analytical data report is included in Appendix C.

The groundwater results collected from the playground area (Formerly 1247 West Dove Lane) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for the playground area (Formerly 1247 West Dove Lane). This NFA determination was obtained in a letter dated July 27, 2017. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1247 West Dove Lane, Laurel Bay Military Housing Area*, December 2009.

Resolution Consultants, 2017. *Initial Groundwater Investigation Report – February and March 2017 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, June 2017.

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

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

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

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

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

South Carolina Department of Health and Environmental Control Bureau of Water, 2016. *R.61-71, Well Standards*, June 2016.

Tables

Table 1
Laboratory Analytical Results - Soil
Playground (Formerly 1247 West Dove Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 08/31/09
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	0.0367
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 and 3.1 (SCDHEC, May 2015 and SCDHEC, February 2016) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
Playground (Formerly 1247 West Dove Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 03/09/17
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	ND
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

⁽²⁾ Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of 1×10^{-6} , a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

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

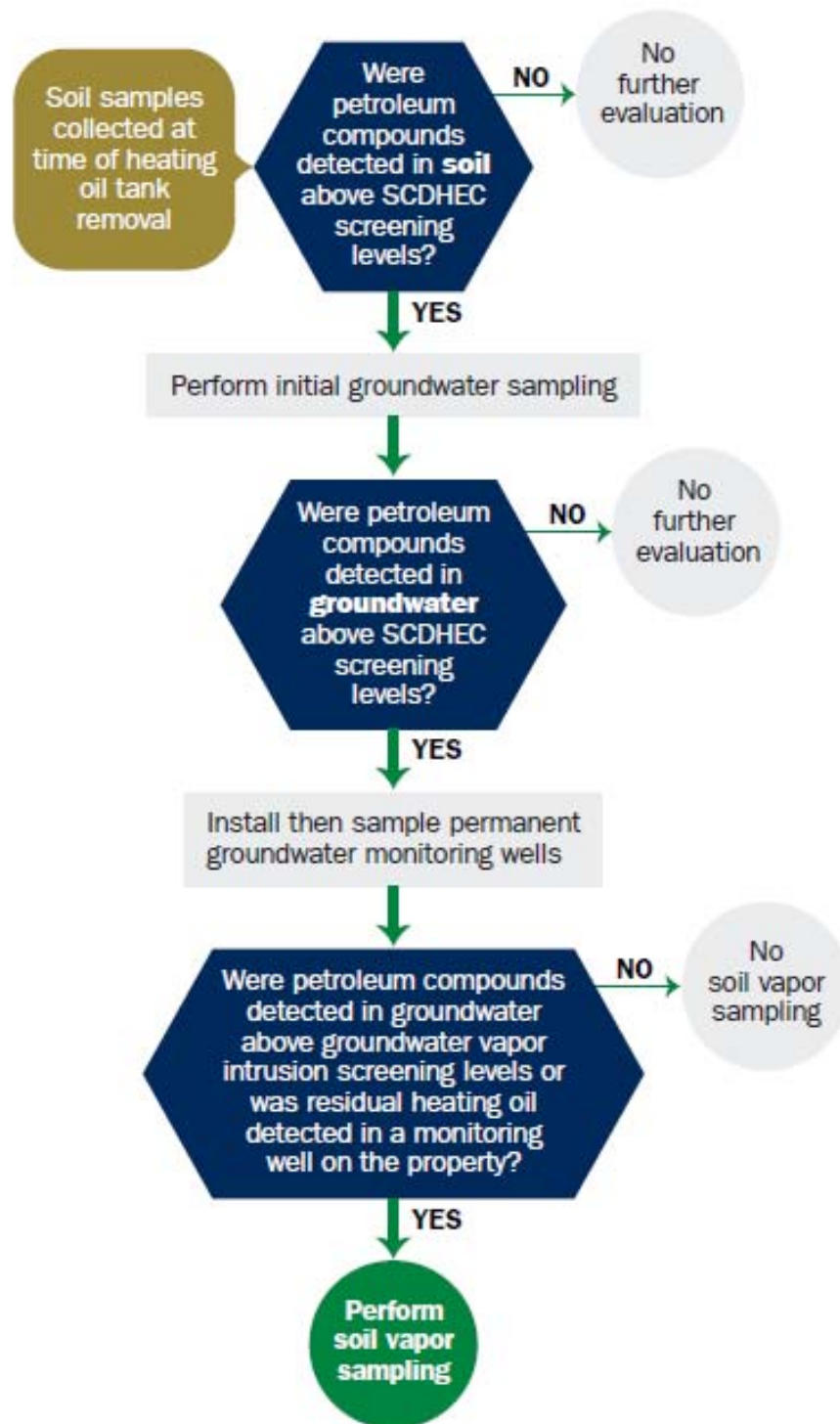
RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

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

Date Received
State Use Only

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

RECEIVED

DEC 11 2009

SC DHEC - Bureau of
 Land & Waste Management

I. OWNERSHIP OF UST (S)

MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde)		
Owner Name (Corporation, Individual, Public Agency, Other)		
P.O. Box 55001		
Mailing Address		
Beaufort,	South Carolina	29904-5001
City	State	Zip Code
843	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #	
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC	
Facility Name or Company Site Identifier	
1247 Dove Lane, Laurel Bay Military Housing Area	
Street Address or State Road (as applicable)	
Beaufort,	Beaufort
City	County

III. INSURANCE INFORMATION

Insurance Statement

The petroleum release reported to DHEC on _____ at Permit ID Number _____ may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. **This section must be completed.**

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES**____ **NO**____ (check one)

If you answered **YES** to the above question, please complete the following information:

My policy provider is: _____

The policy deductible is: _____

The policy limit is: _____

If you have this type of insurance, please include a copy of the policy with this report.

IV. REQUEST FOR SUPERB FUNDING

I **DO** / **DO NOT** wish to participate in the SUPERB Program. (Circle one.)

V. CERTIFICATION (To be signed by the UST owner)

I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

Notary Public for the state of _____
Please affix State seal if you are commissioned outside South Carolina

VI. UST INFORMATION

- A. Product...(ex. Gas, Kerosene).....
- B. Capacity..(ex. 1k, 2k).....
- C. Age.....
- D. Construction Material..(ex. Steel, FRP).....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion or Pitting Y/N.....
- L. Visible Holes Y/N.....

1247Dove				
Heating oil				
280 gal				
Late 1950s				
Steel				
Unknown				
5' 8"				
No				
No				
Removed				
8/31/09				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1247Dove 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 1247Dove had been previously filled with sand by others.
-
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found throughout the tank.
-

VII. PIPING INFORMATION

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

*All piping was removed earlier by others.

1247Dove				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
*Unknown				
*Unknown				
Late 1950s				

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.

*Lot 1247 Dove Lane is now a playground. Specifics regarding the house that once occupied this site are unknown.

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 84009001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1247Dove	Excav at fill end	Soil	Sandy	5'8"	8/31/09 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.

