

**SUMMARY REPORT
455 ELDERBERRY DRIVE (FORMERLY 446 ELDERBERRY DRIVE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC**

**Revision: 0
Prepared for:**

**Department of the Navy
Naval Facilities Engineering Command, Mid-Atlantic
9324 Virginia Avenue
Norfolk, Virginia 23511-3095**

and



**Naval Facilities Engineering Command Atlantic
9324 Virginia Avenue
Norfolk, Virginia 23511-3095**

JUNE 2021

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Prepared by:



CDM - AECOM Multimedia Joint Venture
10560 Arrowhead Drive, Suite 500
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Contract Number: N62470-14-D-9016
CTO WE52
JUNE 2021

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List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 455 Elderberry Drive (Formerly 446 Elderberry Drive). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

- Background information;
- Sampling activities and results; and
- A determination of the property status.

1.1 Background Information

The LBMH area is located approximately 3.5 miles west of MCAS Beaufort. The area is approximately 970 acres in size and serves as an enlisted and officer family housing area. The area is configured with single family and duplex residential structures, and includes recreation, open space, and community facilities. The community includes approximately 1,300 housing units, including legacy Capehart style homes and newer duplex style homes. The housing area

is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.

Capehart style homes within the LBMH area were formerly heated using heating oil stored in USTs at each residence. There were 1,100 Capehart style housing units in the LBMH area. The newer duplex homes within the LBMH area never utilized heating oil tanks. Heating oil has not been used at Laurel Bay since the mid-1980s. As was the accepted practice at the time, USTs were drained, filled with dirt, capped, and left in place when they were removed from service. Residential USTs are not regulated in the State of South Carolina (i.e., there are no federal or state laws governing installation, management, or removal).

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

1.2 UST Removal and Assessment Process

During the UST removal process, a soil sample was collected from beneath the UST excavations (approximately 4 to 6 feet [ft] below ground surface [bgs]) and analyzed for a predetermined list of constituents of potential concern (COPCs) associated with the petroleum compounds found in home heating oil. These COPCs, derived from the *Quality Assurance Program Plan (QAPP) for the Underground Storage Tank Management Division, Revision 3.1* (SCDHEC, 2016) and the *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, (SCDHEC, 2018), are as follows:

- benzene, toluene, ethylbenzene, and xylenes (BTEX),
- naphthalene, and
- five select polynuclear aromatic hydrocarbon (PAHs): benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenz(a,h)anthracene.

Soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form. In accordance with SCDHEC's *QAPP for the UST Management*

Division (SCDHEC, 2016), the soil screening levels consists of SCDHEC risk-based screening levels (RBSLs). It should be noted that the RBSLs for select PAHs were revised in Revision 2.0 of the QAPP (SCDHEC, 2013) and were revised again in Revision 3.0 (SCDHEC, 2015). The screening levels used for evaluation at each site were those levels that were in effect at the time of reporting and review by SCDHEC.

The results of the soil sampling at each former UST location were used to determine if a potential for groundwater contamination exists (i.e., soil results greater than RBSLs) and subsequently to select properties for follow-up initial groundwater assessment (IGWA) sampling. The results of the IGWA sampling (if necessary) are used to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations will require additional delineation of COPCs in groundwater. In order to delineate the extent of impact to groundwater, permanent wells are installed and a sampling program is established for those former UST locations where IGWA sampling has indicated the presence of COPCs in excess of the SCDHEC RBSLs for groundwater. Groundwater analytical results are also compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion and the necessity for an investigation associated with this media. A multi-media investigation selection process tree, applicable to the LBMH UST investigations, is presented as Appendix A.

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 455 Elderberry Drive (Formerly 446 Elderberry Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 446 Elderberry Drive* (MCAS Beaufort, 2010). 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 – May and June 2015* (Resolution Consultants, 2015). 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 October 22, 2009, a single 280 gallon heating oil UST was removed from the front landscaped bed area adjacent to the front concrete porch at 455 Elderberry Drive (Formerly 446 Elderberry Drive). 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 5'9" 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 455 Elderberry Drive (Formerly 446 Elderberry Drive) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated May 15, 2014, SCDHEC requested an IGWA for 455 Elderberry Drive (Formerly 446 Elderberry Drive) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On June 4, 2015, a temporary monitoring well was installed at 455 Elderberry Drive (Formerly 446 Elderberry Drive), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. 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 – May and June 2015* (Resolution Consultants, 2015).

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 – May and June 2015* (Resolution Consultants, 2015).

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 455 Elderberry Drive (Formerly 446 Elderberry Drive) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former 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 455 Elderberry Drive (Formerly 446 Elderberry Drive). This NFA determination was obtained in a letter dated February 22, 2016. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2010. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 446 Elderberry Drive, Laurel Bay Military Housing Area*, February 2010.

Resolution Consultants, 2015. *Initial Groundwater Investigation Report – May and June 2015 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, October 2015.

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
455 Elderberry Drive (Formerly 446 Elderberry Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 10/22/09
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	1.01
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	6.67
Benzo(b)fluoranthene	0.66	4.25
Benzo(k)fluoranthene	0.66	2.81
Chrysene	0.66	6.82
Dibenz(a,h)anthracene	0.66	0.547

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 2.0 (SCDHEC, April 2013).

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
455 Elderberry Drive (Formerly 446 Elderberry Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 06/04/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	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.

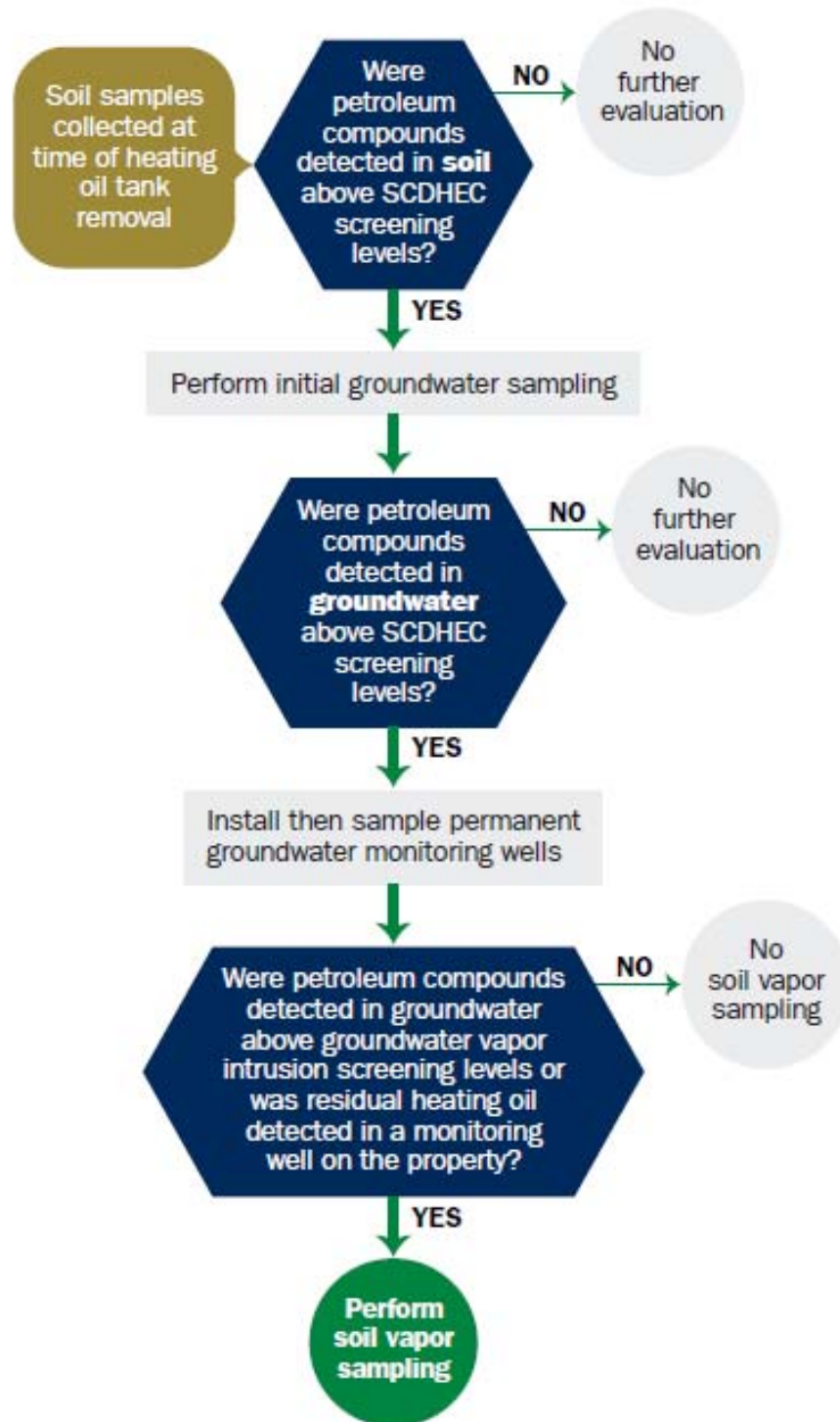
RBSL - Risk-Based Screening Level

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



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

I. OWNERSHIP OF UST (S)

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

II. SITE IDENTIFICATION AND LOCATION

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

III. INSURANCE INFORMATION

Insurance Statement

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

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? YES____ NO____ (check one)

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

My policy provider is: _____

The policy deductible is: _____

The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

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

VI. UST INFORMATION

A. Product...(ex. Gas, Kerosene).....

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

C. Age.....

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

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

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

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

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

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

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

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

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

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

UST 446Elderberry was removed from the ground, cleaned, and recycled.
See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)

Waste water was pumped from UST 446Elderberry and disposed of
by MCAS.

