

SUMMARY REPORT
581 WEST CARDINAL LANE (FORMERLY 1454 WEST CARDINAL LANE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



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

JUNE 2021

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Prepared by:



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

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

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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 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

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

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

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

1.2 UST Removal and Assessment Process

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

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

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

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

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

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1454 Cardinal Lane* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – February 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 August 6, 2009, a single 280 gallon heating oil UST was removed from the back yard adjacent to the car port at 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed, cleaned, and shipped offsite for recycling. There was no visual

evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 5'11" 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 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated April 1, 2014, SCDHEC requested an IGWA for 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On February 3, 2015, a temporary monitoring well was installed at 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – February 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 – February 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 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 581 West Cardinal Lane (Formerly 1454 West Cardinal Lane). This NFA determination was obtained in a letter dated May 15, 2015. 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 – 1454 Cardinal Lane, Laurel Bay Military Housing Area*, November 2009.

Resolution Consultants, 2015. *Initial Groundwater Investigation Report – February 2015 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, April 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
581 West Cardinal Lane (Formerly 1454 West Cardinal Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 08/06/09
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	0.247
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	0.598
Dibenz(a,h)anthracene	0.66	0.146

Notes:

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
581 West Cardinal Lane (Formerly 1454 West Cardinal Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 02/05/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	ND
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

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

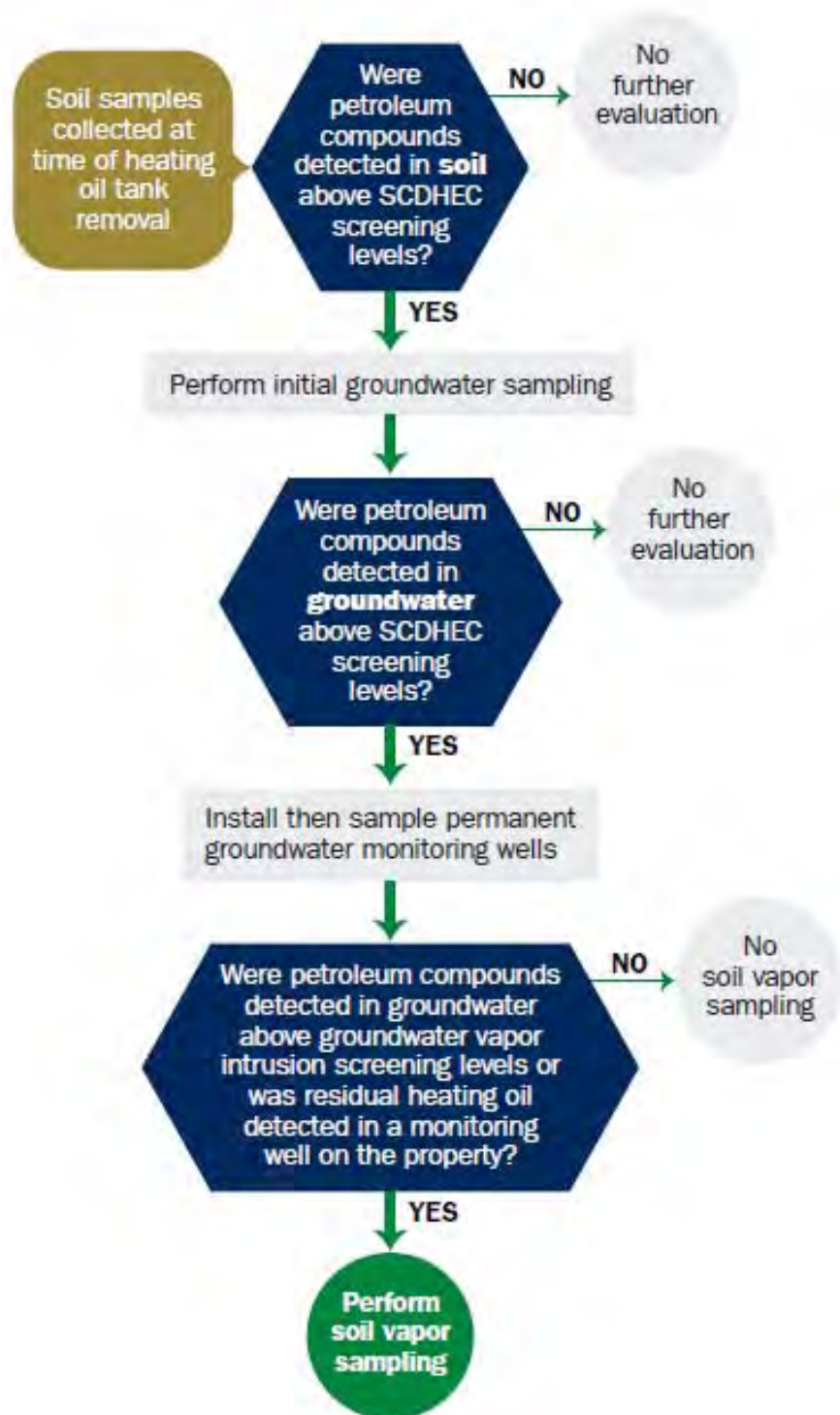
RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

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

RECEIVED

NOV 09 2009

Date Received

State Use Only

Submit Completed Form To:

UST Program

SCDHEC

2600 Bull Street

Columbia, South Carolina 29201

Telephone (803) 896-7957

SC DHEC - Bureau of
Land & Waste Management

I. OWNERSHIP OF UST (S)

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

P.O. Box 55001
 Mailing Address

Beaufort, South Carolina 29904-5001
 City State Zip Code

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

II. SITE IDENTIFICATION AND LOCATION

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

1454 Cardinal Lane, Laurel Bay Military Housing Area
 Street Address or State Road (as applicable)

Beaufort, Beaufort
 City County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

My policy provider is: _____

The policy deductible is: _____

The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

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

VI. UST INFORMATION

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

1454Cardinal				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
5'11"				
No				
No				
Removed				
8/6/09				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1454Cardinal 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 1454Cardinal had been previously filled with sand by others.
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

1454Cardinal				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1454 Cardinal	Excav at fill end	Soil	Sandy	5'11"	8/6/09 1330 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

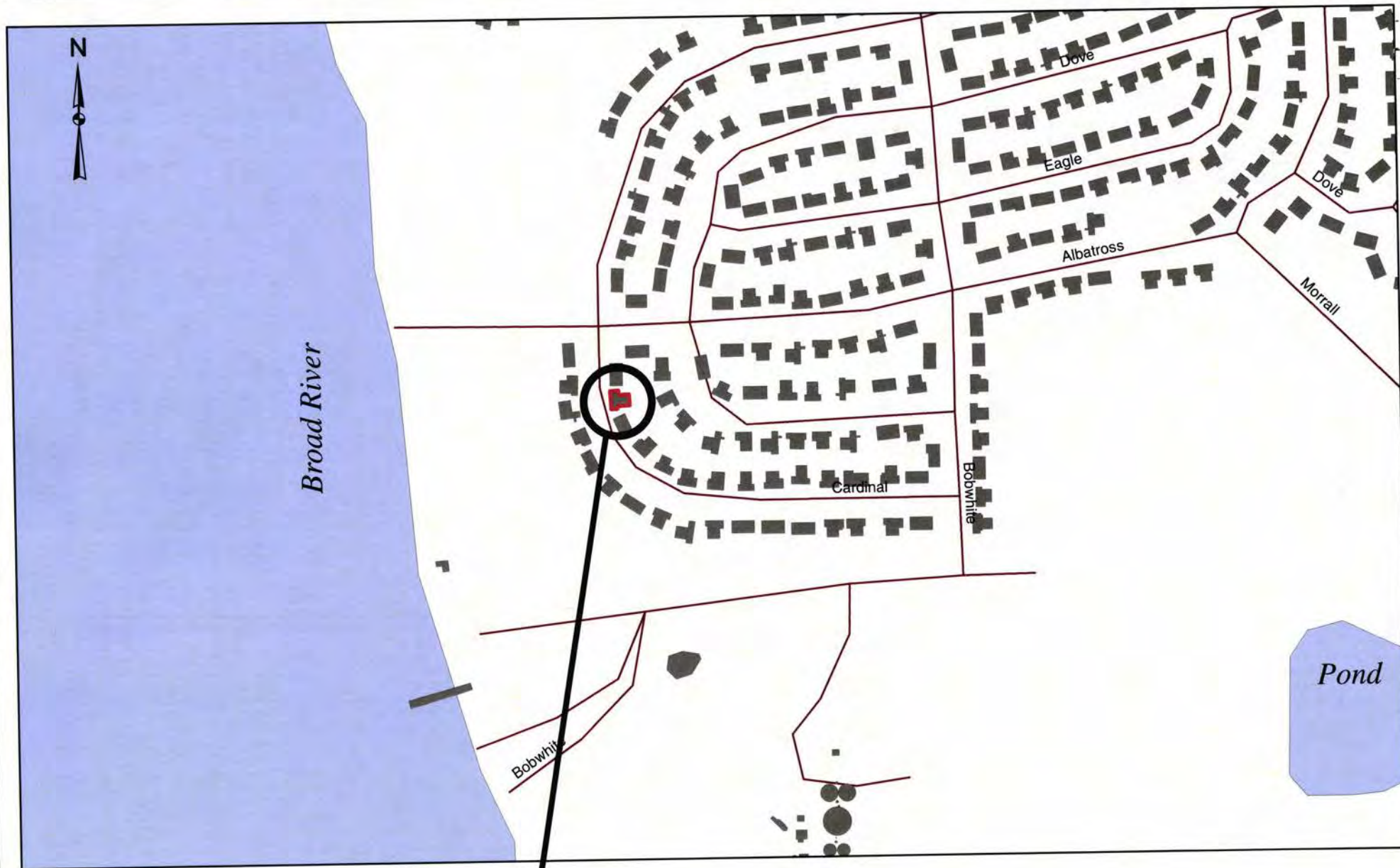
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Broad R. ~620' If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water & geothermal. If yes, indicate the type of utility, distance, and direction on the site map.	*X	
E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete? If yes, indicate the area of contaminated soil on the site map.		X

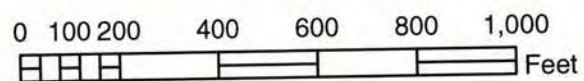
XIII. SITE MAP

You must supply a 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)



1454 CARDINAL LANE



SBG-EEG, Inc.

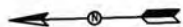
Small Business Group, Inc.
10179 Hwy 78
Ladson, SC 29456

Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: Sept 2009

FIGURE 1: LOCATION MAP
1454 CARDINAL LANE, LAUREL BAY
MCAS BEAUFORT SC



BROAD RIVER $\approx 620'$



GEOTHERMAL LINES

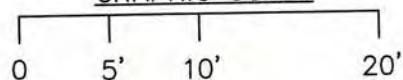
UST 1454CARDINAL



1454 CARDINAL LANE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC

ASPHALT
DRIVEWAY

GRAPHIC SCALE



SBG-EEG

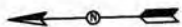
10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

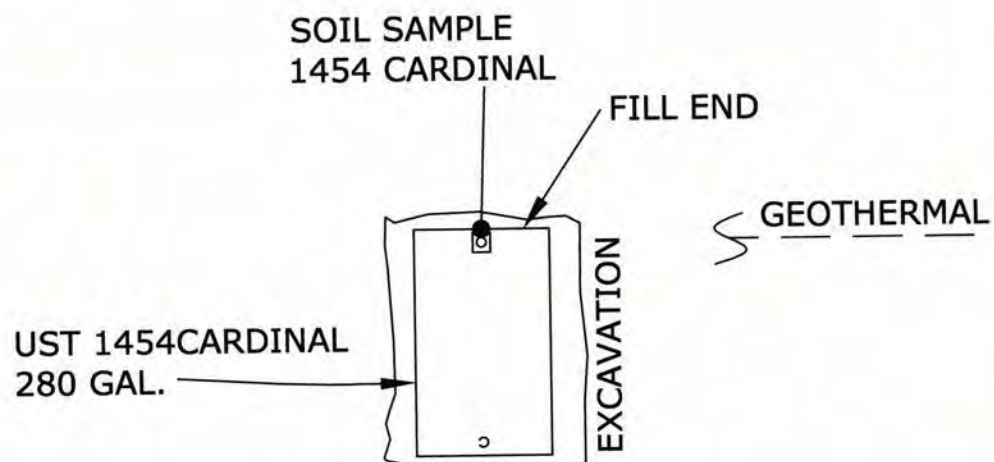
FIGURE 2 SITE MAP
1454 CARDINAL LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE SEPT 2009

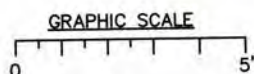


BROAD RIVER $\approx 620'$



GRASS

REAR OF
1454 CARDINAL LANE



UST 1454CARDINAL WAS
35" BELOW GRADE.

