

**SUMMARY REPORT  
29 ASH STREET (FORMERLY 300 ASH STREET)  
LAUREL BAY MILITARY HOUSING AREA  
MARINE CORPS AIR STATION BEAUFORT  
BEAUFORT, SC**

**Revision: 0  
Prepared for:**

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

**and**



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

**JUNE 2021**

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Norfolk, Virginia 23511-3095**

**Prepared by:**

**CDM - AECOM**  
Multimedia Joint Venture

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

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

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### List of Acronyms

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

## **1.0 INTRODUCTION**

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 29 Ash Street (Formerly 300 Ash Street). 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

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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*

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*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 29 Ash Street (Formerly 300 Ash Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 300 Ash Street* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – 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 7, 2009, a single 280 gallon heating oil UST was removed from the front landscaped bed area adjacent to the driveway at 29 Ash Street (Formerly 300 Ash Street). 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 6'0" 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 29 Ash Street (Formerly 300 Ash Street) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated May 15, 2014, SCDHEC requested an IGWA for 29 Ash Street (Formerly 300 Ash Street) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

## **2.3 Groundwater Sampling**

On May 28, 2015, a temporary monitoring well was installed at 29 Ash Street (Formerly 300 Ash Street), 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 29 Ash Street (Formerly 300 Ash Street) 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 29 Ash Street (Formerly 300 Ash Street). 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, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 300 Ash Street, Laurel Bay Military Housing Area*, December 2009.

Resolution Consultants, 2016. *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**  
**29 Ash Street (Formerly 300 Ash Street)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Results Sample Collected 10/07/09
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)</b>		
Benzene	0.003	ND
Ethylbenzene	1.15	<b>0.0197</b>
Naphthalene	0.036	<b>0.161</b>
Toluene	0.627	ND
Xylenes, Total	13.01	<b>0.00734</b>
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)</b>		
Benzo(a)anthracene	0.66	<b>0.302</b>
Benzo(b)fluoranthene	0.66	<b>0.370</b>
Benzo(k)fluoranthene	0.66	<b>0.264</b>
Chrysene	0.66	<b>0.441</b>
Dibenz(a,h)anthracene	0.66	<b>0.0886</b>

**Notes:**

<sup>(1)</sup> 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**  
**29 Ash Street (Formerly 300 Ash Street)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Site-Specific Groundwater VISLs (µg/L) <sup>(2)</sup>	Results Sample Collected 05/28/15
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)</b>			
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
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)</b>			
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:**

<sup>(1)</sup> 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).

<sup>(2)</sup> 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  $1 \times 10^{-6}$ , 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**

<b>Date Received</b>
State Use Only

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

**I. OWNERSHIP OF UST (S)**

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

**II. SITE IDENTIFICATION AND LOCATION**

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

300Ash				
Heating oil				
280 gal				
Late 1950s				
Steel				
Unknown				
6'				
No				
No				
Removed				
10/7/09				
Yes				
Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)  
UST 300Ash was removed from the ground and disposed of at a subtitle "D" landfill. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)  
UST 300Ash had been previously filled with sand by others.

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

## VII. PIPING INFORMATION

- A. Construction Material..(ex. Steel, FRP).....
- B. Distance from UST to Dispenser.....
- C. Number of Dispensers.....
- D. Type of System Pressure or Suction.....
- E. Was Piping Removed from the Ground? Y/N
- F. Visible Corrosion or Pitting Y/N.....
- G. Visible Holes Y/N.....
- H. Age.....

300Ash				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

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

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

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## 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.

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## IX. SITE CONDITIONS

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

## X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
300Ash	Excav at fill end	Soil	Sandy	6'	10/7/09 1020 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

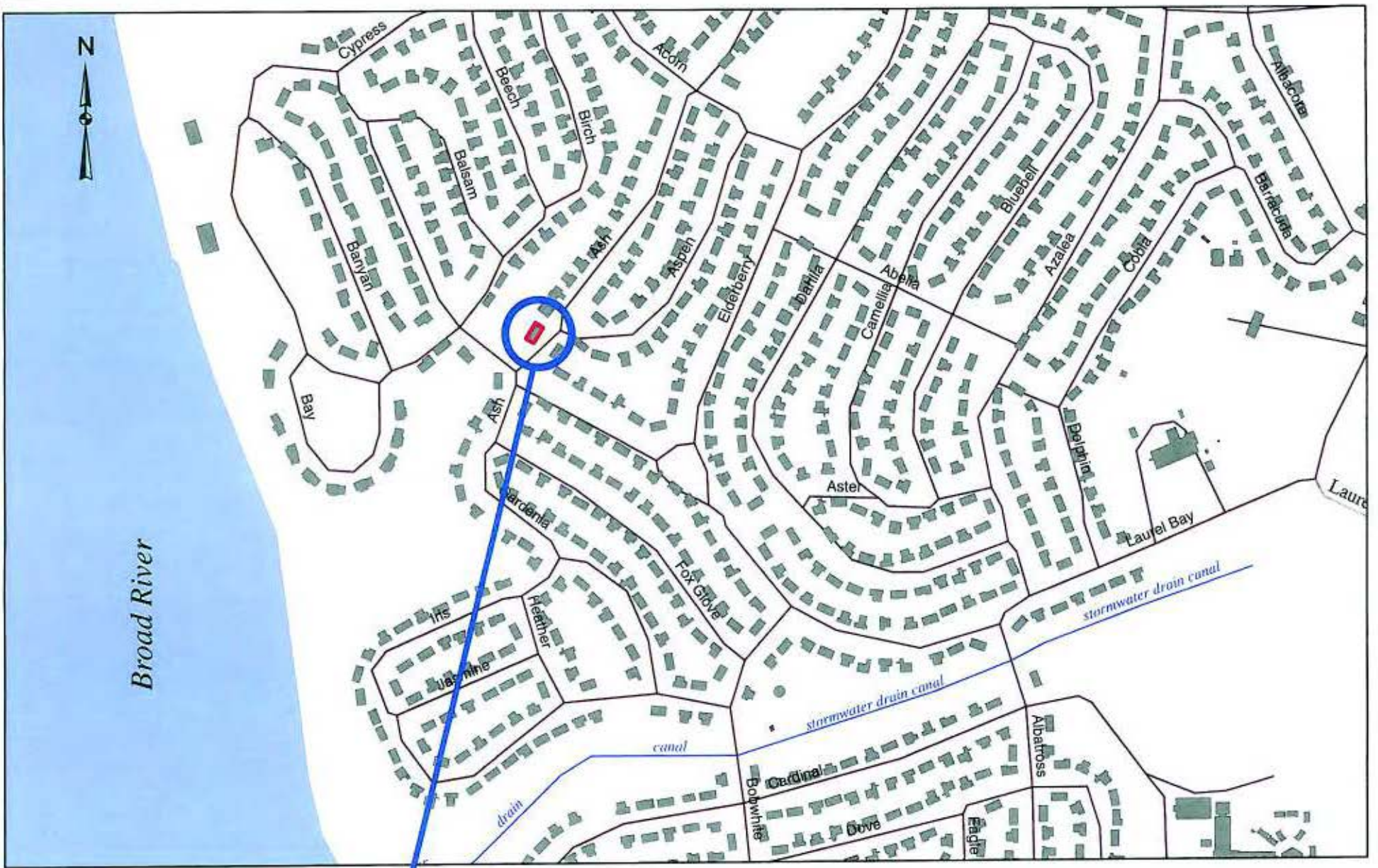
	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>B. Are there any public, private, or irrigation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



### **XIII. SITE MAP**

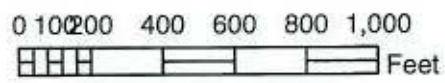
**You must supply a scaled site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.**

(Attach Site Map Here)