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

Corrosion, pitting and holes were found throughout the tank.

446 Elderberry				
Heating oil				
280 gal				
Late 1950s				
Steel				
Unknown				
5'9"				
No				
No				
Removed				
10/22/09				
Yes				
Yes				

VII. PIPING INFORMATION

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

446 Elderberry				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

	Yes	No	Unk
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 #
446 El- derberry	Excav at fill end	Soil	Sandy	5'9"	10/22/09 1545 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.

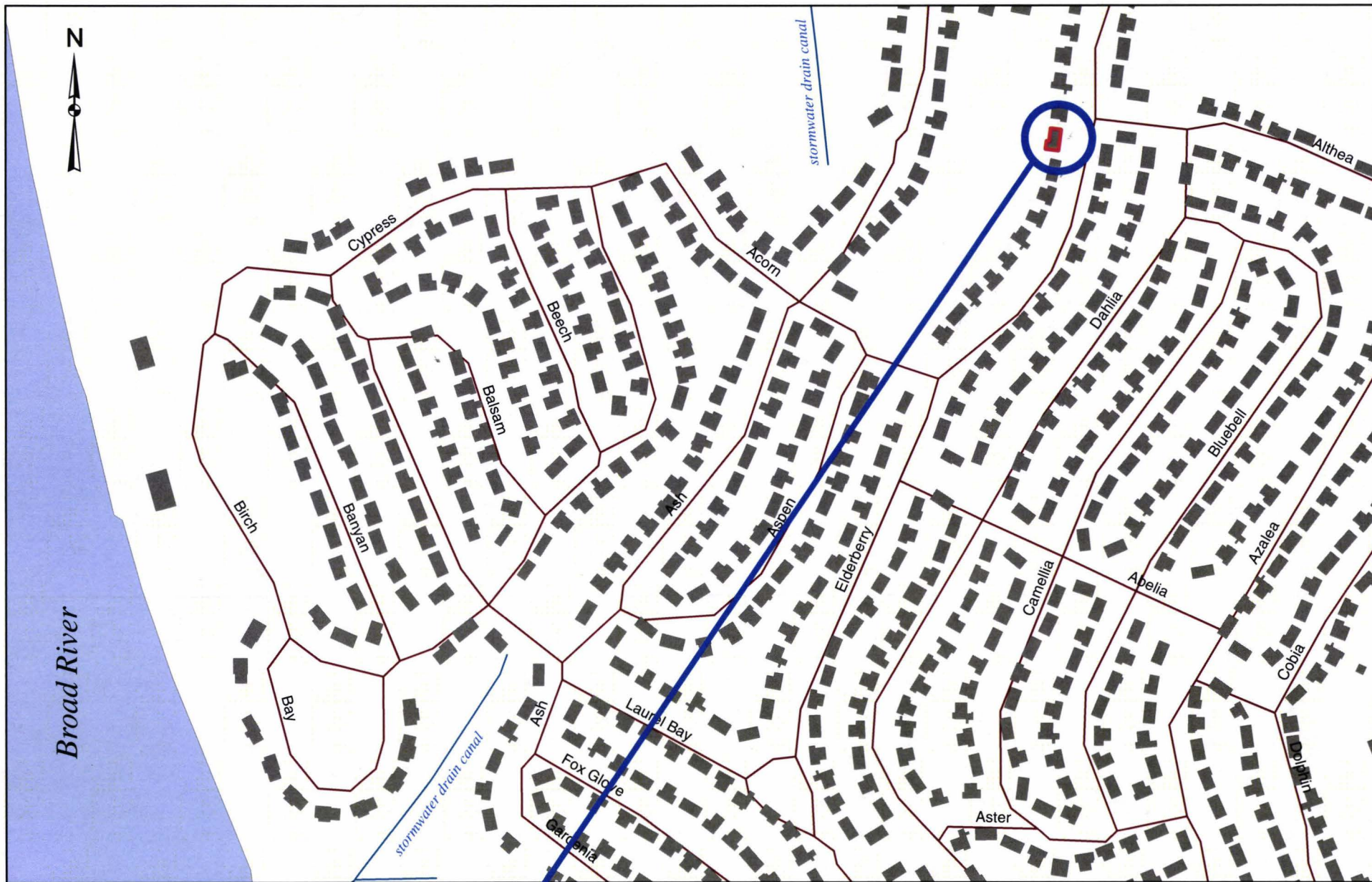
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Stormwater drainage canal ~ 780' If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer and water 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

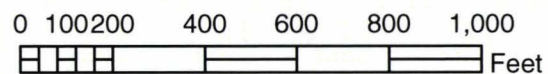
XIII. SITE MAP

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)



446 ELDERBERRY DR.



SBG-EEG, Inc.

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

Ph. (843) 879-0400

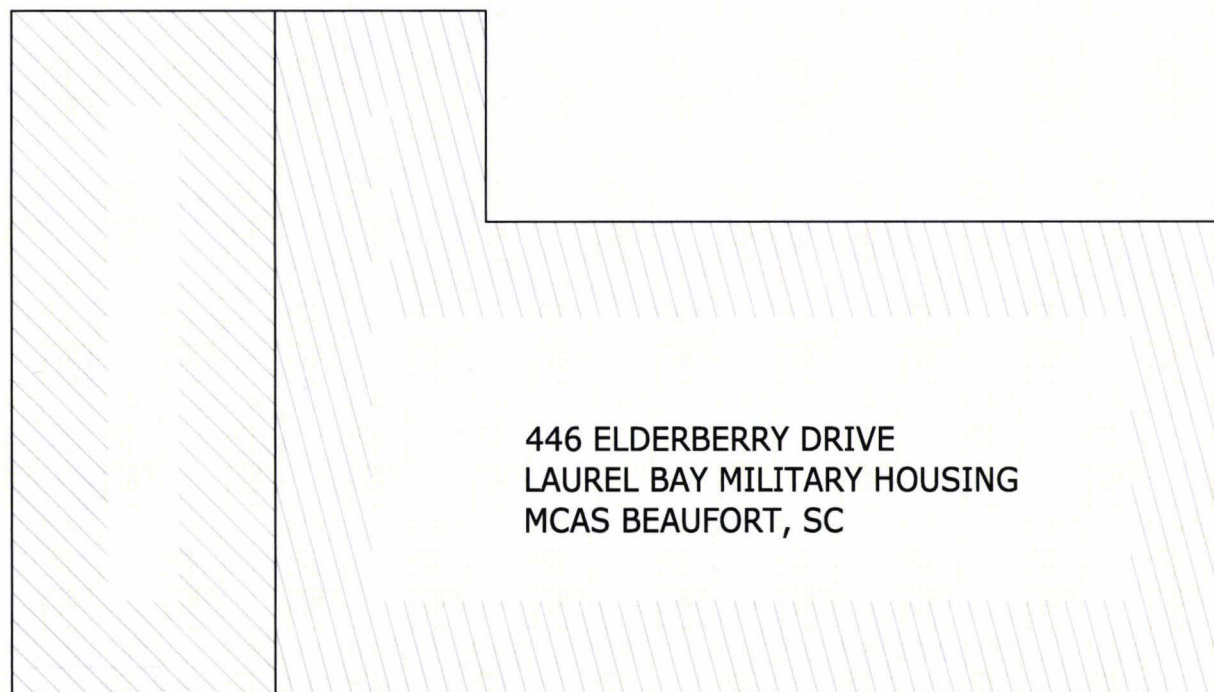
Drawn By: L. DiAsio

Dwg Date: DEC 2009

FIGURE 1: LOCATION MAP
446 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC



STORMWATER DRAINAGE
CANAL $\approx 780'$



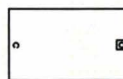
446 ELDERBERRY DRIVE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC

ASPHALT
DRIVEWAY

CONCRETE
PORCH

WATER

SEWER



UST 446ELDERBERRY

SBG-EEG

10179 HWY 78
LADSON, SC 29456

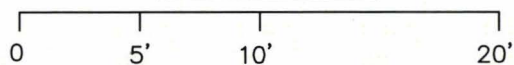
ph. (843) 879-0400

FIGURE 2 SITE MAP
446 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE DEC 2009

GRAPHIC SCALE



446 ELDERBERRY DRIVE



CONCRETE
PORCH

EXCAVATION

FILL END

WATER

SEWER

GRASS

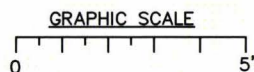
UST 446ELDERBERRY,
280 GAL.