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1454 CARDINAL LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE SEPT 2009



Picture 1: Location of UST 1454Cardinal.



Picture 2: UST 1454Cardinal site after completion of work.

XIV. SUMMARY OF ANALYSIS RESULTS

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

CoC	UST	1454Cardinal						
Benzene		ND						
Toluene		ND						
Ethylbenzene		ND						
Xylenes		ND						
Naphthalene		ND						
Benzo (a) anthracene		ND						
Benzo (b) fluoranthene		0.247 mg/kg						
Benzo (k) fluoranthene		ND						
Chrysene		0.598 mg/kg						
Dibenz (a, h) anthracene		0.146 mg/kg						
TPH (EPA 3550)								

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

August 21, 2009

5:16:39PM

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 08/07/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1442 Dove-1	NSH0586-01	08/05/09 09:55
1442 Dove-2	NSH0586-02	08/05/09 11:15
1449 Dove *	NSH0586-03	08/05/09 10:10
1434 Dove *	NSH0586-04	08/05/09 14:30
1437 Dove *	NSH0586-05	08/05/09 15:45
1453 Cardinal	NSH0586-06	08/06/09 09:55
1454 Cardinal	NSH0586-07	08/06/09 13:30
1457 Cardinal	NSH0586-08	08/06/09 16:05

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: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-01 (1442 Dove-1 - Soil) Sampled: 08/05/09 09:55								
General Chemistry Parameters								
% Dry Solids	73.8		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00231	1	08/18/09 15:12	SW846 8260B	9082986
Ethylbenzene	0.694		mg/kg dry	0.113	50	08/18/09 21:09	SW846 8260B	9082980
Naphthalene	4.37		mg/kg dry	0.282	50	08/18/09 21:09	SW846 8260B	9082980
Toluene	ND		mg/kg dry	0.00231	1	08/18/09 15:12	SW846 8260B	9082986
Xylenes, total	1.50		mg/kg dry	0.282	50	08/18/09 21:09	SW846 8260B	9082980
Surr: 1,2-Dichloroethane-d4 (67-138%)	102 %					08/18/09 15:12	SW846 8260B	9082986
Surr: 1,2-Dichloroethane-d4 (67-138%)	102 %					08/18/09 21:09	SW846 8260B	9082980
Surr: Dibromofluoromethane (75-125%)	106 %					08/18/09 15:12	SW846 8260B	9082986
Surr: Dibromofluoromethane (75-125%)	95 %					08/18/09 21:09	SW846 8260B	9082980
Surr: Toluene-d8 (76-129%)	511 %	ZX				08/18/09 15:12	SW846 8260B	9082986
Surr: Toluene-d8 (76-129%)	105 %					08/18/09 21:09	SW846 8260B	9082980
Surr: 4-Bromofluorobenzene (67-147%)	505 %	ZX				08/18/09 15:12	SW846 8260B	9082986
Surr: 4-Bromofluorobenzene (67-147%)	99 %					08/18/09 21:09	SW846 8260B	9082980

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-01 (1442 Dove-1 - Soil) - cont. Sampled: 08/05/09 09:55									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	1.28		mg/kg dry	0.0425	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Acenaphthylene	ND		mg/kg dry	0.0412	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Anthracene	3.11		mg/kg dry	0.0439	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Benzo (a) anthracene	5.81		mg/kg dry	0.253	0.445	5	08/19/09 16:13	SW846 8270D	9082723
Benzo (a) pyrene	1.61		mg/kg dry	0.0399	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Benzo (b) fluoranthene	1.94		mg/kg dry	0.0399	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Benzo (g,h,i) perylene	0.356		mg/kg dry	0.0399	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Benzo (k) fluoranthene	1.65		mg/kg dry	0.0399	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Chrysene	2.94		mg/kg dry	0.0532	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Dibenz (a,h) anthracene	0.295		mg/kg dry	0.0412	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Fluoranthene	11.3		mg/kg dry	0.0452	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Fluorene	2.98		mg/kg dry	0.0479	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Indeno (1,2,3-cd) pyrene	0.464		mg/kg dry	0.0412	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Naphthalene	2.24		mg/kg dry	0.0545	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
Phenanthrene	21.7		mg/kg dry	0.226	0.445	5	08/19/09 16:13	SW846 8270D	9082723
Pyrene	18.8		mg/kg dry	0.273	0.445	5	08/19/09 16:13	SW846 8270D	9082723
1-Methylnaphthalene	4.06		mg/kg dry	0.0425	0.0891	1	08/19/09 05:39	SW846 8270D	9082723
2-Methylnaphthalene	7.91		mg/kg dry	0.219	0.445	5	08/19/09 16:13	SW846 8270D	9082723
Surr: Terphenyl-d14 (18-120%)	74 %					1	08/19/09 05:39	SW846 8270D	9082723
Surr: 2-Fluorobiphenyl (14-120%)	72 %					1	08/19/09 05:39	SW846 8270D	9082723
Surr: Nitrobenzene-d5 (17-120%)	115 %					1	08/19/09 05:39	SW846 8270D	9082723

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-02 (1442 Dove-2 - Soil) Sampled: 08/05/09 11:15								
General Chemistry Parameters								
% Dry Solids	80.9		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00286	1	08/18/09 18:42	SW846 8260B	9082980
Ethylbenzene	ND		mg/kg dry	0.00286	1	08/18/09 18:42	SW846 8260B	9082980
Naphthalene	0.0119		mg/kg dry	0.00715	1	08/18/09 18:42	SW846 8260B	9082980
Toluene	ND		mg/kg dry	0.00286	1	08/18/09 18:42	SW846 8260B	9082980
Xylenes, total	ND		mg/kg dry	0.00715	1	08/18/09 18:42	SW846 8260B	9082980
Surr: 1,2-Dichloroethane-d4 (67-138%)	116 %					08/18/09 18:42	SW846 8260B	9082980
Surr: Dibromofluoromethane (75-125%)	102 %					08/18/09 18:42	SW846 8260B	9082980
Surr: Toluene-d8 (76-129%)	100 %					08/18/09 18:42	SW846 8260B	9082980
Surr: 4-Bromofluorobenzene (67-147%)	98 %					08/18/09 18:42	SW846 8260B	9082980

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-02 (1442 Dove-2 - Soil) - cont. Sampled: 08/05/09 11:15									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	ND		mg/kg dry	0.0395	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Acenaphthylene	ND		mg/kg dry	0.0383	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Anthracene	ND	L	mg/kg dry	0.0407	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Benzo (a) anthracene	ND		mg/kg dry	0.0469	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Benzo (a) pyrene	ND	L	mg/kg dry	0.0370	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Benzo (b) fluoranthene	ND		mg/kg dry	0.0370	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0370	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Benzo (k) fluoranthene	ND		mg/kg dry	0.0370	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Chrysene	ND		mg/kg dry	0.0494	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0383	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Fluoranthene	ND		mg/kg dry	0.0420	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Fluorene	ND		mg/kg dry	0.0444	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0383	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Naphthalene	ND		mg/kg dry	0.0506	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Phenanthrene	ND		mg/kg dry	0.0420	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Pyrene	ND	L	mg/kg dry	0.0506	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
1-Methylnaphthalene	ND		mg/kg dry	0.0395	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
2-Methylnaphthalene	ND		mg/kg dry	0.0407	0.0827	1	08/14/09 22:37	SW846 8270D	9081773
Surr: Terphenyl-d14 (18-120%)	93 %					1	08/14/09 22:37	SW846 8270D	9081773
Surr: 2-Fluorobiphenyl (14-120%)	68 %					1	08/14/09 22:37	SW846 8270D	9081773
Surr: Nitrobenzene-d5 (17-120%)	81 %					1	08/14/09 22:37	SW846 8270D	9081773

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-03 (1449 Dove - Soil) Sampled: 08/05/09 10:10								
General Chemistry Parameters								
% Dry Solids	80.8		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00226	1	08/18/09 19:12	SW846 8260B	9082980
Ethylbenzene	0.0325		mg/kg dry	0.00226	1	08/18/09 19:12	SW846 8260B	9082980
Naphthalene	0.330	E	mg/kg dry	0.00565	1	08/18/09 19:12	SW846 8260B	9082980
Toluene	0.00716		mg/kg dry	0.00226	1	08/18/09 19:12	SW846 8260B	9082980
Xylenes, total	0.141		mg/kg dry	0.00565	1	08/18/09 19:12	SW846 8260B	9082980
Surr: 1,2-Dichloroethane-d4 (67-138%)	113 %					08/18/09 19:12	SW846 8260B	9082980
Surr: Dibromofluoromethane (75-125%)	105 %					08/18/09 19:12	SW846 8260B	9082980
Surr: Toluene-d8 (76-129%)	132 %	ZX				08/18/09 19:12	SW846 8260B	9082980
Surr: 4-Bromofluorobenzene (67-147%)	95 %					08/18/09 19:12	SW846 8260B	9082980

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-03 (1449 Dove - Soil) - cont. Sampled: 08/05/09 10:10									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	ND		mg/kg dry	0.0385	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Acenaphthylene	ND		mg/kg dry	0.0372	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Anthracene	ND		mg/kg dry	0.0397	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Benzo (a) anthracene	0.145		mg/kg dry	0.0457	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Benzo (a) pyrene	0.0529	J	mg/kg dry	0.0360	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Benzo (b) fluoranthene	0.0717	J	mg/kg dry	0.0360	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0360	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Benzo (k) fluoranthene	ND		mg/kg dry	0.0360	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Chrysene	0.124		mg/kg dry	0.0481	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0372	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Fluoranthene	0.283		mg/kg dry	0.0409	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Fluorene	ND		mg/kg dry	0.0433	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0372	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Naphthalene	ND		mg/kg dry	0.0493	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Phenanthrene	0.0497	J	mg/kg dry	0.0409	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Pyrene	0.636		mg/kg dry	0.0493	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
1-Methylnaphthalene	ND		mg/kg dry	0.0385	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
2-Methylnaphthalene	ND		mg/kg dry	0.0397	0.0805	1	08/19/09 06:04	SW846 8270D	9082723
Surr: Terphenyl-d14 (18-120%)	80 %					1	08/19/09 06:04	SW846 8270D	9082723
Surr: 2-Fluorobiphenyl (14-120%)	65 %					1	08/19/09 06:04	SW846 8270D	9082723
Surr: Nitrobenzene-d5 (17-120%)	75 %					1	08/19/09 06:04	SW846 8270D	9082723

