

**SUMMARY REPORT
193 IRIS LANE (FORMERLY 1110 IRIS 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
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**Contract Number: N62470-14-D-9016
CTO WE52
JUNE 2021**

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List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 193 Iris Lane (Formerly 1110 Iris 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 193 Iris Lane (Formerly 1110 Iris Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1110 Iris Lane* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

On June 16, 2009, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the house at 193 Iris Lane (Formerly 1110 Iris 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 6'2" 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 193 Iris Lane (Formerly 1110 Iris Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 24, 2016, SCDHEC requested an IGWA for 193 Iris Lane (Formerly 1110 Iris Lane) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On March 7, 2017, a temporary monitoring well was installed at 193 Iris Lane (Formerly 1110 Iris 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 in Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017).

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

2.4 Groundwater Analytical Results

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

The groundwater results collected from 193 Iris Lane (Formerly 1110 Iris 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 193 Iris Lane (Formerly 1110 Iris Lane). This NFA determination was obtained in a letter dated July 27, 2017. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1110 Iris Lane, Laurel Bay Military Housing Area*, September 2009.

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

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

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

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

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

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

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

Tables

Table 1
Laboratory Analytical Results - Soil
193 Iris Lane (Formerly 1110 Iris Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 06/16/09
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
193 Iris Lane (Formerly 1110 Iris Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 03/08/17
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	ND
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

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

Date Received

State Use Only

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

RECEIVED

SEP 23 2009

SITE ASSESSMENT,
 REMEDIATION &
 REVITALIZATION

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

1110 Iris Lane, Laurel Bay Military Housing Area
 Street Address or State Road (as applicable)

Beaufort, Beaufort
 City County

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

My policy provider is: _____
The policy deductible is: _____
The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

Notary Public for the state of _____

Please affix State seal if you are commissioned outside South Carolina

VI. UST INFORMATION

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

1110Iris				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
6'2"				
No				
No				
Removed				
6/16/09				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1110Iris 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 1110Iris 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 through out 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.

1110Iris				
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? *Mild odor noted in excavation. 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 96012001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1110Iris	Excav at fill end	Soil	Sandy	6'2"	6/16/09 1525 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.

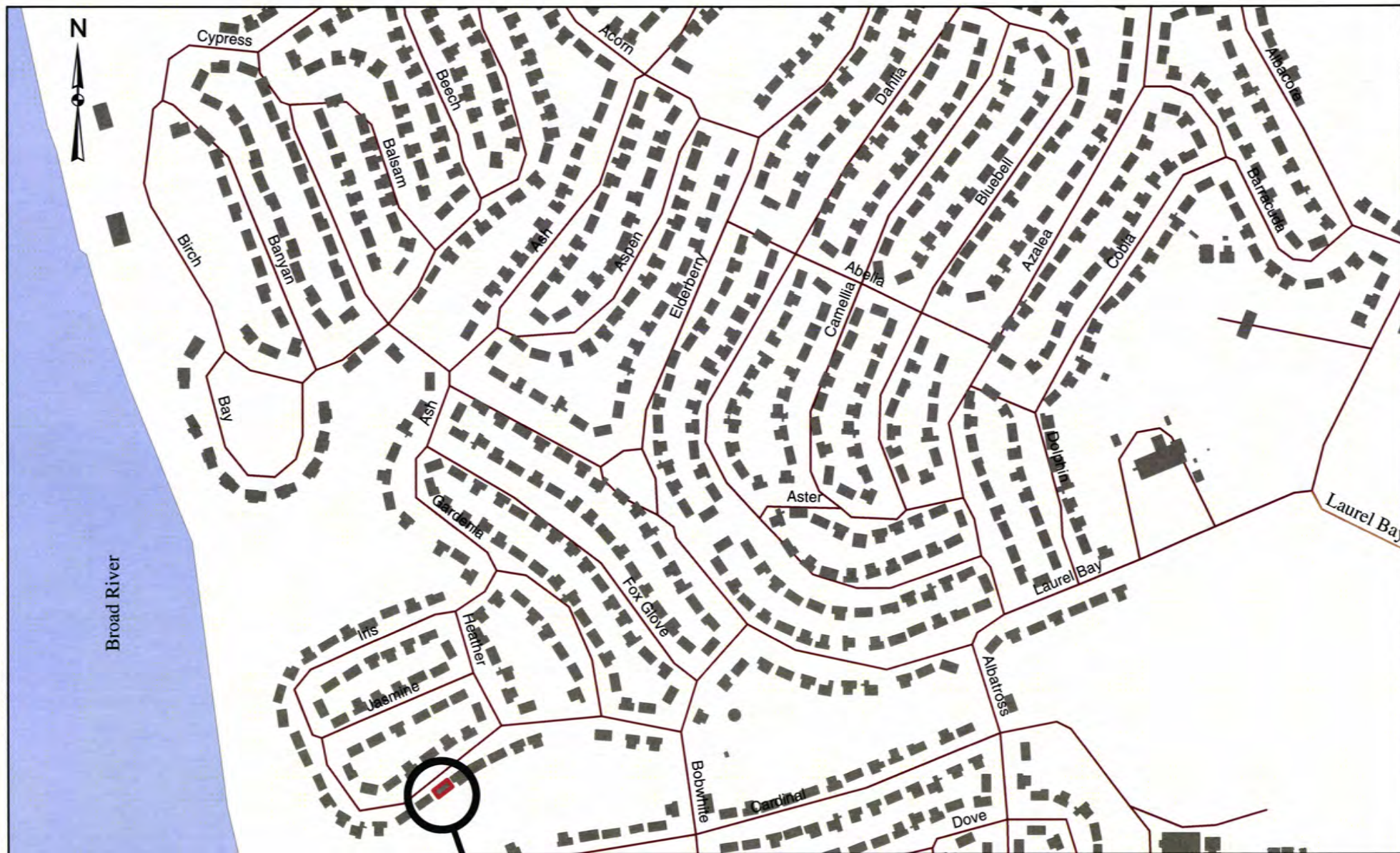
XII. RECEPTORS

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

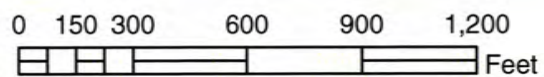
XIII. SITE MAP

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

(Attach Site Map Here)



1110 IRIS LANE



SBG-EEG, Inc.

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

Ph. (843) 879-0400

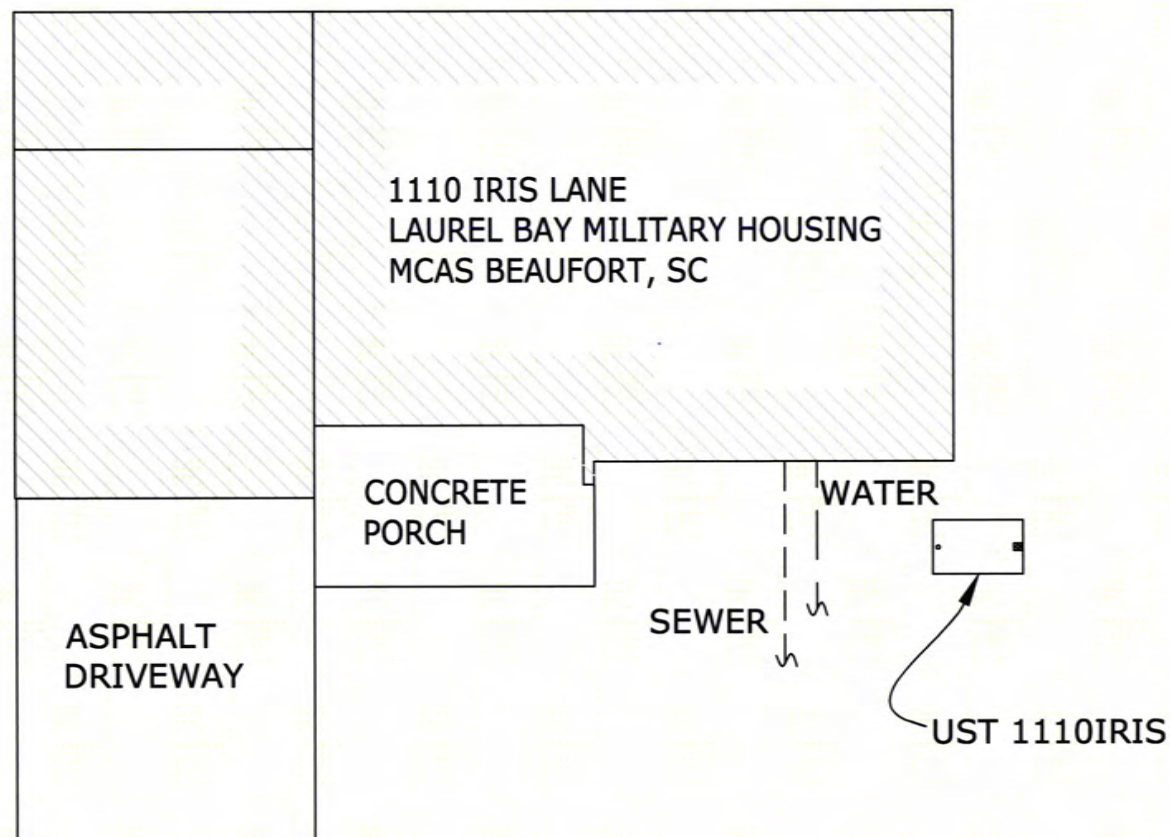
Drawn By: L. DiAsio

Dwg Date: July 2009

FIGURE 1: LOCATION MAP
1110 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC



BROAD RIVER ~770'



GRAPHIC SCALE

0 5' 10' 20'

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
1110 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE JULY 2009

1110 IRIS LANE

BROAD RIVER ~770'

CONCRETE
PORCH

GRASS

SEWER

WATER

EXCAVATION

FILL END

SOIL SAMPLE
1110 IRIS

UST 1110IRIS,
280 GAL.

