SUMMARY REPORT
438 IRIS LANE (FORMERLY 1137 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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9324 Virginia Avenue
Norfolk, Virginia 23511-3095
Prepared by:

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

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

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Appendices

List of Acronyms

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CTO	Contract Task Order
COPC	constituents of potential concern
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 438 Iris Lane (Formerly 1137 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 IGWA sampling process utilizes temporary groundwater sampling points that are typically installed and sampled within the same day. The intent of the sampling point is to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations may require additional delineation of COPCs in groundwater. These sampling points are not subjected to the same installation standards as permanent monitoring wells and, as such; the data obtained from the IGWA wells can sometimes be biased high and is considered preliminary data. In order to confirm the presence of any impact to groundwater, a permanent well is installed where IGWA sampling has indicated the presence of COPCs is in excess of the SCDHEC RBSLs for groundwater. If COPCs are found to be present in the permanent well, additional permanent wells are installed to delineate the extent of impact to groundwater and a sampling program is established. 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 438 Iris Lane (Formerly 1137 Iris Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1137 Iris Lane* (MCAS Beaufort, 2009) and in the *SCDHEC UST Assessment Report – 1137 Iris Lane* (MCAS Beaufort, 2020). The UST Assessment Reports are provided in Appendix B.

2.1 UST Removal and Soil Sampling

In June 2009 and December 2019, two 280 gallon heating oil USTs were removed from the grassed back yard adjacent to the house at 438 Iris Lane (Formerly 1137 Iris Lane). Tank 1 was removed on June 23, 2009. Tank 2 was removed on December 10, 2019. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). The USTs were removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the Tank 1 UST removal. Minimal staining was observed at the time of the Tank 2 UST removal, indicating potential petroleum impact. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 6'3" bgs (Tank 1) and 4'0" bgs (Tank 2). A single soil sample was collected for each tank at depths of 6'3" bgs (Tank 1) and 2'6" bgs (Tank 2). The samples were collected from the fill port side of the former USTs to represent a worst case scenario 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 reports are included in the UST Assessment Reports presented in Appendix B. The laboratory analytical data reports include 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 locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from the former UST locations (Tanks 1 and 2) at 438 Iris Lane (Formerly 1137 Iris Lane) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former USTs at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil (Tanks 1 and 2), SCDHEC made the determination that NFA was required for 438 Iris Lane (Formerly 1137 Iris Lane). These NFA determinations were

obtained in letters dated May 17, 2010 and March 19, 2020. SCDHEC's NFA letters are provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1137 Iris Lane, Laurel Bay Military Housing Area*, September 2009.

Marine Corps Air Station Beaufort, 2020. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1137 Iris Lane, Laurel Bay Military Housing Area*, February 2020.

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.

Table

Table 1
Laboratory Analytical Results - Soil
438 Iris Lane (Formerly 1137 Iris Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 06/23/09 and 12/10/19	
		Tank 1 06/23/09	Tank 2 12/10/19
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	ND	ND
Naphthalene	0.036	**0.0102**	ND
Toluene	0.627	ND	ND
Xylenes, Total		ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.066	ND	ND
Benzo(b)fluoranthene	0.066	ND	ND
Benzo(k)fluoranthene	0.066	ND	ND
Chrysene	0.066	ND	**0.0082**
Dibenz(a,h)anthracene	0.066	ND	ND