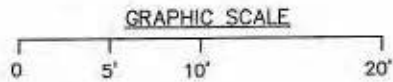
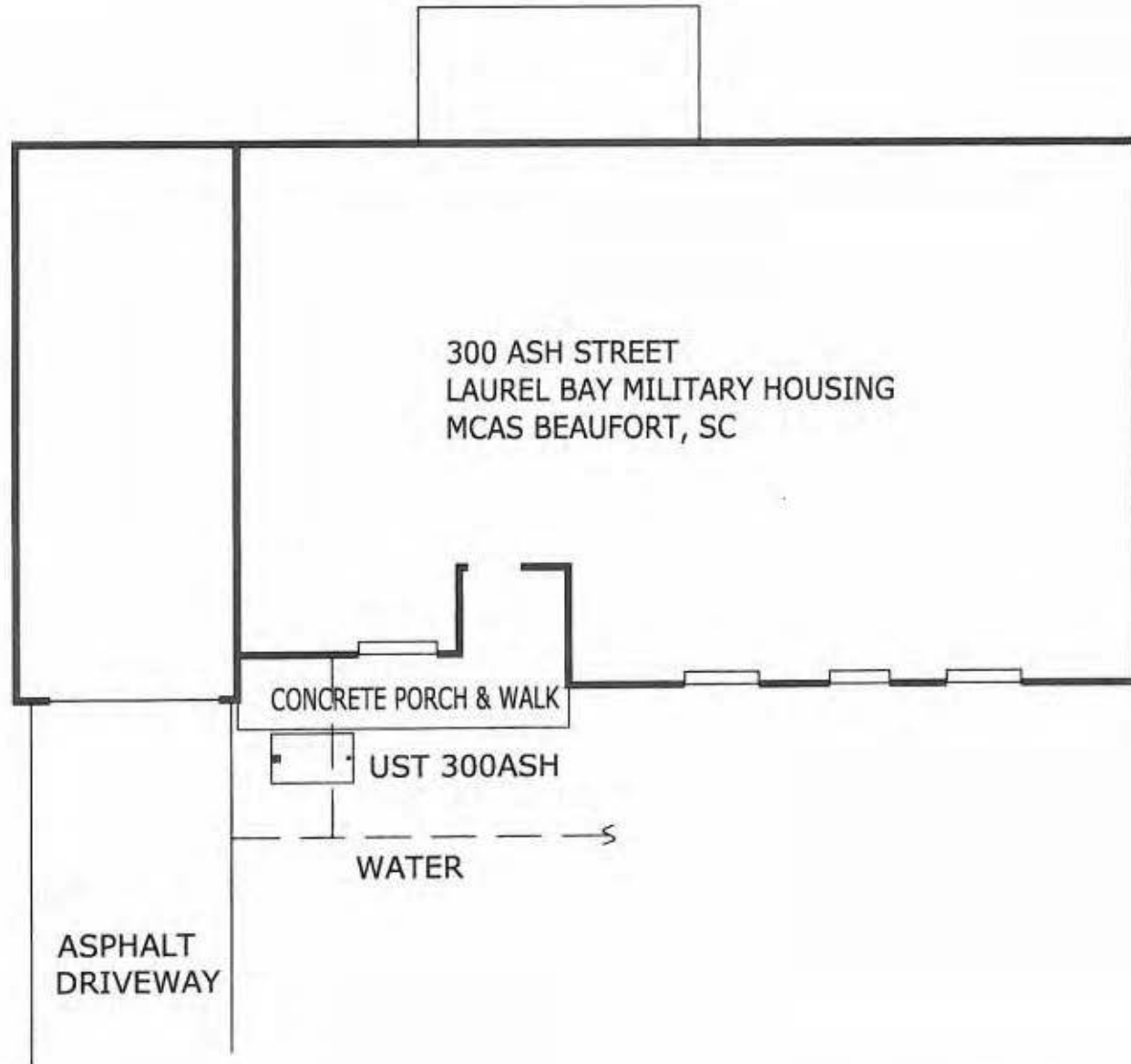
Broad River

**300 ASH ST.**



**SBG-EEG, Inc.**  
 Small Business Group, Inc.  
 10179 Hwy 78  
 Ladson, SC 29456  
 Ph. (843) 879-0400  
 Drawn By: L. DiAsio  
 Dwg Date: NOV 2009

**FIGURE 1: LOCATION MAP**  
**300 ASH STREET, LAUREL BAY**  
**MCAS BEAUFORT SC**



**SBG-EEG**  
10179 HWY 78  
LADSON, SC 29456

FIGURE 2 SITE MAP  
300 ASH STREET, LAUREL BAY  
MCAS BEAUFORT SC

ph. (843) 879-0400

SCALE: GRAPHIC

DWG DATE NOV 2009



300 ASH ST.

GARAGE

SOIL SAMPLE 300 ASH

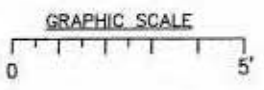
FILL END

EXCAVATION

ASPHALT DRIVE

GRASS

UST 300ASH,  
280 GAL.



UST 300ASH WAS  
36" BELOW GRADE.

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

FIGURE 3 UST SAMPLE LOCATIONS  
300 ASH STREET, LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC      DWG DATE NOV 2009





Picture 1: Location of UST 300Ash.



Picture 2: UST 300Ash removal in progress.

**XIV. SUMMARY OF ANALYSIS RESULTS**

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

<b>CoC</b>	<b>UST</b>	<b>300Ash</b>						
Benzene		ND						
Toluene		ND						
Ethylbenzene		0.0197 mg/kg						
Xylenes		0.00734 mg/kg						
Naphthalene		0.161 mg/kg						
Benzo (a) anthracene		0.302 mg/kg						
Benzo (b) fluoranthene		0.370 mg/kg						
Benzo (k) fluoranthene		0.264 mg/kg						
Chrysene		0.441 mg/kg						
Dibenz (a, h) anthracene		0.0886 mg/kg						
TPH (EPA 3550)								

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

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

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

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

## **XV. ANALYTICAL RESULTS**

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

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



October 23, 2009 1:42:55PM

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

Work Order: NSJ0814  
Project Name: Laurel Bay Housing Project  
Project Nbr: [none]  
P/O Nbr: 0829  
Date Received: 10/09/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1314 Albatross	NSJ0814-01	10/06/09 11:45
1331 Albatross	NSJ0814-02	10/06/09 16:30
300 Ash	NSJ0814-03	10/07/09 10:20
310 Ash	NSJ0814-04	10/07/09 16:00
313 Ash	NSJ0814-05	10/08/09 09:40
326 Ash	NSJ0814-06	10/08/09 15:25

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.

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: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-01 (1314 Albatross - Soil) Sampled: 10/06/09 11:45</b>									
<b>General Chemistry Parameters</b>									
% Dry Solids	92.4		%	0.500	1	10/21/09 13:25	SW-846	BJM	9103321
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>									
Benzene	ND		mg/kg dry	0.00233	1	10/17/09 00:40	SW846 8260B	SMS	9101555
Ethylbenzene	ND		mg/kg dry	0.00233	1	10/17/09 00:40	SW846 8260B	SMS	9101555
Naphthalene	ND		mg/kg dry	0.00583	1	10/17/09 00:40	SW846 8260B	SMS	9101555
Toluene	ND		mg/kg dry	0.00233	1	10/17/09 00:40	SW846 8260B	SMS	9101555
Xylenes, total	ND		mg/kg dry	0.00583	1	10/17/09 00:40	SW846 8260B	SMS	9101555
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>99 %</i>					<i>10/17/09 00:40</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>93 %</i>					<i>10/17/09 00:40</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>
<i>Surr: Toluene-d8 (76-129%)</i>	<i>100 %</i>					<i>10/17/09 00:40</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	<i>102 %</i>					<i>10/17/09 00:40</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-01 (1314 Albatross - Soil) - cont. Sampled: 10/06/09 11:45</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0236	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Acenaphthylene	ND		mg/kg dry	0.0236	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Anthracene	ND		mg/kg dry	0.0161	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Benzo (a) anthracene	ND		mg/kg dry	0.0140	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Benzo (a) pyrene	ND		mg/kg dry	0.0161	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Benzo (b) fluoranthene	ND		mg/kg dry	0.0183	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0150	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Benzo (k) fluoranthene	ND		mg/kg dry	0.0204	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Chrysene	ND		mg/kg dry	0.0161	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0150	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Fluoranthene	ND		mg/kg dry	0.0150	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Fluorene	ND		mg/kg dry	0.0140	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0129	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Naphthalene	ND		mg/kg dry	0.0215	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Phenanthrene	ND		mg/kg dry	0.0140	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Pyrene	ND		mg/kg dry	0.0129	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
1-Methylnaphthalene	ND		mg/kg dry	0.0183	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
2-Methylnaphthalene	ND		mg/kg dry	0.0193	0.0719	1	10/22/09 15:59	SW846 8270D	RMC	9102675
Surr: Terphenyl-d14 (18-120%)	63 %					1	10/22/09 15:59	SW846 8270D	RMC	9102675
Surr: 2-Fluorobiphenyl (14-120%)	44 %					1	10/22/09 13:59	SW846 8270D	RMC	9102675
Surr: Nitrobenzene-d5 (17-120%)	39 %					1	10/22/09 15:59	SW846 8270D	RMC	9102675