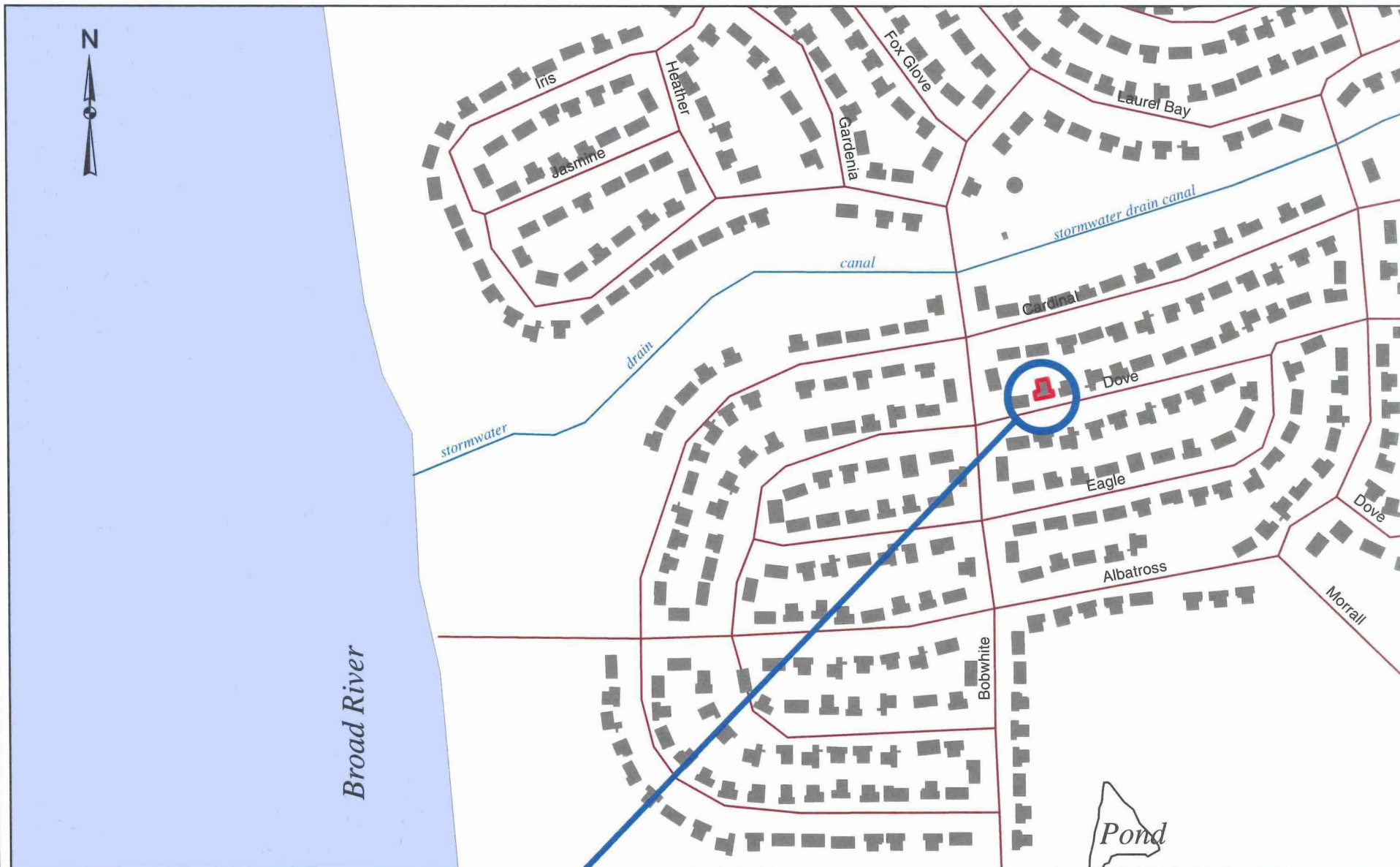
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Stormwater drainage canal ~ 388' 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? 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

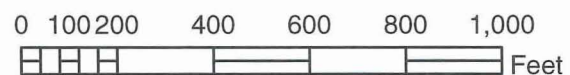
You must supply a scaled site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.

(Attach Site Map Here)



1247 DOVE LANE

Note: 1247 Dove Ln. is now a playground.



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
1247 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

STORMWATER DRAINAGE
CANAL $\approx 388'$



UST 1247DOVE

27'-6"

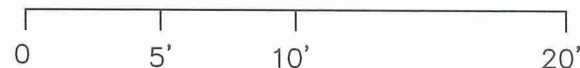
20'-4"

SCREENED PORCH

REAR OF
1249 DOVE LANE

APPROXIMATE LOCATION OF FORMER
1247 DOVE LANE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC

GRAPHIC SCALE



SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
1247 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE OCT 2009

STORMWATER DRAINAGE
CANAL $\approx$ 388'

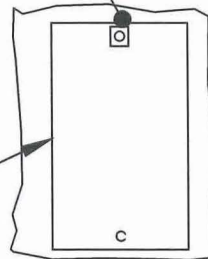


SOIL SAMPLE
1247 DOVE

FILL END

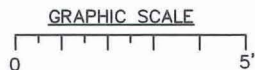
UST 1247DOVE
280 GAL.

EXCAVATION



GRASS

APPROXIMATE LOCATION OF FORMER
1247 DOVE LANE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



UST 1247DOVE WAS
32" BELOW GRADE.

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1247 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE OCT 2009



Picture 1: Location of UST 1247Dove.



Picture 2: UST 1247Dove 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.

CoC	UST	1247Dove						
Benzene		ND						
Toluene		ND						
Ethylbenzene		ND						
Xylenes		ND						
Naphthalene		ND						
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)

October 21, 2009

9:51:12AM

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

Work Order: NSI0489
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
1246 Dove ✓	NSI0489-01	08/31/09 09:15
1247 Dove ✓	NSI0489-02	08/31/09 11:00
1249 Dove ✓	NSI0489-03	08/31/09 14:10
1251 Dove ✓	NSI0489-04	09/01/09 09:15
1250 Dove ✓	NSI0489-05	09/01/09 09:25
1255 Dove ✓	NSI0489-06	09/01/09 13:45
1252 Dove ✓	NSI0489-07	09/01/09 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.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

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 @ 16:33.
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: NSI0489
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
Sample ID: NSI0489-01 (1246 Dove - Soil) Sampled: 08/31/09 09:15									
General Chemistry Parameters									
% Dry Solids	92.6		%	0.500	1	09/17/09 10:18	SW-846	AJK	9092092
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00224	1	09/11/09 01:41	SW846 8260B	SMS	9090291
Ethylbenzene	ND		mg/kg dry	0.00224	1	09/11/09 01:41	SW846 8260B	SMS	9090291
Naphthalene	ND		mg/kg dry	0.00560	1	09/11/09 01:41	SW846 8260B	SMS	9090291
Toluene	ND		mg/kg dry	0.00224	1	09/11/09 01:41	SW846 8260B	SMS	9090291
Xylenes, total	ND		mg/kg dry	0.00560	1	09/11/09 01:41	SW846 8260B	SMS	9090291
Surr: 1,2-Dichloroethane-d4 (67-138%)	101 %					09/11/09 01:41	SW846 8260B	SMS	9090291
Surr: Dibromofluoromethane (75-125%)	103 %					09/11/09 01:41	SW846 8260B	SMS	9090291
Surr: Toluene-d8 (76-129%)	100 %					09/11/09 01:41	SW846 8260B	SMS	9090291
Surr: 4-Bromofluorobenzene (67-147%)	103 %					09/11/09 01:41	SW846 8260B	SMS	9090291

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

Work Order: NSI0489
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
Sample ID: NSI0489-01 (1246 Dove - Soil) - cont. Sampled: 08/31/09 09:15										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0335	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Acenaphthylene	ND		mg/kg dry	0.0324	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Anthracene	ND		mg/kg dry	0.0345	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Benzo (a) anthracene	ND		mg/kg dry	0.0398	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Benzo (a) pyrene	ND		mg/kg dry	0.0314	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Benzo (b) fluoranthene	ND		mg/kg dry	0.0314	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0314	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Benzo (k) fluoranthene	ND		mg/kg dry	0.0314	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Chrysene	ND		mg/kg dry	0.0419	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0324	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Fluoranthene	ND		mg/kg dry	0.0356	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Fluorene	ND		mg/kg dry	0.0377	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0324	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Naphthalene	ND		mg/kg dry	0.0429	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Phenanthrene	ND		mg/kg dry	0.0356	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Pyrene	ND		mg/kg dry	0.0429	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
1-Methylnaphthalene	ND		mg/kg dry	0.0335	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
2-Methylnaphthalene	ND		mg/kg dry	0.0345	0.0701	1	09/12/09 07:23	SW846 8270D	JLS	9091342
Surr: Terphenyl-d14 (18-120%)	63 %					1	09-12-09 07:23	SW846 8270D	JLS	9091342
Surr: 2-Fluorobiphenyl (14-120%)	49 %					1	09-12-09 07:23	SW846 8270D	JLS	9091342
Surr: Nitrobenzene-d5 (17-120%)	48 %					1	09-12-09 07:23	SW846 8270D	JLS	9091342