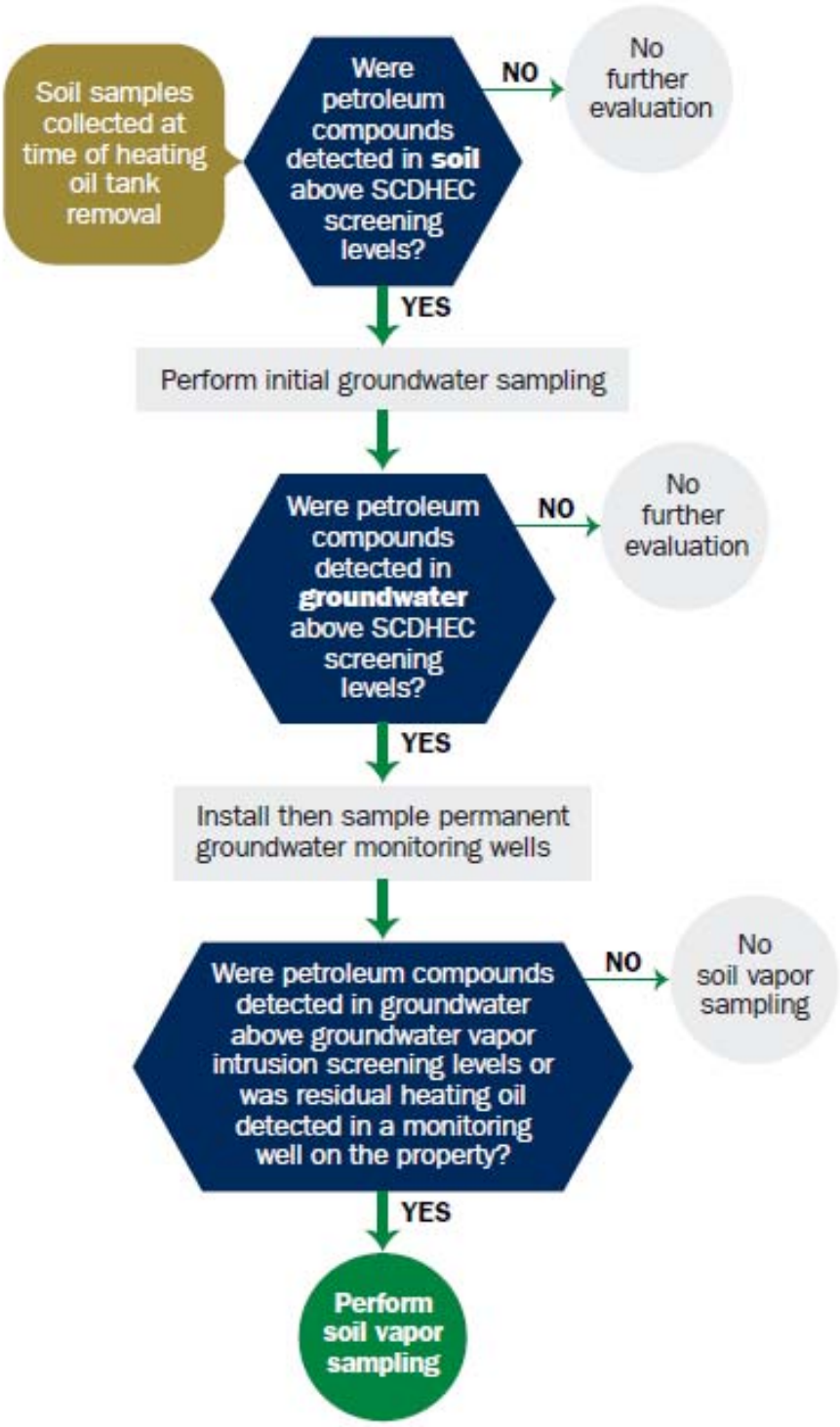
Notes:

[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 and 3.1 (SCDHEC, May 2001 and SCDHEC, February 2061).

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 - milligram per kilogram
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

CDM - AECOM
Multimedia Joint Venture

Attachment 1

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

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

1137 Iris Lane, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

Beaufort,	Beaufort
City	County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

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

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

_____
Name (Type or print.)

_____
Signature

To be completed by Notary Public:

Sworn before me this _____ day of_____, 20____

_____
(Name)

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

VI. UST INFORMATION

A.	Product...(ex. Gas, Kerosene).....	1137Iris				
B.	Capacity..(ex. 1k, 2k).....	Heating oil				
C.	Age.....	280 gal				
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s				
E.	Month/Year of Last Use.....	Steel				
F.	Depth (ft.) To Base of Tank.....	Mid 1980s				
G.	Spill Prevention Equipment Y/N.....	6'3"				
H.	Overfill Prevention Equipment Y/N.....	No				
I.	Method of Closure Removed/Filled.....	No				
J.	Date Tanks Removed/Filled.....	Removed				
K.	Visible Corrosion or Pitting Y/N.....	6/23/09				
L.	Visible Holes Y/N.....	Yes				
		Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1137Iris was removed from the ground, cleaned and recycled. See Attachment "A."

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Contaminated water was pumped from UST 1137Iris and disposed of by MCAS Beaufort.

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

	1137Iris				
A. Construction Material..(ex. Steel, FRP).....	Steel & Copper				
B. Distance from UST to Dispenser.....	N/A				
C. Number of Dispensers.....	N/A				
D. Type of System Pressure or Suction.....	Suction				
E. Was Piping Removed from the Ground? Y/N	Yes				
F. Visible Corrosion or Pitting Y/N.....	Yes				
G. Visible Holes Y/N.....	No				
H. Age.....	Late 1950s				

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

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 96012001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1137 Iris	Excav at fill end	Soil	Sandy	6'3"	6/23/09 1150 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, water and geothermal lines. 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)