SOIL SAMPLE
446 ELDERBERRY

STORMWATER DRAINAGE
CANAL $\approx$ 780'



UST 446ELDERBERRY WAS
33" BELOW GRADE



SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
446 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE DEC 2009



Picture 1: Location of UST 446Elderberry.



Picture 2: UST 446Elderberry.

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	446Elderberry						
Benzene		ND						
Toluene		ND						
Ethylbenzene		ND						
Xylenes		ND						
Naphthalene		1.01 mg/kg						
Benzo (a) anthracene		6.67 mg/kg						
Benzo (b) fluoranthene		4.25 mg/kg						
Benzo (k) fluoranthene		2.81 mg/kg						
Chrysene		6.82 mg/kg						
Dibenz (a, h) anthracene		0.547 mg/kg						
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)

November 30, 2009 4:11:14PM

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 10/23/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
368 Aspen	NSJ2253-01	10/19/09 14:00
367 Aspen	NSJ2253-02	10/19/09 16:00
412 Elderberry	NSJ2253-03	10/20/09 10:00
416 Elderberry	NSJ2253-04	10/20/09 12:10
357 Aspen	NSJ2253-05	10/20/09 16:15
426 Elderberry	NSJ2253-06	10/21/09 09:15
422 Elderberry	NSJ2253-07	10/21/09 11:20
418 Elderberry	NSJ2253-08	10/22/09 10:00
446 Elderberry	NSJ2253-09	10/22/09 15:45

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: 11/30/09 KAH - To correct sample date for NSJ2253-05 (357 Aspen) to 11/20/09. This report replaces the one generated on 11/06/09 @ 16:49.
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: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-01 (368 Aspen - Soil) Sampled: 10/19/09 14:00									
General Chemistry Parameters									
% Dry Solids	88.5		%	0.500	1	11/04/09 08:35	SW-846	DEA	9110012
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00246	1	10/30/09 07:31	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00246	1	10/30/09 07:31	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00615	1	10/30/09 07:31	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00246	1	10/30/09 07:31	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00615	1	10/30/09 07:31	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	103 %					10/30/09 07:31	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	97 %					10/30/09 07:31	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	106 %					10/30/09 07:31	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	106 %					10/30/09 07:31	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-01 (368 Aspen - Soil) - cont. Sampled: 10/19/09 14:00										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0246	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0246	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0167	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0145	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0167	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	ND		mg/kg dry	0.0190	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0156	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0212	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0167	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0156	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0156	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0145	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0134	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0223	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0145	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0134	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0190	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0201	0.0748	1	10/29/09 20:31	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	66 %					1	10/29/09 20:31	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	46 %					1	10/29/09 20:31	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	44 %					1	10/29/09 20:31	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-02 (367 Aspen - Soil) Sampled: 10/19/09 16:00									
General Chemistry Parameters									
% Dry Solids	94.7		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00229	1	10/30/09 08:01	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00229	1	10/30/09 08:01	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00571	1	10/30/09 08:01	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00229	1	10/30/09 08:01	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00571	1	10/30/09 08:01	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	103 %					10/30/09 08:01	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	98 %					10/30/09 08:01	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	107 %					10/30/09 08:01	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	112 %					10/30/09 08:01	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-02 (367 Aspen - Soil) - cont. Sampled: 10/19/09 16:00										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0231	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0231	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0157	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0136	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0157	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	ND		mg/kg dry	0.0178	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	0.0402	J	mg/kg dry	0.0147	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0199	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0157	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0147	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0147	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0136	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0126	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0210	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0136	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0126	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0178	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0189	0.0702	1	10/29/09 20:55	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	71 %					1	10/29/09 20:55	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	55 %					1	10/29/09 20:55	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	47 %					1	10/29/09 20:55	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-03 (412 Elderberry - Soil) Sampled: 10/20/09 10:00									
General Chemistry Parameters									
% Dry Solids	96.5		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00241	1	10/30/09 08:31	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00241	1	10/30/09 08:31	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00602	1	10/30/09 08:31	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00241	1	10/30/09 08:31	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00602	1	10/30/09 08:31	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	105 %					10/30/09 08:31	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	100 %					10/30/09 08:31	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	104 %					10/30/09 08:31	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	103 %					10/30/09 08:31	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-03 (412 Elderberry - Soil) - cont. Sampled: 10/20/09 10:00										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0226	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0226	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0154	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0133	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0154	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	ND		mg/kg dry	0.0174	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0144	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0195	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0154	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0144	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0144	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0133	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0123	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0205	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0133	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0123	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0174	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0185	0.0687	1	10/29/09 21:19	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	71 %					1	10/29/09 21:19	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	52 %					1	10/29/09 21:19	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	50 %					1	10/29/09 21:19	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-04 (416 Elderberry - Soil) Sampled: 10/20/09 12:10									
General Chemistry Parameters									
% Dry Solids	92.2		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00239	1	10/30/09 09:01	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00239	1	10/30/09 09:01	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00599	1	10/30/09 09:01	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00239	1	10/30/09 09:01	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00599	1	10/30/09 09:01	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	97 %					10/30/09 09:01	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	97 %					10/30/09 09:01	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	106 %					10/30/09 09:01	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	107 %					10/30/09 09:01	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-04 (416 Elderberry - Soil) - cont. Sampled: 10/20/09 12:10										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0236	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0236	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0161	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0140	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0161	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	0.0570	J	mg/kg dry	0.0183	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	0.481		mg/kg dry	0.0150	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0204	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0161	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0150	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0150	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0140	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	0.0964		mg/kg dry	0.0129	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0215	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0140	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0129	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0183	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0193	0.0720	1	10/29/09 21:43	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	72 %					1	10/29/09 21:43	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	62 %					1	10/29/09 21:43	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	58 %					1	10/29/09 21:43	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-05 (357 Aspen - Soil) Sampled: 10/20/09 16:15									
General Chemistry Parameters									
% Dry Solids	81.6		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00206	1	10/30/09 09:31	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00206	1	10/30/09 09:31	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00514	1	10/30/09 09:31	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00206	1	10/30/09 09:31	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00514	1	10/30/09 09:31	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	102 %					10/30/09 09:31	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	102 %					10/30/09 09:31	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	102 %					10/30/09 09:31	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	100 %					10/30/09 09:31	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-05 (357 Aspen - Soil) - cont. Sampled: 10/20/09 16:15										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0268	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0268	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0182	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0158	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0182	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	ND		mg/kg dry	0.0207	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0170	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0231	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0182	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0170	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0170	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0158	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0146	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0243	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0158	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0146	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0207	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0219	0.0815	1	10/29/09 22:07	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	73 %					1	10/29/09 22:07	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	51 %					1	10/29/09 22:07	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	46 %					1	10/29/09 22:07	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-06 (426 Elderberry - Soil) Sampled: 10/21/09 09:15									
General Chemistry Parameters									
% Dry Solids	92.4		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00233	1	10/30/09 10:01	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00233	1	10/30/09 10:01	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00583	1	10/30/09 10:01	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00233	1	10/30/09 10:01	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00583	1	10/30/09 10:01	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	97 %					10/30/09 10:01	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	99 %					10/30/09 10:01	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	104 %					10/30/09 10:01	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	105 %					10/30/09 10:01	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-06 (426 Elderberry - Soil) - cont. Sampled: 10/21/09 09:15										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0233	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0233	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0159	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0138	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0159	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	ND		mg/kg dry	0.0180	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0148	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0201	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0159	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0148	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0148	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0138	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0127	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0212	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0138	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0127	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0180	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0191	0.0710	1	10/29/09 22:31	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	70 %					1	10/29/09 22:31	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	52 %					1	10/29/09 22:31	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	43 %					1	10/29/09 22:31	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-07 (422 Elderberry - Soil) Sampled: 10/21/09 11:20									
General Chemistry Parameters									
% Dry Solids	93.2		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00250	1	10/30/09 10:31	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00250	1	10/30/09 10:31	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00624	1	10/30/09 10:31	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00250	1	10/30/09 10:31	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00624	1	10/30/09 10:31	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	106 %					10/30/09 10:31	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	100 %					10/30/09 10:31	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	103 %					10/30/09 10:31	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	103 %					10/30/09 10:31	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-07 (422 Elderberry - Soil) - cont. Sampled: 10/21/09 11:20										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0230	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0230	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0157	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0136	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0157	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	ND		mg/kg dry	0.0177	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0146	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0198	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0157	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0146	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0146	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0136	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0125	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0209	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0136	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0125	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0177	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0188	0.0700	1	10/30/09 01:07	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	74 %					1	10/30/09 01:07	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	54 %					1	10/30/09 01:07	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	50 %					1	10/30/09 01:07	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-08 (418 Elderberry - Soil) Sampled: 10/22/09 10:00									
General Chemistry Parameters									
% Dry Solids	94.5		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00247	1	10/30/09 11:01	SW846 8260B	SMS	9104147
Ethylbenzene	ND		mg/kg dry	0.00247	1	10/30/09 11:01	SW846 8260B	SMS	9104147
Naphthalene	ND		mg/kg dry	0.00617	1	10/30/09 11:01	SW846 8260B	SMS	9104147
Toluene	ND		mg/kg dry	0.00247	1	10/30/09 11:01	SW846 8260B	SMS	9104147
Xylenes, total	ND		mg/kg dry	0.00617	1	10/30/09 11:01	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	107 %					10/30/09 11:01	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	103 %					10/30/09 11:01	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	103 %					10/30/09 11:01	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	101 %					10/30/09 11:01	SW846 8260B	SMS	9104147