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-02 (1331 Albatross - Soil) Sampled: 10/06/09 16:30</b>									
<b>General Chemistry Parameters</b>									
% Dry Solids	95.3		%	0.500	1	10/21/09 13:25	SW-846	BJM	9103321
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>									
Benzene	ND		mg/kg dry	0.00212	1	10/17/09 01:10	SW846 8260B	SMS	9101555
Ethylbenzene	ND		mg/kg dry	0.00212	1	10/17/09 01:10	SW846 8260B	SMS	9101555
Naphthalene	ND		mg/kg dry	0.00531	1	10/17/09 01:10	SW846 8260B	SMS	9101555
Toluene	ND		mg/kg dry	0.00212	1	10/17/09 01:10	SW846 8260B	SMS	9101555
Xylenes, total	ND		mg/kg dry	0.00531	1	10/17/09 01:10	SW846 8260B	SMS	9101555
Surr: 1,2-Dichloroethane-d4 (67-138%)	109 %					10/17/09 01:10	SW846 8260B	SMS	9101555
Surr: Dibromofluoromethane (75-125%)	101 %					10/17/09 01:10	SW846 8260B	SMS	9101555
Surr: Toluene-d8 (76-129%)	101 %					10/17/09 01:10	SW846 8260B	SMS	9101555
Surr: 4-Bromofluorobenzene (67-147%)	104 %					10/17/09 01:10	SW846 8260B	SMS	9101555

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

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-02 (1331 Albatross - Soil) - cont. Sampled: 10/06/09 16:30</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0229	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Acenaphthylene	ND		mg/kg dry	0.0229	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Anthracene	ND		mg/kg dry	0.0156	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Benzo (a) anthracene	0.315		mg/kg dry	0.0135	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Benzo (a) pyrene	0.117		mg/kg dry	0.0156	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Benzo (b) fluoranthene	0.256		mg/kg dry	0.0177	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Benzo (g,h,i) perylene	0.0596	J	mg/kg dry	0.0145	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Benzo (k) fluoranthene	0.230		mg/kg dry	0.0197	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Chrysene	0.336		mg/kg dry	0.0156	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0145	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Fluoranthene	0.966		mg/kg dry	0.0145	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Fluorene	ND		mg/kg dry	0.0135	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Indeno (1,2,3-cd) pyrene	0.0665	J	mg/kg dry	0.0125	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Naphthalene	ND		mg/kg dry	0.0208	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Phenanthrene	ND		mg/kg dry	0.0135	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Pyrene	1.14		mg/kg dry	0.0125	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
1-Methylnaphthalene	ND		mg/kg dry	0.0177	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
2-Methylnaphthalene	ND		mg/kg dry	0.0187	0.0696	1	10/22/09 16:22	SW846 8270D	RMC	9102675
Surr: Terphenyl-d14 (18-120%)	57 %					1	10/22/09 16:22	SW846 8270D	RMC	9102675
Surr: 2-Fluorobiphenyl (14-120%)	45 %					1	10/22/09 16:22	SW846 8270D	RMC	9102675
Surr: Nitrobenzene-d5 (17-120%)	35 %					1	10/22/09 16:22	SW846 8270D	RMC	9102675

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
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Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-03 (300 Ash - Soil) Sampled: 10/07/09 10:20</b>									
General Chemistry Parameters									
% Dry Solids	79.0		%	0.500	1	10/21/09 13:25	SW-846	HJM	9103321
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		mg/kg dry	0.00193	1	10/18/09 20:19	SW846 8260B	SMS	9102868
Ethylbenzene	0.0197		mg/kg dry	0.00193	1	10/18/09 20:19	SW846 8260B	SMS	9102868
Naphthalene	0.161		mg/kg dry	0.00483	1	10/18/09 20:19	SW846 8260B	SMS	9102868
Toluene	ND		mg/kg dry	0.00193	1	10/18/09 20:19	SW846 8260B	SMS	9102868
Xylenes, total	0.00734		mg/kg dry	0.00483	1	10/18/09 20:19	SW846 8260B	SMS	9102868
Surr: 1,2-Dichloroethane-d4 (67-138%)	103 %					10/18/09 20:19	SW846 8260B	SMS	9102868
Surr: Dibromofluoromethane (75-125%)	102 %					10/18/09 20:19	SW846 8260B	SMS	9102868
Surr: Toluene-d8 (76-129%)	126 %					10/18/09 20:19	SW846 8260B	SMS	9102868
Surr: 4-Bromofluorobenzene (67-147%)	106 %					10/18/09 20:19	SW846 8260B	SMS	9102868

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-03 (300 Ash - Soil) - cont. Sampled: 10/07/09 10:20</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	0.252		mg/kg dry	0.0271	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Acenaphthylene	ND		mg/kg dry	0.0271	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Anthracene	ND		mg/kg dry	0.0185	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Benzo (a) anthracene	0.302		mg/kg dry	0.0160	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Benzo (a) pyrene	0.272		mg/kg dry	0.0185	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Benzo (b) fluoranthene	0.370		mg/kg dry	0.0209	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Benzo (g,h,i) perylene	0.308		mg/kg dry	0.0172	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Benzo (k) fluoranthene	0.264		mg/kg dry	0.0234	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Chrysene	0.441		mg/kg dry	0.0185	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Dibenz (a,h) anthracene	0.0886		mg/kg dry	0.0172	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Fluoranthene	0.435		mg/kg dry	0.0172	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Fluorene	0.772		mg/kg dry	0.0160	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Indeno (1,2,3-cd) pyrene	0.231		mg/kg dry	0.0148	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Naphthalene	0.429		mg/kg dry	0.0246	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Phenanthrene	1.34		mg/kg dry	0.0160	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Pyrene	0.867		mg/kg dry	0.0148	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
1-Methylnaphthalene	2.76		mg/kg dry	0.0209	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
2-Methylnaphthalene	3.56		mg/kg dry	0.0222	0.0825	1	10/22/09 16:44	SW846 8270D	RMC	9102675
Surr: Terphenyl-d14 (18-120%)	57 %					1	10/22/09 16:44	SW846 8270D	RMC	9102675
Surr: 2-Fluorobiphenyl (14-120%)	62 %					1	10/22/09 16:44	SW846 8270D	RMC	9102675
Surr: Nitrobenzene-d5 (17-120%)	41 %					1	10/22/09 16:44	SW846 8270D	RMC	9102675

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-04 (310 Ash - Soil) Sampled: 10/07/09 16:00</b>									
<b>General Chemistry Parameters</b>									
% Dry Solids	74.2		%	0.500	1	10/21/09 13:25	SW-846	BJM	9103321
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>									
Benzene	ND		mg/kg dry	0.00249	1	10/17/09 02:09	SW846 8260B	SMS	9101555
Ethylbenzene	ND		mg/kg dry	0.00249	1	10/17/09 02:09	SW846 8260B	SMS	9101555
Naphthalene	ND		mg/kg dry	0.00623	1	10/17/09 02:09	SW846 8260B	SMS	9101555
Toluene	ND		mg/kg dry	0.00249	1	10/17/09 02:09	SW846 8260B	SMS	9101555
Xylenes, total	ND		mg/kg dry	0.00623	1	10/17/09 02:09	SW846 8260B	SMS	9101555
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>99 %</i>					<i>10/17/09 02:09</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>90 %</i>					<i>10/17/09 02:09</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>
<i>Surr: Toluene-d8 (76-129%)</i>	<i>104 %</i>					<i>10/17/09 02:09</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	<i>110 %</i>					<i>10/17/09 02:09</i>	<i>SW846 8260B</i>	<i>SMS</i>	<i>9101555</i>



Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
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 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-04 (310 Ash - Soil) - cont. Sampled: 10/07/09 16:00</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0592	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Acenaphthylene	ND		mg/kg dry	0.0592	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Anthracene	0.910		mg/kg dry	0.0404	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Benzo (a) anthracene	3.63		mg/kg dry	0.0350	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Benzo (a) pyrene	1.37		mg/kg dry	0.0404	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Benzo (b) fluoranthene	1.99		mg/kg dry	0.0457	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Benzo (g,h,i) perylene	0.414		mg/kg dry	0.0377	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Benzo (k) fluoranthene	1.31		mg/kg dry	0.0511	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Chrysene	2.26		mg/kg dry	0.0404	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Dibenz (a,h) anthracene	0.265		mg/kg dry	0.0377	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Fluoranthene	11.6		mg/kg dry	0.0753	0.360	4	10/22/09 14:51	SW846 8270D	RMC	9102675
Fluorene	0.248		mg/kg dry	0.0350	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Indeno (1,2,3-cd) pyrene	0.463		mg/kg dry	0.0323	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Naphthalene	ND		mg/kg dry	0.0538	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Phenanthrene	0.465		mg/kg dry	0.0350	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Pyrene	8.03		mg/kg dry	0.0323	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
1-Methylnaphthalene	ND		mg/kg dry	0.0457	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
2-Methylnaphthalene	ND		mg/kg dry	0.0484	0.180	2	10/22/09 13:20	SW846 8270D	RMC	9102675
Surr: Terphenyl-d14 (18-120%)	101 %					2	10/22/09 13:20	SW846 8270D	RMC	9102675
Surr: 2-Fluorobiphenyl (14-120%)	79 %					2	10/22/09 13:20	SW846 8270D	RMC	9102675
Surr: Nitrobenzene-d5 (17-120%)	67 %					2	10/22/09 13:20	SW846 8270D	RMC	9102675

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-05 (313 Ash - Soil) Sampled: 10/08/09 09:40</b>									
<b>General Chemistry Parameters</b>									
% Dry Solids	80.7		%	0.500	1	10/21/09 13:25	SW-846	BJM	9103321
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>									
Benzene	ND		mg/kg dry	0.00213	1	10/18/09 20:49	SW846 8260B	SMS	9102868
Ethylbenzene	ND		mg/kg dry	0.0991	50	10/19/09 05:48	SW846 8260B	JJP	9102959
Naphthalene	ND		mg/kg dry	0.248	50	10/19/09 05:48	SW846 8260B	JJP	9102959
Toluene	ND		mg/kg dry	0.0991	50	10/19/09 05:48	SW846 8260B	JJP	9102959
Xylenes, total	ND		mg/kg dry	0.248	50	10/19/09 05:48	SW846 8260B	JJP	9102959
Surr: 1,2-Dichloroethane-d4 (67-138%)	119 %					10/18/09 20:49	SW846 8260B	SMS	9102868
Surr: 1,2-Dichloroethane-d4 (67-138%)	97 %					10/19/09 05:48	SW846 8260B	JJP	9102959
Surr: Dibromofluoromethane (75-125%)	113 %					10/18/09 20:49	SW846 8260B	SMS	9102868
Surr: Dibromofluoromethane (75-125%)	94 %					10/19/09 05:48	SW846 8260B	JJP	9102959
Surr: Toluene-d8 (76-129%)	118 %					10/18/09 20:49	SW846 8260B	SMS	9102868
Surr: Toluene-d8 (76-129%)	100 %					10/19/09 05:48	SW846 8260B	JJP	9102959
Surr: 4-Bromofluorobenzene (67-147%)	161 %	ZX				10/18/09 20:49	SW846 8260B	SMS	9102868
Surr: 4-Bromofluorobenzene (67-147%)	111 %					10/19/09 05:48	SW846 8260B	JJP	9102959

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-05 (313 Ash - Soil) - cont. Sampled: 10/08/09 09:40</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0270	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Acenaphthylene	ND		mg/kg dry	0.0270	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Anthracene	ND		mg/kg dry	0.0184	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Benzo (a) anthracene	0.883		mg/kg dry	0.0159	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Benzo (a) pyrene	0.916		mg/kg dry	0.0184	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Benzo (b) fluoranthene	1.38		mg/kg dry	0.0208	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Benzo (g,h,i) perylene	0.474		mg/kg dry	0.0172	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Benzo (k) fluoranthene	0.684		mg/kg dry	0.0233	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Chrysene	1.43		mg/kg dry	0.0184	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Dibenz (a,h) anthracene	0.273		mg/kg dry	0.0172	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Fluoranthene	1.37		mg/kg dry	0.0172	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Fluorene	ND		mg/kg dry	0.0159	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Indeno (1,2,3-cd) pyrene	0.480		mg/kg dry	0.0147	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Naphthalene	ND		mg/kg dry	0.0245	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Phenanthrene	1.01		mg/kg dry	0.0159	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Pyrene	1.99		mg/kg dry	0.0147	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
1-Methylnaphthalene	0.807		mg/kg dry	0.0208	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
2-Methylnaphthalene	0.820		mg/kg dry	0.0221	0.0821	1	10/22/09 17:07	SW846 8270D	RMC	9102675
Surr: Terphenyl-d14 (18-120%)	43 %					1	10/22/09 17:07	SW846 8270D	RMC	9102675
Surr: 2-Fluorobiphenyl (14-120%)	68 %					1	10/22/09 17:07	SW846 8270D	RMC	9102675
Surr: Nitrobenzene-d5 (17-120%)	45 %					1	10/22/09 17:07	SW846 8270D	RMC	9102675

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
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Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-06 (326 Ash - Soil) Sampled: 10/08/09 15:25</b>									
General Chemistry Parameters									
% Dry Solids	84.4		%	0.500	1	10/21/09 13:25	SW-846	BJM	9103321
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	1.78		mg/kg dry	0.109	50	10/19/09 00:48	SW846 8260B	SMS	9102868
Ethylbenzene	29.3		mg/kg dry	2.23	1000	10/19/09 01:18	SW846 8260B	SMS	9102868
Naphthalene	150		mg/kg dry	5.57	1000	10/19/09 01:18	SW846 8260B	SMS	9102868
Toluene	ND	RL1	mg/kg dry	0.109	50	10/19/09 00:48	SW846 8260B	SMS	9102868
Xylenes, total	69.9		mg/kg dry	5.57	1000	10/19/09 01:18	SW846 8260B	SMS	9102868
Surr: 1,2-Dichloroethane-d4 (67-138%)	89 %					10/19/09 00:48	SW846 8260B	SMS	9102868
Surr: 1,2-Dichloroethane-d4 (67-138%)	93 %					10/19/09 01:18	SW846 8260B	SMS	9102868
Surr: Dibromofluoromethane (75-125%)	92 %					10/19/09 00:48	SW846 8260B	SMS	9102868
Surr: Dibromofluoromethane (75-125%)	87 %					10/19/09 01:18	SW846 8260B	SMS	9102868
Surr: Toluene-d8 (76-129%)	103 %					10/19/09 00:48	SW846 8260B	SMS	9102868
Surr: Toluene-d8 (76-129%)	107 %					10/19/09 01:18	SW846 8260B	SMS	9102868
Surr: 4-Bromofluorobenzene (67-147%)	130 %					10/19/09 00:48	SW846 8260B	SMS	9102868
Surr: 4-Bromofluorobenzene (67-147%)	108 %					10/19/09 01:18	SW846 8260B	SMS	9102868

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NSJ0814-06 (326 Ash - Soil) - cont. Sampled: 10/08/09 15:25</b>										
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	2.57	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Acenaphthylene	ND		mg/kg dry	2.57	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Anthracene	6.15	J	mg/kg dry	1.75	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Benzo (a) anthracene	ND		mg/kg dry	1.52	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Benzo (a) pyrene	ND		mg/kg dry	1.75	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Benzo (b) fluoranthene	ND		mg/kg dry	1.99	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Benzo (g,h,i) perylene	ND		mg/kg dry	1.64	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Benzo (k) fluoranthene	ND		mg/kg dry	2.22	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Chrysene	ND		mg/kg dry	1.75	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Dibenz (a,h) anthracene	ND		mg/kg dry	1.64	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Fluoranthene	4.40	J	mg/kg dry	1.64	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Fluorene	31.8		mg/kg dry	1.52	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	1.40	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Naphthalene	82.8		mg/kg dry	2.34	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Phenanthrene	71.6		mg/kg dry	1.52	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Pyrene	7.91		mg/kg dry	1.40	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
1-Methylnaphthalene	220		mg/kg dry	1.99	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
2-Methylnaphthalene	375		mg/kg dry	2.10	7.83	20	10/22/09 14:06	SW846 8270D	RMC	9102675
Surr: Terphenyl-d14 (18-120%)	96 %					20	10/22/09 14:06	SW846 8270D	RMC	9102675
Surr: 2-Fluorobiphenyl (14-120%)	76 %					20	10/22/09 14:06	SW846 8270D	RMC	9102675
Surr: Nitrobenzene-d5 (17-120%)	554 %	ZX				20	10/22/09 14:06	SW846 8270D	RMC	9102675