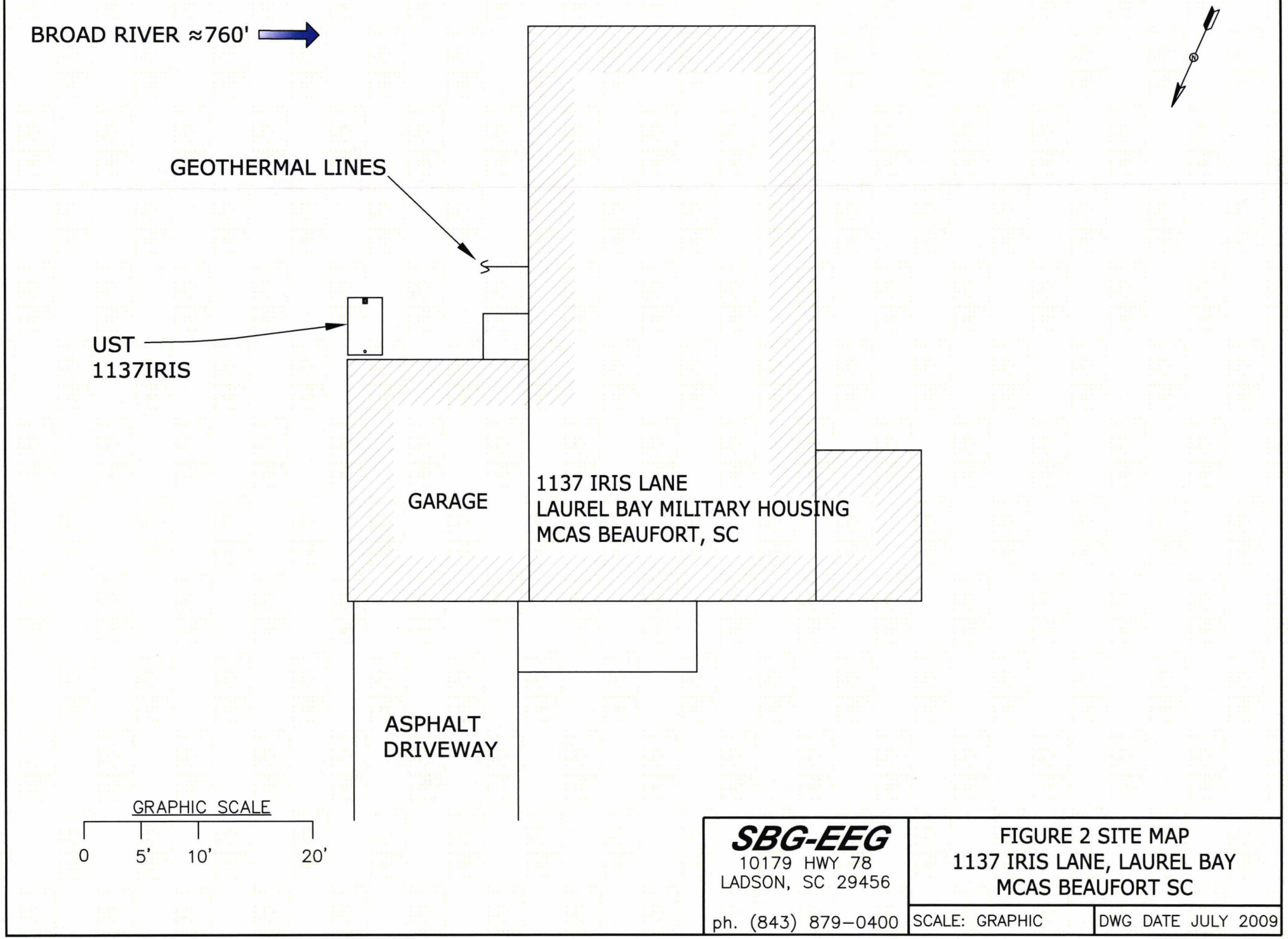
SBG-EEG, Inc.
Small Business Group, Inc.
10179 Hwy 78
Ladson, SC 29456

Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: July 2009

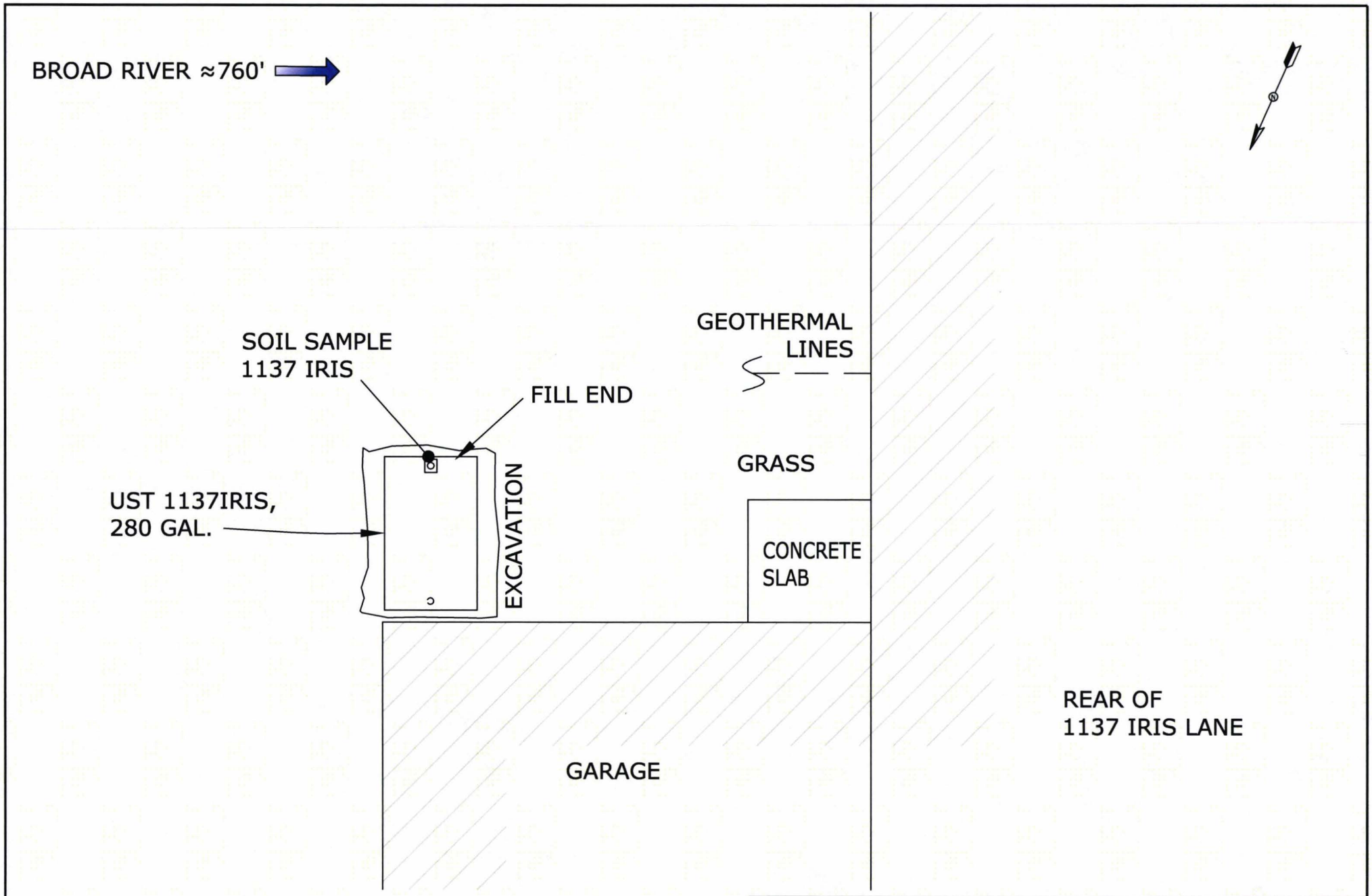
FIGURE 1: LOCATION MAP
1137 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC



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

FIGURE 2 SITE MAP
1137 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JULY 2009



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

FIGURE 3 UST SAMPLE LOCATIONS
1137 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JULY 2009

Picture 1: Location of UST 1137Iris prior to excavation.

Picture 2: Location of UST 1137Iris during removal.

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	1137Iris						
Benzene	ND						
Toluene	ND						
Ethylbenzene	ND						
Xylenes	ND						
Naphthalene	0.0102 mg/kg						
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)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

July 10, 2009 2:59:53PM

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

Work Order: NSF2552
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 08087
Date Received: 06/26/09

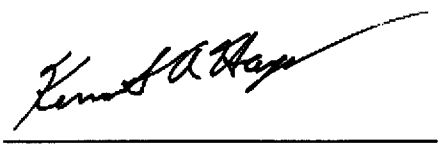
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1129 Iris	NSF2552-01	06/22/09 09:45
1138 Iris	NSF2552-02	06/22/09 13:55
1137 Iris	NSF2552-03	06/23/09 11:50
1144 Iris-1	NSF2552-04	06/23/09 15:30
1144 Iris-2	NSF2552-05	06/24/09 09:20
1148 Iris-1	NSF2552-06	06/24/09 11:45
1148 Iris-2	NSF2552-07	06/24/09 13:45
1161 Jasmine	NSF2552-08	06/24/09 13:50
1162 Jasmine	NSF2552-09	06/25/09 09:10
1168 Jasmine	NSF2552-10	06/25/09 11:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Additional Laboratory Comments:
8260B analysis was performed several times at a 50X dilution on sample NSF2552-06 but this proved to be to great a dilution to achieve reportable results. It was determined that reporting the data from the 1X dilution was most representative of the analyte levels present in the sample.
South Carolina Certification Number: 84009001