GRAPHIC SCALE
0 5'

UST 1110IRIS WAS
38" BELOW GRADE.

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1110 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE JULY 2009



Picture 1: UST 1110Iris was located between the plywood and the corner of the house.



Picture 2: UST 1110Iris during excavation.

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	1110Iris						
Benzene	ND							
Toluene	ND							
Ethylbenzene	ND							
Xylenes	ND							
Naphthalene	ND							
Benzo (a) anthracene	ND							
Benzo (b) fluoranthene	ND							
Benzo (k) fluoranthene	ND							
Chrysene	ND							
Dibenz (a, h) anthracene	ND							
TPH (EPA 3550)								

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

June 30, 2009

6:05:14PM

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 08087
Date Received: 06/19/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1070 Heather	NSF1964-01	06/15/09 09:50
1072 Heather	NSF1964-02	06/15/09 10:00
1077 Heather	NSF1964-03	06/16/09 09:25
1104 Iris	NSF1964-04	06/16/09 09:50
1110 Iris	NSF1964-05	06/16/09 15:25
1111 Iris-1	NSF1964-06	06/17/09 09:25
1111 Iris-2	NSF1964-07	06/17/09 11:00
1107 Iris	NSF1964-08	06/17/09 10:00
1114 Iris	NSF1964-09	06/17/09 14:25
1126 Iris	NSF1964-10	06/18/09 11:40
1132 Iris	NSF1964-11	06/18/09 11:50