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

Work Order: NSI0489
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
Sample ID: NSI0489-02 (1247 Dove - Soil) Sampled: 08/31/09 11:00									
General Chemistry Parameters									
% Dry Solids	91.8		%	0.500	1	09/17/09 10:18	SW-846	AJK	9092092
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00224	1	09/11/09 15:38	SW846 8260B	SMS	9091668
Ethylbenzene	ND		mg/kg dry	0.00224	1	09/11/09 15:38	SW846 8260B	SMS	9091668
Naphthalene	ND		mg/kg dry	0.291	50	09/11/09 19:33	SW846 8260B	JJP	9091735
Toluene	ND		mg/kg dry	0.00224	1	09/11/09 15:38	SW846 8260B	SMS	9091668
Xylenes, total	ND		mg/kg dry	0.00559	1	09/11/09 15:38	SW846 8260B	SMS	9091668
Surr: 1,2-Dichloroethane-d4 (67-138%)	110 %					09/11/09 15:38	SW846 8260B	SMS	9091668
Surr: 1,2-Dichloroethane-d4 (67-138%)	93 %					09/11/09 19:33	SW846 8260B	JJP	9091735
Surr: Dibromofluoromethane (75-125%)	102 %					09/11/09 15:38	SW846 8260B	SMS	9091668
Surr: Dibromofluoromethane (75-125%)	95 %					09/11/09 19:33	SW846 8260B	JJP	9091735
Surr: Toluene-d8 (76-129%)	111 %					09/11/09 15:38	SW846 8260B	SMS	9091668
Surr: Toluene-d8 (76-129%)	100 %					09/11/09 19:33	SW846 8260B	JJP	9091735
Surr: 4-Bromofluorobenzene (67-147%)	160 %	ZX				09/11/09 15:38	SW846 8260B	SMS	9091668
Surr: 4-Bromofluorobenzene (67-147%)	107 %					09/11/09 19:33	SW846 8260B	JJP	9091735

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

Work Order: NSI0489
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
Sample ID: NSI0489-02 (1247 Dove - Soil) - cont. Sampled: 08/31/09 11:00										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0342	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Acenaphthylene	ND		mg/kg dry	0.0332	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Anthracene	ND		mg/kg dry	0.0353	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0407	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Benzo (a) pyrene	0.144		mg/kg dry	0.0321	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0321	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Benzo (g,h,i) perylene	0.0485	J	mg/kg dry	0.0321	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Benzo (k) fluoranthene	0.0367	J	mg/kg dry	0.0321	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Chrysene	ND		mg/kg dry	0.0428	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0332	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Fluoranthene	ND		mg/kg dry	0.0364	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Fluorene	ND		mg/kg dry	0.0385	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Indeno (1,2,3-cd) pyrene	0.0399	J	mg/kg dry	0.0332	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Naphthalene	ND		mg/kg dry	0.0439	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Phenanthrene	ND		mg/kg dry	0.0364	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Pyrene	ND		mg/kg dry	0.0439	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0342	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0353	0.0717	1	09/10/09 20:37	SW846 8270D	BES	9091057
Surr: Terphenyl-d14 (18-120%)	56 %					J	09/10/09 20:37	SW846 8270D	BES	9091057
Surr: 2-Fluorobiphenyl (14-120%)	59 %					J	09/10/09 20:37	SW846 8270D	BES	9091057
Surr: Nitrobenzene-d5 (17-120%)	48 %					J	09/10/09 20:37	SW846 8270D	BES	9091057

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

Work Order: NSI0489
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
Sample ID: NSI0489-03 (1249 Dove - Soil) Sampled: 08/31/09 14:10									
General Chemistry Parameters									
% Dry Solids	92.9		%	0.500	1	09/17/09 10:18	SW-846	AJK	9092092
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00226	1	09/11/09 02:39	SW846 8260B	SMS	9090291
Ethylbenzene	ND		mg/kg dry	0.00226	1	09/11/09 02:39	SW846 8260B	SMS	9090291
Naphthalene	ND		mg/kg dry	0.00564	1	09/11/09 02:39	SW846 8260B	SMS	9090291
Toluene	ND		mg/kg dry	0.00226	1	09/11/09 02:39	SW846 8260B	SMS	9090291
Xylenes, total	ND		mg/kg dry	0.00564	1	09/11/09 02:39	SW846 8260B	SMS	9090291
Surr: 1,2-Dichloroethane-d4 (67-138%)	98 %					09/11/09 02:39	SW846 8260B	SMS	9090291
Surr: Dibromofluoromethane (75-125%)	101 %					09/11/09 02:39	SW846 8260B	SMS	9090291
Surr: Toluene-d8 (76-129%)	107 %					09/11/09 02:39	SW846 8260B	SMS	9090291
Surr: 4-Bromofluorobenzene (67-147%)	124 %					09/11/09 02:39	SW846 8260B	SMS	9090291

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

Work Order: NSI0489
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
Sample ID: NSI0489-03 (1249 Dove - Soil) - cont. Sampled: 08/31/09 14:10										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0336	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Acenaphthylene	ND		mg/kg dry	0.0325	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Anthracene	ND		mg/kg dry	0.0346	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0399	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Benzo (a) pyrene	0.0910		mg/kg dry	0.0315	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0315	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0315	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0315	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Chrysene	ND		mg/kg dry	0.0420	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0325	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Fluoranthene	ND		mg/kg dry	0.0357	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Fluorene	ND		mg/kg dry	0.0378	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0325	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Naphthalene	ND		mg/kg dry	0.0430	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Phenanthrene	ND		mg/kg dry	0.0357	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Pyrene	ND		mg/kg dry	0.0430	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0336	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0346	0.0703	1	09/10/09 20:57	SW846 8270D	BES	9091057
Surr: Terphenyl-d14 (18-120%)	67 %					1	09/10/09 20:57	SW846 8270D	BES	9091057
Surr: 2-Fluorobiphenyl (14-120%)	49 %					1	09/10/09 20:57	SW846 8270D	BES	9091057
Surr: Nitrobenzene-d5 (17-120%)	54 %					1	09/10/09 20:57	SW846 8270D	BES	9091057

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

Work Order: NSI0489
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
Sample ID: NSI0489-04 (1251 Dove - Soil) Sampled: 09/01/09 09:15									
General Chemistry Parameters									
% Dry Solids	96.3		%	0.500	1	09/17/09 10:18	SW-846	AJK	9092092
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00228	1	09/11/09 03:09	SW846 8260B	SMS	9090291
Ethylbenzene	ND		mg/kg dry	0.00228	1	09/11/09 03:09	SW846 8260B	SMS	9090291
Naphthalene	ND		mg/kg dry	0.00571	1	09/11/09 03:09	SW846 8260B	SMS	9090291
Toluene	ND		mg/kg dry	0.00228	1	09/11/09 03:09	SW846 8260B	SMS	9090291
Xylenes, total	ND		mg/kg dry	0.00571	1	09/11/09 03:09	SW846 8260B	SMS	9090291
Surr: 1,2-Dichloroethane-d4 (67-138%)	94 %					09/11/09 03:09	SW846 8260B	SMS	9090291
Surr: Dibromofluoromethane (75-125%)	94 %					09/11/09 03:09	SW846 8260B	SMS	9090291
Surr: Toluene-d8 (76-129%)	102 %					09/11/09 03:09	SW846 8260B	SMS	9090291
Surr: 4-Bromofluorobenzene (67-147%)	102 %					09/11/09 03:09	SW846 8260B	SMS	9090291

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

Work Order: NSI0489
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
Sample ID: NSI0489-04 (1251 Dove - Soil) - cont. Sampled: 09/01/09 09:15										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0331	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Acenaphthylene	ND		mg/kg dry	0.0320	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Anthracene	ND		mg/kg dry	0.0341	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0393	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0310	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0310	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0310	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0310	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Chrysene	ND		mg/kg dry	0.0413	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0320	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Fluoranthene	ND		mg/kg dry	0.0351	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Fluorene	ND		mg/kg dry	0.0372	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0320	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Naphthalene	ND		mg/kg dry	0.0423	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Phenanthrene	ND		mg/kg dry	0.0351	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Pyrene	ND		mg/kg dry	0.0423	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0331	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0341	0.0692	1	09/10/09 21:16	SW846 8270D	BES	9091057
Surr: Terphenyl-d14 (18-120%)	55 %					1	09-10-09 21:16	SW846 8270D	BES	9091057
Surr: 2-Fluorobiphenyl (14-120%)	47 %					1	09-10-09 21:16	SW846 8270D	BES	9091057
Surr: Nitrobenzene-d5 (17-120%)	47 %					1	09-10-09 21:16	SW846 8270D	BES	9091057