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-01 (1129 Iris - Soil) Sampled: 06/22/09 09:45								
General Chemistry Parameters								
% Dry Solids	**79.4**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00223	1	07/01/09 16:28	SW846 8260B	9064487
Ethylbenzene	**0.176**		mg/kg dry	0.00223	1	07/01/09 16:28	SW846 8260B	9064487
Naphthalene	**1.21**		mg/kg dry	0.274	50	07/02/09 17:16	SW846 8260B	9070397
Toluene	ND		mg/kg dry	0.00223	1	07/01/09 16:28	SW846 8260B	9064487
Xylenes, total	**0.419**		mg/kg dry	0.00556	1	07/01/09 16:28	SW846 8260B	9064487
Surr: 1,2-Dichloroethane-d4 (67-138%)	*127 %*					*07/01/09 16:28*	*SW846 8260B*	*9064487*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*100 %*					*07/02/09 17:16*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*110 %*					*07/01/09 16:28*	*SW846 8260B*	*9064487*
Surr: Dibromofluoromethane (75-125%)	*88 %*					*07/02/09 17:16*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*130 %*	*ZX*				*07/01/09 16:28*	*SW846 8260B*	*9064487*
Surr: Toluene-d8 (76-129%)	*113 %*					*07/02/09 17:16*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*292 %*	*ZX*				*07/01/09 16:28*	*SW846 8260B*	*9064487*
Surr: 4-Bromofluorobenzene (67-147%)	*112 %*					*07/02/09 17:16*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Acenaphthylene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Anthracene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Benzo (a) anthracene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Benzo (a) pyrene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Benzo (b) fluoranthene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Benzo (k) fluoranthene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Chrysene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Fluoranthene	**0.182**		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Fluorene	**0.232**		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Naphthalene	**0.138**		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Phenanthrene	**0.556**		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Pyrene	**0.155**		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
1-Methylnaphthalene	**0.928**		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
2-Methylnaphthalene	**1.40**		mg/kg dry	0.0836	1	07/08/09 19:42	SW846 8270D	9070221
Surr: Terphenyl-d14 (18-120%)	*18 %*					*07/08/09 19:42*	*SW846 8270D*	*9070221*
Surr: 2-Fluorobiphenyl (14-120%)	*17 %*					*07/08/09 19:42*	*SW846 8270D*	*9070221*
Surr: Nitrobenzene-d5 (17-120%)	*19 %*					*07/08/09 19:42*	*SW846 8270D*	*9070221*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-02 (1138 Iris - Soil) Sampled: 06/22/09 13:55								
General Chemistry Parameters								
% Dry Solids	**79.5**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00205	1	07/01/09 16:57	SW846 8260B	9064487
Ethylbenzene	**0.428**		mg/kg dry	0.119	50	07/02/09 17:46	SW846 8260B	9070397
Naphthalene	**6.74**		mg/kg dry	0.297	50	07/02/09 17:46	SW846 8260B	9070397
Toluene	**0.00444**		mg/kg dry	0.00205	1	07/01/09 16:57	SW846 8260B	9064487
Xylenes, total	**0.303**		mg/kg dry	0.297	50	07/02/09 17:46	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*110 %*					*07/01/09 16:57*	*SW846 8260B*	*9064487*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*104 %*					*07/02/09 17:46*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*101 %*					*07/01/09 16:57*	*SW846 8260B*	*9064487*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*07/02/09 17:46*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*990 %*	*ZX*				*07/01/09 16:57*	*SW846 8260B*	*9064487*
Surr: Toluene-d8 (76-129%)	*118 %*					*07/02/09 17:46*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*681 %*	*ZX*				*07/01/09 16:57*	*SW846 8260B*	*9064487*
Surr: 4-Bromofluorobenzene (67-147%)	*122 %*					*07/02/09 17:46*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**2.86**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Acenaphthylene	ND		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Anthracene	**1.57**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Benzo (a) anthracene	**1.84**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Benzo (a) pyrene	**0.971**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Benzo (b) fluoranthene	**0.934**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Benzo (g,h,i) perylene	ND		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Benzo (k) fluoranthene	**1.11**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Chrysene	**2.49**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Dibenz (a,h) anthracene	ND		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Fluoranthene	**5.27**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Fluorene	**6.65**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Naphthalene	**6.33**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Phenanthrene	**13.2**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
Pyrene	**4.81**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
1-Methylnaphthalene	**28.5**		mg/kg dry	0.834	10	07/08/09 21:59	SW846 8270D	9070221
2-Methylnaphthalene	**69.8**		mg/kg dry	8.34	100	07/08/09 22:22	SW846 8270D	9070221
Surr: Terphenyl-d14 (18-120%)	*95 %*					*07/08/09 21:59*	*SW846 8270D*	*9070221*
Surr: 2-Fluorobiphenyl (14-120%)	*111 %*					*07/08/09 21:59*	*SW846 8270D*	*9070221*