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-04 (1434 Dove - Soil) Sampled: 08/05/09 14:30								
General Chemistry Parameters								
% Dry Solids	81.4		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	0.0107		mg/kg dry	0.00202	1	08/18/09 16:43	SW846 8260B	9082986
Ethylbenzene	0.990		mg/kg dry	0.110	50	08/18/09 22:08	SW846 8260B	9082980
Naphthalene	10.8		mg/kg dry	0.276	50	08/18/09 22:08	SW846 8260B	9082980
Toluene	0.0887		mg/kg dry	0.00202	1	08/18/09 16:43	SW846 8260B	9082986
Xylenes, total	7.70		mg/kg dry	0.276	50	08/18/09 22:08	SW846 8260B	9082980
Surr: 1,2-Dichloroethane-d4 (67-138%)	109 %					08/18/09 16:43	SW846 8260B	9082986
Surr: 1,2-Dichloroethane-d4 (67-138%)	104 %					08/18/09 22:08	SW846 8260B	9082980
Surr: Dibromofluoromethane (75-125%)	100 %					08/18/09 16:43	SW846 8260B	9082986
Surr: Dibromofluoromethane (75-125%)	96 %					08/18/09 22:08	SW846 8260B	9082980
Surr: Toluene-d8 (76-129%)	192 %	ZX				08/18/09 16:43	SW846 8260B	9082986
Surr: Toluene-d8 (76-129%)	105 %					08/18/09 22:08	SW846 8260B	9082980
Surr: 4-Bromofluorobenzene (67-147%)	503 %	ZX				08/18/09 16:43	SW846 8260B	9082986
Surr: 4-Bromofluorobenzene (67-147%)	126 %					08/18/09 22:08	SW846 8260B	9082980

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-04 (1434 Dove - Soil) - cont. Sampled: 08/05/09 14:30									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	3.61		mg/kg dry	0.392	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Acenaphthylene	ND		mg/kg dry	0.380	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Anthracene	4.18		mg/kg dry	0.404	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Benzo (a) anthracene	6.71		mg/kg dry	0.465	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Benzo (a) pyrene	2.60		mg/kg dry	0.367	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Benzo (b) fluoranthene	4.05		mg/kg dry	0.367	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Benzo (g,h,i) perylene	0.682	J	mg/kg dry	0.367	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Benzo (k) fluoranthene	1.76		mg/kg dry	0.367	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Chrysene	6.64		mg/kg dry	0.490	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Dibenz (a,h) anthracene	0.531	J	mg/kg dry	0.380	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Fluoranthene	19.7		mg/kg dry	0.416	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Fluorene	11.1		mg/kg dry	0.441	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Indeno (1,2,3-cd) pyrene	0.796	J	mg/kg dry	0.380	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Naphthalene	11.7		mg/kg dry	0.502	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Phenanthrene	24.5		mg/kg dry	0.416	0.820	5	08/19/09 16:37	SW846 8270D	9082723
Pyrene	15.6		mg/kg dry	0.502	0.820	5	08/19/09 16:37	SW846 8270D	9082723
1-Methylnaphthalene	45.0		mg/kg dry	0.784	1.64	10	08/19/09 19:23	SW846 8270D	9082723
2-Methylnaphthalene	57.3		mg/kg dry	0.808	1.64	10	08/19/09 19:23	SW846 8270D	9082723
Surr: Terphenyl-d14 (18-120%)	84 %					5	08/19/09 16:37	SW846 8270D	9082723
Surr: 2-Fluorobiphenyl (14-120%)	97 %					5	08/19/09 16:37	SW846 8270D	9082723
Surr: Nitrobenzene-d5 (17-120%)	208 %	ZX				5	08/19/09 16:37	SW846 8270D	9082723

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-05 (1437 Dove - Soil) Sampled: 08/05/09 15:45								
General Chemistry Parameters								
% Dry Solids	79.7		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	0.00602		mg/kg dry	0.00206	1	08/18/09 17:13	SW846 8260B	9082986
Ethylbenzene	ND		mg/kg dry	0.106	50	08/18/09 20:40	SW846 8260B	9082980
Naphthalene	1.01		mg/kg dry	0.266	50	08/18/09 20:40	SW846 8260B	9082980
Toluene	0.0540		mg/kg dry	0.00206	1	08/18/09 17:13	SW846 8260B	9082986
Xylenes, total	4.26		mg/kg dry	0.266	50	08/18/09 20:40	SW846 8260B	9082980
Surr: 1,2-Dichloroethane-d4 (67-138%)	87 %					08/18/09 17:13	SW846 8260B	9082986
Surr: 1,2-Dichloroethane-d4 (67-138%)	107 %					08/18/09 20:40	SW846 8260B	9082980
Surr: Dibromofluoromethane (75-125%)	82 %					08/18/09 17:13	SW846 8260B	9082986
Surr: Dibromofluoromethane (75-125%)	100 %					08/18/09 20:40	SW846 8260B	9082980
Surr: Toluene-d8 (76-129%)	110 %					08/18/09 17:13	SW846 8260B	9082986
Surr: Toluene-d8 (76-129%)	104 %					08/18/09 20:40	SW846 8260B	9082980
Surr: 4-Bromofluorobenzene (67-147%)	97 %					08/18/09 17:13	SW846 8260B	9082986
Surr: 4-Bromofluorobenzene (67-147%)	96 %					08/18/09 20:40	SW846 8260B	9082980

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-05 (1437 Dove - Soil) - cont. Sampled: 08/05/09 15:45									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	0.260		mg/kg dry	0.0400	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Acenaphthylene	ND		mg/kg dry	0.0388	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Anthracene	0.0955		mg/kg dry	0.0413	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Benzo (a) anthracene	ND		mg/kg dry	0.0476	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Benzo (a) pyrene	ND		mg/kg dry	0.0375	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Benzo (b) fluoranthene	ND		mg/kg dry	0.0375	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0375	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Benzo (k) fluoranthene	ND		mg/kg dry	0.0375	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Chrysene	ND		mg/kg dry	0.0501	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0388	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Fluoranthene	0.114		mg/kg dry	0.0425	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Fluorene	0.617		mg/kg dry	0.0450	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0388	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Naphthalene	0.292		mg/kg dry	0.0513	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Phenanthrene	0.469		mg/kg dry	0.0425	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Pyrene	0.192		mg/kg dry	0.0513	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
1-Methylnaphthalene	2.53		mg/kg dry	0.0400	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
2-Methylnaphthalene	2.98		mg/kg dry	0.0413	0.0838	1	08/19/09 06:52	SW846 8270D	9082723
Surr: Terphenyl-d14 (18-120%)	70 %					1	08/19/09 06:52	SW846 8270D	9082723
Surr: 2-Fluorobiphenyl (14-120%)	66 %					1	08/19/09 06:52	SW846 8270D	9082723
Surr: Nitrobenzene-d5 (17-120%)	89 %					1	08/19/09 06:52	SW846 8270D	9082723

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-06 (1453 Cardinal - Soil) Sampled: 08/06/09 09:55								
General Chemistry Parameters								
% Dry Solids	82.6		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00189	1	08/18/09 19:41	SW846 8260B	9082980
Ethylbenzene	0.0207		mg/kg dry	0.00189	1	08/18/09 19:41	SW846 8260B	9082980
Naphthalene	0.0569		mg/kg dry	0.00474	1	08/18/09 19:41	SW846 8260B	9082980
Toluene	0.00254		mg/kg dry	0.00189	1	08/18/09 19:41	SW846 8260B	9082980
Xylenes, total	0.146		mg/kg dry	0.00474	1	08/18/09 19:41	SW846 8260B	9082980
Surr: 1,2-Dichloroethane-d4 (67-138%)	104 %					08/18/09 19:41	SW846 8260B	9082980
Surr: Dibromofluoromethane (75-125%)	100 %					08/18/09 19:41	SW846 8260B	9082980
Surr: Toluene-d8 (76-129%)	126 %					08/18/09 19:41	SW846 8260B	9082980
Surr: 4-Bromofluorobenzene (67-147%)	324 %	ZX				08/18/09 19:41	SW846 8260B	9082980

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-06 (1453 Cardinal - Soil) - cont. Sampled: 08/06/09 09:55									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	ND		mg/kg dry	0.0382	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Acenaphthylene	ND		mg/kg dry	0.0370	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Anthracene	0.376		mg/kg dry	0.0393	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Benzo (a) anthracene	0.275		mg/kg dry	0.0453	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Benzo (a) pyrene	0.145		mg/kg dry	0.0358	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Benzo (b) fluoranthene	0.165		mg/kg dry	0.0358	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Benzo (g,h,i) perylene	0.0807		mg/kg dry	0.0358	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Benzo (k) fluoranthene	0.160		mg/kg dry	0.0358	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Chrysene	0.370		mg/kg dry	0.0477	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0370	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Fluoranthene	0.528		mg/kg dry	0.0405	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Fluorene	0.798		mg/kg dry	0.0429	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Indeno (1,2,3-cd) pyrene	0.0763	J	mg/kg dry	0.0370	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Naphthalene	0.618		mg/kg dry	0.0489	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Phenanthrene	1.85		mg/kg dry	0.0405	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
Pyrene	0.504		mg/kg dry	0.0489	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
1-Methylnaphthalene	3.62		mg/kg dry	0.0382	0.0799	1	08/19/09 07:17	SW846 8270D	9082723
2-Methylnaphthalene	3.85		mg/kg dry	0.0787	0.160	2	08/19/09 17:00	SW846 8270D	9082723
Surr: Terphenyl-d14 (18-120%)	64 %					1	08/19/09 07:17	SW846 8270D	9082723
Surr: 2-Fluorobiphenyl (14-120%)	66 %					1	08/19/09 07:17	SW846 8270D	9082723
Surr: Nitrobenzene-d5 (17-120%)	102 %					1	08/19/09 07:17	SW846 8270D	9082723

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-07 (1454 Cardinal - Soil) Sampled: 08/06/09 13:30								
General Chemistry Parameters								
% Dry Solids	81.5		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00215	1	08/18/09 20:11	SW846 8260B	9082980
Ethylbenzene	ND		mg/kg dry	0.00215	1	08/18/09 20:11	SW846 8260B	9082980
Naphthalene	ND		mg/kg dry	0.00536	1	08/18/09 20:11	SW846 8260B	9082980
Toluene	ND		mg/kg dry	0.00215	1	08/18/09 20:11	SW846 8260B	9082980
Xylenes, total	ND		mg/kg dry	0.00536	1	08/18/09 20:11	SW846 8260B	9082980
Surr: 1,2-Dichloroethane-d4 (67-138%)	102 %					08/18/09 20:11	SW846 8260B	9082980
Surr: Dibromofluoromethane (75-125%)	100 %					08/18/09 20:11	SW846 8260B	9082980
Surr: Toluene-d8 (76-129%)	103 %					08/18/09 20:11	SW846 8260B	9082980
Surr: 4-Bromofluorobenzene (67-147%)	101 %					08/18/09 20:11	SW846 8260B	9082980

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-07 (1454 Cardinal - Soil) - cont. Sampled: 08/06/09 13:30									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	ND		mg/kg dry	0.0766	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Acenaphthylene	ND		mg/kg dry	0.0742	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Anthracene	ND		mg/kg dry	0.0790	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Benzo (a) anthracene	ND		mg/kg dry	0.0909	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Benzo (a) pyrene	0.199		mg/kg dry	0.0718	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Benzo (b) fluoranthene	0.247		mg/kg dry	0.0718	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Benzo (g,h,i) perylene	0.643		mg/kg dry	0.0718	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Benzo (k) fluoranthene	ND		mg/kg dry	0.0718	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Chrysene	0.598		mg/kg dry	0.0957	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Dibenz (a,h) anthracene	0.146	J	mg/kg dry	0.0742	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Fluoranthene	ND		mg/kg dry	0.0814	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Fluorene	ND		mg/kg dry	0.0862	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Indeno (1,2,3-cd) pyrene	0.609		mg/kg dry	0.0742	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Naphthalene	ND		mg/kg dry	0.0981	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Phenanthrene	ND		mg/kg dry	0.0814	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Pyrene	ND		mg/kg dry	0.0981	0.160	2	08/16/09 00:13	SW846 8270D	9081503
1-Methylnaphthalene	0.107	J	mg/kg dry	0.0766	0.160	2	08/16/09 00:13	SW846 8270D	9081503
2-Methylnaphthalene	0.116	J	mg/kg dry	0.0790	0.160	2	08/16/09 00:13	SW846 8270D	9081503
Surr: Terphenyl-d14 (18-120%)	83 %					2	08/16/09 00:13	SW846 8270D	9081503
Surr: 2-Fluorobiphenyl (14-120%)	60 %					2	08/16/09 00:13	SW846 8270D	9081503
Surr: Nitrobenzene-d5 (17-120%)	74 %					2	08/16/09 00:13	SW846 8270D	9081503