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

Work Order: NSI0489
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
Sample ID: NSI0489-05 (1250 Dove - Soil) Sampled: 09/01/09 09:25									
General Chemistry Parameters									
% Dry Solids	91.4		%	0.500	1	09/17/09 10:18	SW-846	AJK	9092092
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00243	1	09/11/09 03:38	SW846 8260B	SMS	9090291
Ethylbenzene	ND		mg/kg dry	0.00243	1	09/11/09 03:38	SW846 8260B	SMS	9090291
Naphthalene	ND		mg/kg dry	0.00606	1	09/11/09 03:38	SW846 8260B	SMS	9090291
Toluene	ND		mg/kg dry	0.00243	1	09/11/09 03:38	SW846 8260B	SMS	9090291
Xylenes, total	ND		mg/kg dry	0.00606	1	09/11/09 03:38	SW846 8260B	SMS	9090291
Surr: 1,2-Dichloroethane-d4 (67-138%)	90 %					09/11/09 03:38	SW846 8260B	SMS	9090291
Surr: Dibromofluoromethane (75-125%)	95 %					09/11/09 03:38	SW846 8260B	SMS	9090291
Surr: Toluene-d8 (76-129%)	100 %					09/11/09 03:38	SW846 8260B	SMS	9090291
Surr: 4-Bromofluorobenzene (67-147%)	102 %					09/11/09 03:38	SW846 8260B	SMS	9090291

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

Work Order: NSI0489
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
Sample ID: NSI0489-05 (1250 Dove - Soil) - cont. Sampled: 09/01/09 09:25										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0346	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Acenaphthylene	ND		mg/kg dry	0.0336	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Anthracene	ND		mg/kg dry	0.0357	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0411	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0325	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0325	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0325	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0325	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Chrysene	ND		mg/kg dry	0.0433	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0336	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Fluoranthene	ND		mg/kg dry	0.0368	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Fluorene	ND		mg/kg dry	0.0390	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0336	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Naphthalene	ND		mg/kg dry	0.0444	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Phenanthrene	ND		mg/kg dry	0.0368	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Pyrene	ND		mg/kg dry	0.0444	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0346	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0357	0.0725	1	09/10/09 21:36	SW846 8270D	BES	9091057
Surr: Terphenyl-d14 (18-120%)	51 %					1	09/10/09 21:36	SW846 8270D	BES	9091057
Surr: 2-Fluorobiphenyl (14-120%)	38 %					1	09/10/09 21:36	SW846 8270D	BES	9091057
Surr: Nitrobenzene-d5 (17-120%)	38 %					1	09/10/09 21:36	SW846 8270D	BES	9091057

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

Work Order: NSI0489
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
Sample ID: NSI0489-06 (1255 Dove - Soil) Sampled: 09/01/09 13:45									
General Chemistry Parameters									
% Dry Solids	94.1		%	0.500	1	09/17/09 10:18	SW-846	AJK	9092092
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00232	1	09/11/09 04:07	SW846 8260B	SMS	9090291
Ethylbenzene	ND		mg/kg dry	0.00232	1	09/11/09 04:07	SW846 8260B	SMS	9090291
Naphthalene	ND		mg/kg dry	0.00580	1	09/11/09 04:07	SW846 8260B	SMS	9090291
Toluene	ND		mg/kg dry	0.00232	1	09/11/09 04:07	SW846 8260B	SMS	9090291
Xylenes, total	ND		mg/kg dry	0.00580	1	09/11/09 04:07	SW846 8260B	SMS	9090291
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	98 %					09/11/09 04:07	SW846 8260B	SMS	9090291
<i>Surr: Dibromofluoromethane (75-125%)</i>	101 %					09/11/09 04:07	SW846 8260B	SMS	9090291
<i>Surr: Toluene-d8 (76-129%)</i>	103 %					09/11/09 04:07	SW846 8260B	SMS	9090291
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	105 %					09/11/09 04:07	SW846 8260B	SMS	9090291

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

Work Order: NSI0489
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
Sample ID: NSI0489-06 (1255 Dove - Soil) - cont. Sampled: 09/01/09 13:45										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0330	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0319	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0340	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Benzo (a) anthracene	ND		mg/kg dry	0.0392	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Benzo (a) pyrene	ND		mg/kg dry	0.0309	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	ND		mg/kg dry	0.0309	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0309	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	ND		mg/kg dry	0.0309	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Chrysene	ND		mg/kg dry	0.0412	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0319	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Fluoranthene	ND		mg/kg dry	0.0350	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0371	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0319	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0422	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0350	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Pyrene	ND		mg/kg dry	0.0422	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0330	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0340	0.0690	1	09/11/09 12:29	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	51 %					1	09/11/09 12:29	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	44 %					1	09/11/09 12:29	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	41 %					1	09/11/09 12:29	SW846 8270D	JLS	9091057

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

Work Order: NSI0489
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
Sample ID: NSI0489-07 (1252 Dove - Soil) Sampled: 09/01/09 15:15									
General Chemistry Parameters									
% Dry Solids	93.5		%	0.500	1	09/17/09 10:18	SW-846	AJK	9092092
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00255	1	09/11/09 04:37	SW846 8260B	SMS	9090291
Ethylbenzene	ND		mg/kg dry	0.00255	1	09/11/09 04:37	SW846 8260B	SMS	9090291
Naphthalene	ND		mg/kg dry	0.00637	1	09/11/09 04:37	SW846 8260B	SMS	9090291
Toluene	ND		mg/kg dry	0.00255	1	09/11/09 04:37	SW846 8260B	SMS	9090291
Xylenes, total	ND		mg/kg dry	0.00637	1	09/11/09 04:37	SW846 8260B	SMS	9090291
Surr: 1,2-Dichloroethane-d4 (67-138%)	92 %					09/11/09 04:37	SW846 8260B	SMS	9090291
Surr: Dibromofluoromethane (75-125%)	93 %					09/11/09 04:37	SW846 8260B	SMS	9090291
Surr: Toluene-d8 (76-129%)	103 %					09/11/09 04:37	SW846 8260B	SMS	9090291
Surr: 4-Bromofluorobenzene (67-147%)	103 %					09/11/09 04:37	SW846 8260B	SMS	9090291

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

Work Order: NSI0489
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
Sample ID: NSI0489-07 (1252 Dove - Soil) - cont. Sampled: 09/01/09 15:15										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0333	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Acenaphthylene	ND		mg/kg dry	0.0323	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Anthracene	ND		mg/kg dry	0.0344	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Benzo (a) anthracene	0.157		mg/kg dry	0.0396	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Benzo (a) pyrene	0.0687	J	mg/kg dry	0.0312	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Benzo (b) fluoranthene	0.102		mg/kg dry	0.0312	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0312	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Benzo (k) fluoranthene	0.0743		mg/kg dry	0.0312	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Chrysene	0.163		mg/kg dry	0.0417	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0323	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Fluoranthene	0.238		mg/kg dry	0.0354	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Fluorene	ND		mg/kg dry	0.0375	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0323	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Naphthalene	ND		mg/kg dry	0.0427	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Phenanthrene	ND		mg/kg dry	0.0354	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Pyrene	0.220		mg/kg dry	0.0427	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
1-Methylnaphthalene	ND		mg/kg dry	0.0333	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
2-Methylnaphthalene	ND		mg/kg dry	0.0344	0.0698	1	09/11/09 12:48	SW846 8270D	JLS	9091057
Surr: Terphenyl-d14 (18-120%)	57 %					J	09/11/09 12:48	SW846 8270D	JLS	9091057
Surr: 2-Fluorobiphenyl (14-120%)	47 %					J	09/11/09 12:48	SW846 8270D	JLS	9091057
Surr: Nitrobenzene-d5 (17-120%)	45 %					J	09/11/09 12:48	SW846 8270D	JLS	9091057

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

Work Order: NSI0489
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
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	9091342	NSI0489-01	30.95	1.00	09/10/09 13:55	TEM	EPA 3550C
SW846 8270D	9091057	NSI0489-02	30.54	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0489-03	30.76	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0489-04	30.16	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0489-05	30.32	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0489-06	30.94	1.00	09/09/09 12:45	TEM	EPA 3550B
SW846 8270D	9091057	NSI0489-07	30.81	1.00	09/09/09 12:45	TEM	EPA 3550B
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9090291	NSI0489-01	4.82	5.00	08/31/09 09:15	CHH	EPA 5035
SW846 8260B	9090291	NSI0489-02	4.86	5.00	08/31/09 11:00	CHH	EPA 5035
SW846 8260B	9091668	NSI0489-02RE1	4.87	5.00	08/31/09 11:00	CHH	EPA 5035
SW846 8260B	9091735	NSI0489-02RE2	4.68	5.00	08/31/09 11:00	CHH	EPA 5035
SW846 8260B	9090291	NSI0489-03	4.77	5.00	08/31/09 14:10	CHH	EPA 5035
SW846 8260B	9090291	NSI0489-04	4.55	5.00	09/01/09 09:15	CHH	EPA 5035
SW846 8260B	9090291	NSI0489-05	4.51	5.00	09/01/09 09:25	CHH	EPA 5035
SW846 8260B	9090291	NSI0489-06	4.58	5.00	09/01/09 13:45	CHH	EPA 5035
SW846 8260B	9090291	NSI0489-07	4.20	5.00	09/01/09 15:15	CHH	EPA 5035