Surr: Nitrobenzene-d5 (17-120%)	*105 %*					*07/08/09 21:59*	*SW846 8270D*	*9070221*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-03 (1137 Iris - Soil) Sampled: 06/23/09 11:50								
General Chemistry Parameters								
% Dry Solids	**81.6**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00228	1	07/02/09 15:47	SW846 8260B	9070397
Ethylbenzene	ND		mg/kg dry	0.00228	1	07/02/09 15:47	SW846 8260B	9070397
Naphthalene	**0.0102**		mg/kg dry	0.00569	1	07/02/09 15:47	SW846 8260B	9070397
Toluene	ND		mg/kg dry	0.00228	1	07/02/09 15:47	SW846 8260B	9070397
Xylenes, total	ND		mg/kg dry	0.00569	1	07/02/09 15:47	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*97 %*					*07/02/09 15:47*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*88 %*					*07/02/09 15:47*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*111 %*					*07/02/09 15:47*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*110 %*					*07/02/09 15:47*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Acenaphthylene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Anthracene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Benzo (a) anthracene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Benzo (a) pyrene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Benzo (b) fluoranthene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Benzo (k) fluoranthene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Chrysene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Fluoranthene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Fluorene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Naphthalene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Phenanthrene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Pyrene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
1-Methylnaphthalene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
2-Methylnaphthalene	ND		mg/kg dry	0.0820	1	07/08/09 20:05	SW846 8270D	9070221
Surr: Terphenyl-d14 (18-120%)	*73 %*					*07/08/09 20:05*	*SW846 8270D*	*9070221*
Surr: 2-Fluorobiphenyl (14-120%)	*63 %*					*07/08/09 20:05*	*SW846 8270D*	*9070221*
Surr: Nitrobenzene-d5 (17-120%)	*75 %*					*07/08/09 20:05*	*SW846 8270D*	*9070221*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-04 (1144 Iris-1 - Soil) Sampled: 06/23/09 15:30								
General Chemistry Parameters								
% Dry Solids	**82.8**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.0145**		mg/kg dry	0.00200	1	07/01/09 17:57	SW846 8260B	9064487
Ethylbenzene	**0.903**		mg/kg dry	0.107	50	07/02/09 18:15	SW846 8260B	9070397
Naphthalene	**16.6**		mg/kg dry	2.69	500	07/06/09 16:18	SW846 8260B	9070635
Toluene	**0.00285**		mg/kg dry	0.00200	1	07/01/09 17:57	SW846 8260B	9064487
Xylenes, total	**0.785**		mg/kg dry	0.269	50	07/02/09 18:15	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*101 %*					*07/01/09 17:57*	*SW846 8260B*	*9064487*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*104 %*					*07/02/09 18:15*	*SW846 8260B*	*9070397*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*101 %*					*07/06/09 16:18*	*SW846 8260B*	*9070635*
Surr: Dibromofluoromethane (75-125%)	*99 %*					*07/01/09 17:57*	*SW846 8260B*	*9064487*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*07/02/09 18:15*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*98 %*					*07/06/09 16:18*	*SW846 8260B*	*9070635*
Surr: Toluene-d8 (76-129%)	*274 %*	*ZX*				*07/01/09 17:57*	*SW846 8260B*	*9064487*
Surr: Toluene-d8 (76-129%)	*115 %*					*07/02/09 18:15*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*111 %*					*07/06/09 16:18*	*SW846 8260B*	*9070635*
Surr: 4-Bromofluorobenzene (67-147%)	*673 %*	*ZX*				*07/01/09 17:57*	*SW846 8260B*	*9064487*
Surr: 4-Bromofluorobenzene (67-147%)	*128 %*					*07/02/09 18:15*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*07/06/09 16:18*	*SW846 8260B*	*9070635*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**2.46**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Acenaphthylene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Anthracene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Benzo (a) anthracene	**1.19**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Benzo (a) pyrene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Benzo (b) fluoranthene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Benzo (g,h,i) perylene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Benzo (k) fluoranthene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Chrysene	**1.60**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Dibenz (a,h) anthracene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Fluoranthene	**3.32**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Fluorene	**5.80**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Naphthalene	**9.18**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Phenanthrene	**12.4**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
Pyrene	**2.84**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
1-Methylnaphthalene	**30.2**		mg/kg dry	0.786	10	07/08/09 22:45	SW846 8270D	9070221
2-Methylnaphthalene	**32.6**		mg/kg dry	1.96	25	07/09/09 12:52	SW846 8270D	9070221
Surr: Terphenyl-d14 (18-120%)	*91 %*					*07/08/09 22:45*	*SW846 8270D*	*9070221*
Surr: 2-Fluorobiphenyl (14-120%)	*102 %*					*07/08/09 22:45*	*SW846 8270D*	*9070221*