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

### SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>							
SW846 8270D	9102675	NSJ0814-01	30.24	1.00	10/17/09 08:25	HLB	EPA 3550C
SW846 8270D	9102675	NSJ0814-02	30.30	1.00	10/17/09 08:25	HLB	EPA 3550C
SW846 8270D	9102675	NSJ0814-03	30.85	1.00	10/17/09 08:25	HLB	EPA 3550C
SW846 8270D	9102675	NSJ0814-04	30.06	1.00	10/17/09 08:25	HLB	EPA 3550C
SW846 8270D	9102675	NSJ0814-04RE1	30.06	1.00	10/17/09 08:25	HLB	EPA 3550C
SW846 8270D	9102675	NSJ0814-05	30.33	1.00	10/17/09 08:25	HLB	EPA 3550C
SW846 8270D	9102675	NSJ0814-06	30.42	5.00	10/17/09 08:25	HLB	EPA 3550C
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>							
SW846 8260B	9101555	NSJ0814-01	4.64	5.00	10/06/09 11:45	CHH	EPA 5035
SW846 8260B	9101555	NSJ0814-02	4.94	5.00	10/06/09 16:30	CHH	EPA 5035
SW846 8260B	9101555	NSJ0814-03	6.27	5.00	10/07/09 10:20	CHH	EPA 5035
SW846 8260B	9102868	NSJ0814-03RE1	6.55	5.00	10/07/09 10:20	CHH	EPA 5035
SW846 8260B	9101555	NSJ0814-04	5.41	5.00	10/07/09 16:00	CHH	EPA 5035
SW846 8260B	9101555	NSJ0814-05	6.14	5.00	10/08/09 09:40	CHH	EPA 5035
SW846 8260B	9102868	NSJ0814-05RE1	5.83	5.00	10/08/09 09:40	CHH	EPA 5035
SW846 8260B	9102959	NSJ0814-05RE2	6.25	5.00	10/08/09 09:40	CHH	EPA 5035
SW846 8260B	9101555	NSJ0814-06	5.66	5.00	10/08/09 15:25	CHH	EPA 5035
SW846 8260B	9102868	NSJ0814-06RE1	5.46	5.00	10/08/09 15:25	CHH	EPA 5035
SW846 8260B	9102868	NSJ0814-06RE2	5.32	5.00	10/08/09 15:25	CHH	EPA 5035

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>						
<b>9101555-BLK1</b>						
Benzene	<0.000670		mg/kg wet	9101555	9101555-BLK1	10/17/09 00:10
Ethylbenzene	<0.000670		mg/kg wet	9101555	9101555-BLK1	10/17/09 00:10
Naphthalene	<0.00170		mg/kg wet	9101555	9101555-BLK1	10/17/09 00:10
Toluene	<0.000400		mg/kg wet	9101555	9101555-BLK1	10/17/09 00:10
Xylenes, total	<0.00130		mg/kg wet	9101555	9101555-BLK1	10/17/09 00:10
Surrogate: 1,2-Dichloroethane-d4	98%			9101555	9101555-BLK1	10/17/09 00:10
Surrogate: Dibromofluoromethane	95%			9101555	9101555-BLK1	10/17/09 00:10
Surrogate: Toluene-d8	100%			9101555	9101555-BLK1	10/17/09 00:10
Surrogate: 4-Bromofluorobenzene	102%			9101555	9101555-BLK1	10/17/09 00:10
<b>9102868-BLK1</b>						
Benzene	<0.000670		mg/kg wet	9102868	9102868-BLK1	10/18/09 18:19
Ethylbenzene	<0.000670		mg/kg wet	9102868	9102868-BLK1	10/18/09 18:19
Naphthalene	<0.00170		mg/kg wet	9102868	9102868-BLK1	10/18/09 18:19
Toluene	<0.000400		mg/kg wet	9102868	9102868-BLK1	10/18/09 18:19
Xylenes, total	<0.00130		mg/kg wet	9102868	9102868-BLK1	10/18/09 18:19
Surrogate: 1,2-Dichloroethane-d4	96%			9102868	9102868-BLK1	10/18/09 18:19
Surrogate: Dibromofluoromethane	98%			9102868	9102868-BLK1	10/18/09 18:19
Surrogate: Toluene-d8	100%			9102868	9102868-BLK1	10/18/09 18:19
Surrogate: 4-Bromofluorobenzene	96%			9102868	9102868-BLK1	10/18/09 18:19
<b>9102959-BLK1</b>						
Benzene	<0.0335		mg/kg wet	9102959	9102959-BLK1	10/19/09 03:58
Ethylbenzene	<0.0335		mg/kg wet	9102959	9102959-BLK1	10/19/09 03:58
Naphthalene	<0.0850		mg/kg wet	9102959	9102959-BLK1	10/19/09 03:58
Toluene	<0.0200		mg/kg wet	9102959	9102959-BLK1	10/19/09 03:58
Xylenes, total	<0.0650		mg/kg wet	9102959	9102959-BLK1	10/19/09 03:58
Surrogate: 1,2-Dichloroethane-d4	102%			9102959	9102959-BLK1	10/19/09 03:58
Surrogate: Dibromofluoromethane	98%			9102959	9102959-BLK1	10/19/09 03:58
Surrogate: Toluene-d8	101%			9102959	9102959-BLK1	10/19/09 03:58
Surrogate: 4-Bromofluorobenzene	106%			9102959	9102959-BLK1	10/19/09 03:58
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>						
<b>9102675-BLK1</b>						
Acenaphthene	<0.0220		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Acenaphthylene	<0.0220		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Anthracene	<0.0150		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Benzo (a) anthracene	<0.0130		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Benzo (a) pyrene	<0.0150		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Benzo (b) fluoranthene	<0.0170		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Benzo (g,h,i) perylene	<0.0140		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Benzo (k) fluoranthene	<0.0190		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12



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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank - Cont.**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>						
<b>9102675-BLK1</b>						
Chrysene	-0.0150		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Dibenz (a,h) anthracene	-0.0140		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Fluoranthene	-0.0140		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Fluorene	-0.0130		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Indeno (1,2,3-cd) pyrene	-0.0120		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Naphthalene	-0.0200		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Phenanthrene	-0.0130		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Pyrene	-0.0120		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
1-Methylnaphthalene	-0.0170		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
2-Methylnaphthalene	-0.0180		mg/kg wet	9102675	9102675-BLK1	10/22/09 12:12
Surrogate: Terphenyl-d14	76%			9102675	9102675-BLK1	10/22/09 12:12
Surrogate: 2-Fluorobiphenyl	60%			9102675	9102675-BLK1	10/22/09 12:12
Surrogate: Nitrobenzene-d5	52%			9102675	9102675-BLK1	10/22/09 12:12

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

Work Order: NSJ0814  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 10/09/09 08:00

### PROJECT QUALITY CONTROL DATA

#### Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>9103321-DUP1</b>										
% Dry Solids	92.4	92.5		%	0.1	20	9103321	NSJ0814-01		10/21/09 13:25