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-08 (418 Elderberry - Soil) - cont. Sampled: 10/22/09 10:00										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0232	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Acenaphthylene	ND		mg/kg dry	0.0232	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Anthracene	ND		mg/kg dry	0.0158	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Benzo (a) anthracene	ND		mg/kg dry	0.0137	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Benzo (a) pyrene	ND		mg/kg dry	0.0158	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	ND		mg/kg dry	0.0179	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0147	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	ND		mg/kg dry	0.0200	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Chrysene	ND		mg/kg dry	0.0158	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0147	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Fluoranthene	ND		mg/kg dry	0.0147	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0137	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0126	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0211	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Phenanthrene	ND		mg/kg dry	0.0137	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Pyrene	ND		mg/kg dry	0.0126	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
1-Methylnaphthalene	ND		mg/kg dry	0.0179	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
2-Methylnaphthalene	ND		mg/kg dry	0.0189	0.0705	1	10/30/09 01:31	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	76 %					1	10/30/09 01:31	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	60 %					1	10/30/09 01:31	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	55 %					1	10/30/09 01:31	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-09 (446 Elderberry - Soil) Sampled: 10/22/09 15:45									
General Chemistry Parameters									
% Dry Solids	83.3		%	0.500	1	11/03/09 08:19	SW-846	DEA	9110010
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00227	1	10/30/09 11:31	SW846 8260B	SMS	9104147
Ethylbenzene	ND	RL1	mg/kg dry	0.114	50	10/30/09 17:37	SW846 8260B	SMS	9105123
Naphthalene	1.01		mg/kg dry	0.285	50	10/30/09 17:37	SW846 8260B	SMS	9105123
Toluene	ND	RL1	mg/kg dry	0.114	50	10/30/09 17:37	SW846 8260B	SMS	9105123
Xylenes, total	ND	RL1	mg/kg dry	0.285	50	10/30/09 17:37	SW846 8260B	SMS	9105123
Surr: 1,2-Dichloroethane-d4 (67-138%)	123 %					10/30/09 11:31	SW846 8260B	SMS	9104147
Surr: 1,2-Dichloroethane-d4 (67-138%)	94 %					10/30/09 17:37	SW846 8260B	SMS	9105123
Surr: Dibromofluoromethane (75-125%)	117 %					10/30/09 11:31	SW846 8260B	SMS	9104147
Surr: Dibromofluoromethane (75-125%)	89 %					10/30/09 17:37	SW846 8260B	SMS	9105123
Surr: Toluene-d8 (76-129%)	161 %	ZX				10/30/09 11:31	SW846 8260B	SMS	9104147
Surr: Toluene-d8 (76-129%)	101 %					10/30/09 17:37	SW846 8260B	SMS	9105123
Surr: 4-Bromofluorobenzene (67-147%)	1320 %	ZX				10/30/09 11:31	SW846 8260B	SMS	9104147
Surr: 4-Bromofluorobenzene (67-147%)	106 %					10/30/09 17:37	SW846 8260B	SMS	9105123

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSJ2253-09 (446 Elderberry - Soil) - cont. Sampled: 10/22/09 15:45										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0523	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Acenaphthylene	0.824		mg/kg dry	0.0523	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Anthracene	1.78		mg/kg dry	0.0356	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Benzo (a) anthracene	6.67		mg/kg dry	0.0309	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Benzo (a) pyrene	3.05		mg/kg dry	0.0356	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Benzo (b) fluoranthene	4.25		mg/kg dry	0.0404	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Benzo (g,h,i) perylene	0.646		mg/kg dry	0.0333	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Benzo (k) fluoranthene	2.81		mg/kg dry	0.0452	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Chrysene	6.82		mg/kg dry	0.0356	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Dibenz (a,h) anthracene	0.547		mg/kg dry	0.0333	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Fluoranthene	0.497		mg/kg dry	0.0333	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Fluorene	ND		mg/kg dry	0.0309	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Indeno (1,2,3-cd) pyrene	0.823		mg/kg dry	0.0285	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Naphthalene	ND		mg/kg dry	0.0475	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
Phenanthrene	14.5		mg/kg dry	0.0618	0.318	2	10/30/09 09:40	SW846 8270D	BES	9104365
Pyrene	12.3		mg/kg dry	0.0570	0.318	2	10/30/09 09:40	SW846 8270D	BES	9104365
1-Methylnaphthalene	5.70		mg/kg dry	0.0404	0.159	1	10/30/09 01:55	SW846 8270D	BES	9104365
2-Methylnaphthalene	10.4		mg/kg dry	0.0856	0.318	2	10/30/09 09:40	SW846 8270D	BES	9104365
Surr: Terphenyl-d14 (18-120%)	80 %					1	10/30/09 01:55	SW846 8270D	BES	9104365
Surr: 2-Fluorobiphenyl (14-120%)	64 %					1	10/30/09 01:55	SW846 8270D	BES	9104365
Surr: Nitrobenzene-d5 (17-120%)	109 %					1	10/30/09 01:55	SW846 8270D	BES	9104365

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	9104365	NSJ2253-01	30.37	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-02	30.22	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-03	30.30	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-04	30.27	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-05	30.22	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-06	30.63	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-07	30.83	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-08	30.16	1.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-09	30.31	2.00	10/28/09 08:30	TEM	EPA 3550B
SW846 8270D	9104365	NSJ2253-09RE1	30.31	2.00	10/28/09 08:30	TEM	EPA 3550B
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9104147	NSJ2253-01	4.59	5.00	10/19/09 14:00	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-02	4.62	5.00	10/19/09 16:00	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-03	4.30	5.00	10/20/09 10:00	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-04	4.53	5.00	10/20/09 12:10	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-05	5.96	5.00	10/19/09 16:15	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-06	4.64	5.00	10/21/09 09:15	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-07	4.30	5.00	10/21/09 11:20	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-08	4.29	5.00	10/22/09 10:00	CHH	EPA 5035
SW846 8260B	9104147	NSJ2253-09	5.30	5.00	10/22/09 15:45	CHH	EPA 5035
SW846 8260B	9105123	NSJ2253-09RE1	5.26	5.00	10/22/09 15:45	CHH	EPA 5035
SW846 8260B	9105123	NSJ2253-09RE2	5.26	5.00	10/22/09 15:45	CHH	EPA 5035

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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