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

Work Order: NSI0489
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

9090291-BLK1

Benzene	<0.000670		mg/kg wet	9090291	9090291-BLK1	09/11/09 01:11
Ethylbenzene	<0.000670		mg/kg wet	9090291	9090291-BLK1	09/11/09 01:11
Naphthalene	<0.00170		mg/kg wet	9090291	9090291-BLK1	09/11/09 01:11
Toluene	<0.000400		mg/kg wet	9090291	9090291-BLK1	09/11/09 01:11
Xylenes, total	<0.00130		mg/kg wet	9090291	9090291-BLK1	09/11/09 01:11
Surrogate: 1,2-Dichloroethane-d4	100%			9090291	9090291-BLK1	09/11/09 01:11
Surrogate: Dibromofluoromethane	101%			9090291	9090291-BLK1	09/11/09 01:11
Surrogate: Toluene-d8	102%			9090291	9090291-BLK1	09/11/09 01:11
Surrogate: 4-Bromofluorobenzene	100%			9090291	9090291-BLK1	09/11/09 01:11

9091668-BLK1

Benzene	<0.000670		mg/kg wet	9091668	9091668-BLK1	09/11/09 15:05
Ethylbenzene	<0.000670		mg/kg wet	9091668	9091668-BLK1	09/11/09 15:05
Naphthalene	<0.00170		mg/kg wet	9091668	9091668-BLK1	09/11/09 15:05
Toluene	0.000470	B	mg/kg wet	9091668	9091668-BLK1	09/11/09 15:05
Xylenes, total	<0.00130		mg/kg wet	9091668	9091668-BLK1	09/11/09 15:05
Surrogate: 1,2-Dichloroethane-d4	101%			9091668	9091668-BLK1	09/11/09 15:05
Surrogate: Dibromofluoromethane	95%			9091668	9091668-BLK1	09/11/09 15:05
Surrogate: Toluene-d8	101%			9091668	9091668-BLK1	09/11/09 15:05
Surrogate: 4-Bromofluorobenzene	103%			9091668	9091668-BLK1	09/11/09 15:05

9091735-BLK1

Benzene	<0.0335		mg/kg wet	9091735	9091735-BLK1	09/11/09 10:50
Ethylbenzene	<0.0335		mg/kg wet	9091735	9091735-BLK1	09/11/09 10:50
Naphthalene	0.155	B	mg/kg wet	9091735	9091735-BLK1	09/11/09 10:50
Toluene	<0.0200		mg/kg wet	9091735	9091735-BLK1	09/11/09 10:50
Xylenes, total	<0.0650		mg/kg wet	9091735	9091735-BLK1	09/11/09 10:50
Surrogate: 1,2-Dichloroethane-d4	102%			9091735	9091735-BLK1	09/11/09 10:50
Surrogate: Dibromofluoromethane	105%			9091735	9091735-BLK1	09/11/09 10:50
Surrogate: Toluene-d8	100%			9091735	9091735-BLK1	09/11/09 10:50
Surrogate: 4-Bromofluorobenzene	104%			9091735	9091735-BLK1	09/11/09 10:50

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

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

Work Order: NSI0489
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 09/04/09 08:10

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D						
9091057-BLK1						
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
9091342-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Acenaphthylene	<0.0310		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Anthracene	<0.0330		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Benzo (a) anthracene	<0.0380		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Benzo (a) pyrene	<0.0300		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Chrysene	<0.0400		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Fluoranthene	<0.0340		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Fluorene	<0.0360		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Naphthalene	<0.0410		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Phenanthrene	<0.0340		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Pyrene	<0.0410		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
1-Methylnaphthalene	<0.0320		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
2-Methylnaphthalene	<0.0330		mg/kg wet	9091342	9091342-BLK1	09/11/09 22:13
Surrogate: Terphenyl-d14	87%			9091342	9091342-BLK1	09/11/09 22:13
Surrogate: 2-Fluorobiphenyl	71%			9091342	9091342-BLK1	09/11/09 22:13
Surrogate: Nitrobenzene-d5	70%			9091342	9091342-BLK1	09/11/09 22:13

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

Work Order: NSI0489
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
General Chemistry Parameters										
9092092-DUP1										
% Dry Solids	84.7	88.8		%	5	20	9092092	NSI0474-07		09/17/09 10:18

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

Work Order: NSI0489
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
Selected Volatile Organic Compounds by EPA Method 8260B								
9090291-BS1								
Benzene	50.0	48.7		ug/kg	97%	78 - 126	9090291	09/10/09 23:14
Ethylbenzene	50.0	45.7		ug/kg	91%	79 - 130	9090291	09/10/09 23:14
Naphthalene	50.0	46.7		ug/kg	93%	72 - 150	9090291	09/10/09 23:14
Toluene	50.0	45.7		ug/kg	91%	76 - 126	9090291	09/10/09 23:14
Xylenes, total	150	141		ug/kg	94%	80 - 130	9090291	09/10/09 23:14
Surrogate: 1,2-Dichloroethane-d4	50.0	50.5			101%	67 - 138	9090291	09/10/09 23:14
Surrogate: Dibromofluoromethane	50.0	51.7			103%	75 - 125	9090291	09/10/09 23:14
Surrogate: Toluene-d8	50.0	50.8			102%	76 - 129	9090291	09/10/09 23:14
Surrogate: 4-Bromofluorobenzene	50.0	47.7			95%	67 - 147	9090291	09/10/09 23:14
9091668-BS1								
Benzene	50.0	49.1		ug/kg	98%	78 - 126	9091668	09/11/09 13:05
Ethylbenzene	50.0	49.9		ug/kg	100%	79 - 130	9091668	09/11/09 13:05
Naphthalene	50.0	45.4		ug/kg	91%	72 - 150	9091668	09/11/09 13:05
Toluene	50.0	49.4		ug/kg	99%	76 - 126	9091668	09/11/09 13:05
Xylenes, total	150	147		ug/kg	98%	80 - 130	9091668	09/11/09 13:05
Surrogate: 1,2-Dichloroethane-d4	50.0	48.4			97%	67 - 138	9091668	09/11/09 13:05
Surrogate: Dibromofluoromethane	50.0	48.6			97%	75 - 125	9091668	09/11/09 13:05
Surrogate: Toluene-d8	50.0	51.7			103%	76 - 129	9091668	09/11/09 13:05
Surrogate: 4-Bromofluorobenzene	50.0	50.3			101%	67 - 147	9091668	09/11/09 13:05
9091735-BS1								
Benzene	50.0	50.8	MNR1	ug/kg	102%	78 - 126	9091735	09/11/09 08:33
Ethylbenzene	50.0	52.4	MNR1	ug/kg	105%	79 - 130	9091735	09/11/09 08:33
Naphthalene	50.0	53.7	MNR1	ug/kg	107%	72 - 150	9091735	09/11/09 08:33
Toluene	50.0	50.5	MNR1	ug/kg	101%	76 - 126	9091735	09/11/09 08:33
Xylenes, total	150	156	MNR1	ug/kg	104%	80 - 130	9091735	09/11/09 08:33
Surrogate: 1,2-Dichloroethane-d4	25.0	21.9			88%	67 - 138	9091735	09/11/09 08:33
Surrogate: Dibromofluoromethane	25.0	24.7			99%	75 - 125	9091735	09/11/09 08:33
Surrogate: Toluene-d8	25.0	25.0			100%	76 - 129	9091735	09/11/09 08:33
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	67 - 147	9091735	09/11/09 08:33
Polyaromatic Hydrocarbons by EPA 8270D								
9091057-BS1								
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

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

Work Order: NSI0489
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 09/04/09 08:10