Surr: Nitrobenzene-d5 (17-120%)	*40 %*					*07/08/09 22:45*	*SW846 8270D*	*9070221*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-05 (1144 Iris-2 - Soil) Sampled: 06/24/09 09:20								
General Chemistry Parameters								
% Dry Solids	**83.3**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.244**		mg/kg dry	0.110	50	07/02/09 20:43	SW846 8260B	9070397
Ethylbenzene	**7.12**		mg/kg dry	0.110	50	07/02/09 20:43	SW846 8260B	9070397
Naphthalene	**49.4**		mg/kg dry	5.52	1000	07/02/09 21:13	SW846 8260B	9070397
Toluene	**0.00716**		mg/kg dry	0.00234	1	07/01/09 18:26	SW846 8260B	9064487
Xylenes, total	**8.27**		mg/kg dry	0.276	50	07/02/09 20:43	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*103 %*					*07/01/09 18:26*	*SW846 8260B*	*9064487*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*101 %*					*07/02/09 20:43*	*SW846 8260B*	*9070397*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*105 %*					*07/02/09 21:13*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*07/01/09 18:26*	*SW846 8260B*	*9064487*
Surr: Dibromofluoromethane (75-125%)	*89 %*					*07/02/09 20:43*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*95 %*					*07/02/09 21:13*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*1780 %*	*ZX*				*07/01/09 18:26*	*SW846 8260B*	*9064487*
Surr: Toluene-d8 (76-129%)	*140 %*	*ZX*				*07/02/09 20:43*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*116 %*					*07/02/09 21:13*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*687 %*	*ZX*				*07/01/09 18:26*	*SW846 8260B*	*9064487*
Surr: 4-Bromofluorobenzene (67-147%)	*146 %*					*07/02/09 20:43*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*112 %*					*07/02/09 21:13*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**6.68**		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Acenaphthylene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Anthracene	**2.79**		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Benzo (a) anthracene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Benzo (a) pyrene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Benzo (b) fluoranthene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Benzo (g,h,i) perylene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Benzo (k) fluoranthene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Chrysene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Dibenz (a,h) anthracene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Fluoranthene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Fluorene	**14.7**		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Naphthalene	**3.87**		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Phenanthrene	**29.4**		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
Pyrene	**2.72**		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
1-Methylnaphthalene	**68.5**		mg/kg dry	1.58	10	07/08/09 23:08	SW846 8270D	9070221
2-Methylnaphthalene	**75.2**		mg/kg dry	3.94	25	07/09/09 13:14	SW846 8270D	9070221
Surr: Terphenyl-d14 (18-120%)	*103 %*					*07/08/09 23:08*	*SW846 8270D*	*9070221*
Surr: 2-Fluorobiphenyl (14-120%)	*124 %*	*ZX*				*07/08/09 23:08*	*SW846 8270D*	*9070221*
Surr: Nitrobenzene-d5 (17-120%)	*75 %*					*07/08/09 23:08*	*SW846 8270D*	*9070221*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-06 (1148 Iris-1 - Soil) Sampled: 06/24/09 11:45								
General Chemistry Parameters								
% Dry Solids	**75.5**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.139**		mg/kg dry	0.00228	1	07/06/09 16:48	SW846 8260B	9070635
Ethylbenzene	**1.51**	E	mg/kg dry	0.00228	1	07/06/09 16:48	SW846 8260B	9070635
Naphthalene	**1.98**	E	mg/kg dry	0.00570	1	07/06/09 16:48	SW846 8260B	9070635
Toluene	ND		mg/kg dry	0.00228	1	07/06/09 16:48	SW846 8260B	9070635
Xylenes, total	**1.18**	E	mg/kg dry	0.00570	1	07/06/09 16:48	SW846 8260B	9070635
Surr: 1,2-Dichloroethane-d4 (67-138%)	*100 %*					*07/06/09 16:48*	*SW846 8260B*	*9070635*
Surr: Dibromofluoromethane (75-125%)	*96 %*					*07/06/09 16:48*	*SW846 8260B*	*9070635*
Surr: Toluene-d8 (76-129%)	*155 %*	*ZX*				*07/06/09 16:48*	*SW846 8260B*	*9070635*
Surr: 4-Bromofluorobenzene (67-147%)	*421 %*	*ZX*				*07/06/09 16:48*	*SW846 8260B*	*9070635*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Acenaphthylene	ND		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Anthracene	**1.29**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Benzo (a) anthracene	**2.76**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Benzo (a) pyrene	**1.15**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Benzo (b) fluoranthene	**1.46**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Benzo (g,h,i) perylene	**0.328**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Benzo (k) fluoranthene	**1.04**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Chrysene	**2.37**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Dibenz (a,h) anthracene	**0.166**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Fluoranthene	**8.56**		mg/kg dry	0.436	5	07/08/09 16:18	SW846 8270D	9070049
Fluorene	**1.93**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Indeno (1,2,3-cd) pyrene	**0.329**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Naphthalene	**3.33**		mg/kg dry	0.0873	1	07/07/09 19:38	SW846 8270D	9070049
Phenanthrene	**8.12**		mg/kg dry	0.436	5	07/08/09 16:18	SW846 8270D	9070049