9104147-BLK1

Benzene	0.000680	B	mg/kg wet	9104147	9104147-BLK1	10/30/09 05:31
Ethylbenzene	<0.000670		mg/kg wet	9104147	9104147-BLK1	10/30/09 05:31
Naphthalene	<0.00170		mg/kg wet	9104147	9104147-BLK1	10/30/09 05:31
Toluene	<0.000400		mg/kg wet	9104147	9104147-BLK1	10/30/09 05:31
Xylenes, total	<0.00130		mg/kg wet	9104147	9104147-BLK1	10/30/09 05:31
Surrogate: 1,2-Dichloroethane-d4	100%			9104147	9104147-BLK1	10/30/09 05:31
Surrogate: Dibromofluoromethane	97%			9104147	9104147-BLK1	10/30/09 05:31
Surrogate: Toluene-d8	104%			9104147	9104147-BLK1	10/30/09 05:31
Surrogate: 4-Bromofluorobenzene	106%			9104147	9104147-BLK1	10/30/09 05:31

9105123-BLK1

Benzene	<0.000670		mg/kg wet	9105123	9105123-BLK1	10/30/09 15:05
Ethylbenzene	<0.000670		mg/kg wet	9105123	9105123-BLK1	10/30/09 15:05
Naphthalene	<0.00170		mg/kg wet	9105123	9105123-BLK1	10/30/09 15:05
Toluene	<0.000400		mg/kg wet	9105123	9105123-BLK1	10/30/09 15:05
Xylenes, total	<0.00130		mg/kg wet	9105123	9105123-BLK1	10/30/09 15:05
Surrogate: 1,2-Dichloroethane-d4	98%			9105123	9105123-BLK1	10/30/09 15:05
Surrogate: Dibromofluoromethane	98%			9105123	9105123-BLK1	10/30/09 15:05
Surrogate: Toluene-d8	101%			9105123	9105123-BLK1	10/30/09 15:05
Surrogate: 4-Bromofluorobenzene	90%			9105123	9105123-BLK1	10/30/09 15:05

Polyaromatic Hydrocarbons by EPA 8270D

9104365-BLK1

Acenaphthene	<0.0220		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Acenaphthylene	<0.0220		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Anthracene	<0.0150		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Benzo (a) anthracene	<0.0130		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Benzo (a) pyrene	<0.0150		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Benzo (b) fluoranthene	<0.0170		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Benzo (g,h,i) perylene	<0.0140		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Benzo (k) fluoranthene	<0.0190		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Chrysene	<0.0150		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Dibenz (a,h) anthracene	<0.0140		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Fluoranthene	<0.0140		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Fluorene	<0.0130		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Indeno (1,2,3-cd) pyrene	<0.0120		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Naphthalene	<0.0200		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Phenanthrene	<0.0130		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
Pyrene	<0.0120		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
1-Methylnaphthalene	<0.0170		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55
2-Methylnaphthalene	<0.0180		mg/kg wet	9104365	9104365-BLK1	10/29/09 18:55

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

PROJECT QUALITY CONTROL DATA Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D						
9104365-BLK1						
<i>Surrogate: Terphenyl-d14</i>	98%			9104365	9104365-BLK1	10/29/09 18:55
<i>Surrogate: 2-Fluorobiphenyl</i>	78%			9104365	9104365-BLK1	10/29/09 18:55
<i>Surrogate: Nitrobenzene-d5</i>	70%			9104365	9104365-BLK1	10/29/09 18:55

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9110010-DUP1										
% Dry Solids	94.7	94.3		%	0.4	20	9110010	NSJ2253-02		11/03/09 08:19
9110012-DUP1										
% Dry Solids	68.9	68.7		%	0.3	20	9110012	NSJ2215-06		11/04/09 08:35

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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								
9104147-BS1								
Benzene	50.0	58.3		ug/kg	117%	78 - 126	9104147	10/30/09 03:31
Ethylbenzene	50.0	54.0		ug/kg	108%	79 - 130	9104147	10/30/09 03:31
Naphthalene	50.0	51.2		ug/kg	102%	72 - 150	9104147	10/30/09 03:31
Toluene	50.0	55.7		ug/kg	111%	76 - 126	9104147	10/30/09 03:31
Xylenes, total	150	157		ug/kg	105%	80 - 130	9104147	10/30/09 03:31
Surrogate: 1,2-Dichloroethane-d4	50.0	54.5			109%	67 - 138	9104147	10/30/09 03:31
Surrogate: Dibromofluoromethane	50.0	54.4			109%	75 - 125	9104147	10/30/09 03:31
Surrogate: Toluene-d8	50.0	53.0			106%	76 - 129	9104147	10/30/09 03:31
Surrogate: 4-Bromofluorobenzene	50.0	49.3			99%	67 - 147	9104147	10/30/09 03:31

9105123-BS1								
Benzene	50.0	49.6		ug/kg	99%	78 - 126	9105123	10/30/09 13:08
Ethylbenzene	50.0	52.0		ug/kg	104%	79 - 130	9105123	10/30/09 13:08
Naphthalene	50.0	53.9		ug/kg	108%	72 - 150	9105123	10/30/09 13:08
Toluene	50.0	48.8		ug/kg	98%	76 - 126	9105123	10/30/09 13:08
Xylenes, total	150	155		ug/kg	104%	80 - 130	9105123	10/30/09 13:08
Surrogate: 1,2-Dichloroethane-d4	50.0	49.4			99%	67 - 138	9105123	10/30/09 13:08
Surrogate: Dibromofluoromethane	50.0	49.7			99%	75 - 125	9105123	10/30/09 13:08
Surrogate: Toluene-d8	50.0	49.0			98%	76 - 129	9105123	10/30/09 13:08
Surrogate: 4-Bromofluorobenzene	50.0	44.8			90%	67 - 147	9105123	10/30/09 13:08

Polyaromatic Hydrocarbons by EPA 8270D

9104365-BS1								
Acenaphthene	1.67	1.27		mg/kg wet	76%	49 - 120	9104365	10/29/09 19:19
Acenaphthylene	1.67	1.43		mg/kg wet	86%	52 - 120	9104365	10/29/09 19:19
Anthracene	1.67	1.64		mg/kg wet	98%	58 - 120	9104365	10/29/09 19:19
Benzo (a) anthracene	1.67	1.53		mg/kg wet	92%	57 - 120	9104365	10/29/09 19:19
Benzo (a) pyrene	1.67	1.61		mg/kg wet	97%	55 - 120	9104365	10/29/09 19:19
Benzo (b) fluoranthene	1.67	1.54		mg/kg wet	93%	51 - 123	9104365	10/29/09 19:19
Benzo (g,h,i) perylene	1.67	1.52		mg/kg wet	91%	49 - 121	9104365	10/29/09 19:19
Benzo (k) fluoranthene	1.67	1.45		mg/kg wet	87%	42 - 129	9104365	10/29/09 19:19
Chrysene	1.67	1.41		mg/kg wet	84%	55 - 120	9104365	10/29/09 19:19
Dibenz (a,h) anthracene	1.67	1.52		mg/kg wet	91%	50 - 123	9104365	10/29/09 19:19
Fluoranthene	1.67	1.42		mg/kg wet	85%	58 - 120	9104365	10/29/09 19:19
Fluorene	1.67	1.34		mg/kg wet	80%	54 - 120	9104365	10/29/09 19:19
Indeno (1,2,3-cd) pyrene	1.67	1.56		mg/kg wet	94%	50 - 122	9104365	10/29/09 19:19
Naphthalene	1.67	1.17		mg/kg wet	70%	28 - 120	9104365	10/29/09 19:19
Phenanthrene	1.67	1.38		mg/kg wet	83%	56 - 120	9104365	10/29/09 19:19
Pyrene	1.67	1.55		mg/kg wet	93%	56 - 120	9104365	10/29/09 19:19
1-Methylnaphthalene	1.67	1.20		mg/kg wet	72%	36 - 120	9104365	10/29/09 19:19
2-Methylnaphthalene	1.67	1.24		mg/kg wet	75%	36 - 120	9104365	10/29/09 19:19

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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								
9104365-BS1								
Surrogate: Terphenyl-d14	1.67	1.36			82%	18 - 120	9104365	10/29/09 19:19
Surrogate: 2-Fluorobiphenyl	1.67	1.17			70%	14 - 120	9104365	10/29/09 19:19
Surrogate: Nitrobenzene-d5	1.67	0.954			57%	17 - 120	9104365	10/29/09 19:19