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-08 (1457 Cardinal - Soil) Sampled: 08/06/09 16:05								
General Chemistry Parameters								
% Dry Solids	78.8		%	0.500	1	08/19/09 10:43	SW-846	9082732
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	0.0101		mg/kg dry	0.00235	1	08/18/09 18:43	SW846 8260B	9082986
Ethylbenzene	0.152		mg/kg dry	0.00235	1	08/18/09 18:43	SW846 8260B	9082986
Naphthalene	0.475		mg/kg dry	0.393	50	08/18/09 19:13	SW846 8260B	9082986
Toluene	0.0384		mg/kg dry	0.00235	1	08/18/09 18:43	SW846 8260B	9082986
Xylenes, total	0.878	E	mg/kg dry	0.00588	1	08/18/09 18:43	SW846 8260B	9082986
Surr: 1,2-Dichloroethane-d4 (67-138%)	92 %					08/18/09 18:43	SW846 8260B	9082986
Surr: 1,2-Dichloroethane-d4 (67-138%)	92 %					08/18/09 19:13	SW846 8260B	9082986
Surr: Dibromofluoromethane (75-125%)	83 %					08/18/09 18:43	SW846 8260B	9082986
Surr: Dibromofluoromethane (75-125%)	101 %					08/18/09 19:13	SW846 8260B	9082986
Surr: Toluene-d8 (76-129%)	122 %					08/18/09 18:43	SW846 8260B	9082986
Surr: Toluene-d8 (76-129%)	88 %					08/18/09 19:13	SW846 8260B	9082986
Surr: 4-Bromofluorobenzene (67-147%)	136 %					08/18/09 18:43	SW846 8260B	9082986
Surr: 4-Bromofluorobenzene (67-147%)	95 %					08/18/09 19:13	SW846 8260B	9082986

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0586-08 (1457 Cardinal - Soil) - cont. Sampled: 08/06/09 16:05									
Polyaromatic Hydrocarbons by EPA 8270D									
Acenaphthene	2.38		mg/kg dry	0.200	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Acenaphthylene	ND		mg/kg dry	0.194	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Anthracene	1.37		mg/kg dry	0.206	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Benzo (a) anthracene	3.57		mg/kg dry	0.237	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Benzo (a) pyrene	1.65		mg/kg dry	0.187	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Benzo (b) fluoranthene	2.35		mg/kg dry	0.187	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Benzo (g,h,i) perylene	0.558		mg/kg dry	0.187	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Benzo (k) fluoranthene	1.54		mg/kg dry	0.187	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Chrysene	3.27		mg/kg dry	0.250	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Dibenz (a,h) anthracene	0.227	J	mg/kg dry	0.194	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Fluoranthene	9.72		mg/kg dry	0.212	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Fluorene	4.90		mg/kg dry	0.225	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Indeno (1,2,3-cd) pyrene	0.604		mg/kg dry	0.194	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Naphthalene	12.1		mg/kg dry	0.256	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Phenanthrene	13.8		mg/kg dry	0.212	0.418	5	08/16/09 02:29	SW846 8270D	9081503
Pyrene	11.2		mg/kg dry	0.256	0.418	5	08/16/09 02:29	SW846 8270D	9081503
1-Methylnaphthalene	30.3		mg/kg dry	2.00	4.18	50	08/16/09 02:06	SW846 8270D	9081503
2-Methylnaphthalene	46.8		mg/kg dry	2.06	4.18	50	08/16/09 02:06	SW846 8270D	9081503
Surr: Terphenyl-d14 (18-120%)	62 %					5	08/16/09 02:29	SW846 8270D	9081503
Surr: 2-Fluorobiphenyl (14-120%)	113 %					5	08/16/09 02:29	SW846 8270D	9081503
Surr: Nitrobenzene-d5 (17-120%)	78 %					5	08/16/09 02:29	SW846 8270D	9081503

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	9081773	NSH0586-01	30.62	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9081773	NSH0586-01RE1	30.62	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9081773	NSH0586-01RE2	30.62	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9082723	NSH0586-01RE3	30.58	1.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9082723	NSH0586-01RE4	30.58	1.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9081773	NSH0586-02	30.04	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9081773	NSH0586-03	30.33	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9082723	NSH0586-03RE1	30.90	1.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9081773	NSH0586-04	30.70	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9081773	NSH0586-04RE1	30.70	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9081773	NSH0586-04RE2	30.70	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9082723	NSH0586-04RE3	30.10	2.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9082723	NSH0586-04RE4	30.10	2.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9082723	NSH0586-04RE5	30.10	2.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9081773	NSH0586-05	30.75	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9082723	NSH0586-05RE1	30.08	1.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9081773	NSH0586-06	30.30	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9081773	NSH0586-06RE1	30.30	1.00	08/13/09 14:30	TEM	EPA 3550C
SW846 8270D	9082723	NSH0586-06RE2	30.46	1.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9082723	NSH0586-06RE3	30.46	1.00	08/18/09 11:30	AJF	EPA 3550C
SW846 8270D	9081503	NSH0586-07	30.76	1.00	08/12/09 08:30	MAH	EPA 3550C
SW846 8270D	9081503	NSH0586-08	30.48	1.00	08/12/09 08:30	MAH	EPA 3550C
SW846 8270D	9081503	NSH0586-08RE1	30.48	1.00	08/12/09 08:30	MAH	EPA 3550C
SW846 8270D	9081503	NSH0586-08RE2	30.48	1.00	08/12/09 08:30	MAH	EPA 3550C
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9082986	NSH0586-01	5.87	5.00	08/05/09 09:55	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-01RE1	6.00	5.00	08/05/09 09:55	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-01RE2	6.00	5.00	08/05/09 09:55	CHH	EPA 5035
SW846 8260B	9082986	NSH0586-02	5.54	5.00	08/05/09 11:15	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-02RE1	4.32	5.00	08/05/09 11:15	CHH	EPA 5035
SW846 8260B	9082986	NSH0586-03	5.90	5.00	08/05/09 10:10	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-03RE1	5.48	5.00	08/05/09 10:10	CHH	EPA 5035
SW846 8260B	9082982	NSH0586-03RE2	5.53	5.00	08/05/09 10:10	JRL	EPA 5035
SW846 8260B	9082986	NSH0586-04	6.07	5.00	08/05/09 14:30	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-04RE1	5.56	5.00	08/05/09 14:30	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-04RE2	5.56	5.00	08/05/09 14:30	CHH	EPA 5035
SW846 8260B	9082986	NSH0586-05	6.09	5.00	08/05/09 15:45	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-05RE1	5.90	5.00	08/05/09 15:45	CHH	EPA 5035
SW846 8260B	9082986	NSH0586-06	5.82	5.00	08/06/09 09:55	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-06RE1	6.39	5.00	08/06/09 09:55	CHH	EPA 5035
SW846 8260B	9082986	NSH0586-07	5.81	5.00	08/06/09 13:30	CHH	EPA 5035
SW846 8260B	9082980	NSH0586-07RE1	5.72	5.00	08/06/09 13:30	CHH	EPA 5035
SW846 8260B	9082986	NSH0586-08	5.40	5.00	08/06/09 16:05	CHH	EPA 5035
SW846 8260B	9082986	NSH0586-08RE1	4.04	5.00	08/06/09 16:05	CHH	EPA 5035

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA

Blank

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

9082980-BLK1

Benzene	<0.000670		mg/kg wet	9082980	9082980-BLK1	08/18/09 18:13
Ethylbenzene	<0.000670		mg/kg wet	9082980	9082980-BLK1	08/18/09 18:13
Naphthalene	<0.00170		mg/kg wet	9082980	9082980-BLK1	08/18/09 18:13
Toluene	<0.000400		mg/kg wet	9082980	9082980-BLK1	08/18/09 18:13
Xylenes, total	<0.00130		mg/kg wet	9082980	9082980-BLK1	08/18/09 18:13
Surrogate: 1,2-Dichloroethane-d4	118%			9082980	9082980-BLK1	08/18/09 18:13
Surrogate: Dibromofluoromethane	108%			9082980	9082980-BLK1	08/18/09 18:13
Surrogate: Toluene-d8	101%			9082980	9082980-BLK1	08/18/09 18:13
Surrogate: 4-Bromofluorobenzene	104%			9082980	9082980-BLK1	08/18/09 18:13

9082986-BLK1

Benzene	<0.000670		mg/kg wet	9082986	9082986-BLK1	08/18/09 14:12
Ethylbenzene	<0.000670		mg/kg wet	9082986	9082986-BLK1	08/18/09 14:12
Naphthalene	<0.00170		mg/kg wet	9082986	9082986-BLK1	08/18/09 14:12
Toluene	<0.000400		mg/kg wet	9082986	9082986-BLK1	08/18/09 14:12
Xylenes, total	<0.00130		mg/kg wet	9082986	9082986-BLK1	08/18/09 14:12
Surrogate: 1,2-Dichloroethane-d4	103%			9082986	9082986-BLK1	08/18/09 14:12
Surrogate: Dibromofluoromethane	96%			9082986	9082986-BLK1	08/18/09 14:12
Surrogate: Toluene-d8	93%			9082986	9082986-BLK1	08/18/09 14:12
Surrogate: 4-Bromofluorobenzene	92%			9082986	9082986-BLK1	08/18/09 14:12

Polyaromatic Hydrocarbons by EPA 8270D

9081503-BLK1

Acenaphthene	<0.0320		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Acenaphthylene	<0.0310		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Anthracene	<0.0330		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Benzo (a) anthracene	<0.0380		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Benzo (a) pyrene	<0.0300		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Chrysene	<0.0400		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Fluoranthene	<0.0340		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Fluorene	<0.0360		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Naphthalene	<0.0410		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Phenanthrene	<0.0340		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
Pyrene	<0.0410		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
1-Methylnaphthalene	<0.0320		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56
2-Methylnaphthalene	<0.0330		mg/kg wet	9081503	9081503-BLK1	08/14/09 13:56

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D						
9081503-BLK1						
Surrogate: Terphenyl-d14	78%			9081503	9081503-BLK1	08/14/09 13:56
Surrogate: 2-Fluorobiphenyl	62%			9081503	9081503-BLK1	08/14/09 13:56
Surrogate: Nitrobenzene-d5	59%			9081503	9081503-BLK1	08/14/09 13:56
9081773-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Acenaphthylene	<0.0310		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Anthracene	<0.0330		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Benzo (a) anthracene	<0.0380		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Benzo (a) pyrene	<0.0300		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Chrysene	<0.0400		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Fluoranthene	<0.0340		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Fluorene	<0.0360		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Naphthalene	<0.0410		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Phenanthrene	<0.0340		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Pyrene	<0.0410		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
1-Methylnaphthalene	<0.0320		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
2-Methylnaphthalene	<0.0330		mg/kg wet	9081773	9081773-BLK1	08/14/09 15:30
Surrogate: Terphenyl-d14	96%			9081773	9081773-BLK1	08/14/09 15:30
Surrogate: 2-Fluorobiphenyl	81%			9081773	9081773-BLK1	08/14/09 15:30
Surrogate: Nitrobenzene-d5	86%			9081773	9081773-BLK1	08/14/09 15:30
9082723-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Acenaphthylene	<0.0310		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Anthracene	<0.0330		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Benzo (a) anthracene	<0.0380		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Benzo (a) pyrene	<0.0300		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Chrysene	<0.0400		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Fluoranthene	<0.0340		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Fluorene	<0.0360		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Naphthalene	<0.0410		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D						
9082723-BLK1						
Phenanthrene	<0.0340		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Pyrene	<0.0410		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
1-Methylnaphthalene	<0.0320		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
2-Methylnaphthalene	<0.0330		mg/kg wet	9082723	9082723-BLK1	08/19/09 02:02
Surrogate: Terphenyl-d14	78%			9082723	9082723-BLK1	08/19/09 02:02
Surrogate: 2-Fluorobiphenyl	70%			9082723	9082723-BLK1	08/19/09 02:02
Surrogate: Nitrobenzene-d5	81%			9082723	9082723-BLK1	08/19/09 02:02