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, 3 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: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-01 (1070 Heather - Soil) Sampled: 06/15/09 09:50								
General Chemistry Parameters								
% Dry Solids	77.7		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00182	1	06/24/09 03:14	SW846 8260B	9064047
Ethylbenzene	0.0307		mg/kg dry	0.00182	1	06/24/09 03:14	SW846 8260B	9064047
Naphthalene	0.258	E	mg/kg dry	0.00454	1	06/24/09 03:14	SW846 8260B	9064047
Toluene	ND		mg/kg dry	0.00182	1	06/24/09 03:14	SW846 8260B	9064047
Xylenes, total	0.0309		mg/kg dry	0.00454	1	06/24/09 03:14	SW846 8260B	9064047
Surr: 1,2-Dichloroethane-d4 (67-138%)	89 %					06/24/09 03:14	SW846 8260B	9064047
Surr: Dibromofluoromethane (75-125%)	103 %					06/24/09 03:14	SW846 8260B	9064047
Surr: Toluene-d8 (76-129%)	109 %					06/24/09 03:14	SW846 8260B	9064047
Surr: 4-Bromofluorobenzene (67-147%)	125 %					06/24/09 03:14	SW846 8260B	9064047
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Anthracene	0.124		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Benzo (a) anthracene	0.0935		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Benzo (b) fluoranthene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Chrysene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Fluoranthene	0.229		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Naphthalene	0.554		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Phenanthrene	1.42		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
Pyrene	0.320		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
1-Methylnaphthalene	3.46		mg/kg dry	0.0862	1	06/26/09 01:29	SW846 8270D	9063817
2-Methylnaphthalene	4.35		mg/kg dry	0.172	2	06/26/09 14:33	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	86 %					06/26/09 01:29	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	67 %					06/26/09 01:29	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	70 %					06/26/09 01:29	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-02 (1072 Heather - Soil) Sampled: 06/15/09 10:00								
General Chemistry Parameters								
% Dry Solids	84.1		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	0.0726		mg/kg dry	0.00189	1	06/24/09 03:43	SW846 8260B	9064047
Ethylbenzene	0.254		mg/kg dry	0.0962	50	06/24/09 16:52	SW846 8260B	9064048
Naphthalene	78.6		mg/kg dry	4.81	1000	06/24/09 17:22	SW846 8260B	9064048
Toluene	0.180	B	mg/kg dry	0.0962	50	06/24/09 16:52	SW846 8260B	9064048
Xylenes, total	0.987		mg/kg dry	0.241	50	06/24/09 16:52	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	91 %					06/24/09 03:43	SW846 8260B	9064047
Surr: 1,2-Dichloroethane-d4 (67-138%)	95 %					06/24/09 16:52	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	79 %					06/24/09 17:22	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	102 %					06/24/09 03:43	SW846 8260B	9064047
Surr: Dibromofluoromethane (75-125%)	95 %					06/24/09 16:52	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	85 %					06/24/09 17:22	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	903 %	ZX				06/24/09 03:43	SW846 8260B	9064047
Surr: Toluene-d8 (76-129%)	99 %					06/24/09 16:52	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	101 %					06/24/09 17:22	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	376 %	ZX				06/24/09 03:43	SW846 8260B	9064047
Surr: 4-Bromofluorobenzene (67-147%)	97 %					06/24/09 16:52	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	100 %					06/24/09 17:22	SW846 8260B	9064048
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	1.30		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Acenaphthylene	0.360		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Anthracene	0.967		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Benzo (a) anthracene	0.519		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Benzo (a) pyrene	0.185		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Benzo (b) fluoranthene	0.204		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Benzo (k) fluoranthene	0.210		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Chrysene	0.501		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Fluoranthene	1.99		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Fluorene	2.75		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
Naphthalene	6.18		mg/kg dry	0.388	5	06/26/09 14:56	SW846 8270D	9063817
Phenanthrene	7.31		mg/kg dry	0.388	5	06/26/09 14:56	SW846 8270D	9063817
Pyrene	2.50		mg/kg dry	0.0775	1	06/26/09 01:51	SW846 8270D	9063817
1-Methylnaphthalene	35.8		mg/kg dry	1.94	25	06/26/09 16:50	SW846 8270D	9063817
2-Methylnaphthalene	54.9		mg/kg dry	1.94	25	06/26/09 16:50	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	93 %					06/26/09 01:51	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	79 %					06/26/09 01:51	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	49 %					06/26/09 01:51	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-03 (1077 Heather - Soil) Sampled: 06/16/09 09:25								
General Chemistry Parameters								
% Dry Solids	80.6		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00166	1	06/24/09 15:23	SW846 8260B	9064048
Ethylbenzene	0.0276		mg/kg dry	0.00166	1	06/24/09 15:23	SW846 8260B	9064048
Naphthalene	0.110		mg/kg dry	0.00415	1	06/24/09 15:23	SW846 8260B	9064048
Toluene	ND		mg/kg dry	0.00166	1	06/24/09 15:23	SW846 8260B	9064048
Xylenes, total	0.0285		mg/kg dry	0.00415	1	06/24/09 15:23	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	88 %					06/24/09 15:23	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	102 %					06/24/09 15:23	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	125 %					06/24/09 15:23	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	459 %	ZX				06/24/09 15:23	SW846 8260B	9064048
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Anthracene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Benzo (a) anthracene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Benzo (b) fluoranthene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Chrysene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Fluoranthene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Naphthalene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Phenanthrene	0.733		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Pyrene	ND		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
1-Methylnaphthalene	0.793		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
2-Methylnaphthalene	1.21		mg/kg dry	0.0828	1	06/26/09 02:14	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	70 %					06/26/09 02:14	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	56 %					06/26/09 02:14	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	54 %					06/26/09 02:14	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-04 (1104 Iris - Soil) Sampled: 06/16/09 09:50								
General Chemistry Parameters								
% Dry Solids	81.1		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00183	1	06/24/09 15:53	SW846 8260B	9064048
Ethylbenzene	0.00379		mg/kg dry	0.00183	1	06/24/09 15:53	SW846 8260B	9064048
Naphthalene	0.0718		mg/kg dry	0.00458	1	06/24/09 15:53	SW846 8260B	9064048
Toluene	ND		mg/kg dry	0.00183	1	06/24/09 15:53	SW846 8260B	9064048
Xylenes, total	0.00994		mg/kg dry	0.00458	1	06/24/09 15:53	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	84 %					06/24/09 15:53	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	92 %					06/24/09 15:53	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	108 %					06/24/09 15:53	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	109 %					06/24/09 15:53	SW846 8260B	9064048
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Anthracene	0.830		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Benzo (a) anthracene	1.41		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Benzo (a) pyrene	0.666		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Benzo (b) fluoranthene	0.793		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Benzo (g,h,i) perylene	0.228		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Benzo (k) fluoranthene	0.673		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Chrysene	1.50		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Fluoranthene	3.21		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	0.245		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Naphthalene	1.37		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
Phenanthrene	6.01		mg/kg dry	0.406	5	06/26/09 15:18	SW846 8270D	9063817
Pyrene	3.86		mg/kg dry	0.0812	1	06/26/09 02:36	SW846 8270D	9063817
1-Methylnaphthalene	10.1		mg/kg dry	0.406	5	06/26/09 15:18	SW846 8270D	9063817
2-Methylnaphthalene	15.2		mg/kg dry	0.406	5	06/26/09 15:18	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	78 %					06/26/09 02:36	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	72 %					06/26/09 02:36	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	44 %					06/26/09 02:36	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-05 (1110 Iris - Soil) Sampled: 06/16/09 15:25								
General Chemistry Parameters								
% Dry Solids	77.3		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00206	1	06/25/09 16:41	SW846 8260B	9064251
Ethylbenzene	ND		mg/kg dry	0.00206	1	06/25/09 16:41	SW846 8260B	9064251
Naphthalene	ND	RLI	mg/kg dry	0.266	50	06/28/09 04:52	SW846 8260B	9064427
Toluene	ND		mg/kg dry	0.00206	1	06/25/09 16:41	SW846 8260B	9064251
Xylenes, total	ND		mg/kg dry	0.00515	1	06/25/09 16:41	SW846 8260B	9064251
Surr: 1,2-Dichloroethane-d4 (67-138%)	104 %					06/25/09 16:41	SW846 8260B	9064251
Surr: 1,2-Dichloroethane-d4 (67-138%)	99 %					06/28/09 04:52	SW846 8260B	9064427
Surr: Dibromofluoromethane (75-125%)	113 %					06/25/09 16:41	SW846 8260B	9064251
Surr: Dibromofluoromethane (75-125%)	119 %					06/28/09 04:52	SW846 8260B	9064427
Surr: Toluene-d8 (76-129%)	116 %					06/25/09 16:41	SW846 8260B	9064251
Surr: Toluene-d8 (76-129%)	96 %					06/28/09 04:52	SW846 8260B	9064427
Surr: 4-Bromofluorobenzene (67-147%)	112 %					06/25/09 16:41	SW846 8260B	9064251
Surr: 4-Bromofluorobenzene (67-147%)	105 %					06/28/09 04:52	SW846 8260B	9064427
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Anthracene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Benzo (a) anthracene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Benzo (b) fluoranthene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Benzo (g,h,i) perylene	0.206		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Chrysene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Fluoranthene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Naphthalene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Phenanthrene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Pyrene	0.368		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
1-Methylnaphthalene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
2-Methylnaphthalene	ND		mg/kg dry	0.169	2	06/26/09 12:16	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	73 %					06/26/09 12:16	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	58 %					06/26/09 12:16	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	43 %					06/26/09 12:16	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-06 (1111 Iris-1 - Soil) Sampled: 06/17/09 09:25								
General Chemistry Parameters								
% Dry Solids	82.8		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00193	1	06/24/09 18:34	SW846 8260B	9064048
Ethylbenzene	ND		mg/kg dry	0.00193	1	06/24/09 18:34	SW846 8260B	9064048
Naphthalene	ND		mg/kg dry	0.00483	1	06/24/09 18:34	SW846 8260B	9064048
Toluene	ND		mg/kg dry	0.00193	1	06/24/09 18:34	SW846 8260B	9064048
Xylenes, total	ND		mg/kg dry	0.00483	1	06/24/09 18:34	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	90 %					06/24/09 18:34	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	92 %					06/24/09 18:34	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	99 %					06/24/09 18:34	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	103 %					06/24/09 18:34	SW846 8260B	9064048
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Anthracene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Benzo (a) anthracene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Benzo (b) fluoranthene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Chrysene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Fluoranthene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Naphthalene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Phenanthrene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Pyrene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
1-Methylnaphthalene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
2-Methylnaphthalene	ND		mg/kg dry	0.0809	1	06/26/09 12:38	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	70 %					06/26/09 12:38	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	57 %					06/26/09 12:38	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	59 %					06/26/09 12:38	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-07 (1111 Iris-2 - Soil) Sampled: 06/17/09 11:00								
General Chemistry Parameters								
% Dry Solids	85.0		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00210	1	06/24/09 19:03	SW846 8260B	9064048
Ethylbenzene	ND		mg/kg dry	0.00210	1	06/24/09 19:03	SW846 8260B	9064048
Naphthalene	ND		mg/kg dry	0.00526	1	06/24/09 19:03	SW846 8260B	9064048
Toluene	ND		mg/kg dry	0.00210	1	06/24/09 19:03	SW846 8260B	9064048
Xylenes, total	ND		mg/kg dry	0.00526	1	06/24/09 19:03	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	91 %					06/24/09 19:03	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	94 %					06/24/09 19:03	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	100 %					06/24/09 19:03	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	100 %					06/24/09 19:03	SW846 8260B	9064048
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Anthracene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Benzo (a) anthracene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Benzo (b) fluoranthene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Chrysene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Fluoranthene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Naphthalene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Phenanthrene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Pyrene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
1-Methylnaphthalene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
2-Methylnaphthalene	ND		mg/kg dry	0.0781	1	06/26/09 13:01	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	69 %					06/26/09 13:01	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	65 %					06/26/09 13:01	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	63 %					06/26/09 13:01	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-08 (1107 Iris - Soil) Sampled: 06/17/09 10:00								
General Chemistry Parameters								
% Dry Solids	86.8		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	0.00818		mg/kg dry	0.00207	1	06/24/09 19:33	SW846 8260B	9064048
Ethylbenzene	2.76		mg/kg dry	0.110	50	06/25/09 18:57	SW846 8260B	9064251
Naphthalene	21.9		mg/kg dry	5.52	1000	06/25/09 20:09	SW846 8260B	9064251
Toluene	0.0136	B	mg/kg dry	0.00207	1	06/24/09 19:33	SW846 8260B	9064048
Xylenes, total	6.80		mg/kg dry	0.276	50	06/25/09 18:57	SW846 8260B	9064251
Surr: 1,2-Dichloroethane-d4 (67-138%)	97 %					06/24/09 19:33	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	98 %					06/25/09 18:57	SW846 8260B	9064251
Surr: 1,2-Dichloroethane-d4 (67-138%)	93 %					06/25/09 20:09	SW846 8260B	9064251
Surr: Dibromofluoromethane (75-125%)	104 %					06/24/09 19:33	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	98 %					06/25/09 18:57	SW846 8260B	9064251
Surr: Dibromofluoromethane (75-125%)	97 %					06/25/09 20:09	SW846 8260B	9064251
Surr: Toluene-d8 (76-129%)	122 %					06/24/09 19:33	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	103 %					06/25/09 18:57	SW846 8260B	9064251
Surr: Toluene-d8 (76-129%)	98 %					06/25/09 20:09	SW846 8260B	9064251
Surr: 4-Bromofluorobenzene (67-147%)	319 %	ZX				06/24/09 19:33	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	115 %					06/25/09 18:57	SW846 8260B	9064251
Surr: 4-Bromofluorobenzene (67-147%)	95 %					06/25/09 20:09	SW846 8260B	9064251
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Anthracene	1.28		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Benzo (a) anthracene	1.02		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Benzo (a) pyrene	0.467		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Benzo (b) fluoranthene	0.514		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Benzo (g,h,i) perylene	ND		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Benzo (k) fluoranthene	0.511		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Chrysene	0.912		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Fluoranthene	2.53		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Naphthalene	7.48		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Phenanthrene	8.74		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
Pyrene	3.00		mg/kg dry	0.383	5	06/26/09 15:41	SW846 8270D	9063817
1-Methylnaphthalene	17.1		mg/kg dry	1.91	25	06/27/09 05:09	SW846 8270D	9063817
2-Methylnaphthalene	26.1		mg/kg dry	1.91	25	06/27/09 05:09	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	61 %					06/26/09 15:41	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	62 %					06/26/09 15:41	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	45 %					06/26/09 15:41	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-09 (1114 Iris - Soil) Sampled: 06/17/09 14:25								
General Chemistry Parameters								
% Dry Solids	78.0		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00234	1	06/25/09 15:42	SW846 8260B	9064251
Ethylbenzene	ND		mg/kg dry	0.00234	1	06/25/09 15:42	SW846 8260B	9064251
Naphthalene	ND		mg/kg dry	0.00586	1	06/25/09 15:42	SW846 8260B	9064251
Toluene	0.00245		mg/kg dry	0.00234	1	06/25/09 15:42	SW846 8260B	9064251
Xylenes, total	ND		mg/kg dry	0.00586	1	06/25/09 15:42	SW846 8260B	9064251
Surr: 1,2-Dichloroethane-d4 (67-138%)	84 %					06/25/09 15:42	SW846 8260B	9064251
Surr: Dibromofluoromethane (75-125%)	93 %					06/25/09 15:42	SW846 8260B	9064251
Surr: Toluene-d8 (76-129%)	103 %					06/25/09 15:42	SW846 8260B	9064251
Surr: 4-Bromofluorobenzene (67-147%)	115 %					06/25/09 15:42	SW846 8260B	9064251
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Acenaphthylene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Anthracene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Benzo (a) anthracene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Benzo (b) fluoranthene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Benzo (g,h,i) perylene	0.282		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Chrysene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Fluoranthene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	0.253		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Naphthalene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Phenanthrene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Pyrene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
1-Methylnaphthalene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
2-Methylnaphthalene	ND		mg/kg dry	0.168	2	06/26/09 13:24	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	68 %					06/26/09 13:24	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	52 %					06/26/09 13:24	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	53 %					06/26/09 13:24	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-10 (1126 Iris - Soil) Sampled: 06/18/09 11:40								
General Chemistry Parameters								
% Dry Solids	78.3		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00169	1	06/24/09 20:32	SW846 8260B	9064048
Ethylbenzene	0.0469		mg/kg dry	0.00169	1	06/24/09 20:32	SW846 8260B	9064048
Naphthalene	3.13		mg/kg dry	0.290	50	06/25/09 18:28	SW846 8260B	9064251
Toluene	0.00209	B	mg/kg dry	0.00169	1	06/24/09 20:32	SW846 8260B	9064048
Xylenes, total	0.232		mg/kg dry	0.00422	1	06/24/09 20:32	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	106 %					06/24/09 20:32	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	97 %					06/25/09 18:28	SW846 8260B	9064251
Surr: Dibromofluoromethane (75-125%)	115 %					06/24/09 20:32	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	97 %					06/25/09 18:28	SW846 8260B	9064251
Surr: Toluene-d8 (76-129%)	114 %					06/24/09 20:32	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	93 %					06/25/09 18:28	SW846 8260B	9064251
Surr: 4-Bromofluorobenzene (67-147%)	210 %	ZX				06/24/09 20:32	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	102 %					06/25/09 18:28	SW846 8260B	9064251
Polyaromatic Hydrocarbons by EPA 8270D								
Accenaphthene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Accenaphthylene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Anthracene	0.233		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Benzo (a) anthracene	0.120		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Benzo (b) fluoranthene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Chrysene	0.115		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Fluoranthene	0.350		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Fluorene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Naphthalene	ND		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Phenanthrene	1.33		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Pyrene	0.447		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
1-Methylnaphthalene	1.92		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
2-Methylnaphthalene	1.91		mg/kg dry	0.0830	1	06/26/09 13:47	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	74 %					06/26/09 13:47	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	63 %					06/26/09 13:47	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	58 %					06/26/09 13:47	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF1964-11 (1132 Iris - Soil) Sampled: 06/18/09 11:50								
General Chemistry Parameters								
% Dry Solids	81.7		%	0.500	1	06/30/09 09:15	SW-846	9064652
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00221	1	06/24/09 21:02	SW846 8260B	9064048
Ethylbenzene	1.48		mg/kg dry	0.109	50	06/24/09 21:32	SW846 8260B	9064048
Naphthalene	10.5	MHA	mg/kg dry	0.272	50	06/24/09 21:32	SW846 8260B	9064048
Toluene	0.00881	B	mg/kg dry	0.00221	1	06/24/09 21:02	SW846 8260B	9064048
Xylenes, total	7.89		mg/kg dry	0.272	50	06/24/09 21:32	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	91 %					06/24/09 21:02	SW846 8260B	9064048
Surr: 1,2-Dichloroethane-d4 (67-138%)	97 %					06/24/09 21:32	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	96 %					06/24/09 21:02	SW846 8260B	9064048
Surr: Dibromofluoromethane (75-125%)	98 %					06/24/09 21:32	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	106 %					06/24/09 21:02	SW846 8260B	9064048
Surr: Toluene-d8 (76-129%)	104 %					06/24/09 21:32	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	94 %					06/24/09 21:02	SW846 8260B	9064048
Surr: 4-Bromofluorobenzene (67-147%)	122 %					06/24/09 21:32	SW846 8260B	9064048
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	1.10		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Acenaphthylene	0.455		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Anthracene	0.569		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Benzo (a) anthracene	0.625		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Benzo (a) pyrene	0.252		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Benzo (b) fluoranthene	0.341		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Benzo (g,h,i) perylene	0.0808		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Chrysene	0.673		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Fluoranthene	1.39		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Fluorene	2.16		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Indeno (1,2,3-cd) pyrene	0.0813		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Naphthalene	3.78		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
Phenanthrene	7.18		mg/kg dry	0.404	5	06/26/09 16:27	SW846 8270D	9063817
Pyrene	1.95		mg/kg dry	0.0808	1	06/26/09 14:10	SW846 8270D	9063817
1-Methylnaphthalene	31.4		mg/kg dry	2.02	25	06/27/09 05:31	SW846 8270D	9063817
2-Methylnaphthalene	46.9		mg/kg dry	2.02	25	06/27/09 05:31	SW846 8270D	9063817
Surr: Terphenyl-d14 (18-120%)	79 %					06/26/09 14:10	SW846 8270D	9063817
Surr: 2-Fluorobiphenyl (14-120%)	62 %					06/26/09 14:10	SW846 8270D	9063817
Surr: Nitrobenzene-d5 (17-120%)	54 %					06/26/09 14:10	SW846 8270D	9063817