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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												
9104147-BSD1												
Benzene		53.7		ug/kg	50.0	107%	78 - 126	8	50	9104147		10/30/09 04:01
Ethylbenzene		49.8		ug/kg	50.0	100%	79 - 130	8	50	9104147		10/30/09 04:01
Naphthalene		49.6		ug/kg	50.0	99%	72 - 150	3	50	9104147		10/30/09 04:01
Toluene		52.5		ug/kg	50.0	105%	76 - 126	6	50	9104147		10/30/09 04:01
Xylenes, total		144		ug/kg	150	96%	80 - 130	9	50	9104147		10/30/09 04:01
Surrogate: 1,2-Dichloroethane-d4		52.6		ug/kg	50.0	105%	67 - 138			9104147		10/30/09 04:01
Surrogate: Dibromofluoromethane		53.0		ug/kg	50.0	106%	75 - 125			9104147		10/30/09 04:01
Surrogate: Toluene-d8		52.4		ug/kg	50.0	105%	76 - 129			9104147		10/30/09 04:01
Surrogate: 4-Bromofluorobenzene		49.7		ug/kg	50.0	99%	67 - 147			9104147		10/30/09 04:01
9105123-BSD1												
Benzene		44.7		ug/kg	50.0	89%	78 - 126	10	50	9105123		10/30/09 13:37
Ethylbenzene		46.8		ug/kg	50.0	94%	79 - 130	11	50	9105123		10/30/09 13:37
Naphthalene		47.8		ug/kg	50.0	96%	72 - 150	12	50	9105123		10/30/09 13:37
Toluene		43.5		ug/kg	50.0	87%	76 - 126	11	50	9105123		10/30/09 13:37
Xylenes, total		140		ug/kg	150	93%	80 - 130	11	50	9105123		10/30/09 13:37
Surrogate: 1,2-Dichloroethane-d4		48.8		ug/kg	50.0	98%	67 - 138			9105123		10/30/09 13:37
Surrogate: Dibromofluoromethane		49.0		ug/kg	50.0	98%	75 - 125			9105123		10/30/09 13:37
Surrogate: Toluene-d8		48.8		ug/kg	50.0	98%	76 - 129			9105123		10/30/09 13:37
Surrogate: 4-Bromofluorobenzene		45.3		ug/kg	50.0	91%	67 - 147			9105123		10/30/09 13:37

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
9104147-MS1										
Benzene	0.000825	0.0460		mg/kg dry	0.0480	94%	42 - 141	9104147	NSJ2253-01	10/30/09 12:01
Ethylbenzene	ND	0.0441		mg/kg dry	0.0480	92%	21 - 165	9104147	NSJ2253-01	10/30/09 12:01
Naphthalene	ND	0.0208		mg/kg dry	0.0480	43%	10 - 160	9104147	NSJ2253-01	10/30/09 12:01
Toluene	0.000603	0.0460		mg/kg dry	0.0480	95%	45 - 145	9104147	NSJ2253-01	10/30/09 12:01
Xylenes, total	ND	0.121		mg/kg dry	0.144	84%	31 - 159	9104147	NSJ2253-01	10/30/09 12:01
Surrogate: 1,2-Dichloroethane-d4		48.3		ug/kg	50.0	97%	67 - 138	9104147	NSJ2253-01	10/30/09 12:01
Surrogate: Dibromofluoromethane		47.4		ug/kg	50.0	95%	75 - 125	9104147	NSJ2253-01	10/30/09 12:01
Surrogate: Toluene-d8		54.8		ug/kg	50.0	110%	76 - 129	9104147	NSJ2253-01	10/30/09 12:01
Surrogate: 4-Bromofluorobenzene		57.6		ug/kg	50.0	115%	67 - 147	9104147	NSJ2253-01	10/30/09 12:01
9105123-MS1										
Benzene	0.00149	0.0263		mg/kg dry	0.0526	47%	42 - 141	9105123	NSJ2794-01	10/30/09 22:00
Ethylbenzene	0.00124	0.0146		mg/kg dry	0.0526	25%	21 - 165	9105123	NSJ2794-01	10/30/09 22:00
Naphthalene	0.0108	0.0123	M8	mg/kg dry	0.0526	3%	10 - 160	9105123	NSJ2794-01	10/30/09 22:00
Toluene	0.00110	0.0204	M8	mg/kg dry	0.0526	37%	45 - 145	9105123	NSJ2794-01	10/30/09 22:00
Xylenes, total	0.00447	0.0412	M8	mg/kg dry	0.158	23%	31 - 159	9105123	NSJ2794-01	10/30/09 22:00
Surrogate: 1,2-Dichloroethane-d4		48.5		ug/kg	50.0	97%	67 - 138	9105123	NSJ2794-01	10/30/09 22:00
Surrogate: Dibromofluoromethane		50.7		ug/kg	50.0	101%	75 - 125	9105123	NSJ2794-01	10/30/09 22:00
Surrogate: Toluene-d8		50.1		ug/kg	50.0	100%	76 - 129	9105123	NSJ2794-01	10/30/09 22:00
Surrogate: 4-Bromofluorobenzene		64.1		ug/kg	50.0	128%	67 - 147	9105123	NSJ2794-01	10/30/09 22:00
Polyaromatic Hydrocarbons by EPA 8270D										
9104365-MS1										
Acenaphthene	ND	1.22		mg/kg dry	1.80	68%	42 - 120	9104365	NSJ2253-06	10/29/09 19:43
Acenaphthylene	ND	1.35		mg/kg dry	1.80	75%	32 - 120	9104365	NSJ2253-06	10/29/09 19:43
Anthracene	ND	1.57		mg/kg dry	1.80	87%	10 - 200	9104365	NSJ2253-06	10/29/09 19:43
Benzo (a) anthracene	ND	1.55		mg/kg dry	1.80	86%	41 - 120	9104365	NSJ2253-06	10/29/09 19:43
Benzo (a) pyrene	ND	1.61		mg/kg dry	1.80	89%	33 - 121	9104365	NSJ2253-06	10/29/09 19:43
Benzo (b) fluoranthene	ND	1.48		mg/kg dry	1.80	82%	26 - 137	9104365	NSJ2253-06	10/29/09 19:43
Benzo (g,h,i) perylene	ND	1.53		mg/kg dry	1.80	85%	21 - 124	9104365	NSJ2253-06	10/29/09 19:43
Benzo (k) fluoranthene	ND	1.54		mg/kg dry	1.80	85%	14 - 140	9104365	NSJ2253-06	10/29/09 19:43
Chrysene	ND	1.44		mg/kg dry	1.80	80%	28 - 123	9104365	NSJ2253-06	10/29/09 19:43
Dibenz (a,h) anthracene	ND	1.50		mg/kg dry	1.80	83%	25 - 127	9104365	NSJ2253-06	10/29/09 19:43
Fluoranthene	ND	1.44		mg/kg dry	1.80	80%	38 - 120	9104365	NSJ2253-06	10/29/09 19:43
Fluorene	ND	1.36		mg/kg dry	1.80	75%	41 - 120	9104365	NSJ2253-06	10/29/09 19:43
Indeno (1,2,3-cd) pyrene	ND	1.54		mg/kg dry	1.80	86%	25 - 123	9104365	NSJ2253-06	10/29/09 19:43
Naphthalene	ND	1.07		mg/kg dry	1.80	60%	25 - 120	9104365	NSJ2253-06	10/29/09 19:43
Phenanthrene	ND	1.34		mg/kg dry	1.80	74%	37 - 120	9104365	NSJ2253-06	10/29/09 19:43

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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										
9104365-MS1										
Pyrene	ND	1.56		mg/kg dry	1.80	86%	29 - 125	9104365	NSJ2253-06	10/29/09 19:43
1-Methylnaphthalene	ND	1.16		mg/kg dry	1.80	64%	19 - 120	9104365	NSJ2253-06	10/29/09 19:43
2-Methylnaphthalene	ND	1.16		mg/kg dry	1.80	64%	11 - 120	9104365	NSJ2253-06	10/29/09 19:43
Surrogate: Terphenyl-d14		1.41		mg/kg dry	1.80	78%	18 - 120	9104365	NSJ2253-06	10/29/09 19:43
Surrogate: 2-Fluorobiphenyl		1.17		mg/kg dry	1.80	65%	14 - 120	9104365	NSJ2253-06	10/29/09 19:43
Surrogate: Nitrobenzene-d5		0.927		mg/kg dry	1.80	51%	17 - 120	9104365	NSJ2253-06	10/29/09 19:43