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9082732-DUP1										
% Dry Solids	81.6	82.7		%	1	20	9082732	NSH0575-08		08/19/09 10:43

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
9082980-BS1								
Benzene	50.0	47.8		ug/kg	96%	78 - 126	9082980	08/18/09 16:15
Ethylbenzene	50.0	49.8		ug/kg	100%	79 - 130	9082980	08/18/09 16:15
Naphthalene	50.0	50.6		ug/kg	101%	72 - 150	9082980	08/18/09 16:15
Toluene	50.0	49.7		ug/kg	99%	76 - 126	9082980	08/18/09 16:15
Xylenes, total	150	152		ug/kg	101%	80 - 130	9082980	08/18/09 16:15
Surrogate: 1,2-Dichloroethane-d4	50.0	55.1			110%	67 - 138	9082980	08/18/09 16:15
Surrogate: Dibromofluoromethane	50.0	51.6			103%	75 - 125	9082980	08/18/09 16:15
Surrogate: Toluene-d8	50.0	50.2			100%	76 - 129	9082980	08/18/09 16:15
Surrogate: 4-Bromofluorobenzene	50.0	48.2			96%	67 - 147	9082980	08/18/09 16:15
9082986-BS1								
Benzene	50.0	46.6		ug/kg	93%	78 - 126	9082986	08/18/09 12:42
Ethylbenzene	50.0	50.0		ug/kg	100%	79 - 130	9082986	08/18/09 12:42
Naphthalene	50.0	56.2		ug/kg	112%	72 - 150	9082986	08/18/09 12:42
Toluene	50.0	48.0		ug/kg	96%	76 - 126	9082986	08/18/09 12:42
Xylenes, total	150	152		ug/kg	101%	80 - 130	9082986	08/18/09 12:42
Surrogate: 1,2-Dichloroethane-d4	50.0	50.9			102%	67 - 138	9082986	08/18/09 12:42
Surrogate: Dibromofluoromethane	50.0	50.8			102%	75 - 125	9082986	08/18/09 12:42
Surrogate: Toluene-d8	50.0	49.1			98%	76 - 129	9082986	08/18/09 12:42
Surrogate: 4-Bromofluorobenzene	50.0	47.8			96%	67 - 147	9082986	08/18/09 12:42
Polyaromatic Hydrocarbons by EPA 8270D								
9081503-BS1								
Acenaphthene	1.67	1.08		mg/kg wet	65%	49 - 120	9081503	08/14/09 13:26
Acenaphthylene	1.67	1.10		mg/kg wet	66%	52 - 120	9081503	08/14/09 13:26
Anthracene	1.67	1.24		mg/kg wet	74%	58 - 120	9081503	08/14/09 13:26
Benzo (a) anthracene	1.67	1.14		mg/kg wet	68%	57 - 120	9081503	08/14/09 13:26
Benzo (a) pyrene	1.67	1.23		mg/kg wet	74%	55 - 120	9081503	08/14/09 13:26
Benzo (b) fluoranthene	1.67	1.16		mg/kg wet	70%	51 - 123	9081503	08/14/09 13:26
Benzo (g,h,i) perylene	1.67	1.17		mg/kg wet	70%	49 - 121	9081503	08/14/09 13:26
Benzo (k) fluoranthene	1.67	1.15		mg/kg wet	69%	42 - 129	9081503	08/14/09 13:26
Chrysene	1.67	1.10		mg/kg wet	66%	55 - 120	9081503	08/14/09 13:26
Dibenz (a,h) anthracene	1.67	1.21		mg/kg wet	72%	50 - 123	9081503	08/14/09 13:26
Fluoranthene	1.67	1.19		mg/kg wet	71%	58 - 120	9081503	08/14/09 13:26
Fluorene	1.67	1.25		mg/kg wet	75%	54 - 120	9081503	08/14/09 13:26
Indeno (1,2,3-cd) pyrene	1.67	1.21		mg/kg wet	72%	50 - 122	9081503	08/14/09 13:26
Naphthalene	1.67	0.984		mg/kg wet	59%	28 - 120	9081503	08/14/09 13:26
Phenanthrene	1.67	1.12		mg/kg wet	67%	56 - 120	9081503	08/14/09 13:26
Pyrene	1.67	1.14		mg/kg wet	68%	56 - 120	9081503	08/14/09 13:26
1-Methylnaphthalene	1.67	1.03		mg/kg wet	62%	36 - 120	9081503	08/14/09 13:26
2-Methylnaphthalene	1.67	1.08		mg/kg wet	65%	36 - 120	9081503	08/14/09 13:26

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D								
9081503-BS1								
Surrogate: Terphenyl-d14	1.67	1.17			70%	18 - 120	9081503	08/14/09 13:26
Surrogate: 2-Fluorobiphenyl	1.67	1.01			61%	14 - 120	9081503	08/14/09 13:26
Surrogate: Nitrobenzene-d5	1.67	0.953			57%	17 - 120	9081503	08/14/09 13:26
9081773-BS1								
Acenaphthene	1.67	1.43		mg/kg wet	86%	49 - 120	9081773	08/14/09 15:53
Acenaphthylene	1.67	1.49		mg/kg wet	90%	52 - 120	9081773	08/14/09 15:53
Anthracene	1.67	1.71		mg/kg wet	103%	58 - 120	9081773	08/14/09 15:53
Benzo (a) anthracene	1.67	1.62		mg/kg wet	97%	57 - 120	9081773	08/14/09 15:53
Benzo (a) pyrene	1.67	1.70		mg/kg wet	102%	55 - 120	9081773	08/14/09 15:53
Benzo (b) fluoranthene	1.67	1.82		mg/kg wet	109%	51 - 123	9081773	08/14/09 15:53
Benzo (g,h,i) perylene	1.67	1.53		mg/kg wet	92%	49 - 121	9081773	08/14/09 15:53
Benzo (k) fluoranthene	1.67	1.44		mg/kg wet	86%	42 - 129	9081773	08/14/09 15:53
Chrysene	1.67	1.56		mg/kg wet	94%	55 - 120	9081773	08/14/09 15:53
Dibenz (a,h) anthracene	1.67	1.60		mg/kg wet	96%	50 - 123	9081773	08/14/09 15:53
Fluoranthene	1.67	1.54		mg/kg wet	93%	58 - 120	9081773	08/14/09 15:53
Fluorene	1.67	1.44		mg/kg wet	86%	54 - 120	9081773	08/14/09 15:53
Indeno (1,2,3-cd) pyrene	1.67	1.59		mg/kg wet	95%	50 - 122	9081773	08/14/09 15:53
Naphthalene	1.67	1.22		mg/kg wet	73%	28 - 120	9081773	08/14/09 15:53
Phenanthrene	1.67	1.52		mg/kg wet	91%	56 - 120	9081773	08/14/09 15:53
Pyrene	1.67	1.70		mg/kg wet	102%	56 - 120	9081773	08/14/09 15:53
1-Methylnaphthalene	1.67	1.21		mg/kg wet	73%	36 - 120	9081773	08/14/09 15:53
2-Methylnaphthalene	1.67	1.23		mg/kg wet	74%	36 - 120	9081773	08/14/09 15:53
Surrogate: Terphenyl-d14	1.67	1.66			99%	18 - 120	9081773	08/14/09 15:53
Surrogate: 2-Fluorobiphenyl	1.67	1.38			83%	14 - 120	9081773	08/14/09 15:53
Surrogate: Nitrobenzene-d5	1.67	1.37			82%	17 - 120	9081773	08/14/09 15:53
9082723-BS1								
Acenaphthene	1.67	1.16		mg/kg wet	70%	49 - 120	9082723	08/19/09 02:26
Acenaphthylene	1.67	1.18		mg/kg wet	71%	52 - 120	9082723	08/19/09 02:26
Anthracene	1.67	1.43		mg/kg wet	86%	58 - 120	9082723	08/19/09 02:26
Benzo (a) anthracene	1.67	1.36		mg/kg wet	82%	57 - 120	9082723	08/19/09 02:26
Benzo (a) pyrene	1.67	1.39		mg/kg wet	83%	55 - 120	9082723	08/19/09 02:26
Benzo (b) fluoranthene	1.67	1.47		mg/kg wet	88%	51 - 123	9082723	08/19/09 02:26
Benzo (g,h,i) perylene	1.67	1.29		mg/kg wet	77%	49 - 121	9082723	08/19/09 02:26
Benzo (k) fluoranthene	1.67	1.17		mg/kg wet	70%	42 - 129	9082723	08/19/09 02:26
Chrysene	1.67	1.30		mg/kg wet	78%	55 - 120	9082723	08/19/09 02:26
Dibenz (a,h) anthracene	1.67	1.35		mg/kg wet	81%	50 - 123	9082723	08/19/09 02:26
Fluoranthene	1.67	1.35		mg/kg wet	81%	58 - 120	9082723	08/19/09 02:26
Fluorene	1.67	1.23		mg/kg wet	74%	54 - 120	9082723	08/19/09 02:26
Indeno (1,2,3-cd) pyrene	1.67	1.34		mg/kg wet	81%	50 - 122	9082723	08/19/09 02:26
Naphthalene	1.67	0.977		mg/kg wet	59%	28 - 120	9082723	08/19/09 02:26

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D								
9082723-BS1								
Phenanthrene	1.67	1.28		mg/kg wet	77%	56 - 120	9082723	08/19/09 02:26
Pyrene	1.67	1.39		mg/kg wet	84%	56 - 120	9082723	08/19/09 02:26
1-Methylnaphthalene	1.67	0.964		mg/kg wet	58%	36 - 120	9082723	08/19/09 02:26
2-Methylnaphthalene	1.67	1.01		mg/kg wet	61%	36 - 120	9082723	08/19/09 02:26
Surrogate: Terphenyl-d14	1.67	1.27			76%	18 - 120	9082723	08/19/09 02:26
Surrogate: 2-Fluorobiphenyl	1.67	1.02			61%	14 - 120	9082723	08/19/09 02:26
Surrogate: Nitrobenzene-d5	1.67	1.11			67%	17 - 120	9082723	08/19/09 02:26

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B												
9082980-BSD1												
Benzene		44.4		ug/kg	50.0	89%	78 - 126	8	50	9082980		08/18/09 16:44
Ethylbenzene		46.5		ug/kg	50.0	93%	79 - 130	7	50	9082980		08/18/09 16:44
Naphthalene		48.1		ug/kg	50.0	96%	72 - 150	5	50	9082980		08/18/09 16:44
Toluene		45.6		ug/kg	50.0	91%	76 - 126	9	50	9082980		08/18/09 16:44
Xylenes, total		147		ug/kg	150	98%	80 - 130	3	50	9082980		08/18/09 16:44
Surrogate: 1,2-Dichloroethane-d4		55.4		ug/kg	50.0	111%	67 - 138			9082980		08/18/09 16:44
Surrogate: Dibromofluoromethane		51.5		ug/kg	50.0	103%	75 - 125			9082980		08/18/09 16:44
Surrogate: Toluene-d8		49.9		ug/kg	50.0	100%	76 - 129			9082980		08/18/09 16:44
Surrogate: 4-Bromofluorobenzene		48.0		ug/kg	50.0	96%	67 - 147			9082980		08/18/09 16:44