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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	9063817	NSF1964-01	30.00	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-01RE1	30.00	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-02	30.83	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-02RE1	30.83	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-02RE2	30.83	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-03	30.11	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-04	30.51	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-04RE1	30.51	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-05	30.85	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-06	30.00	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-07	30.29	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-08	30.24	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-08RE1	30.24	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-09	30.70	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-10	30.91	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-11	30.43	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-11RE1	30.43	1.00	06/24/09 01:35	TEM	EPA 3550C
SW846 8270D	9063817	NSF1964-11RE2	30.43	1.00	06/24/09 01:35	TEM	EPA 3550C
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9064047	NSF1964-01	7.08	5.00	06/15/09 09:50	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-01RE1	6.73	5.00	06/15/09 09:50	CHH	EPA 5035
SW846 8260B	9064047	NSF1964-02	6.29	5.00	06/15/09 10:00	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-02RE1	6.18	5.00	06/15/09 10:00	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-02RE2	6.18	5.00	06/15/09 10:00	CHH	EPA 5035
SW846 8260B	9064047	NSF1964-03	7.89	5.00	06/16/09 09:25	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-03RE1	7.47	5.00	06/16/09 09:25	CHH	EPA 5035
SW846 8260B	9064047	NSF1964-04	6.70	5.00	06/16/09 09:50	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-04RE1	6.73	5.00	06/16/09 09:50	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-05	5.84	5.00	06/16/09 15:25	CHH	EPA 5035
SW846 8260B	9064251	NSF1964-05RE1	6.28	5.00	06/16/09 15:25	CHH	EPA 5035
SW846 8260B	9064427	NSF1964-05RE2	6.09	5.00	06/16/09 15:25	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-06	6.25	5.00	06/17/09 09:25	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-07	5.59	5.00	06/17/09 11:00	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-08	5.56	5.00	06/17/09 10:00	CHH	EPA 5035
SW846 8260B	9064251	NSF1964-08RE1	5.22	5.00	06/17/09 10:00	CHH	EPA 5035
SW846 8260B	9064251	NSF1964-08RE2	5.22	5.00	06/17/09 10:00	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-09	5.10	5.00	06/17/09 14:25	CHH	EPA 5035
SW846 8260B	9064251	NSF1964-09RE1	5.47	5.00	06/17/09 14:25	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-10	7.57	5.00	06/18/09 11:40	CHH	EPA 5035
SW846 8260B	9064251	NSF1964-10RE1	5.51	5.00	06/18/09 11:40	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-11	5.53	5.00	06/18/09 11:50	CHH	EPA 5035
SW846 8260B	9064048	NSF1964-11RE1	5.63	5.00	06/18/09 11:50	CHH	EPA 5035