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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												
9104147-MSD1												
Benzene	0.000825	0.0609		mg/kg dry	0.0560	107%	42 - 141	28	50	9104147	NSJ2253-01	10/30/09 12:31
Ethylbenzene	ND	0.0609		mg/kg dry	0.0560	109%	21 - 165	32	50	9104147	NSJ2253-01	10/30/09 12:31
Naphthalene	ND	0.0270		mg/kg dry	0.0560	48%	10 - 160	26	50	9104147	NSJ2253-01	10/30/09 12:31
Toluene	0.000603	0.0618		mg/kg dry	0.0560	109%	45 - 145	29	50	9104147	NSJ2253-01	10/30/09 12:31
Xylenes, total	ND	0.173		mg/kg dry	0.168	103%	31 - 159	35	50	9104147	NSJ2253-01	10/30/09 12:31
Surrogate: 1,2-Dichloroethane-d4		49.2		ug/kg	50.0	98%	67 - 138			9104147	NSJ2253-01	10/30/09 12:31
Surrogate: Dibromofluoromethane		49.5		ug/kg	50.0	99%	75 - 125			9104147	NSJ2253-01	10/30/09 12:31
Surrogate: Toluene-d8		54.2		ug/kg	50.0	108%	76 - 129			9104147	NSJ2253-01	10/30/09 12:31
Surrogate: 4-Bromofluorobenzene		54.3		ug/kg	50.0	109%	67 - 147			9104147	NSJ2253-01	10/30/09 12:31
9105123-MSD1												
Benzene	0.00149	0.0530	R	mg/kg dry	0.0544	95%	42 - 141	67	50	9105123	NSJ2794-01	10/30/09 22:29
Ethylbenzene	0.00124	0.0283	R	mg/kg dry	0.0544	50%	21 - 165	64	50	9105123	NSJ2794-01	10/30/09 22:29
Naphthalene	0.0108	0.0176		mg/kg dry	0.0544	12%	10 - 160	35	50	9105123	NSJ2794-01	10/30/09 22:29
Toluene	0.00110	0.0464	R2	mg/kg dry	0.0544	83%	45 - 145	78	50	9105123	NSJ2794-01	10/30/09 22:29
Xylenes, total	0.00447	0.0783	R2	mg/kg dry	0.163	45%	31 - 159	62	50	9105123	NSJ2794-01	10/30/09 22:29
Surrogate: 1,2-Dichloroethane-d4		53.5		ug/kg	50.0	107%	67 - 138			9105123	NSJ2794-01	10/30/09 22:29
Surrogate: Dibromofluoromethane		55.6		ug/kg	50.0	111%	75 - 125			9105123	NSJ2794-01	10/30/09 22:29
Surrogate: Toluene-d8		55.6		ug/kg	50.0	111%	76 - 129			9105123	NSJ2794-01	10/30/09 22:29
Surrogate: 4-Bromofluorobenzene		64.3		ug/kg	50.0	129%	67 - 147			9105123	NSJ2794-01	10/30/09 22:29
Polyaromatic Hydrocarbons by EPA 8270D												
9104365-MSD1												
Acenaphthene	ND	0.869		mg/kg dry	1.78	49%	42 - 120	34	40	9104365	NSJ2253-06	10/29/09 20:07
Acenaphthylene	ND	0.961	R2	mg/kg dry	1.78	54%	32 - 120	34	30	9104365	NSJ2253-06	10/29/09 20:07
Anthracene	ND	1.22		mg/kg dry	1.78	68%	10 - 200	25	50	9104365	NSJ2253-06	10/29/09 20:07
Benzo (a) anthracene	ND	1.20		mg/kg dry	1.78	67%	41 - 120	25	30	9104365	NSJ2253-06	10/29/09 20:07
Benzo (a) pyrene	ND	1.22		mg/kg dry	1.78	68%	33 - 121	28	33	9104365	NSJ2253-06	10/29/09 20:07
Benzo (b) fluoranthene	ND	1.09		mg/kg dry	1.78	61%	26 - 137	30	42	9104365	NSJ2253-06	10/29/09 20:07
Benzo (g,h,i) perylene	ND	1.18		mg/kg dry	1.78	66%	21 - 124	26	32	9104365	NSJ2253-06	10/29/09 20:07
Benzo (k) fluoranthene	ND	1.23		mg/kg dry	1.78	69%	14 - 140	22	39	9104365	NSJ2253-06	10/29/09 20:07
Chrysene	ND	1.09		mg/kg dry	1.78	61%	28 - 123	27	34	9104365	NSJ2253-06	10/29/09 20:07
Dibenz (a,h) anthracene	ND	1.16		mg/kg dry	1.78	65%	25 - 127	26	31	9104365	NSJ2253-06	10/29/09 20:07
Fluoranthene	ND	1.11		mg/kg dry	1.78	62%	38 - 120	26	35	9104365	NSJ2253-06	10/29/09 20:07
Fluorene	ND	0.991		mg/kg dry	1.78	56%	41 - 120	31	37	9104365	NSJ2253-06	10/29/09 20:07
Indeno (1,2,3-cd) pyrene	ND	1.20		mg/kg dry	1.78	68%	25 - 123	25	32	9104365	NSJ2253-06	10/29/09 20:07
Naphthalene	ND	0.741		mg/kg dry	1.78	42%	25 - 120	37	42	9104365	NSJ2253-06	10/29/09 20:07
Phenanthrene	ND	1.05		mg/kg dry	1.78	59%	37 - 120	24	32	9104365	NSJ2253-06	10/29/09 20:07
Pyrene	ND	1.22		mg/kg dry	1.78	68%	29 - 125	25	40	9104365	NSJ2253-06	10/29/09 20:07
1-Methylnaphthalene	ND	0.792		mg/kg dry	1.78	44%	19 - 120	38	45	9104365	NSJ2253-06	10/29/09 20:07
2-Methylnaphthalene	ND	0.849		mg/kg dry	1.78	48%	11 - 120	31	50	9104365	NSJ2253-06	10/29/09 20:07

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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												
9104365-MSD1												
Surrogate: Terphenyl-d14		1.07		mg/kg dry	1.78	60%	18 - 120			9104365	NSJ2253-06	10/29/09 20:07
Surrogate: 2-Fluorobiphenyl		0.753		mg/kg dry	1.78	42%	14 - 120			9104365	NSJ2253-06	10/29/09 20:07
Surrogate: Nitrobenzene-d5		0.635		mg/kg dry	1.78	36%	17 - 120			9104365	NSJ2253-06	10/29/09 20:07

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

Work Order: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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: NSJ2253
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/23/09 08:00

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.
M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
R2 The RPD exceeded the acceptance limit.
RL1 Reporting limit raised due to sample matrix effects.
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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

NSJ2253

11/06/09 23 59

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

Compliance Monitoring? Yes ☐ No ☐

Enforcement Action? Yes ☐ No ☐

Client Name/Account #: EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

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

Telephone Number: 843.412.2097

Sampler Name: (Print) PROTT, SHAW

Sampler Signature: [Signature]

Fax No.

(843)-879-0401

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	Ice	Preservative						Matrix						Analyze For:										RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
								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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

Special Instructions:

Method of Shipment: FEDEX					
Relinquished by:	Date	Time	Received by:	Date	Time
<u>[Signature]</u>	10/27/09	1900	<u>Fr de</u>		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			<u>[Signature]</u>	10/23	8:00

Laboratory Comments:

Temperature Upon Receipt:
VOCs Free of Headspace?

Y

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

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

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

TANK ID & LOCATION

UST 446Elderberry, 446 Elderberry Drive, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

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

TYPE OF TANK

Steel

SIZE (GAL)

280

CLEANING/DISPOSAL METHOD

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

DISPOSAL CERTIFICATION

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

T. L. Wilcox , 12/14/09
(Name) (Date)

Appendix C
Laboratory Analytical Report - Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants				Laboratory ID: QF05011-007			
Description: BEALB446TW01WG20150604				Matrix: Aqueous			
Date Sampled: 06/04/2015 1135							
Date Received: 06/05/2015							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/10/2015 1314	EH1		76946

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	0.51	U	5.0	0.51	0.17	ug/L	1
Naphthalene	91-20-3	8260B	0.96	U	5.0	0.96	0.32	ug/L	1
Toluene	108-88-3	8260B	0.48	U	5.0	0.48	0.16	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.57	U	5.0	0.57	0.19	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		91	75-120
1,2-Dichloroethane-d4		86	70-120
Toluene-d8		91	85-120
Dibromofluoromethane		97	85-115

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

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

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**Laboratory ID: **QF05011-007**Description: **BEALB446TW01WG20150604**Matrix: **Aqueous**Date Sampled: **06/04/2015 1135**Date Received: **06/05/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	3520C	8270D (SIM)	1	06/12/2015 1438	RBH	06/08/2015 1651	76771			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene		56-55-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(b)fluoranthene		205-99-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(k)fluoranthene		207-08-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L	1
Chrysene		218-01-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L	1
Dibenzo(a,h)anthracene		53-70-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
2-Methylnaphthalene-d10		71	15-139							
Fluoranthene-d10		68	23-154							

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

Q = Surrogate failure

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

L = LCS/LCSD failure

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

S = MS/MSD failure

Shealy Environmental Services, Inc.