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>								
<b>9101555-BS1</b>								
Benzene	50.0	47.2		ug/kg	94%	78 - 126	9101555	10/16/09 22:10
Ethylbenzene	50.0	45.4		ug/kg	91%	79 - 130	9101555	10/16/09 22:10
Naphthalene	50.0	48.5		ug/kg	97%	72 - 150	9101555	10/16/09 22:10
Toluene	50.0	46.7		ug/kg	93%	76 - 126	9101555	10/16/09 22:10
Xylenes, total	150	133		ug/kg	89%	80 - 130	9101555	10/16/09 22:10
Surrogate: 1,2-Dichloroethane-d4	50.0	48.2			96%	67 - 138	9101555	10/16/09 22:10
Surrogate: Dibromofluoromethane	50.0	49.8			100%	75 - 125	9101555	10/16/09 22:10
Surrogate: Toluene-d8	50.0	51.3			103%	76 - 129	9101555	10/16/09 22:10
Surrogate: 4-Bromofluorobenzene	50.0	48.8			98%	67 - 147	9101555	10/16/09 22:10
<b>9102868-BS1</b>								
Benzene	50.0	48.1		ug/kg	96%	78 - 126	9102868	10/18/09 16:10
Ethylbenzene	50.0	47.3		ug/kg	95%	79 - 130	9102868	10/18/09 16:10
Naphthalene	50.0	49.5		ug/kg	99%	72 - 150	9102868	10/18/09 16:10
Toluene	50.0	47.7		ug/kg	95%	76 - 126	9102868	10/18/09 16:10
Xylenes, total	150	138		ug/kg	92%	80 - 130	9102868	10/18/09 16:10
Surrogate: 1,2-Dichloroethane-d4	50.0	47.5			95%	67 - 138	9102868	10/18/09 16:10
Surrogate: Dibromofluoromethane	50.0	50.4			101%	75 - 125	9102868	10/18/09 16:10
Surrogate: Toluene-d8	50.0	51.0			102%	76 - 129	9102868	10/18/09 16:10
Surrogate: 4-Bromofluorobenzene	50.0	48.3			97%	67 - 147	9102868	10/18/09 16:10
<b>9102959-BS1</b>								
Benzene	50.0	53.0		ug/kg	106%	78 - 126	9102959	10/19/09 01:41
Ethylbenzene	50.0	57.1		ug/kg	114%	79 - 130	9102959	10/19/09 01:41
Naphthalene	50.0	57.6		ug/kg	115%	72 - 150	9102959	10/19/09 01:41
Toluene	50.0	54.8		ug/kg	110%	76 - 126	9102959	10/19/09 01:41
Xylenes, total	150	170		ug/kg	114%	80 - 130	9102959	10/19/09 01:41
Surrogate: 1,2-Dichloroethane-d4	25.0	23.6			94%	67 - 138	9102959	10/19/09 01:41
Surrogate: Dibromofluoromethane	25.0	24.9			100%	75 - 125	9102959	10/19/09 01:41
Surrogate: Toluene-d8	25.0	25.9			104%	76 - 129	9102959	10/19/09 01:41
Surrogate: 4-Bromofluorobenzene	25.0	26.4			106%	67 - 147	9102959	10/19/09 01:41
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>								
<b>9102675-BS1</b>								
Acenaphthene	1.67	1.04		mg/kg wet	63%	49 - 120	9102675	10/22/09 13:43
Acenaphthylene	1.67	1.03		mg/kg wet	62%	52 - 120	9102675	10/22/09 13:43
Anthracene	1.67	1.26		mg/kg wet	76%	58 - 120	9102675	10/22/09 13:43
Benzo (a) anthracene	1.67	1.14		mg/kg wet	68%	57 - 120	9102675	10/22/09 13:43
Benzo (a) pyrene	1.67	1.15		mg/kg wet	69%	55 - 120	9102675	10/22/09 13:43
Benzo (b) fluoranthene	1.67	1.20		mg/kg wet	72%	51 - 123	9102675	10/22/09 13:43
Benzo (g,h,i) perylene	1.67	1.19		mg/kg wet	71%	49 - 121	9102675	10/22/09 13:43
Benzo (k) fluoranthene	1.67	1.03		mg/kg wet	62%	42 - 129	9102675	10/22/09 13:43

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS - Cont.**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>								
<b>9102675-BS1</b>								
Chrysene	1.67	1.14		mg/kg wet	69%	55 - 120	9102675	10/22/09 13:43
Dibenz (a,h) anthracene	1.67	1.17		mg/kg wet	70%	50 - 123	9102675	10/22/09 13:43
Fluoranthene	1.67	1.19		mg/kg wet	72%	58 - 120	9102675	10/22/09 13:43
Fluorene	1.67	1.09		mg/kg wet	66%	54 - 120	9102675	10/22/09 13:43
Indeno (1,2,3-cd) pyrene	1.67	1.18		mg/kg wet	70%	50 - 122	9102675	10/22/09 13:43
Naphthalene	1.67	0.896		mg/kg wet	54%	28 - 120	9102675	10/22/09 13:43
Phenanthrene	1.67	1.13		mg/kg wet	68%	56 - 120	9102675	10/22/09 13:43
Pyrene	1.67	1.14		mg/kg wet	69%	56 - 120	9102675	10/22/09 13:43
1-Methylnaphthalene	1.67	0.958		mg/kg wet	57%	36 - 120	9102675	10/22/09 13:43
2-Methylnaphthalene	1.67	1.01		mg/kg wet	61%	36 - 120	9102675	10/22/09 13:43
<i>Surrogate: Terphenyl-d14</i>	1.67	1.10			66%	18 - 120	9102675	10/22/09 13:43
<i>Surrogate: 2-Fluorobiphenyl</i>	1.67	0.880			53%	14 - 120	9102675	10/22/09 13:43
<i>Surrogate: Nitrobenzene-d5</i>	1.67	0.682			41%	17 - 120	9102675	10/22/09 13:43

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 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
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>												
<b>9101555-BSD1</b>												
Benzene		47.1		ug/kg	50.0	94%	78 - 126	0.4	50	9101555		10/16/09 22:40
Ethylbenzene		45.0		ug/kg	50.0	90%	79 - 130	0.8	50	9101555		10/16/09 22:40
Naphthalene		49.0		ug/kg	50.0	98%	72 - 150	1	50	9101555		10/16/09 22:40
Toluene		45.9		ug/kg	50.0	92%	76 - 126	2	50	9101555		10/16/09 22:40
Xylenes, total		133		ug/kg	150	89%	80 - 130	0.2	50	9101555		10/16/09 22:40
Surrogate: 1,2-Dichloroethane-d4		47.9		ug/kg	50.0	96%	67 - 138			9101555		10/16/09 22:40
Surrogate: Dibromofluoromethane		49.7		ug/kg	50.0	99%	75 - 125			9101555		10/16/09 22:40
Surrogate: Toluene-d8		50.8		ug/kg	50.0	102%	76 - 129			9101555		10/16/09 22:40
Surrogate: 4-Bromofluorobenzene		47.8		ug/kg	50.0	96%	67 - 147			9101555		10/16/09 22:40
<b>9102868-BSD1</b>												
Benzene		48.4		ug/kg	50.0	97%	78 - 126	0.7	50	9102868		10/18/09 16:42
Ethylbenzene		47.8		ug/kg	50.0	96%	79 - 130	1	50	9102868		10/18/09 16:42
Naphthalene		54.4		ug/kg	50.0	109%	72 - 150	9	50	9102868		10/18/09 16:42
Toluene		48.5		ug/kg	50.0	97%	76 - 126	2	50	9102868		10/18/09 16:42
Xylenes, total		140		ug/kg	150	94%	80 - 130	2	50	9102868		10/18/09 16:42
Surrogate: 1,2-Dichloroethane-d4		49.1		ug/kg	50.0	98%	67 - 138			9102868		10/18/09 16:42
Surrogate: Dibromofluoromethane		50.9		ug/kg	50.0	102%	75 - 125			9102868		10/18/09 16:42
Surrogate: Toluene-d8		50.8		ug/kg	50.0	102%	76 - 129			9102868		10/18/09 16:42
Surrogate: 4-Bromofluorobenzene		48.8		ug/kg	50.0	98%	67 - 147			9102868		10/18/09 16:42
<b>9102959-BSD1</b>												
Benzene		53.5		ug/kg	50.0	107%	78 - 126	0.8	50	9102959		10/19/09 02:09
Ethylbenzene		58.1		ug/kg	50.0	116%	79 - 130	2	50	9102959		10/19/09 02:09
Naphthalene		58.8		ug/kg	50.0	118%	72 - 150	2	50	9102959		10/19/09 02:09
Toluene		55.7		ug/kg	50.0	111%	76 - 126	2	50	9102959		10/19/09 02:09
Xylenes, total		173		ug/kg	150	115%	80 - 130	2	50	9102959		10/19/09 02:09
Surrogate: 1,2-Dichloroethane-d4		23.8		ug/kg	25.0	95%	67 - 138			9102959		10/19/09 02:09
Surrogate: Dibromofluoromethane		24.4		ug/kg	25.0	98%	75 - 125			9102959		10/19/09 02:09
Surrogate: Toluene-d8		25.9		ug/kg	25.0	104%	76 - 129			9102959		10/19/09 02:09
Surrogate: 4-Bromofluorobenzene		26.1		ug/kg	25.0	104%	67 - 147			9102959		10/19/09 02:09