9082986-BSD1												
Benzene		53.5		ug/kg	50.0	107%	78 - 126	14	50	9082986		08/18/09 13:12
Ethylbenzene		52.3		ug/kg	50.0	105%	79 - 130	5	50	9082986		08/18/09 13:12
Naphthalene		60.7		ug/kg	50.0	121%	72 - 150	8	50	9082986		08/18/09 13:12
Toluene		50.4		ug/kg	50.0	101%	76 - 126	5	50	9082986		08/18/09 13:12
Xylenes, total		158		ug/kg	150	105%	80 - 130	4	50	9082986		08/18/09 13:12
Surrogate: 1,2-Dichloroethane-d4		53.3		ug/kg	50.0	107%	67 - 138			9082986		08/18/09 13:12
Surrogate: Dibromofluoromethane		54.5		ug/kg	50.0	109%	75 - 125			9082986		08/18/09 13:12
Surrogate: Toluene-d8		48.8		ug/kg	50.0	98%	76 - 129			9082986		08/18/09 13:12
Surrogate: 4-Bromofluorobenzene		47.3		ug/kg	50.0	95%	67 - 147			9082986		08/18/09 13:12

Polyaromatic Hydrocarbons by EPA 8270D

9081773-BSD1												
Acenaphthene		1.81		mg/kg wet	1.67	108%	49 - 120	23	40	9081773		08/14/09 16:16
Acenaphthylene		1.90		mg/kg wet	1.67	114%	52 - 120	24	30	9081773		08/14/09 16:16
Anthracene		2.08	L	mg/kg wet	1.67	125%	58 - 120	20	50	9081773		08/14/09 16:16
Benzo (a) anthracene		1.98		mg/kg wet	1.67	119%	57 - 120	20	30	9081773		08/14/09 16:16
Benzo (a) pyrene		2.09	L	mg/kg wet	1.67	125%	55 - 120	20	33	9081773		08/14/09 16:16
Benzo (b) fluoranthene		1.98		mg/kg wet	1.67	119%	51 - 123	9	42	9081773		08/14/09 16:16
Benzo (g,h,i) perylene		1.90		mg/kg wet	1.67	114%	49 - 121	22	32	9081773		08/14/09 16:16
Benzo (k) fluoranthene		1.97		mg/kg wet	1.67	118%	42 - 129	31	39	9081773		08/14/09 16:16
Chrysene		1.93		mg/kg wet	1.67	116%	55 - 120	21	34	9081773		08/14/09 16:16
Dibenz (a,h) anthracene		1.94		mg/kg wet	1.67	117%	50 - 123	19	31	9081773		08/14/09 16:16
Fluoranthene		1.86		mg/kg wet	1.67	112%	58 - 120	19	35	9081773		08/14/09 16:16
Fluorene		1.85		mg/kg wet	1.67	111%	54 - 120	25	37	9081773		08/14/09 16:16
Indeno (1,2,3-cd) pyrene		1.91		mg/kg wet	1.67	115%	50 - 122	19	32	9081773		08/14/09 16:16
Naphthalene		1.47		mg/kg wet	1.67	88%	28 - 120	18	34	9081773		08/14/09 16:16
Phenanthrene		1.87		mg/kg wet	1.67	112%	56 - 120	21	32	9081773		08/14/09 16:16
Pyrene		2.08	L	mg/kg wet	1.67	124%	56 - 120	20	40	9081773		08/14/09 16:16
1-Methylnaphthalene		1.49		mg/kg wet	1.67	89%	36 - 120	21	45	9081773		08/14/09 16:16
2-Methylnaphthalene		1.52		mg/kg wet	1.67	91%	36 - 120	21	50	9081773		08/14/09 16:16

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D												
9081773-BSD1												
<i>Surrogate: Terphenyl-d14</i>		1.94		mg/kg wet	1.67	116%	18 - 120			9081773		08/14/09 16:16
<i>Surrogate: 2-Fluorobiphenyl</i>		1.67		mg/kg wet	1.67	100%	14 - 120			9081773		08/14/09 16:16
<i>Surrogate: Nitrobenzene-d5</i>		1.54		mg/kg wet	1.67	93%	17 - 120			9081773		08/14/09 16:16

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
9082986-MS1										
Benzene	ND	2.92		mg/kg dry	3.93	74%	42 - 141	9082986	NSH0586-08RE 1	08/18/09 22:14
Ethylbenzene	ND	2.81		mg/kg dry	3.93	72%	21 - 165	9082986	NSH0586-08RE 1	08/18/09 22:14
Naphthalene	0.475	2.77		mg/kg dry	3.93	59%	10 - 160	9082986	NSH0586-08RE 1	08/18/09 22:14
Toluene	0.237	3.01		mg/kg dry	3.93	71%	45 - 145	9082986	NSH0586-08RE 1	08/18/09 22:14
Xylenes, total	0.419	8.62		mg/kg dry	11.8	70%	31 - 159	9082986	NSH0586-08RE 1	08/18/09 22:14
Surrogate: 1,2-Dichloroethane-d4		44.0		ug/kg	50.0	88%	67 - 138	9082986	NSH0586-08RE 1	08/18/09 22:14
Surrogate: Dibromofluoromethane		45.2		ug/kg	50.0	90%	75 - 125	9082986	NSH0586-08RE 1	08/18/09 22:14
Surrogate: Toluene-d8		47.4		ug/kg	50.0	95%	76 - 129	9082986	NSH0586-08RE 1	08/18/09 22:14
Surrogate: 4-Bromofluorobenzene		48.1		ug/kg	50.0	96%	67 - 147	9082986	NSH0586-08RE 1	08/18/09 22:14
Polyaromatic Hydrocarbons by EPA 8270D										
9081503-MS1										
Acenaphthene	ND	1.12		mg/kg dry	1.72	65%	42 - 120	9081503	NSH0045-03	08/16/09 22:57
Acenaphthylene	ND	1.09		mg/kg dry	1.72	64%	32 - 120	9081503	NSH0045-03	08/16/09 22:57
Anthracene	ND	1.28		mg/kg dry	1.72	75%	10 - 200	9081503	NSH0045-03	08/16/09 22:57
Benzo (a) anthracene	ND	1.23		mg/kg dry	1.72	72%	41 - 120	9081503	NSH0045-03	08/16/09 22:57
Benzo (a) pyrene	ND	1.36		mg/kg dry	1.72	79%	33 - 121	9081503	NSH0045-03	08/16/09 22:57
Benzo (b) fluoranthene	0.0484	1.46		mg/kg dry	1.72	82%	26 - 137	9081503	NSH0045-03	08/16/09 22:57
Benzo (g,h,i) perylene	ND	0.798		mg/kg dry	1.72	46%	21 - 124	9081503	NSH0045-03	08/16/09 22:57
Benzo (k) fluoranthene	ND	1.34		mg/kg dry	1.72	78%	14 - 140	9081503	NSH0045-03	08/16/09 22:57
Chrysene	ND	1.18		mg/kg dry	1.72	69%	28 - 123	9081503	NSH0045-03	08/16/09 22:57
Dibenz (a,h) anthracene	ND	0.934		mg/kg dry	1.72	54%	25 - 127	9081503	NSH0045-03	08/16/09 22:57
Fluoranthene	0.0429	1.23		mg/kg dry	1.72	69%	38 - 120	9081503	NSH0045-03	08/16/09 22:57
Fluorene	ND	1.30		mg/kg dry	1.72	76%	41 - 120	9081503	NSH0045-03	08/16/09 22:57
Indeno (1,2,3-cd) pyrene	ND	0.915		mg/kg dry	1.72	53%	25 - 123	9081503	NSH0045-03	08/16/09 22:57
Naphthalene	ND	1.03		mg/kg dry	1.72	60%	25 - 120	9081503	NSH0045-03	08/16/09 22:57
Phenanthrene	ND	1.15		mg/kg dry	1.72	67%	37 - 120	9081503	NSH0045-03	08/16/09 22:57
Pyrene	ND	1.27		mg/kg dry	1.72	74%	29 - 125	9081503	NSH0045-03	08/16/09 22:57
1-Methylnaphthalene	ND	1.05		mg/kg dry	1.72	61%	19 - 120	9081503	NSH0045-03	08/16/09 22:57
2-Methylnaphthalene	ND	1.09		mg/kg dry	1.72	64%	11 - 120	9081503	NSH0045-03	08/16/09 22:57
Surrogate: Terphenyl-d14		1.22		mg/kg dry	1.72	71%	18 - 120	9081503	NSH0045-03	08/16/09 22:57
Surrogate: 2-Fluorobiphenyl		0.895		mg/kg dry	1.72	52%	14 - 120	9081503	NSH0045-03	08/16/09 22:57
Surrogate: Nitrobenzene-d5		0.868		mg/kg dry	1.72	51%	17 - 120	9081503	NSH0045-03	08/16/09 22:57

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D										
9081773-MS1										
Acenaphthene	ND	1.74		mg/kg dry	1.77	98%	42 - 120	9081773	NSG2706-01	08/14/09 16:40
Acenaphthylene	ND	1.75		mg/kg dry	1.77	99%	32 - 120	9081773	NSG2706-01	08/14/09 16:40
Anthracene	ND	1.92		mg/kg dry	1.77	108%	10 - 200	9081773	NSG2706-01	08/14/09 16:40
Benzo (a) anthracene	ND	1.78		mg/kg dry	1.77	100%	41 - 120	9081773	NSG2706-01	08/14/09 16:40
Benzo (a) pyrene	ND	1.90		mg/kg dry	1.77	107%	33 - 121	9081773	NSG2706-01	08/14/09 16:40
Benzo (b) fluoranthene	ND	1.89		mg/kg dry	1.77	107%	26 - 137	9081773	NSG2706-01	08/14/09 16:40
Benzo (g,h,i) perylene	ND	1.71		mg/kg dry	1.77	96%	21 - 124	9081773	NSG2706-01	08/14/09 16:40
Benzo (k) fluoranthene	ND	1.76		mg/kg dry	1.77	99%	14 - 140	9081773	NSG2706-01	08/14/09 16:40
Chrysene	ND	1.74		mg/kg dry	1.77	98%	28 - 123	9081773	NSG2706-01	08/14/09 16:40
Dibenz (a,h) anthracene	ND	1.81		mg/kg dry	1.77	102%	25 - 127	9081773	NSG2706-01	08/14/09 16:40
Fluoranthene	ND	1.72		mg/kg dry	1.77	97%	38 - 120	9081773	NSG2706-01	08/14/09 16:40
Fluorene	ND	1.71		mg/kg dry	1.77	96%	41 - 120	9081773	NSG2706-01	08/14/09 16:40
Indeno (1,2,3-cd) pyrene	ND	1.80		mg/kg dry	1.77	101%	25 - 123	9081773	NSG2706-01	08/14/09 16:40
Naphthalene	ND	1.40		mg/kg dry	1.77	79%	25 - 120	9081773	NSG2706-01	08/14/09 16:40
Phenanthrene	ND	1.74		mg/kg dry	1.77	98%	37 - 120	9081773	NSG2706-01	08/14/09 16:40
Pyrene	ND	1.91		mg/kg dry	1.77	108%	29 - 125	9081773	NSG2706-01	08/14/09 16:40
1-Methylnaphthalene	ND	1.41		mg/kg dry	1.77	80%	19 - 120	9081773	NSG2706-01	08/14/09 16:40
2-Methylnaphthalene	ND	1.45		mg/kg dry	1.77	82%	11 - 120	9081773	NSG2706-01	08/14/09 16:40
Surrogate: Terphenyl-d14		1.77		mg/kg dry	1.77	100%	18 - 120	9081773	NSG2706-01	08/14/09 16:40
Surrogate: 2-Fluorobiphenyl		1.44		mg/kg dry	1.77	81%	14 - 120	9081773	NSG2706-01	08/14/09 16:40
Surrogate: Nitrobenzene-d5		1.39		mg/kg dry	1.77	78%	17 - 120	9081773	NSG2706-01	08/14/09 16:40
9082723-MS1										
Acenaphthene	ND	1.26		mg/kg wet	1.66	76%	42 - 120	9082723	NSH0575-02RE 1	08/19/09 02:50
Acenaphthylene	ND	1.25		mg/kg wet	1.66	75%	32 - 120	9082723	NSH0575-02RE 1	08/19/09 02:50
Anthracene	ND	1.48		mg/kg wet	1.66	89%	10 - 200	9082723	NSH0575-02RE 1	08/19/09 02:50
Benzo (a) anthracene	ND	1.46		mg/kg wet	1.66	88%	41 - 120	9082723	NSH0575-02RE 1	08/19/09 02:50
Benzo (a) pyrene	ND	1.41		mg/kg wet	1.66	85%	33 - 121	9082723	NSH0575-02RE 1	08/19/09 02:50
Benzo (b) fluoranthene	ND	1.44		mg/kg wet	1.66	87%	26 - 137	9082723	NSH0575-02RE 1	08/19/09 02:50
Benzo (g,h,i) perylene	ND	1.30		mg/kg wet	1.66	78%	21 - 124	9082723	NSH0575-02RE 1	08/19/09 02:50
Benzo (k) fluoranthene	ND	1.27		mg/kg wet	1.66	76%	14 - 140	9082723	NSH0575-02RE 1	08/19/09 02:50
Chrysene	ND	1.38		mg/kg wet	1.66	83%	28 - 123	9082723	NSH0575-02RE 1	08/19/09 02:50