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
9064047-BLK1						
Benzene	<0.000670	B	mg/kg wet	9064047	9064047-BLK1	06/24/09 02:44
Ethylbenzene	<0.000670		mg/kg wet	9064047	9064047-BLK1	06/24/09 02:44
Naphthalene	<0.00170		mg/kg wet	9064047	9064047-BLK1	06/24/09 02:44
Toluene	0.000780		mg/kg wet	9064047	9064047-BLK1	06/24/09 02:44
Xylenes, total	<0.00130		mg/kg wet	9064047	9064047-BLK1	06/24/09 02:44
Surrogate: 1,2-Dichloroethane-d4	82%			9064047	9064047-BLK1	06/24/09 02:44
Surrogate: Dibromofluoromethane	89%			9064047	9064047-BLK1	06/24/09 02:44
Surrogate: Toluene-d8	102%			9064047	9064047-BLK1	06/24/09 02:44
Surrogate: 4-Bromofluorobenzene	107%			9064047	9064047-BLK1	06/24/09 02:44
9064048-BLK1						
Benzene	<0.000670	B	mg/kg wet	9064048	9064048-BLK1	06/24/09 14:44
Ethylbenzene	<0.000670		mg/kg wet	9064048	9064048-BLK1	06/24/09 14:44
Naphthalene	<0.00170		mg/kg wet	9064048	9064048-BLK1	06/24/09 14:44
Toluene	0.000690		mg/kg wet	9064048	9064048-BLK1	06/24/09 14:44
Xylenes, total	<0.00130		mg/kg wet	9064048	9064048-BLK1	06/24/09 14:44
Surrogate: 1,2-Dichloroethane-d4	87%			9064048	9064048-BLK1	06/24/09 14:44
Surrogate: Dibromofluoromethane	96%			9064048	9064048-BLK1	06/24/09 14:44
Surrogate: Toluene-d8	98%			9064048	9064048-BLK1	06/24/09 14:44
Surrogate: 4-Bromofluorobenzene	106%			9064048	9064048-BLK1	06/24/09 14:44
9064251-BLK1						
Benzene	<0.000670		mg/kg wet	9064251	9064251-BLK1	06/25/09 15:10
Ethylbenzene	<0.000670		mg/kg wet	9064251	9064251-BLK1	06/25/09 15:10
Naphthalene	<0.00170		mg/kg wet	9064251	9064251-BLK1	06/25/09 15:10
Toluene	<0.000400		mg/kg wet	9064251	9064251-BLK1	06/25/09 15:10
Xylenes, total	<0.00130		mg/kg wet	9064251	9064251-BLK1	06/25/09 15:10
Surrogate: 1,2-Dichloroethane-d4	91%			9064251	9064251-BLK1	06/25/09 15:10
Surrogate: Dibromofluoromethane	96%			9064251	9064251-BLK1	06/25/09 15:10
Surrogate: Toluene-d8	102%			9064251	9064251-BLK1	06/25/09 15:10
Surrogate: 4-Bromofluorobenzene	103%			9064251	9064251-BLK1	06/25/09 15:10
9064251-BLK2						
Benzene	<0.000670		mg/kg wet	9064251	9064251-BLK2	06/26/09 02:34
Ethylbenzene	<0.000670		mg/kg wet	9064251	9064251-BLK2	06/26/09 02:34
Naphthalene	<0.00170		mg/kg wet	9064251	9064251-BLK2	06/26/09 02:34
Toluene	<0.000400		mg/kg wet	9064251	9064251-BLK2	06/26/09 02:34
Xylenes, total	<0.00130		mg/kg wet	9064251	9064251-BLK2	06/26/09 02:34
Surrogate: 1,2-Dichloroethane-d4	87%			9064251	9064251-BLK2	06/26/09 02:34
Surrogate: Dibromofluoromethane	96%			9064251	9064251-BLK2	06/26/09 02:34
Surrogate: Toluene-d8	95%			9064251	9064251-BLK2	06/26/09 02:34
Surrogate: 4-Bromofluorobenzene	105%			9064251	9064251-BLK2	06/26/09 02:34

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

PROJECT QUALITY CONTROL DATA Blank - Cont.

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

9064427-BLK1

Benzene	<0.0335		mg/kg wet	9064427	9064427-BLK1	06/28/09 01:52
Ethylbenzene	<0.0335		mg/kg wet	9064427	9064427-BLK1	06/28/09 01:52
Naphthalene	<0.0850		mg/kg wet	9064427	9064427-BLK1	06/28/09 01:52
Toluene	<0.0200		mg/kg wet	9064427	9064427-BLK1	06/28/09 01:52
Xylenes, total	<0.0650		mg/kg wet	9064427	9064427-BLK1	06/28/09 01:52
Surrogate: 1,2-Dichloroethane-d4	100%			9064427	9064427-BLK1	06/28/09 01:52
Surrogate: Dibromofluoromethane	122%			9064427	9064427-BLK1	06/28/09 01:52
Surrogate: Toluene-d8	94%			9064427	9064427-BLK1	06/28/09 01:52
Surrogate: 4-Bromofluorobenzene	105%			9064427	9064427-BLK1	06/28/09 01:52

Polyaromatic Hydrocarbons by EPA 8270D

9063817-BLK1

Acenaphthene	<0.0320		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Acenaphthylene	<0.0310		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Anthracene	<0.0330		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Benzo (a) anthracene	<0.0380		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Benzo (a) pyrene	<0.0300		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Chrysene	<0.0400		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Fluoranthene	<0.0340		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Fluorene	<0.0360		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Naphthalene	<0.0410		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Phenanthrene	<0.0340		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Pyrene	<0.0410		mg/kg wet	9063817	9063817-BLK1	06/25/09 23:36
Surrogate: Terphenyl-d14	73%			9063817	9063817-BLK1	06/25/09 23:36
Surrogate: 2-Fluorobiphenyl	54%			9063817	9063817-BLK1	06/25/09 23:36
Surrogate: Nitrobenzene-d5	55%			9063817	9063817-BLK1	06/25/09 23:36

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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										
9064652-DUP1										
% Dry Solids	84.7	84.2		%	0.6	20	9064652	NSF1917-01		06/30/09 09:15

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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								
9064047-BS1								
Benzene	50.0	47.0		ug/kg	94%	78 - 126	9064047	06/24/09 00:46
Ethylbenzene	50.0	52.3		ug/kg	105%	79 - 130	9064047	06/24/09 00:46
Naphthalene	50.0	47.1		ug/kg	94%	72 - 150	9064047	06/24/09 00:46
Toluene	50.0	49.6		ug/kg	99%	76 - 126	9064047	06/24/09 00:46
Xylenes, total	150	160		ug/kg	107%	80 - 130	9064047	06/24/09 00:46
Surrogate: 1,2-Dichloroethane-d4	50.0	40.2			80%	67 - 138	9064047	06/24/09 00:46
Surrogate: Dibromofluoromethane	50.0	45.9			92%	75 - 125	9064047	06/24/09 00:46
Surrogate: Toluene-d8	50.0	49.5			99%	76 - 129	9064047	06/24/09 00:46
Surrogate: 4-Bromofluorobenzene	50.0	52.8			106%	67 - 147	9064047	06/24/09 00:46
9064048-BS1								
Benzene	50.0	49.4		ug/kg	99%	78 - 126	9064048	06/24/09 12:46
Ethylbenzene	50.0	51.9		ug/kg	104%	79 - 130	9064048	06/24/09 12:46
Naphthalene	50.0	55.7		ug/kg	111%	72 - 150	9064048	06/24/09 12:46
Toluene	50.0	50.8		ug/kg	102%	76 - 126	9064048	06/24/09 12:46
Xylenes, total	150	153		ug/kg	102%	80 - 130	9064048	06/24/09 12:46
Surrogate: 1,2-Dichloroethane-d4	50.0	41.5			83%	67 - 138	9064048	06/24/09 12:46
Surrogate: Dibromofluoromethane	50.0	47.1			94%	75 - 125	9064048	06/24/09 12:46
Surrogate: Toluene-d8	50.0	50.1			100%	76 - 129	9064048	06/24/09 12:46
Surrogate: 4-Bromofluorobenzene	50.0	50.8			102%	67 - 147	9064048	06/24/09 12:46
9064251-BS1								
Benzene	50.0	45.2		ug/kg	90%	78 - 126	9064251	06/25/09 13:11
Ethylbenzene	50.0	49.3		ug/kg	99%	79 - 130	9064251	06/25/09 13:11
Naphthalene	50.0	53.3		ug/kg	107%	72 - 150	9064251	06/25/09 13:11
Toluene	50.0	47.2		ug/kg	94%	76 - 126	9064251	06/25/09 13:11
Xylenes, total	150	154		ug/kg	102%	80 - 130	9064251	06/25/09 13:11
Surrogate: 1,2-Dichloroethane-d4	50.0	42.5			85%	67 - 138	9064251	06/25/09 13:11
Surrogate: Dibromofluoromethane	50.0	47.6			95%	75 - 125	9064251	06/25/09 13:11
Surrogate: Toluene-d8	50.0	49.8			100%	76 - 129	9064251	06/25/09 13:11
Surrogate: 4-Bromofluorobenzene	50.0	49.5			99%	67 - 147	9064251	06/25/09 13:11
9064251-BS2								
Benzene	50.0	48.5		ug/kg	97%	78 - 126	9064251	06/26/09 00:36
Ethylbenzene	50.0	51.8		ug/kg	104%	79 - 130	9064251	06/26/09 00:36
Naphthalene	50.0	60.8		ug/kg	122%	72 - 150	9064251	06/26/09 00:36
Toluene	50.0	50.2		ug/kg	100%	76 - 126	9064251	06/26/09 00:36
Xylenes, total	150	161		ug/kg	107%	80 - 130	9064251	06/26/09 00:36
Surrogate: 1,2-Dichloroethane-d4	50.0	43.4			87%	67 - 138	9064251	06/26/09 00:36
Surrogate: Dibromofluoromethane	50.0	46.3			93%	75 - 125	9064251	06/26/09 00:36
Surrogate: Toluene-d8	50.0	49.3			99%	76 - 129	9064251	06/26/09 00:36
Surrogate: 4-Bromofluorobenzene	50.0	47.5			95%	67 - 147	9064251	06/26/09 00:36

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

PROJECT QUALITY CONTROL DATA LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
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Selected Volatile Organic Compounds by EPA Method 8260B