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 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
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>										
<b>9102868-MS1</b>										
Benzene	ND	2.03		mg/kg wet	2.04	99%	42 - 141	9102868	NSJ0957-04RE 2	10/19/09 01:48
Ethylbenzene	ND	2.00		mg/kg wet	2.04	98%	21 - 165	9102868	NSJ0957-04RE 2	10/19/09 01:48
Naphthalene	ND	2.23		mg/kg wet	2.04	109%	10 - 160	9102868	NSJ0957-04RE 2	10/19/09 01:48
Toluene	ND	2.06		mg/kg wet	2.04	101%	45 - 145	9102868	NSJ0957-04RE 2	10/19/09 01:48
Xylenes, total	ND	5.74		mg/kg wet	6.12	94%	31 - 159	9102868	NSJ0957-04RE 2	10/19/09 01:48
<i>Surrogate: 1,2-Dichloroethane-d4</i>		47.6		ug/kg	50.0	95%	67 - 138	9102868	NSJ0957-04RE 2	10/19/09 01:48
<i>Surrogate: Dibromofluoromethane</i>		48.7		ug/kg	50.0	97%	75 - 125	9102868	NSJ0957-04RE 2	10/19/09 01:48
<i>Surrogate: Toluene-d8</i>		51.1		ug/kg	50.0	102%	76 - 129	9102868	NSJ0957-04RE 2	10/19/09 01:48
<i>Surrogate: 4-Bromofluorobenzene</i>		50.1		ug/kg	50.0	100%	67 - 147	9102868	NSJ0957-04RE 2	10/19/09 01:48
<b>9102959-MS1</b>										
Benzene	ND	3.65		mg/kg dry	3.10	118%	42 - 141	9102959	NSJ0814-05RE 2	10/20/09 15:25
Ethylbenzene	ND	3.87		mg/kg dry	3.10	125%	21 - 165	9102959	NSJ0814-05RE 2	10/20/09 15:25
Naphthalene	ND	3.74		mg/kg dry	3.10	121%	10 - 160	9102959	NSJ0814-05RE 2	10/20/09 15:25
Toluene	0.0416	3.75		mg/kg dry	3.10	120%	45 - 145	9102959	NSJ0814-05RE 2	10/20/09 15:25
Xylenes, total	ND	11.5		mg/kg dry	9.29	124%	31 - 159	9102959	NSJ0814-05RE 2	10/20/09 15:25
<i>Surrogate: 1,2-Dichloroethane-d4</i>		24.4		ug/kg	25.0	97%	67 - 138	9102959	NSJ0814-05RE 2	10/20/09 15:25
<i>Surrogate: Dibromofluoromethane</i>		24.5		ug/kg	25.0	98%	75 - 125	9102959	NSJ0814-05RE 2	10/20/09 15:25
<i>Surrogate: Toluene-d8</i>		25.1		ug/kg	25.0	100%	76 - 129	9102959	NSJ0814-05RE 2	10/20/09 15:25
<i>Surrogate: 4-Bromofluorobenzene</i>		28.3		ug/kg	25.0	113%	67 - 147	9102959	NSJ0814-05RE 2	10/20/09 15:25
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>										
<b>9102675-MS1</b>										
Acenaphthene	ND	1.32		mg/kg wet	1.65	80%	42 - 120	9102675	NSJ1359-01	10/22/09 15:14
Acenaphthylene	ND	1.27		mg/kg wet	1.65	77%	32 - 120	9102675	NSJ1359-01	10/22/09 15:14
Anthracene	ND	1.48		mg/kg wet	1.65	90%	10 - 200	9102675	NSJ1359-01	10/22/09 15:14
Benzo (a) anthracene	ND	1.45		mg/kg wet	1.65	88%	41 - 120	9102675	NSJ1359-01	10/22/09 15:14
Benzo (a) pyrene	ND	1.42		mg/kg wet	1.65	86%	33 - 121	9102675	NSJ1359-01	10/22/09 15:14
Benzo (b) fluoranthene	ND	1.55		mg/kg wet	1.65	94%	26 - 137	9102675	NSJ1359-01	10/22/09 15:14

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 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
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>										
<b>9102675-MS1</b>										
Benzo (g,h,i) perylene	ND	1.59		mg/kg wet	1.65	96%	21 - 124	9102675	NSJ1359-01	10/22/09 15:14
Benzo (k) fluoranthene	ND	1.45		mg/kg wet	1.65	88%	14 - 140	9102675	NSJ1359-01	10/22/09 15:14
Chrysene	0.0365	1.49		mg/kg wet	1.65	88%	28 - 123	9102675	NSJ1359-01	10/22/09 15:14
Dibenz (a,h) anthracene	ND	1.50		mg/kg wet	1.65	91%	25 - 127	9102675	NSJ1359-01	10/22/09 15:14
Fluoranthene	0.0608	1.66		mg/kg wet	1.65	97%	38 - 120	9102675	NSJ1359-01	10/22/09 15:14
Fluorene	ND	1.35		mg/kg wet	1.65	82%	41 - 120	9102675	NSJ1359-01	10/22/09 15:14
Indeno (1,2,3-cd) pyrene	ND	1.54		mg/kg wet	1.65	94%	25 - 123	9102675	NSJ1359-01	10/22/09 15:14
Naphthalene	ND	1.09		mg/kg wet	1.65	66%	25 - 120	9102675	NSJ1359-01	10/22/09 15:14
Phenanthrene	ND	1.49		mg/kg wet	1.65	90%	37 - 120	9102675	NSJ1359-01	10/22/09 15:14
Pyrene	0.0657	1.61		mg/kg wet	1.65	94%	29 - 125	9102675	NSJ1359-01	10/22/09 15:14
1-Methylnaphthalene	ND	1.14		mg/kg wet	1.65	69%	19 - 120	9102675	NSJ1359-01	10/22/09 15:14
2-Methylnaphthalene	ND	1.23		mg/kg wet	1.65	75%	11 - 120	9102675	NSJ1359-01	10/22/09 15:14
Surrogate: Terphenyl-d14		1.38		mg/kg wet	1.65	84%	18 - 120	9102675	NSJ1359-01	10/22/09 15:14
Surrogate: 2-Fluorobiphenyl		1.18		mg/kg wet	1.65	72%	14 - 120	9102675	NSJ1359-01	10/22/09 15:14
Surrogate: Nitrobenzene-d5		0.840		mg/kg wet	1.65	51%	17 - 120	9102675	NSJ1359-01	10/22/09 15:14