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D										
9082723-MS1										
Dibenz (a,h) anthracene	ND	1.36		mg/kg wet	1.66	82%	25 - 127	9082723	NSH0575-02RE I	08/19/09 02:50
Fluoranthene	0.111	1.52		mg/kg wet	1.66	84%	38 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
Fluorene	ND	1.34		mg/kg wet	1.66	81%	41 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
Indeno (1,2,3-cd) pyrene	ND	1.37		mg/kg wet	1.66	83%	25 - 123	9082723	NSH0575-02RE I	08/19/09 02:50
Naphthalene	ND	1.06		mg/kg wet	1.66	64%	25 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
Phenanthrene	0.114	1.53		mg/kg wet	1.66	85%	37 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
Pyrene	0.128	1.55		mg/kg wet	1.66	85%	29 - 125	9082723	NSH0575-02RE I	08/19/09 02:50
1-Methylnaphthalene	0.0826	1.21		mg/kg wet	1.66	67%	19 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
2-Methylnaphthalene	0.104	1.32		mg/kg wet	1.66	73%	11 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
Surrogate: Terphenyl-d14		1.26		mg/kg wet	1.66	76%	18 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
Surrogate: 2-Fluorobiphenyl		1.04		mg/kg wet	1.66	62%	14 - 120	9082723	NSH0575-02RE I	08/19/09 02:50
Surrogate: Nitrobenzene-d5		1.08		mg/kg wet	1.66	65%	17 - 120	9082723	NSH0575-02RE I	08/19/09 02:50

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B												
9082986-MSD1												
Benzene	ND	2.98		mg/kg dry	3.93	76%	42 - 141	2	50	9082986	NSH0586-08R E1	08/18/09 22:44
Ethylbenzene	ND	2.57		mg/kg dry	3.93	66%	21 - 165	9	50	9082986	NSH0586-08R E1	08/18/09 22:44
Naphthalene	0.475	2.53		mg/kg dry	3.93	52%	10 - 160	9	50	9082986	NSH0586-08R E1	08/18/09 22:44
Toluene	0.237	2.92		mg/kg dry	3.93	68%	45 - 145	3	50	9082986	NSH0586-08R E1	08/18/09 22:44
Xylenes, total	0.419	7.79		mg/kg dry	11.8	63%	31 - 159	10	50	9082986	NSH0586-08R E1	08/18/09 22:44
Surrogate: 1,2-Dichloroethane-d4		43.9		ug/kg	50.0	88%	67 - 138			9082986	NSH0586-08R E1	08/18/09 22:44
Surrogate: Dibromofluoromethane		45.0		ug/kg	50.0	90%	75 - 125			9082986	NSH0586-08R E1	08/18/09 22:44
Surrogate: Toluene-d8		47.1		ug/kg	50.0	94%	76 - 129			9082986	NSH0586-08R E1	08/18/09 22:44
Surrogate: 4-Bromofluorobenzene		47.7		ug/kg	50.0	95%	67 - 147			9082986	NSH0586-08R E1	08/18/09 22:44

Polyaromatic Hydrocarbons by EPA 8270D

9081503-MSD1

Acenaphthene	ND	0.964		mg/kg dry	1.71	56%	42 - 120	15	40	9081503	NSH0045-03	08/16/09 23:27
Acenaphthylene	ND	0.975		mg/kg dry	1.71	57%	32 - 120	12	30	9081503	NSH0045-03	08/16/09 23:27
Anthracene	ND	1.07		mg/kg dry	1.71	62%	10 - 200	18	50	9081503	NSH0045-03	08/16/09 23:27
Benzo (a) anthracene	ND	1.05		mg/kg dry	1.71	61%	41 - 120	16	30	9081503	NSH0045-03	08/16/09 23:27
Benzo (a) pyrene	ND	1.15		mg/kg dry	1.71	67%	33 - 121	17	33	9081503	NSH0045-03	08/16/09 23:27
Benzo (b) fluoranthene	0.0484	1.18		mg/kg dry	1.71	66%	26 - 137	21	42	9081503	NSH0045-03	08/16/09 23:27
Benzo (g,h,i) perylene	ND	0.766		mg/kg dry	1.71	45%	21 - 124	4	32	9081503	NSH0045-03	08/16/09 23:27
Benzo (k) fluoranthene	ND	1.15		mg/kg dry	1.71	67%	14 - 140	15	39	9081503	NSH0045-03	08/16/09 23:27
Chrysene	ND	1.01		mg/kg dry	1.71	59%	28 - 123	15	34	9081503	NSH0045-03	08/16/09 23:27
Dibenz (a,h) anthracene	ND	0.901		mg/kg dry	1.71	53%	25 - 127	4	31	9081503	NSH0045-03	08/16/09 23:27
Fluoranthene	0.0429	1.05		mg/kg dry	1.71	59%	38 - 120	16	35	9081503	NSH0045-03	08/16/09 23:27
Fluorene	ND	1.11		mg/kg dry	1.71	65%	41 - 120	16	37	9081503	NSH0045-03	08/16/09 23:27
Indeno (1,2,3-cd) pyrene	ND	0.876		mg/kg dry	1.71	51%	25 - 123	4	32	9081503	NSH0045-03	08/16/09 23:27
Naphthalene	ND	0.915		mg/kg dry	1.71	53%	25 - 120	12	42	9081503	NSH0045-03	08/16/09 23:27
Phenanthrene	ND	0.992		mg/kg dry	1.71	58%	37 - 120	15	32	9081503	NSH0045-03	08/16/09 23:27
Pyrene	ND	1.06		mg/kg dry	1.71	62%	29 - 125	18	40	9081503	NSH0045-03	08/16/09 23:27
1-Methylnaphthalene	ND	0.916		mg/kg dry	1.71	54%	19 - 120	14	45	9081503	NSH0045-03	08/16/09 23:27
2-Methylnaphthalene	ND	0.959		mg/kg dry	1.71	56%	11 - 120	13	50	9081503	NSH0045-03	08/16/09 23:27
Surrogate: Terphenyl-d14		1.06		mg/kg dry	1.71	62%	18 - 120			9081503	NSH0045-03	08/16/09 23:27
Surrogate: 2-Fluorobiphenyl		0.854		mg/kg dry	1.71	50%	14 - 120			9081503	NSH0045-03	08/16/09 23:27
Surrogate: Nitrobenzene-d5		0.790		mg/kg dry	1.71	46%	17 - 120			9081503	NSH0045-03	08/16/09 23:27

9081773-MSD1

Acenaphthene	ND	1.71		mg/kg dry	1.82	94%	42 - 120	2	40	9081773	NSG2706-01	08/14/09 17:03
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Client EEG - Small Business Group, Inc. (2449)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwee

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D												
9081773-MSD1												
Acenaphthylene	ND	1.75		mg/kg dry	1.82	96%	32 - 120	0.1	30	9081773	NSG2706-01	08/14/09 17:03
Anthracene	ND	1.91		mg/kg dry	1.82	105%	10 - 200	0.4	50	9081773	NSG2706-01	08/14/09 17:03
Benzo (a) anthracene	ND	1.82		mg/kg dry	1.82	100%	41 - 120	2	30	9081773	NSG2706-01	08/14/09 17:03
Benzo (a) pyrene	ND	1.87		mg/kg dry	1.82	102%	33 - 121	2	33	9081773	NSG2706-01	08/14/09 17:03
Benzo (b) fluoranthene	ND	2.03		mg/kg dry	1.82	111%	26 - 137	7	42	9081773	NSG2706-01	08/14/09 17:03
Benzo (g,h,i) perylene	ND	1.74		mg/kg dry	1.82	95%	21 - 124	2	32	9081773	NSG2706-01	08/14/09 17:03
Benzo (k) fluoranthene	ND	1.59		mg/kg dry	1.82	87%	14 - 140	10	39	9081773	NSG2706-01	08/14/09 17:03
Chrysene	ND	1.73		mg/kg dry	1.82	95%	28 - 123	0.5	34	9081773	NSG2706-01	08/14/09 17:03
Dibenz (a,h) anthracene	ND	1.82		mg/kg dry	1.82	100%	25 - 127	0.6	31	9081773	NSG2706-01	08/14/09 17:03
Fluoranthene	ND	1.72		mg/kg dry	1.82	94%	38 - 120	0.06	35	9081773	NSG2706-01	08/14/09 17:03
Fluorene	ND	1.72		mg/kg dry	1.82	94%	41 - 120	0.8	37	9081773	NSG2706-01	08/14/09 17:03
Indeno (1,2,3-cd) pyrene	ND	1.78		mg/kg dry	1.82	98%	25 - 123	1	32	9081773	NSG2706-01	08/14/09 17:03
Naphthalene	ND	1.36		mg/kg dry	1.82	75%	25 - 120	3	42	9081773	NSG2706-01	08/14/09 17:03
Phenanthrene	ND	1.71		mg/kg dry	1.82	94%	37 - 120	2	32	9081773	NSG2706-01	08/14/09 17:03
Pyrene	ND	1.90		mg/kg dry	1.82	104%	29 - 125	0.6	40	9081773	NSG2706-01	08/14/09 17:03
1-Methylnaphthalene	ND	1.40		mg/kg dry	1.82	77%	19 - 120	0.9	45	9081773	NSG2706-01	08/14/09 17:03
2-Methylnaphthalene	ND	1.41		mg/kg dry	1.82	77%	11 - 120	3	50	9081773	NSG2706-01	08/14/09 17:03
Surrogate: Terphenyl-d14		1.78		mg/kg dry	1.82	98%	18 - 120			9081773	NSG2706-01	08/14/09 17:03
Surrogate: 2-Fluorobiphenyl		1.42		mg/kg dry	1.82	78%	14 - 120			9081773	NSG2706-01	08/14/09 17:03
Surrogate: Nitrobenzene-d5		1.39		mg/kg dry	1.82	76%	17 - 120			9081773	NSG2706-01	08/14/09 17:03
9082723-MSD1												
Acenaphthene	ND	1.20		mg/kg wet	1.65	73%	42 - 120	5	40	9082723	NSH0575-02R E1	08/19/09 03:14
Acenaphthylene	ND	1.22		mg/kg wet	1.65	74%	32 - 120	3	30	9082723	NSH0575-02R E1	08/19/09 03:14
Anthracene	ND	1.38		mg/kg wet	1.65	84%	10 - 200	7	50	9082723	NSH0575-02R E1	08/19/09 03:14
Benzo (a) anthracene	ND	1.31		mg/kg wet	1.65	79%	41 - 120	11	30	9082723	NSH0575-02R E1	08/19/09 03:14
Benzo (a) pyrene	ND	1.32		mg/kg wet	1.65	80%	33 - 121	7	33	9082723	NSH0575-02R E1	08/19/09 03:14
Benzo (b) fluoranthene	ND	1.36		mg/kg wet	1.65	82%	26 - 137	6	42	9082723	NSH0575-02R E1	08/19/09 03:14
Benzo (g,h,i) perylene	ND	1.24		mg/kg wet	1.65	75%	21 - 124	4	32	9082723	NSH0575-02R E1	08/19/09 03:14
Benzo (k) fluoranthene	ND	1.18		mg/kg wet	1.65	71%	14 - 140	7	39	9082723	NSH0575-02R E1	08/19/09 03:14
Chrysene	ND	1.25		mg/kg wet	1.65	75%	28 - 123	10	34	9082723	NSH0575-02R E1	08/19/09 03:14
Dibenz (a,h) anthracene	ND	1.29		mg/kg wet	1.65	78%	25 - 127	5	31	9082723	NSH0575-02R E1	08/19/09 03:14
Fluoranthene	0.111	1.39		mg/kg wet	1.65	77%	38 - 120	9	35	9082723	NSH0575-02R E1	08/19/09 03:14
Fluorene	ND	1.27		mg/kg wet	1.65	77%	41 - 120	6	37	9082723	NSH0575-02R E1	08/19/09 03:14