9064427-BS1

Benzene	50.0	52.9		ug/kg	106%	78 - 126	9064427	06/27/09 23:22
Ethylbenzene	50.0	53.4		ug/kg	107%	79 - 130	9064427	06/27/09 23:22
Naphthalene	50.0	57.3		ug/kg	115%	72 - 150	9064427	06/27/09 23:22
Toluene	50.0	51.4		ug/kg	103%	76 - 126	9064427	06/27/09 23:22
Xylenes, total	150	157		ug/kg	105%	80 - 130	9064427	06/27/09 23:22
Surrogate: 1,2-Dichloroethane-d4	25.0	24.4			98%	67 - 138	9064427	06/27/09 23:22
Surrogate: Dibromofluoromethane	25.0	24.7			99%	75 - 125	9064427	06/27/09 23:22
Surrogate: Toluene-d8	25.0	25.0			100%	76 - 129	9064427	06/27/09 23:22
Surrogate: 4-Bromofluorobenzene	25.0	25.4			102%	67 - 147	9064427	06/27/09 23:22

Polyaromatic Hydrocarbons by EPA 8270D

9063817-BS1

Acenaphthene	1.67	1.44		mg/kg wet	87%	49 - 120	9063817	06/25/09 23:59
Acenaphthylene	1.67	1.46		mg/kg wet	87%	52 - 120	9063817	06/25/09 23:59
Anthracene	1.67	1.63		mg/kg wet	98%	58 - 120	9063817	06/25/09 23:59
Benzo (a) anthracene	1.67	1.51		mg/kg wet	90%	57 - 120	9063817	06/25/09 23:59
Benzo (a) pyrene	1.67	1.58		mg/kg wet	95%	55 - 120	9063817	06/25/09 23:59
Benzo (b) fluoranthene	1.67	1.60		mg/kg wet	96%	51 - 123	9063817	06/25/09 23:59
Benzo (g,h,i) perylene	1.67	1.47		mg/kg wet	88%	49 - 121	9063817	06/25/09 23:59
Benzo (k) fluoranthene	1.67	1.44		mg/kg wet	86%	42 - 129	9063817	06/25/09 23:59
Chrysene	1.67	1.47		mg/kg wet	88%	55 - 120	9063817	06/25/09 23:59
Dibenz (a,h) anthracene	1.67	1.46		mg/kg wet	88%	50 - 123	9063817	06/25/09 23:59
Fluoranthene	1.67	1.50		mg/kg wet	90%	58 - 120	9063817	06/25/09 23:59
Fluorene	1.67	1.49		mg/kg wet	89%	54 - 120	9063817	06/25/09 23:59
Indeno (1,2,3-cd) pyrene	1.67	1.48		mg/kg wet	89%	50 - 122	9063817	06/25/09 23:59
Naphthalene	1.67	1.18		mg/kg wet	70%	28 - 107	9063817	06/25/09 23:59
Phenanthrene	1.67	1.45		mg/kg wet	87%	56 - 120	9063817	06/25/09 23:59
Pyrene	1.67	1.61		mg/kg wet	97%	56 - 120	9063817	06/25/09 23:59
Surrogate: Terphenyl-d14	1.67	1.46			87%	18 - 120	9063817	06/25/09 23:59
Surrogate: 2-Fluorobiphenyl	1.67	1.14			68%	14 - 120	9063817	06/25/09 23:59
Surrogate: Nitrobenzene-d5	1.67	1.05			63%	17 - 120	9063817	06/25/09 23:59

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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												
9064047-BSD1												
Benzene		48.3		ug/kg	50.0	97%	78 - 126	3	50	9064047		06/24/09 01:16
Ethylbenzene		50.9		ug/kg	50.0	102%	79 - 130	3	50	9064047		06/24/09 01:16
Naphthalene		51.8		ug/kg	50.0	104%	72 - 150	10	50	9064047		06/24/09 01:16
Toluene		51.2		ug/kg	50.0	102%	76 - 126	3	50	9064047		06/24/09 01:16
Xylenes, total		150		ug/kg	150	100%	80 - 130	7	50	9064047		06/24/09 01:16
Surrogate: 1,2-Dichloroethane-d4		40.2		ug/kg	50.0	80%	67 - 138			9064047		06/24/09 01:16
Surrogate: Dibromofluoromethane		46.2		ug/kg	50.0	92%	75 - 125			9064047		06/24/09 01:16
Surrogate: Toluene-d8		51.1		ug/kg	50.0	102%	76 - 129			9064047		06/24/09 01:16
Surrogate: 4-Bromofluorobenzene		51.8		ug/kg	50.0	104%	67 - 147			9064047		06/24/09 01:16
9064048-BSD1												
Benzene		52.2		ug/kg	50.0	104%	78 - 126	6	50	9064048		06/24/09 13:16
Ethylbenzene		55.8		ug/kg	50.0	112%	79 - 130	7	50	9064048		06/24/09 13:16
Naphthalene		52.9		ug/kg	50.0	106%	72 - 150	5	50	9064048		06/24/09 13:16
Toluene		49.8		ug/kg	50.0	100%	76 - 126	2	50	9064048		06/24/09 13:16
Xylenes, total		177		ug/kg	150	118%	80 - 130	15	50	9064048		06/24/09 13:16
Surrogate: 1,2-Dichloroethane-d4		43.8		ug/kg	50.0	88%	67 - 138			9064048		06/24/09 13:16
Surrogate: Dibromofluoromethane		50.5		ug/kg	50.0	101%	75 - 125			9064048		06/24/09 13:16
Surrogate: Toluene-d8		48.4		ug/kg	50.0	97%	76 - 129			9064048		06/24/09 13:16
Surrogate: 4-Bromofluorobenzene		50.1		ug/kg	50.0	100%	67 - 147			9064048		06/24/09 13:16
9064427-BSD1												
Benzene		50.5		ug/kg	50.0	101%	78 - 126	5	50	9064427		06/27/09 23:52
Ethylbenzene		51.8		ug/kg	50.0	104%	79 - 130	3	50	9064427		06/27/09 23:52
Naphthalene		58.0		ug/kg	50.0	116%	72 - 150	1	50	9064427		06/27/09 23:52
Toluene		49.5		ug/kg	50.0	99%	76 - 126	4	50	9064427		06/27/09 23:52
Xylenes, total		152		ug/kg	150	101%	80 - 130	3	50	9064427		06/27/09 23:52
Surrogate: 1,2-Dichloroethane-d4		24.4		ug/kg	25.0	97%	67 - 138			9064427		06/27/09 23:52
Surrogate: Dibromofluoromethane		24.8		ug/kg	25.0	99%	75 - 125			9064427		06/27/09 23:52
Surrogate: Toluene-d8		25.2		ug/kg	25.0	101%	76 - 129			9064427		06/27/09 23:52
Surrogate: 4-Bromofluorobenzene		25.8		ug/kg	25.0	103%	67 - 147			9064427		06/27/09 23:52

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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										
9064048-MS1										
Benzene	ND	2.55		mg/kg dry	2.72	94%	42 - 141	9064048	NSF1964-11RE 1	06/24/09 22:01
Ethylbenzene	1.48	3.57		mg/kg dry	2.72	77%	21 - 165	9064048	NSF1964-11RE 1	06/24/09 22:01
Naphthalene	10.5	10.3	MHA	mg/kg dry	2.72	-10%	10 - 160	9064048	NSF1964-11RE 1	06/24/09 22:01
Toluene	0.0669	2.34		mg/kg dry	2.72	84%	45 - 145	9064048	NSF1964-11RE 1	06/24/09 22:01
Xylenes, total	7.89	12.9		mg/kg dry	8.15	62%	31 - 159	9064048	NSF1964-11RE 1	06/24/09 22:01
Surrogate: 1,2-Dichloroethane-d4		46.6		ug/kg	50.0	93%	67 - 138	9064048	NSF1964-11RE 1	06/24/09 22:01
Surrogate: Dibromofluoromethane		50.2		ug/kg	50.0	100%	75 - 125	9064048	NSF1964-11RE 1	06/24/09 22:01
Surrogate: Toluene-d8		50.0		ug/kg	50.0	100%	76 - 129	9064048	NSF1964-11RE 1	06/24/09 22:01
Surrogate: 4-Bromofluorobenzene		55.7		ug/kg	50.0	111%	67 - 147	9064048	NSF1964-11RE 1	06/24/09 22:01
9064251-MS1										
Benzene	ND	1.36		mg/kg wet	1.75	78%	42 - 141	9064251	NSF2093-14RE 1	06/26/09 09:28
Ethylbenzene	ND	1.37		mg/kg wet	1.75	78%	21 - 165	9064251	NSF2093-14RE 1	06/26/09 09:28
Naphthalene	ND	1.06		mg/kg wet	1.75	60%	10 - 160	9064251	NSF2093-14RE 1	06/26/09 09:28
Toluene	ND	1.08		mg/kg wet	1.75	62%	45 - 145	9064251	NSF2093-14RE 1	06/26/09 09:28
Xylenes, total	ND	4.81		mg/kg wet	5.26	91%	31 - 159	9064251	NSF2093-14RE 1	06/26/09 09:28
Surrogate: 1,2-Dichloroethane-d4		49.5		ug/kg	50.0	99%	67 - 138	9064251	NSF2093-14RE 1	06/26/09 09:28
Surrogate: Dibromofluoromethane		51.4		ug/kg	50.0	103%	75 - 125	9064251	NSF2093-14RE 1	06/26/09 09:28
Surrogate: Toluene-d8		43.2		ug/kg	50.0	86%	76 - 129	9064251	NSF2093-14RE 1	06/26/09 09:28
Surrogate: 4-Bromofluorobenzene		52.3		ug/kg	50.0	105%	67 - 147	9064251	NSF2093-14RE 1	06/26/09 09:28
Polyaromatic Hydrocarbons by EPA 8270D										
9063817-MS1										
Acenaphthene	ND	1.30		mg/kg dry	1.90	69%	42 - 120	9063817	NSF1899-01	06/26/09 00:21
Acenaphthylene	ND	1.31		mg/kg dry	1.90	69%	32 - 120	9063817	NSF1899-01	06/26/09 00:21
Anthracene	ND	1.39		mg/kg dry	1.90	73%	10 - 200	9063817	NSF1899-01	06/26/09 00:21
Benzo (a) anthracene	ND	1.30		mg/kg dry	1.90	69%	41 - 120	9063817	NSF1899-01	06/26/09 00:21
Benzo (a) pyrene	ND	1.32		mg/kg dry	1.90	70%	33 - 121	9063817	NSF1899-01	06/26/09 00:21
Benzo (b) fluoranthene	ND	1.41		mg/kg dry	1.90	75%	26 - 137	9063817	NSF1899-01	06/26/09 00:21