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D								
9091057-BS1								
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
9091342-BS1								
Acenaphthene	1.67	1.25		mg/kg wet	75%	49 - 120	9091342	09/11/09 22:42
Acenaphthylene	1.67	1.22		mg/kg wet	73%	52 - 120	9091342	09/11/09 22:42
Anthracene	1.67	1.41		mg/kg wet	85%	58 - 120	9091342	09/11/09 22:42
Benzo (a) anthracene	1.67	1.42		mg/kg wet	85%	57 - 120	9091342	09/11/09 22:42
Benzo (a) pyrene	1.67	1.47		mg/kg wet	88%	55 - 120	9091342	09/11/09 22:42
Benzo (b) fluoranthene	1.67	1.48		mg/kg wet	89%	51 - 123	9091342	09/11/09 22:42
Benzo (g,h,i) perylene	1.67	1.03		mg/kg wet	62%	49 - 121	9091342	09/11/09 22:42
Benzo (k) fluoranthene	1.67	1.45		mg/kg wet	87%	42 - 129	9091342	09/11/09 22:42
Chrysene	1.67	1.39		mg/kg wet	83%	55 - 120	9091342	09/11/09 22:42
Dibenz (a,h) anthracene	1.67	1.12		mg/kg wet	67%	50 - 123	9091342	09/11/09 22:42
Fluoranthene	1.67	1.31		mg/kg wet	79%	58 - 120	9091342	09/11/09 22:42
Fluorene	1.67	1.51		mg/kg wet	91%	54 - 120	9091342	09/11/09 22:42
Indeno (1,2,3-cd) pyrene	1.67	1.12		mg/kg wet	67%	50 - 122	9091342	09/11/09 22:42
Naphthalene	1.67	1.15		mg/kg wet	69%	28 - 120	9091342	09/11/09 22:42
Phenanthrene	1.67	1.24		mg/kg wet	75%	56 - 120	9091342	09/11/09 22:42
Pyrene	1.67	1.43		mg/kg wet	86%	56 - 120	9091342	09/11/09 22:42
1-Methylnaphthalene	1.67	1.11		mg/kg wet	66%	36 - 120	9091342	09/11/09 22:42
2-Methylnaphthalene	1.67	1.15		mg/kg wet	69%	36 - 120	9091342	09/11/09 22:42
Surrogate: Terphenyl-d14	1.67	1.46			87%	18 - 120	9091342	09/11/09 22:42
Surrogate: 2-Fluorobiphenyl	1.67	1.19			71%	14 - 120	9091342	09/11/09 22:42
Surrogate: Nitrobenzene-d5	1.67	1.18			71%	17 - 120	9091342	09/11/09 22:42

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

Work Order: NSI0489
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
Selected Volatile Organic Compounds by EPA Method 8260B												
9090291-BSD1												
Benzene		57.1		ug/kg	50.0	114%	78 - 126	16	50	9090291		09/10/09 23:43
Ethylbenzene		54.4		ug/kg	50.0	109%	79 - 130	17	50	9090291		09/10/09 23:43
Naphthalene		54.8		ug/kg	50.0	110%	72 - 150	16	50	9090291		09/10/09 23:43
Toluene		53.9		ug/kg	50.0	108%	76 - 126	16	50	9090291		09/10/09 23:43
Xylenes, total		171		ug/kg	150	114%	80 - 130	19	50	9090291		09/10/09 23:43
Surrogate: 1,2-Dichloroethane-d4		48.6		ug/kg	50.0	97%	67 - 138			9090291		09/10/09 23:43
Surrogate: Dibromofluoromethane		51.6		ug/kg	50.0	103%	75 - 125			9090291		09/10/09 23:43
Surrogate: Toluene-d8		50.8		ug/kg	50.0	102%	76 - 129			9090291		09/10/09 23:43
Surrogate: 4-Bromofluorobenzene		47.5		ug/kg	50.0	95%	67 - 147			9090291		09/10/09 23:43
9091668-BSD1												
Benzene		50.3		ug/kg	50.0	101%	78 - 126	2	50	9091668		09/11/09 13:35
Ethylbenzene		53.6		ug/kg	50.0	107%	79 - 130	7	50	9091668		09/11/09 13:35
Naphthalene		49.1		ug/kg	50.0	98%	72 - 150	8	50	9091668		09/11/09 13:35
Toluene		53.2		ug/kg	50.0	106%	76 - 126	7	50	9091668		09/11/09 13:35
Xylenes, total		159		ug/kg	150	106%	80 - 130	8	50	9091668		09/11/09 13:35
Surrogate: 1,2-Dichloroethane-d4		47.8		ug/kg	50.0	96%	67 - 138			9091668		09/11/09 13:35
Surrogate: Dibromofluoromethane		48.0		ug/kg	50.0	96%	75 - 125			9091668		09/11/09 13:35
Surrogate: Toluene-d8		51.7		ug/kg	50.0	103%	76 - 129			9091668		09/11/09 13:35
Surrogate: 4-Bromofluorobenzene		50.4		ug/kg	50.0	101%	67 - 147			9091668		09/11/09 13:35
9091735-BSD1												
Benzene		48.3		ug/kg	50.0	97%	78 - 126	5	50	9091735		09/11/09 09:00
Ethylbenzene		49.9		ug/kg	50.0	100%	79 - 130	5	50	9091735		09/11/09 09:00
Naphthalene		56.8		ug/kg	50.0	114%	72 - 150	6	50	9091735		09/11/09 09:00
Toluene		48.8		ug/kg	50.0	98%	76 - 126	4	50	9091735		09/11/09 09:00
Xylenes, total		149		ug/kg	150	99%	80 - 130	4	50	9091735		09/11/09 09:00
Surrogate: 1,2-Dichloroethane-d4		20.7		ug/kg	25.0	83%	67 - 138			9091735		09/11/09 09:00
Surrogate: Dibromofluoromethane		24.1		ug/kg	25.0	97%	75 - 125			9091735		09/11/09 09:00
Surrogate: Toluene-d8		25.2		ug/kg	25.0	101%	76 - 129			9091735		09/11/09 09:00
Surrogate: 4-Bromofluorobenzene		24.5		ug/kg	25.0	98%	67 - 147			9091735		09/11/09 09:00

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

Work Order: NSI0489
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
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Selected Volatile Organic Compounds by EPA Method 8260B

9090291-MS1

Benzene	ND	0.0364		mg/kg wet	0.0500	73%	42 - 141	9090291	NSI0142-04	09/11/09 07:03
Ethylbenzene	ND	0.0316		mg/kg wet	0.0500	63%	21 - 165	9090291	NSI0142-04	09/11/09 07:03
Naphthalene	ND	0.00514		mg/kg wet	0.0500	10%	10 - 160	9090291	NSI0142-04	09/11/09 07:03
Toluene	0.000507	0.0348		mg/kg wet	0.0500	69%	45 - 145	9090291	NSI0142-04	09/11/09 07:03
Xylenes, total	0.00143	0.0930		mg/kg wet	0.150	61%	31 - 159	9090291	NSI0142-04	09/11/09 07:03
Surrogate: 1,2-Dichloroethane-d4		47.2		ug/kg	50.0	94%	67 - 138	9090291	NSI0142-04	09/11/09 07:03
Surrogate: Dibromofluoromethane		49.7		ug/kg	50.0	99%	75 - 125	9090291	NSI0142-04	09/11/09 07:03
Surrogate: Toluene-d8		52.0		ug/kg	50.0	104%	76 - 129	9090291	NSI0142-04	09/11/09 07:03
Surrogate: 4-Bromofluorobenzene		53.3		ug/kg	50.0	107%	67 - 147	9090291	NSI0142-04	09/11/09 07:03