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

Level 1 Report v2.1

Appendix D

Regulatory Correspondence

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

May 15, 2014

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

RE: IGWA
Laurel Bay Underground Storage Tank Assessment Reports for:
See attached sheet

Dear Mr. Drawdy,

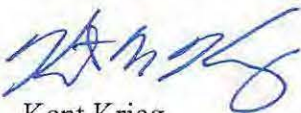
The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tank Assessment Reports for the addresses listed above. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina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

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

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

If you have any questions, please contact me at kriegkm@dhec.sc.gov or 803-898-0255.

Sincerely,



Kent Krieg
Department of Defense Corrective Action Section
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

Cc: Russell Berry (via email)
Craig Ehde (via email)

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

Attachment to: Krieg to Drawdy
Subject: IGWA
Dated 5/15/2014

Laurel Bay Underground Storage Tank Assessment Reports for: (121 addresses/139 tanks)

137 Laurel Bay Tank 2	387 Acorn
139 Laurel Bay	392 Acorn Tank 2
229 Cypress Tank 2	396 Acorn Tank 1
261 Beech Tank 1	396 Acorn Tank 2
261 Beech Tank 3	430 Elderberry
273 Birch Tank 1	433 Elderberry
273 Birch Tank 2	439 Elderberry
273 Birch Tank 3	440 Elderberry
276 Birch Tank 2	442 Elderberry
278 Birch Tank 2	443 Elderberry
291 Birch Tank 2	444 Elderberry Tank 1
300 Ash	445 Elderberry
304 Ash	446 Elderberry
314 Ash Tank 1	448 Elderberry
314 Ash Tank 2	449 Elderberry
322 Ash Tank 2	451 Elderberry
323 Ash	453 Elderberry
324 Ash	456 Elderberry Tank 1
325 Ash Tank 1	456 Elderberry Tank 2
325 Ash Tank 2	458 Elderberry Tank 1
326 Ash	458 Elderberry Tank 3
336 Ash	464 Dogwood
339 Ash	466 Dogwood
343 Ash Tank 1	467 Dogwood
344 Ash Tank 1	468 Dogwood
348 Ash	469 Dogwood
349 Ash Tank 1	471 Dogwood Tank 2
353 Ash Tank 1	471 Dogwood Tank 3
362 Aspen	475 Dogwood Tank 1
376 Aspen	475 Dogwood Tank 2
380 Aspen	516 Laurel Bay Tank 1 (UST#03747)
383 Aspen Tank 2	518 Laurel Bay

Laurel Bay Underground Storage Tank Assessment Reports for: (121 addresses/139 tanks) cont.

531 Laurel Bay	1219 Cardinal
532 Laurel Bay	1272 Albatross
635 Dahlia Tank 2	1305 Eagle
638 Dahlia	1353 Cardinal
640 Dahlia Tank 1	1356 Cardinal
640 Dahlia Tank 2	1357 Cardinal
645 Dahlia	1359 Cardinal
647 Dahlia	1360 Cardinal
648 Dahlia Tank 2	1361 Cardinal
650 Dahlia Tank 1	1368 Cardinal
650 Dahlia Tank 2	1370 Cardinal Tank 1
652 Dahlia Tank 1	1377 Dove
652 Dahlia Tank 2	1381 Dove
760 Althea	1382 Dove
763 Althea	1384 Dove
771 Althea	1385 Dove
927 Albacore	1389 Dove
1015 Foxglove	1391 Dove
1046 Gardenia	1392 Dove
1062 Gardenia Tank 2	1393 Dove Tank 1
1070 Heather	1393 Dove Tank 2
1072 Heather	1406 Eagle
1102 Iris Tank 1	1407 Eagle Tank 1
1107 Iris	1411 Eagle Tank 1
1126 Iris	1411 Eagle Tank 2
1129 Iris	1412 Eagle
1132 Iris	1413 Albatross
1133 Iris Tank 1	1414 Albatross
1138 Iris	1422 Albatross
1144 Iris Tank 1	1425 Albatross
1144 Iris Tank 2	1426 Albatross
1148 Iris Tank 1	1432 Dove
1148 Iris Tank 2	1434 Dove
1161 Jasmine	1436 Dove
1167 Jasmine	1438 Dove Tank 1
1170 Jasmine	1440 Dove
1190 Bobwhite	1442 Dove Tank 1
1192 Bobwhite	



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

Division of Waste Management
Bureau of Land and Waste Management

February 22, 2016

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

RE: Approval and Concurrence with Draft Final Initial Groundwater Investigation Report-May and June 2015
Laurel Bay Military Housing Area Multiple Properties
Dated October 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the addresses attached. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 52 stated addresses. For the remaining 91 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

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

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

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

Attachment to: Petrus to Drawdy
 Subject: Draft Final Initial Groundwater Investigation Report-May and June 2015
 Specific Property Recommendations
 Dated February 22, 2016

Draft Final Initial Groundwater Investigation Report for (143 addresses)

Permanent Monitoring Well Investigation recommendation (52 addresses)

273 Birch Drive	1192 Bobwhite Drive
325 Ash Street	1194 Bobwhite Drive
326 Ash Street	1272 Albatross Drive
336 Ash Street	1352 Cardinal Lane
343 Ash Street	1356 Cardinal Lane
353 Ash Street	1359 Cardinal Lane
430 Elderberry Drive	1360 Cardinal Lane
440 Elderberry Drive	1362 Cardinal Lane
456 Elderberry Drive	1370 Cardinal Lane
458 Elderberry Drive	1382 Dove Lane
468 Dogwood Drive	1384 Dove lane
518 Laurel Bay Blvd	1385 Dove Lane
635 Dahlia Drive	1389 Dove Lane
638 Dahlia Drive	1392 Dove Lane
640 Dahlia Drive	1393 Dove Lane
647 Dahlia Drive	1407 Eagle Lane
648 Dahlia Drive	1411 Eagle Lane
650 Dahlia Drive	1418 Albatross Drive
652 Dahlia Drive	1420 Albatross Drive
760 Althea Street	1426 Albatross Drive
1102 Iris Lane	1429 Albatross Drive
1132 Iris Lane	1434 Dove Lane
1133 Iris Lane	1436 Dove Lane
1144 Iris Lane	1440 Dove Lane
1148 Iris Lane	1442 Dove Lane
1186 Bobwhite Drive	1444 Dove Lane

No Further Action recommendation (91 addresses):

137 Laurel Bay Blvd	771 Althea Street
139 Laurel Bay Blvd	927 Albacore Street
229 Cypress Street	1015 Foxglove Street
261 Beech Street	1046 Gardenia Drive
276 Birch Drive	1062 Gardenia Drive
278 Birch Drive	1070 Heather Street
291 Birch Drive	1072 Heather Street

300 Ash Street	1107 Iris Lane
304 Ash Street	1126 Iris Lane
314 Ash Street	1129 Iris Lane
322 Ash Street	1138 Iris Lane
323 Ash Street	1161 Jasmine Street
324 Ash Street	1167 Jasmine Street
339 Ash Street	1170 Jasmine Street
344 Ash Street	1190 Bobwhite Drive
348 Ash Street	1219 Cardinal Lane
349 Ash Street	1305 Eagle Lane
362 Aspen Street	1353 Cardinal Lane
376 Aspen Street	1354 Cardinal Lane
380 Aspen Street	1357 Cardinal Lane
383 Aspen Street	1361 Cardinal Lane
387 Acorn Drive	1364 Cardinal Lane
392 Acorn Drive	1368 Cardinal Lane
396 Acorn Drive	1377 Dove Lane
433 Elderberry Drive	1381 Dove Lane
439 Elderberry Drive	1391 Dove Lane
442 Elderberry Drive	1403 Eagle Lane
443 Elderberry Drive	1404 Eagle Lane
444 Elderberry Drive	1405 Eagle Lane
445 Elderberry Drive	1406 Eagle Lane
446 Elderberry Drive	1408 Eagle Lane
448 Elderberry Drive	1410 Eagle Lane
449 Elderberry Drive	1412 Eagle Lane
451 Elderberry Drive	1413 Albatross Drive
453 Elderberry Drive	1414 Albatross Drive
464 Dogwood Drive	1417 Albatross Drive
466 Dogwood Drive	1421 Albatross Drive
467 Dogwood Drive	1422 Albatross Drive
469 Dogwood Drive	1425 Albatross Drive
471 Dogwood Drive	1427 Albatross Drive
475 Dogwood Drive	1430 Dove Lane
516 Laurel Bay Blvd	1432 Dove Lane
531 Laurel Bay Blvd	1438 Dove Lane
532 Laurel Bay Blvd	1453 Cardinal Lane
645 Dahlia Drive	1455 Cardinal Lane
763 Althea Street	