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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										
9063817-MS1										
Benzo (g,h,i) perylene	ND	1.29		mg/kg dry	1.90	68%	21 - 124	9063817	NSF1899-01	06/26/09 00:21
Benzo (k) fluoranthene	ND	1.18		mg/kg dry	1.90	62%	14 - 140	9063817	NSF1899-01	06/26/09 00:21
Chrysene	ND	1.26		mg/kg dry	1.90	67%	28 - 123	9063817	NSF1899-01	06/26/09 00:21
Dibenz (a,h) anthracene	ND	1.29		mg/kg dry	1.90	68%	25 - 127	9063817	NSF1899-01	06/26/09 00:21
Fluoranthene	ND	1.28		mg/kg dry	1.90	68%	38 - 120	9063817	NSF1899-01	06/26/09 00:21
Fluorene	ND	1.28		mg/kg dry	1.90	68%	41 - 120	9063817	NSF1899-01	06/26/09 00:21
Indeno (1,2,3-cd) pyrene	ND	1.30		mg/kg dry	1.90	68%	25 - 123	9063817	NSF1899-01	06/26/09 00:21
Naphthalene	ND	1.09		mg/kg dry	1.90	57%	25 - 120	9063817	NSF1899-01	06/26/09 00:21
Phenanthrene	ND	1.27		mg/kg dry	1.90	67%	37 - 120	9063817	NSF1899-01	06/26/09 00:21
Pyrene	ND	1.35		mg/kg dry	1.90	71%	29 - 125	9063817	NSF1899-01	06/26/09 00:21
Surrogate: Terphenyl-d14		1.31		mg/kg dry	1.90	69%	18 - 120	9063817	NSF1899-01	06/26/09 00:21
Surrogate: 2-Fluorobiphenyl		1.19		mg/kg dry	1.90	63%	14 - 120	9063817	NSF1899-01	06/26/09 00:21
Surrogate: Nitrobenzene-d5		1.12		mg/kg dry	1.90	59%	17 - 120	9063817	NSF1899-01	06/26/09 00:21

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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												
9064048-MSD1												
Benzene	ND	2.78		mg/kg dry	2.72	102%	42 - 141	8	50	9064048	NSF1964-11RE	06/24/09 22:31
Ethylbenzene	1.48	3.91		mg/kg dry	2.72	89%	21 - 165	9	50	9064048	NSF1964-11RE	06/24/09 22:31
Naphthalene	10.5	11.2		mg/kg dry	2.72	26%	10 - 160	9	50	9064048	NSF1964-11RE	06/24/09 22:31
Toluene	0.0669	2.67		mg/kg dry	2.72	96%	45 - 145	13	50	9064048	NSF1964-11RE	06/24/09 22:31
Xylenes, total	7.89	14.3		mg/kg dry	8.15	79%	31 - 159	10	50	9064048	NSF1964-11RE	06/24/09 22:31
Surrogate: 1,2-Dichloroethane-d4		45.0		ug/kg	50.0	90%	67 - 138			9064048	NSF1964-11RE	06/24/09 22:31
Surrogate: Dibromofluoromethane		48.5		ug/kg	50.0	97%	75 - 125			9064048	NSF1964-11RE	06/24/09 22:31
Surrogate: Toluene-d8		52.1		ug/kg	50.0	104%	76 - 129			9064048	NSF1964-11RE	06/24/09 22:31
Surrogate: 4-Bromofluorobenzene		59.4		ug/kg	50.0	119%	67 - 147			9064048	NSF1964-11RE	06/24/09 22:31
9064251-MSD1												
Benzene	ND	1.32		mg/kg wet	1.75	75%	42 - 141	3	50	9064251	NSF2093-14RE	06/26/09 09:58
Ethylbenzene	ND	1.56		mg/kg wet	1.75	89%	21 - 165	13	50	9064251	NSF2093-14RE	06/26/09 09:58
Naphthalene	ND	1.46		mg/kg wet	1.75	83%	10 - 160	32	50	9064251	NSF2093-14RE	06/26/09 09:58
Toluene	ND	1.24		mg/kg wet	1.75	71%	45 - 145	13	50	9064251	NSF2093-14RE	06/26/09 09:58
Xylenes, total	ND	5.27		mg/kg wet	5.26	100%	31 - 159	9	50	9064251	NSF2093-14RE	06/26/09 09:58
Surrogate: 1,2-Dichloroethane-d4		48.8		ug/kg	50.0	98%	67 - 138			9064251	NSF2093-14RE	06/26/09 09:58
Surrogate: Dibromofluoromethane		49.5		ug/kg	50.0	99%	75 - 125			9064251	NSF2093-14RE	06/26/09 09:58
Surrogate: Toluene-d8		44.5		ug/kg	50.0	89%	76 - 129			9064251	NSF2093-14RE	06/26/09 09:58
Surrogate: 4-Bromofluorobenzene		51.2		ug/kg	50.0	102%	67 - 147			9064251	NSF2093-14RE	06/26/09 09:58
Polyaromatic Hydrocarbons by EPA 8270D												
9063817-MSD1												
Acenaphthene	ND	1.29		mg/kg dry	1.87	69%	42 - 120	1	40	9063817	NSF1899-01	06/26/09 00:43
Acenaphthylene	ND	1.29		mg/kg dry	1.87	69%	32 - 120	1	30	9063817	NSF1899-01	06/26/09 00:43
Anthracene	ND	1.49		mg/kg dry	1.87	79%	10 - 200	7	50	9063817	NSF1899-01	06/26/09 00:43
Benzo (a) anthracene	ND	1.38		mg/kg dry	1.87	74%	41 - 120	6	30	9063817	NSF1899-01	06/26/09 00:43
Benzo (a) pyrene	ND	1.42		mg/kg dry	1.87	76%	33 - 121	7	33	9063817	NSF1899-01	06/26/09 00:43
Benzo (b) fluoranthene	ND	1.42		mg/kg dry	1.87	76%	26 - 137	0.09	42	9063817	NSF1899-01	06/26/09 00:43
Benzo (g,h,i) perylene	ND	1.35		mg/kg dry	1.87	72%	21 - 124	4	32	9063817	NSF1899-01	06/26/09 00:43
Benzo (k) fluoranthene	ND	1.37		mg/kg dry	1.87	73%	14 - 140	14	39	9063817	NSF1899-01	06/26/09 00:43

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 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												
9063817-MSD1												
Chrysene	ND	1.36		mg/kg dry	1.87	73%	28 - 123	8	34	9063817	NSF1899-01	06/26/09 00:43
Dibenz (a,h) anthracene	ND	1.35		mg/kg dry	1.87	72%	25 - 127	4	31	9063817	NSF1899-01	06/26/09 00:43
Fluoranthene	ND	1.36		mg/kg dry	1.87	73%	38 - 120	6	35	9063817	NSF1899-01	06/26/09 00:43
Fluorene	ND	1.30		mg/kg dry	1.87	69%	41 - 120	1	37	9063817	NSF1899-01	06/26/09 00:43
Indeno (1,2,3-cd) pyrene	ND	1.35		mg/kg dry	1.87	72%	25 - 123	4	32	9063817	NSF1899-01	06/26/09 00:43
Naphthalene	ND	1.03		mg/kg dry	1.87	55%	25 - 120	5	42	9063817	NSF1899-01	06/26/09 00:43
Phenanthrene	ND	1.34		mg/kg dry	1.87	71%	37 - 120	5	32	9063817	NSF1899-01	06/26/09 00:43
Pyrene	ND	1.48		mg/kg dry	1.87	79%	29 - 125	9	40	9063817	NSF1899-01	06/26/09 00:43
Surrogate: Terphenyl-d14		1.33		mg/kg dry	1.87	71%	18 - 120			9063817	NSF1899-01	06/26/09 00:43
Surrogate: 2-Fluorobiphenyl		1.15		mg/kg dry	1.87	61%	14 - 120			9063817	NSF1899-01	06/26/09 00:43
Surrogate: Nitrobenzene-d5		1.13		mg/kg dry	1.87	60%	17 - 120			9063817	NSF1899-01	06/26/09 00:43