9091668-MS1

Benzene	ND	0.0439		mg/kg wet	0.0496	88%	42 - 141	9091668	NSI0396-05	09/11/09 22:05
Ethylbenzene	ND	0.0404		mg/kg wet	0.0496	82%	21 - 165	9091668	NSI0396-05	09/11/09 22:05
Naphthalene	ND	0.0168		mg/kg wet	0.0496	34%	10 - 160	9091668	NSI0396-05	09/11/09 22:05
Toluene	0.000613	0.0428		mg/kg wet	0.0496	85%	45 - 145	9091668	NSI0396-05	09/11/09 22:05
Xylenes, total	ND	0.118		mg/kg wet	0.149	79%	31 - 159	9091668	NSI0396-05	09/11/09 22:05
Surrogate: 1,2-Dichloroethane-d4		50.1		ug/kg	50.0	100%	67 - 138	9091668	NSI0396-05	09/11/09 22:05
Surrogate: Dibromofluoromethane		50.2		ug/kg	50.0	100%	75 - 125	9091668	NSI0396-05	09/11/09 22:05
Surrogate: Toluene-d8		51.2		ug/kg	50.0	102%	76 - 129	9091668	NSI0396-05	09/11/09 22:05
Surrogate: 4-Bromofluorobenzene		49.9		ug/kg	50.0	100%	67 - 147	9091668	NSI0396-05	09/11/09 22:05

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

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

Work Order: NSI0489
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 09/04/09 08:10

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D										
9091057-MS1										
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
9091342-MS1										
Acenaphthene	ND	1.22		mg/kg dry	1.79	68%	42 - 120	9091342	NSI0489-01	09/11/09 23:12
Acenaphthylene	ND	1.19		mg/kg dry	1.79	67%	32 - 120	9091342	NSI0489-01	09/11/09 23:12
Anthracene	ND	1.34		mg/kg dry	1.79	75%	10 - 200	9091342	NSI0489-01	09/11/09 23:12
Benzo (a) anthracene	ND	1.34		mg/kg dry	1.79	75%	41 - 120	9091342	NSI0489-01	09/11/09 23:12
Benzo (a) pyrene	ND	1.39		mg/kg dry	1.79	78%	33 - 121	9091342	NSI0489-01	09/11/09 23:12
Benzo (b) fluoranthene	ND	1.44		mg/kg dry	1.79	80%	26 - 137	9091342	NSI0489-01	09/11/09 23:12
Benzo (g,h,i) perylene	ND	1.05		mg/kg dry	1.79	58%	21 - 124	9091342	NSI0489-01	09/11/09 23:12
Benzo (k) fluoranthene	ND	1.38		mg/kg dry	1.79	77%	14 - 140	9091342	NSI0489-01	09/11/09 23:12
Chrysene	ND	1.31		mg/kg dry	1.79	73%	28 - 123	9091342	NSI0489-01	09/11/09 23:12
Dibenz (a,h) anthracene	ND	1.09		mg/kg dry	1.79	61%	25 - 127	9091342	NSI0489-01	09/11/09 23:12
Fluoranthene	ND	1.27		mg/kg dry	1.79	71%	38 - 120	9091342	NSI0489-01	09/11/09 23:12
Fluorene	ND	1.40		mg/kg dry	1.79	78%	41 - 120	9091342	NSI0489-01	09/11/09 23:12
Indeno (1,2,3-cd) pyrene	ND	1.10		mg/kg dry	1.79	61%	25 - 123	9091342	NSI0489-01	09/11/09 23:12
Naphthalene	ND	1.16		mg/kg dry	1.79	65%	25 - 120	9091342	NSI0489-01	09/11/09 23:12
Phenanthrene	ND	1.22		mg/kg dry	1.79	68%	37 - 120	9091342	NSI0489-01	09/11/09 23:12
Pyrene	ND	1.36		mg/kg dry	1.79	76%	29 - 125	9091342	NSI0489-01	09/11/09 23:12
1-Methylnaphthalene	ND	1.14		mg/kg dry	1.79	64%	19 - 120	9091342	NSI0489-01	09/11/09 23:12
2-Methylnaphthalene	ND	1.15		mg/kg dry	1.79	64%	11 - 120	9091342	NSI0489-01	09/11/09 23:12
Surrogate: Terphenyl-d14		1.33		mg/kg dry	1.79	74%	18 - 120	9091342	NSI0489-01	09/11/09 23:12
Surrogate: 2-Fluorobiphenyl		1.00		mg/kg dry	1.79	56%	14 - 120	9091342	NSI0489-01	09/11/09 23:12
Surrogate: Nitrobenzene-d5		1.02		mg/kg dry	1.79	57%	17 - 120	9091342	NSI0489-01	09/11/09 23:12

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

Work Order: NSI0489
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
Selected Volatile Organic Compounds by EPA Method 8260B												
9090291-MSD1												
Benzene	ND	0.0310		mg/kg wet	0.0500	62%	42 - 141	16	50	9090291	NSI0142-04	09/11/09 07:33
Ethylbenzene	ND	0.0272		mg/kg wet	0.0500	54%	21 - 165	15	50	9090291	NSI0142-04	09/11/09 07:33
Naphthalene	ND	0.00513		mg/kg wet	0.0500	10%	10 - 160	0.2	50	9090291	NSI0142-04	09/11/09 07:33
Toluene	0.000507	0.0294		mg/kg wet	0.0500	58%	45 - 145	17	50	9090291	NSI0142-04	09/11/09 07:33
Xylenes, total	0.00143	0.0796		mg/kg wet	0.150	52%	31 - 159	16	50	9090291	NSI0142-04	09/11/09 07:33
Surrogate: 1,2-Dichloroethane-d4		46.3		ug/kg	50.0	93%	67 - 138			9090291	NSI0142-04	09/11/09 07:33
Surrogate: Dibromofluoromethane		47.5		ug/kg	50.0	95%	75 - 125			9090291	NSI0142-04	09/11/09 07:33
Surrogate: Toluene-d8		52.4		ug/kg	50.0	105%	76 - 129			9090291	NSI0142-04	09/11/09 07:33
Surrogate: 4-Bromofluorobenzene		52.0		ug/kg	50.0	104%	67 - 147			9090291	NSI0142-04	09/11/09 07:33
9091668-MSD1												
Benzene	ND	0.0384		mg/kg wet	0.0471	82%	42 - 141	13	50	9091668	NSI0396-05	09/11/09 22:35
Ethylbenzene	ND	0.0360		mg/kg wet	0.0471	77%	21 - 165	12	50	9091668	NSI0396-05	09/11/09 22:35
Naphthalene	ND	0.0153		mg/kg wet	0.0471	33%	10 - 160	9	50	9091668	NSI0396-05	09/11/09 22:35
Toluene	0.000613	0.0374		mg/kg wet	0.0471	78%	45 - 145	14	50	9091668	NSI0396-05	09/11/09 22:35
Xylenes, total	ND	0.105		mg/kg wet	0.141	74%	31 - 159	12	50	9091668	NSI0396-05	09/11/09 22:35
Surrogate: 1,2-Dichloroethane-d4		51.4		ug/kg	50.0	103%	67 - 138			9091668	NSI0396-05	09/11/09 22:35
Surrogate: Dibromofluoromethane		52.5		ug/kg	50.0	105%	75 - 125			9091668	NSI0396-05	09/11/09 22:35
Surrogate: Toluene-d8		50.7		ug/kg	50.0	101%	76 - 129			9091668	NSI0396-05	09/11/09 22:35
Surrogate: 4-Bromofluorobenzene		49.0		ug/kg	50.0	98%	67 - 147			9091668	NSI0396-05	09/11/09 22:35
Polyaromatic Hydrocarbons by EPA 8270D												
9091057-MSD1												
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

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

Work Order: NSI0489
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 09/04/09 08:10