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D												
9082723-MSD1												
Indeno (1,2,3-cd) pyrene	ND	1.27		mg/kg wet	1.65	77%	25 - 123	8	32	9082723	NSH0575-02R E1	08/19/09 03:14
Naphthalene	ND	0.938		mg/kg wet	1.65	57%	25 - 120	13	42	9082723	NSH0575-02R E1	08/19/09 03:14
Phenanthrene	0.114	1.38		mg/kg wet	1.65	77%	37 - 120	11	32	9082723	NSH0575-02R E1	08/19/09 03:14
Pyrene	0.128	1.47		mg/kg wet	1.65	81%	29 - 125	5	40	9082723	NSH0575-02R E1	08/19/09 03:14
1-Methylnaphthalene	0.0826	1.04		mg/kg wet	1.65	58%	19 - 120	15	45	9082723	NSH0575-02R E1	08/19/09 03:14
2-Methylnaphthalene	0.104	1.10		mg/kg wet	1.65	60%	11 - 120	19	50	9082723	NSH0575-02R E1	08/19/09 03:14
Surrogate: Terphenyl-d14		1.25		mg/kg wet	1.65	76%	18 - 120			9082723	NSH0575-02R E1	08/19/09 03:14
Surrogate: 2-Fluorobiphenyl		1.01		mg/kg wet	1.65	61%	14 - 120			9082723	NSH0575-02R E1	08/19/09 03:14
Surrogate: Nitrobenzene-d5		1.04		mg/kg wet	1.65	63%	17 - 120			9082723	NSH0575-02R E1	08/19/09 03:14

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

Work Order: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 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: NSH0586
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 08/07/09 08:00

DATA QUALIFIERS AND DEFINITIONS

E Concentration exceeds the calibration range and therefore result is semi-quantitative.
J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
Concentrations within this range are estimated.
L Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
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



NSH0586

COOLER RE

Cooler Received/Opened On 08 / 7 / 09 @ 08:00

1. Tracking # 5323 (last 4 digits, FedEx)

Courier: Fed Ex IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 22 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 16mm

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? (YES...NO...NA)

I certify that I opened the cooler and answered questions 1-6 (initial) A

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: ☒ Ice ☐ Ice-pack ☐ Ice (direct contact) ☐ Dry ice ☐ Other ☐ None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES.. NO ..NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

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

I certify that I unloaded the cooler and answered questions 7-14 (initial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO. (NA)

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES...NO...NA)

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) _____

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

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

TestAmerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-755-0980
Fax: 615-726-3404

Client Name/Account #: EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

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

Telephone Number: 843.412.2097

Sampler Name: (Print) *Per Hef 5142*

Sampler Signature: *[Signature]*

Fax No.: 843-879-0401

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

Compliance Monitoring? Yes ☐ No ☐
Enforcement Action? Yes ☐ No ☐

Site State: SC

PO#: 0829

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No of Containers Shipped	Grab	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Drinking Water	Sludge	Soil	Other (Specify)	BTEX + Naph - 82608	PAH - 8270D	Analyze For:	RUSH TAT (Pre-Schedule)
1442 DOVE - 1	8/5/09	0955	5	X					2									X			2		
1442 DOVE - 2	8/5/09	1115	5	X				2										X			2		
1449 DOVE	8/5/09	1010	5	X				2										X			2		
1436 DOVE	8/5/09	1430	5	X				2										X			2		
1437 DOVE	8/5/09	1545	5	X				2										X			2		
1453 CARDINAL	8/6/09	0955	5	X				2										X			2		
1454 CARDINAL	8/6/09	1330	5	X				2										X			2		
1457 CARDINAL	8/6/09	1605	5	X				2										X			2		

Special Instructions:

Relinquished by: *[Signature]* Date: 8/6/09 Time: 1900

Relinquished by: *[Signature]* Date: 8/17 Time: 8:00

Method of Shipment: FEDEX

Received by: *[Signature]* Date: 8/17 Time: 8:00

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

ATTACHMENT A



NON-HAZARDOUS MANIFEST

CWM

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

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1					
3. Generator's Name and Mailing Address MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904				A. Manifest Number WMNA 10885468							
4. Generator's Phone 843 228-6480				B. State Generator's ID							
5. Transporter 1 Company Name EEG, Inc.		6. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone 843 879-0411					
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29936		10. US EPA ID Number		G. State Facility's ID		H. Facility's Phone 843 987-4643					
11. Description of Waste Materials				12. Containers No. Type		13. Total Quantity		14. Unit Wt./Vol		15. Misc. Comments	
a. Heating Oil Tank filled with Sand				WM Profile # 102855SC		0 0 1		10.28		TN	
b.				WM Profile #							
c.				WM Profile #							
d.				WM Profile #							
J. Additional Descriptions for Materials Listed Above Landfill _____ Solidification _____ Bio Remediation _____				K. Disposal Location Cell _____ Level _____ Grid _____							
15. Special Handling Instructions and Additional Information GEN UST'S from 3) 1437 DOVE ✓ 1) 1449 DOVE ✓ 4) 1453 CARDINAL ✓ Purchase Order # 3) 1434 DOVE ✓				EMERGENCY CONTACT: 5) 1454 CARDINAL ✓ 6) 1457 CARDINAL ✓							
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 D.G. Dubois, Jr.				Signature "On behalf of" [Signature]				Month Day Year 08 12 09			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name [Signature]				Signature [Signature]				Month Day Year [Signature]			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name James Baldwin				Signature James Baldwin				Month Day Year 09 10 09			
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.											
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest. Printed/Typed Name Jan Collins				Signature [Signature]				Month Day Year 09 09 09			

Appendix C
Laboratory Analytical Report - Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: QB06006-008
Description: BEALB1454TW01WG20150205	Matrix: Aqueous
Date Sampled: 02/05/2015 1040	
Date Received: 02/06/2015	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2015 1310	EH1		67618

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.40	U	1.0	0.40	0.13	ug/L	1
Ethylbenzene	100-41-4	8260B	0.50	U	1.0	0.50	0.33	ug/L	1
Naphthalene	91-20-3	8260B	0.20	U	1.0	0.20	0.40	ug/L	1
Toluene	108-88-3	8260B	0.50	U	1.0	0.50	0.33	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.40	U	1.0	0.40	0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-120
Bromofluorobenzene		100	75-120
Toluene-d8		99	85-120
Dibromofluoromethane		97	85-115

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

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

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**Laboratory ID: **QB06006-008**Description: **BEALB1454TW01WG20150205**Matrix: **Aqueous**Date Sampled: **02/05/2015 1040**Date Received: **02/06/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	3520C	8270D (SIM)	50	02/19/2015 1255	RBH	02/10/2015 1512	67395

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D (SIM)	2.0	UQ	10	2.0	0.95	ug/L	2
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	2.0	UQ	10	2.0	0.95	ug/L	2
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	2.0	UQ	10	2.0	1.2	ug/L	2
Chrysene	218-01-9	8270D (SIM)	2.0	UQ	10	2.0	1.1	ug/L	2
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	4.0	UQ	10	4.0	2.0	ug/L	2
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
2-Methylnaphthalene-d10		59	15-139						
Fluoranthene-d10	N	18	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

April 1, 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,

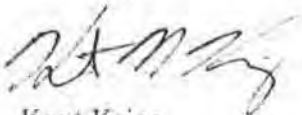
The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tank Assessment Reports for the addresses listed above. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina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

Attachment to: Krieg to Drawdy
Subject: IGWA
Dated 4/1/2014

Laurel Bay Underground Storage Tank Assessment Reports for: (25 addresses/26 tanks)

1187 Bobwhite	1456 Cardinal
1431 Dove	1457 Cardinal
1433 Dove	1461 Cardinal
1435 Dove Tank #1	1465 Cardinal
1435 Dove Tank #2	1467 Cardinal
1437 Dove	1469 Cardinal
1439 Dove	1470 Cardinal
1441 Dove	1471 Cardinal
1447 Dove	1473 Cardinal
1449 Dove	1477 Cardinal
1451 Dove	1478 Cardinal
1452 Cardinal	1479 Cardinal
1454 Cardinal	1485 Cardinal



May 5, 2015

W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

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

RE: Correction - Recommendation Concurrence
Draft Final Initial Groundwater Investigation Report
Dated April 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the 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 3 stated addresses. For the remaining 23 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time. *Note the correction to the attachment, properly referencing 1431 Dove and 1435 Dove Tank 1 and Tank 2 in the Permanent Monitoring Well Investigation recommendation section.*

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

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

Sincerely,

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

Attachment: Specific Property Recommendations

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



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

Attachment to: Krieg to Drawdy
Subject: Draft Final Initial Groundwater Investigation Report - April 2015
Specific Property Recommendations
Dated 5/5/2015

Draft Final Initial Groundwater Investigation Report for: (26 addresses/28 tanks)

Permanent Monitoring Well Investigation recommendation (3 addresses/4 tanks):	
1431 Dove	1435 Dove Tank 2
1435 Dove Tank 1	1452 Cardinal
No Further Action recommendation (23 addresses/24 tanks):	
1187 Bobwhite	1463 Cardinal
1433 Dove	1465 Cardinal
1437 Dove	1467 Cardinal
1439 Dove	1469 Cardinal
1441 Dove	1470 Cardinal
1447 Dove	1473 Cardinal
1449 Dove	1471 Cardinal
1451 Dove	1477 Cardinal
1454 Cardinal	1478 Cardinal
1456 Cardinal	1479 Cardinal Tank 1
1457 Cardinal	1479 Cardinal Tank 2
1461 Cardinal	1485 Cardinal