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

DATA QUALIFIERS AND DEFINITIONS

B Analyte was detected in the associated Method Blank.
E Concentration exceeds the calibration range and therefore result is semi-quantitative.
MHA Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
RL1 Reporting limit raised due to sample matrix effects.
ZX Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

07/06/09 23:59

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes _____ No _____

Enforcement Action? Yes _____ No _____

Client Name/Account #: EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

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

Telephone Number: 843.412.2097

Sampler Name: (Print)

Sampler Signature:

Site State: SC

PO#:

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	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	BTEX + Napth - 8260B	PAH - 8270C	Analyze For:	RUSH TAT (Pre-Schedule)
1070 Heather	6/15/09	0950	5	X				N	N					2	1					X		W	N	NSF1964	-01
1072 Heather	6/15/09	1000	5	X				N	N					2	1					X		W	N		-02
1077 Heather	6/16/09	0925	5	X				N	N					2	1					X		W	N		-03
1104 Iris	6/16/09	0950	5	X				N	N					2	1					X		W	N		-04
1110 Iris	6/16/09	1525	5	X				N	N					2	1					X		W	N		-05
1111 Iris - 1	6/17/09	0925	5	X				N	N					2	1					X		W	N		-06
1111 Iris - 2	6/17/09	1100	5	X				N	N					2	1					X		W	N		-07
1107 Iris	6/17/09	1000	5	X				N	N					2	1					X		W	N		-08
1114 Iris	6/17/09	1425	5	X				N	N					2	1					X		W	N		-09
1126 Iris	6/18/09	1140	3	X				N	N					2	1					X		W	N		-10

Special Instructions:

Method of Shipment: FEDEX

Relinquished by: [Signature]	Date: 6/18/09	Time: 1900	Received by: Fred	Date:	Time:
Relinquished by: [Signature]	Date:	Time:	Received by TestAmerica: [Signature]	Date: 6-14-09	Time: 0800

Laboratory Comments:

Temperature Upon Receipt: 1.3c

VOCs Free of Headspace?

THE LEADER IN ENVIRONMENTAL TESTING

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

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

Compliance Monitoring? Yes _____ No _____
Enforcement Action? Yes _____ No _____

Sampler Signature:

Fax No.: 843-879-0401

PO#: 0829

Project ID: Laurel Bay Housing Project

Project #:

[illegible]

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
3. Generator's Name and Mailing Address MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904		A. Manifest Number WMNA 10885472		
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		
7. Transporter 2 Company Name	8. US EPA ID Number	D. Transporter's Phone 843 878-0411		
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29936	10. US EPA ID Number	E. State Transporter's ID		
		F. Transporter's Phone		
		G. State Facility's ID		
		H. Facility's Phone 843 987-4643		
11. Description of Waste Materials		12. Containers No. Type	13. Total Quantity	14. Unit Wt./Vol.
a. Heating Oil Tank filled with Sand				
WM Profile # 1028558C		0 0 1	12-16	TN
b. WM Profile #				
c. WM Profile #				
d. WM Profile #				
J. Additional Descriptions for Materials Listed Above		K. Disposal Location		
Landfill _____ Solidification _____		Cell _____ Level _____		
Bio Remediation _____		Grid _____		
15. Special Handling Instructions and Additional Information				
FROM UST'S from 1) 1047 GARDENIA 4) 1053 GARDENIA Houses 2) 1050 GARDENIA 5) 1055 GARDENIA Purchase Order # 3) 1052 GARDENIA EMERGENCY CONTACT: 6) 1110 IRIS				
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 William A. Drawdy		Signature "On behalf of" <i>W.A. Drawdy</i>		Month Day Year 10/6/2019
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Certificate of Final Treatment/Disposal				
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
Printed/Typed Name Jan Collins		Signature <i>Jan Collins</i>		Month Day Year 10/23/19

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

Work Order: NSF1964
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 06/19/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSF1964-05 (1110 Iris - Soil) Sampled: 06/16/09 15:25										
General Chemistry Parameters										
% Dry Solids	77.3		%	0.500	0.500	1	06/30/09 09:15	SW-846	DEA	9064652
Selected Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.000690	0.00206	1	06/25/09 16:41	SW846 8260B	SMS	9064251
Ethylbenzene	ND		mg/kg dry	0.000690	0.00206	1	06/25/09 16:41	SW846 8260B	SMS	9064251
Naphthalene	ND	RLI	mg/kg dry	0.0903	0.266	50	06/28/09 04:52	SW846 8260B	CMM	9064427
Toluene	0.000814	J	mg/kg dry	0.000412	0.00206	1	06/25/09 16:41	SW846 8260B	SMS	9064251
Xylenes, total	0.00245	J	mg/kg dry	0.00134	0.00515	1	06/25/09 16:41	SW846 8260B	SMS	9064251
Surr: 1,2-Dichloroethane-d4 (67-138%)	104 %					1	06/25/09 16:41	SW846 8260B	SMS	9064251
Surr: 1,2-Dichloroethane-d4 (67-138%)	99 %					50	06/28/09 04:52	SW846 8260B	CMM	9064427
Surr: Dibromofluoromethane (75-125%)	113 %					1	06/25/09 16:41	SW846 8260B	SMS	9064251
Surr: Dibromofluoromethane (75-125%)	119 %					50	06/28/09 04:52	SW846 8260B	CMM	9064427
Surr: Toluene-d8 (76-129%)	116 %					1	06/25/09 16:41	SW846 8260B	SMS	9064251
Surr: Toluene-d8 (76-129%)	96 %					50	06/28/09 04:52	SW846 8260B	CMM	9064427
Surr: 4-Bromofluorobenzene (67-147%)	112 %					1	06/25/09 16:41	SW846 8260B	SMS	9064251
Surr: 4-Bromofluorobenzene (67-147%)	105 %					50	06/28/09 04:52	SW846 8260B	CMM	9064427
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0805	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Acenaphthylene	ND		mg/kg dry	0.0780	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Anthracene	ND		mg/kg dry	0.0830	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Benzo (a) anthracene	ND		mg/kg dry	0.0956	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Benzo (a) pyrene	ND		mg/kg dry	0.0755	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Benzo (b) fluoranthene	0.133	J	mg/kg dry	0.0755	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Benzo (g,h,i) perylene	0.206		mg/kg dry	0.0755	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Benzo (k) fluoranthene	ND		mg/kg dry	0.0755	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Chrysene	ND		mg/kg dry	0.101	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0780	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Fluoranthene	ND		mg/kg dry	0.0855	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Fluorene	ND		mg/kg dry	0.0906	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Indeno (1,2,3-cd) pyrene	0.163	J	mg/kg dry	0.0780	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Naphthalene	ND		mg/kg dry	0.103	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Phenanthrene	ND		mg/kg dry	0.0855	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Pyrene	0.368		mg/kg dry	0.103	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
1-Methylnaphthalene	ND		mg/kg dry	0.0805	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
2-Methylnaphthalene	ND		mg/kg dry	0.0830	0.169	2	06/26/09 12:16	SW846 8270D	SCS	9063817
Surr: Terphenyl-d14 (18-120%)	73 %					2	06/26/09 12:16	SW846 8270D	SCS	9063817
Surr: 2-Fluorobiphenyl (14-120%)	58 %					2	06/26/09 12:16	SW846 8270D	SCS	9063817
Surr: Nitrobenzene-d5 (17-120%)	43 %					2	06/26/09 12:16	SW846 8270D	SCS	9063817

Additional info
requested
rec'd 5/11/10
CNP 5/17/10

Appendix C
Laboratory Analytical Report - Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants				Laboratory ID: SC09025-007			
Description: BEALB1110TW01WG20170308				Matrix: Aqueous			
Date Sampled: 03/08/2017 1515							
Date Received: 03/09/2017							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	03/13/2017 1558	ALL		36933

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

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		91	85-114
Dibromofluoromethane		119	80-119
1,2-Dichloroethane-d4		88	81-118
Toluene-d8		96	89-112

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

Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC09025-007
Description: BEALB1110TW01WG20170308	Matrix: Aqueous
Date Sampled: 03/08/2017 1515	
Date Received: 03/09/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/17/2017 2029	RBH	03/15/2017 1020	37108

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		47	44-120
2-Fluorobiphenyl		44	44-119
Terphenyl-d14		67	50-134

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

Appendix D

Regulatory Correspondence



August 24, 2016

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

RE: IGWA
Laurel Bay Underground Tank Assessment Reports

Dear Mr. Drawdy:

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

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

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

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

Sincerely,

Laurel Petrus, Environmental Engineer Associate
RCRA Federal Facilities Section

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

Attachment to: Petrus to Drawdy, August 24, 2016

Subject: IGWA, Laurel Bay Underground Tank Assessment Reports

Draft Final Initial Groundwater Investigation Report for (41 addresses)

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



July 27, 2017

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

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

Dear Mr. Drawdy:

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

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

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

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

Sincerely,

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

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

Attachment to: Petrus to Drawdy Dated July 27, 2017

Draft Final Initial Groundwater Investigation Report for (52 addresses)

Permanent Well Installation recommendation (3 Addresses):

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

No Further Action recommendation (49 addresses):

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