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D												
9091057-MSD1												
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
9091342-MSD1												
Acenaphthene	ND	1.25		mg/kg dry	1.78	70%	42 - 120	3	40	9091342	NSI0489-01	09/11/09 23:42
Acenaphthylene	ND	1.25		mg/kg dry	1.78	70%	32 - 120	4	30	9091342	NSI0489-01	09/11/09 23:42
Anthracene	ND	1.41		mg/kg dry	1.78	79%	10 - 200	5	50	9091342	NSI0489-01	09/11/09 23:42
Benzo (a) anthracene	ND	1.38		mg/kg dry	1.78	78%	41 - 120	3	30	9091342	NSI0489-01	09/11/09 23:42
Benzo (a) pyrene	ND	1.41		mg/kg dry	1.78	79%	33 - 121	1	33	9091342	NSI0489-01	09/11/09 23:42
Benzo (b) fluoranthene	ND	1.39		mg/kg dry	1.78	78%	26 - 137	3	42	9091342	NSI0489-01	09/11/09 23:42
Benzo (g,h,i) perylene	ND	1.07		mg/kg dry	1.78	60%	21 - 124	2	32	9091342	NSI0489-01	09/11/09 23:42
Benzo (k) fluoranthene	ND	1.43		mg/kg dry	1.78	81%	14 - 140	4	39	9091342	NSI0489-01	09/11/09 23:42
Chrysene	ND	1.35		mg/kg dry	1.78	76%	28 - 123	3	34	9091342	NSI0489-01	09/11/09 23:42
Dibenz (a,h) anthracene	ND	1.11		mg/kg dry	1.78	63%	25 - 127	2	31	9091342	NSI0489-01	09/11/09 23:42
Fluoranthene	ND	1.32		mg/kg dry	1.78	74%	38 - 120	4	35	9091342	NSI0489-01	09/11/09 23:42
Fluorene	ND	1.48		mg/kg dry	1.78	83%	41 - 120	5	37	9091342	NSI0489-01	09/11/09 23:42
Indeno (1,2,3-cd) pyrene	ND	1.13		mg/kg dry	1.78	63%	25 - 123	2	32	9091342	NSI0489-01	09/11/09 23:42
Naphthalene	ND	1.21		mg/kg dry	1.78	68%	25 - 120	5	42	9091342	NSI0489-01	09/11/09 23:42
Phenanthrene	ND	1.24		mg/kg dry	1.78	70%	37 - 120	1	32	9091342	NSI0489-01	09/11/09 23:42
Pyrene	ND	1.39		mg/kg dry	1.78	78%	29 - 125	2	40	9091342	NSI0489-01	09/11/09 23:42
1-Methylnaphthalene	ND	1.16		mg/kg dry	1.78	65%	19 - 120	2	45	9091342	NSI0489-01	09/11/09 23:42
2-Methylnaphthalene	ND	1.19		mg/kg dry	1.78	67%	11 - 120	4	50	9091342	NSI0489-01	09/11/09 23:42
Surrogate: Terphenyl-d14		1.33		mg/kg dry	1.78	75%	18 - 120			9091342	NSI0489-01	09/11/09 23:42
Surrogate: 2-Fluorobiphenyl		0.978		mg/kg dry	1.78	55%	14 - 120			9091342	NSI0489-01	09/11/09 23:42
Surrogate: Nitrobenzene-d5		1.01		mg/kg dry	1.78	57%	17 - 120			9091342	NSI0489-01	09/11/09 23:42

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

Work Order: NSI0489
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: NSI0489
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 09/04/09 08:10

DATA QUALIFIERS AND DEFINITIONS

B Analyte was detected in the associated Method Blank.
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.
MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
ZX Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

NS10489
09/21/09 23:59

TestAmerica

Nashville Division
2060 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) Prath Shaw

Sampler Signature: *Prath Shaw*

Site State: SC

PO#: 0829

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							Matrix							Analyze For:										RUSH TAT (Pre-Schedule)
							Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	BTEX + Napth - 82608	PAH - 8270D									
1246 Dour	8/31/09	0915	5	X				2					2						X		W	W	1								
1247 Dour	8/31/09	1100	5	X				2					2						X		W	W	2								
1249 Dour	8/31/09	1410	5	X				2					2						X		W	W	3								
1251 Dour	9/1/09	0915	5	X				2					2						X		W	W	4								
1250 Dour	9/1/09	0935	5	X				2					2						X		W	W	5								
1253 Dour	9/1/09	1345	5	X				2					2						X		W	W	6								
1252 Dour	9/1/09	1515	5	X				2					2						X		3	2	7								

Special Instructions:

Laboratory Comments:

Temperature upon Receipt: 4.4
VOCs Free of Headspace? Y

Method of Shipment:						FEDEX	
Relinquished by:	Date	Time	Received by:	Date	Time		
<i>Prath Shaw</i>	9/3/09	1400	FeDEX				
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time		
			<i>[Signature]</i>	9/4/09	810		



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 MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904						A. Manifest Number WMNA 10835418	
4. Generator's Phone 843 228-6460						B. State Generator's ID	
5. Transporter 1 Company Name EEG, Inc.			6. US EPA ID Number			C. State Transporter's ID	
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 843 878-0411	
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29936			10. US EPA ID Number			E. State Transporter's ID	
						F. Transporter's Phone	
						G. State Facility's ID	
						H. Facility's Phone 843 987-4643	
11. Description of Waste Materials				12. Containers No. Type		13. Total Quantity	
a. Heating Oil Tank Filled with Sand				0 0 1		8.97	
WM Profile # 102655SC						TV	
b. WM Profile #							
c. WM Profile #							
d. 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 GERAST's from 1237 Door 1244 Door 1243 Door 1246 Door 1249 Door						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 W.G. Duke				Signature "On behalf of" [Signature]			
				Month Day Year 09 10 09			
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name [Signature]				Signature [Signature]			
				Month Day Year 09 10 09			
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name James Baldwin				Signature James Baldwin			
				Month Day Year 09 10 09			
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 Jan Collins				Signature [Signature]			
				Month Day Year 09 10 09			

Appendix C
Laboratory Analytical Report - Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC11009-006
Description: BEALB1247TW01WG20170309	Matrix: Aqueous
Date Sampled: 03/09/2017 1150	
Date Received: 03/11/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/15/2017 1340	PMV		37143

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	85-114
Dibromofluoromethane		91	80-119
1,2-Dichloroethane-d4		101	81-118
Toluene-d8		92	89-112

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

Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC11009-006
Description: BEALB1247TW01WG20170309	Matrix: Aqueous
Date Sampled: 03/09/2017 1150	
Date Received: 03/11/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/17/2017 2230	RBH	03/15/2017 1020	37108

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		53	44-120
2-Fluorobiphenyl		49	44-119
Terphenyl-d14		68	50-134

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

Appendix D

Regulatory Correspondence



August 24, 2016

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

RE: IGWA
Laurel Bay Underground Tank Assessment Reports

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (the Department) received the Underground Storage Tanks (USTs) Assessment Reports for the addresses listed in the attachment. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

The Department has reviewed the referenced reports. The submitted analytical results indicate that petroleum constituents are above established Risk-Based Screening Levels and additional investigation is warranted. Specifically, the Department requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at these sites.

Please note that the Department's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, the Department retains the right to request further investigation if deemed necessary.

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus, Environmental Engineer Associate
RCRA Federal Facilities Section

Cc: Russell Berry, EQC Region 8 (via email)
Shawn Dolan, Resolution Consultants (via email)
Bryan Beck, NAVFAC MIDATLANTIC (via email)
Craig Ehde (via email)

Attachment to: Petrus to Drawdy, August 24, 2016

Subject: IGWA, Laurel Bay Underground Tank Assessment Reports

Draft Final Initial Groundwater Investigation Report for (41 addresses)

Monitoring Well Investigation Recommendation	
122 Banyan	905 Barracuda
159 Cypress Tank 2	921 Barracuda
221 Cypress	935 Albacore
283 Birch Tank 2	946 Albacore
328 Ash Tank 2	1037 Iris
346 Ash	1039 Iris
359 Aspen	1110 Iris
370 Aspen	1134 Iris
377 Aspen	1143 Iris
409 Elderberry	1202 Cardinal
486 Laurel Bay	1212 Cardinal
515 Laurel Bay	1222 Cardinal
542 Laurel Bay	1224 Cardinal
593 Aster	1226 Dove
630 Dahlia	1236 Dove
693 Camellia	1245 Dove
723 Blue Bell	1247 Dove
774 Althea	1274 Albatross
860 Dolphin	1319 Albatross
873 Cobia	1337 Albatross
883 Cobia	



July 27, 2017

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

RE: Draft Final Initial Groundwater Investigation Report, February and March 2017

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received groundwater data from temporary monitoring well installations in the Draft Final Groundwater Investigation Report, Laurel Bay Military Housing Area for the fifty two (52) addresses shown in the attachment. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per DHEC's request, groundwater samples were collected from the attached referenced addresses. DHEC reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent groundwater monitoring wells should be installed at the three (3) stated addresses. For the remaining forty nine (49) addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

Please note that DHEC's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, DHEC retains the right to request further investigation if deemed necessary.

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

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

Cc: Russell Berry, EQC Region 8
Shawn Dolan, Resolution Consultants
Bryan Beck, NAVFAC MIDLANT

Attachment to: Petrus to Drawdy Dated July 27, 2017

Draft Final Initial Groundwater Investigation Report for (52 addresses)

Permanent Well Installation recommendation (3 Addresses):

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

No Further Action recommendation (49 addresses):

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