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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 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
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>												
<b>9102868-MSD1</b>												
Benzene	ND	1.88		mg/kg wet	2.04	92%	42 - 141	8	50	9102868	NSJ0957-04RE 2	10/19/09 02:18
Ethylbenzene	ND	1.80		mg/kg wet	2.04	88%	21 - 165	11	50	9102868	NSJ0957-04RE 2	10/19/09 02:18
Naphthalene	ND	1.95		mg/kg wet	2.04	96%	10 - 160	14	50	9102868	NSJ0957-04RE 2	10/19/09 02:18
Toluene	ND	1.85		mg/kg wet	2.04	91%	45 - 145	11	50	9102868	NSJ0957-04RE 2	10/19/09 02:18
Xylenes, total	ND	5.20		mg/kg wet	6.12	85%	31 - 159	10	50	9102868	NSJ0957-04RE 2	10/19/09 02:18
Surrogate: 1,2-Dichloroethane-d4		47.6		ug/kg	50.0	95%	67 - 138			9102868	NSJ0957-04RE 2	10/19/09 02:18
Surrogate: Dibromofluoromethane		48.4		ug/kg	50.0	97%	75 - 125			9102868	NSJ0957-04RE 2	10/19/09 02:18
Surrogate: Toluene-d8		50.3		ug/kg	50.0	101%	76 - 129			9102868	NSJ0957-04RE 2	10/19/09 02:18
Surrogate: 4-Bromofluorobenzene		49.5		ug/kg	50.0	99%	67 - 147			9102868	NSJ0957-04RE 2	10/19/09 02:18
<b>9102959-MSD1</b>												
Benzene	ND	3.59		mg/kg dry	3.10	116%	42 - 141	2	50	9102959	NSJ0814-05RE 2	10/20/09 15:53
Ethylbenzene	ND	3.69		mg/kg dry	3.10	119%	21 - 165	5	50	9102959	NSJ0814-05RE 2	10/20/09 15:53
Naphthalene	ND	3.94		mg/kg dry	3.10	127%	10 - 160	5	50	9102959	NSJ0814-05RE 2	10/20/09 15:53
Toluene	0.0416	3.63		mg/kg dry	3.10	116%	45 - 145	3	50	9102959	NSJ0814-05RE 2	10/20/09 15:53
Xylenes, total	ND	10.9		mg/kg dry	9.29	117%	31 - 159	6	50	9102959	NSJ0814-05RE 2	10/20/09 15:53
Surrogate: 1,2-Dichloroethane-d4		22.5		ug/kg	25.0	90%	67 - 138			9102959	NSJ0814-05RE 2	10/20/09 15:53
Surrogate: Dibromofluoromethane		24.3		ug/kg	25.0	97%	75 - 125			9102959	NSJ0814-05RE 2	10/20/09 15:53
Surrogate: Toluene-d8		25.2		ug/kg	25.0	101%	76 - 129			9102959	NSJ0814-05RE 2	10/20/09 15:53
Surrogate: 4-Bromofluorobenzene		29.2		ug/kg	25.0	117%	67 - 147			9102959	NSJ0814-05RE 2	10/20/09 15:53
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>												
<b>9102675-MSD1</b>												
Acenaphthene	ND	1.10		mg/kg wet	1.65	67%	42 - 120	18	40	9102675	NSJ1359-01	10/22/09 15:36
Acenaphthylene	ND	1.07		mg/kg wet	1.65	65%	32 - 120	17	30	9102675	NSJ1359-01	10/22/09 15:36
Anthracene	ND	1.22		mg/kg wet	1.65	74%	10 - 200	19	50	9102675	NSJ1359-01	10/22/09 15:36
Benzo (a) anthracene	ND	1.22		mg/kg wet	1.65	74%	41 - 120	17	30	9102675	NSJ1359-01	10/22/09 15:36
Benzo (a) pyrene	ND	1.22		mg/kg wet	1.65	74%	33 - 121	15	33	9102675	NSJ1359-01	10/22/09 15:36
Benzo (b) fluoranthene	ND	1.43		mg/kg wet	1.65	87%	26 - 137	8	42	9102675	NSJ1359-01	10/22/09 15:36
Benzo (g,h,i) perylene	ND	1.35		mg/kg wet	1.65	82%	21 - 124	16	32	9102675	NSJ1359-01	10/22/09 15:36
Benzo (k) fluoranthene	ND	1.09		mg/kg wet	1.65	66%	14 - 140	29	39	9102675	NSJ1359-01	10/22/09 15:36

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

Work Order: NSJ0814  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/09/09 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
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>												
<b>9102675-MSD1</b>												
Chrysene	0.0365	1.26		mg/kg wet	1.65	74%	28 - 123	17	34	9102675	NSJ1359-01	10/22/09 15:36
Dibenz (a,h) anthracene	ND	1.26		mg/kg wet	1.65	76%	25 - 127	18	31	9102675	NSJ1359-01	10/22/09 15:36
Fluoranthene	0.0608	1.40		mg/kg wet	1.65	81%	38 - 120	17	35	9102675	NSJ1359-01	10/22/09 15:36
Fluorene	ND	1.17		mg/kg wet	1.65	71%	41 - 120	15	37	9102675	NSJ1359-01	10/22/09 15:36
Indeno (1,2,3-cd) pyrene	ND	1.30		mg/kg wet	1.65	79%	25 - 123	17	32	9102675	NSJ1359-01	10/22/09 15:36
Naphthalene	ND	0.922		mg/kg wet	1.65	56%	25 - 120	17	42	9102675	NSJ1359-01	10/22/09 15:36
Phenanthrene	ND	1.23		mg/kg wet	1.65	75%	37 - 120	19	32	9102675	NSJ1359-01	10/22/09 15:36
Pyrene	0.0657	1.39		mg/kg wet	1.65	80%	29 - 125	15	40	9102675	NSJ1359-01	10/22/09 15:36
1-Methylnaphthalene	ND	0.959		mg/kg wet	1.65	58%	19 - 120	17	45	9102675	NSJ1359-01	10/22/09 15:36
2-Methylnaphthalene	ND	1.03		mg/kg wet	1.65	63%	11 - 120	18	50	9102675	NSJ1359-01	10/22/09 15:36
Surrogate: Terphenyl-d14		1.19		mg/kg wet	1.65	73%	18 - 120			9102675	NSJ1359-01	10/22/09 15:36
Surrogate: 2-Fluorobiphenyl		0.971		mg/kg wet	1.65	59%	14 - 120			9102675	NSJ1359-01	10/22/09 15:36
Surrogate: Nitrobenzene-d5		0.694		mg/kg wet	1.65	42%	17 - 120			9102675	NSJ1359-01	10/22/09 15:36

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

Work Order: NSJ0814  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 10/09/09 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: NSJ0814  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 10/09/09 08:00

## DATA QUALIFIERS AND DEFINITIONS

- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- RL1** Reporting limit raised due to sample matrix effects.
- 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



ATTACHMENT A





# NON-HAZARDOUS MANIFEST

CWM

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

<b>NON-HAZARDOUS MANIFEST</b>		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1			
3. Generator's Name and Mailing Address <b>MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904</b>						A. Manifest Number <b>WMNA 19835410</b>			
4. Generator's Phone <b>843 228-8480</b>						B. State Generator's ID			
5. Transporter 1 Company Name <b>EEG, Inc.</b>			6. US EPA ID Number			C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone <b>843 678-0411</b>			
9. Designated Facility Name and Site Address <b>HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29006</b>			10. US EPA ID Number			E. State Transporter's ID			
						F. Transporter's Phone			
						G. State Facility's ID			
						H. Facility's Phone <b>843 987-4843</b>			
11. Description of Waste Materials						12. Containers No.	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Heating Oil Tank filled with Sand						001	7.28	TN	
WM Profile # 1026558C									
b. WM Profile #									
c. WM Profile #									
WM Profile #									
J. Additional Descriptions for Materials Listed Above						K. Disposal Location			
Landfill _____ Solidification _____						Cell _____ Level _____			
Bio Remediation _____						Grid _____			
15. Special Handling Instructions and Additional Information									
(ARA USE) - from: 3) 1331 Albatross 4) 300 Ash 5) 343 Ash-1 Purchase Order # 1339 Albatross 6) 349 Ash 1344 Albatross EMERGENCY CONTACT:									
16. GENERATOR'S CERTIFICATION:									
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.									
Printed/Typed Name <i>W.B. Jones, Jr.</i>				Signature "On behalf of"				Month Day Year <i>11/2/01</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name <i>Joseph Weston</i>				Signature <i>Joseph Weston</i>				Month Day Year <i>11/2/01</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Certificate of Final Treatment/Disposal									
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.									
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.									
Printed/Typed Name <i>Jan Collins</i>				Signature <i>Jan Collins</i>				Month Day Year <i>11/2/01</i>	



**Appendix C**  
**Laboratory Analytical Report - Groundwater**

# Volatile Organic Compounds by GC/MS

Client: <b>AECOM - Resolution Consultants</b>	Laboratory ID: <b>QE29035-011</b>
Description: <b>BEALB300TW01WG20150528</b>	Matrix: <b>Aqueous</b>
Date Sampled: <b>05/28/2015 1345</b>	
Date Received: <b>05/29/2015</b>	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/02/2015 1848	EH1		76315

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		97	75-120
1,2-Dichloroethane-d4		88	70-120
Toluene-d8		101	85-120
Dibromofluoromethane		99	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

# Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**

Laboratory ID: **QE29035-011**

Description: **BEALB300TW01WG20150528**

Matrix: **Aqueous**

Date Sampled: **05/28/2015 1345**

Date Received: **05/29/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/02/2015 2248	RBH	06/01/2015 1430	76221

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		67	15-139
Fluoranthene-d10		83	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,

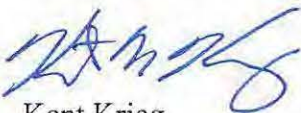
The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tank Assessment Reports for the addresses listed above. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina 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](mailto: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](mailto: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	