Pyrene	**6.48**		mg/kg dry	0.436	5	07/08/09 16:18	SW846 8270D	9070049
1-Methylnaphthalene	**12.5**		mg/kg dry	0.436	5	07/08/09 16:18	SW846 8270D	9070049
2-Methylnaphthalene	**18.7**		mg/kg dry	0.436	5	07/08/09 16:18	SW846 8270D	9070049
Surr: Terphenyl-d14 (18-120%)	*106 %*					*07/07/09 19:38*	*SW846 8270D*	*9070049*
Surr: 2-Fluorobiphenyl (14-120%)	*77 %*					*07/07/09 19:38*	*SW846 8270D*	*9070049*
Surr: Nitrobenzene-d5 (17-120%)	*80 %*					*07/07/09 19:38*	*SW846 8270D*	*9070049*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-07 (1148 Iris-2 - Soil) Sampled: 06/24/09 13:45								
General Chemistry Parameters								
% Dry Solids	**81.2**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.0365**		mg/kg dry	0.00211	1	07/01/09 19:26	SW846 8260B	9064487
Ethylbenzene	**0.891**		mg/kg dry	0.103	50	07/02/09 18:45	SW846 8260B	9070397
Naphthalene	**6.28**		mg/kg dry	0.258	50	07/02/09 18:45	SW846 8260B	9070397
Toluene	ND		mg/kg dry	0.00211	1	07/01/09 19:26	SW846 8260B	9064487
Xylenes, total	**0.817**		mg/kg dry	0.258	50	07/02/09 18:45	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*102 %*					*07/01/09 19:26*	*SW846 8260B*	*9064487*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*105 %*					*07/02/09 18:45*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*96 %*					*07/01/09 19:26*	*SW846 8260B*	*9064487*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*07/02/09 18:45*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*157 %*	*ZX*				*07/01/09 19:26*	*SW846 8260B*	*9064487*
Surr: Toluene-d8 (76-129%)	*122 %*					*07/02/09 18:45*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*347 %*	*ZX*				*07/01/09 19:26*	*SW846 8260B*	*9064487*
Surr: 4-Bromofluorobenzene (67-147%)	*121 %*					*07/02/09 18:45*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Acenaphthylene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Anthracene	**0.293**		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Benzo (a) anthracene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Benzo (a) pyrene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Benzo (b) fluoranthene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Benzo (k) fluoranthene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Chrysene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Fluoranthene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Fluorene	**1.63**		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Naphthalene	**3.28**		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Phenanthrene	**3.18**		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
Pyrene	**0.265**		mg/kg dry	0.0810	1	07/07/09 20:00	SW846 8270D	9070049
1-Methylnaphthalene	**14.0**		mg/kg dry	0.405	5	07/09/09 00:11	SW846 8270D	9070049
2-Methylnaphthalene	**21.0**		mg/kg dry	0.810	10	07/09/09 12:12	SW846 8270D	9070049
Surr: Terphenyl-d14 (18-120%)	*91 %*					*07/07/09 20:00*	*SW846 8270D*	*9070049*
Surr: 2-Fluorobiphenyl (14-120%)	*68 %*					*07/07/09 20:00*	*SW846 8270D*	*9070049*
Surr: Nitrobenzene-d5 (17-120%)	*67 %*					*07/07/09 20:00*	*SW846 8270D*	*9070049*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-08 (1161 Jasmine - Soil) Sampled: 06/24/09 13:50								
General Chemistry Parameters								
% Dry Solids	**82.7**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00200	1	07/01/09 19:55	SW846 8260B	9064487
Ethylbenzene	**0.112**	CF7	mg/kg dry	0.00200	1	07/01/09 19:55	SW846 8260B	9064487
Naphthalene	**4.36**		mg/kg dry	0.242	50	07/02/09 19:15	SW846 8260B	9070397
Toluene	**0.0213**		mg/kg dry	0.00200	1	07/01/09 19:55	SW846 8260B	9064487
Xylenes, total	**1.39**		mg/kg dry	0.242	50	07/02/09 19:15	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*102 %*					*07/01/09 19:55*	*SW846 8260B*	*9064487*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*103 %*					*07/02/09 19:15*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*97 %*					*07/01/09 19:55*	*SW846 8260B*	*9064487*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*07/02/09 19:15*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*142 %*	*ZX*				*07/01/09 19:55*	*SW846 8260B*	*9064487*
Surr: Toluene-d8 (76-129%)	*116 %*					*07/02/09 19:15*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*265 %*	*ZX*				*07/01/09 19:55*	*SW846 8260B*	*9064487*
Surr: 4-Bromofluorobenzene (67-147%)	*117 %*					*07/02/09 19:15*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Acenaphthylene	ND		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Anthracene	ND		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Benzo (a) anthracene	**0.498**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Benzo (a) pyrene	**0.313**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Benzo (b) fluoranthene	**0.345**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Benzo (k) fluoranthene	**0.294**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Chrysene	**0.501**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Fluoranthene	**0.842**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Fluorene	**0.870**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Naphthalene	**1.04**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Phenanthrene	**2.50**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
Pyrene	**1.82**		mg/kg dry	0.0809	1	07/07/09 20:22	SW846 8270D	9070049
1-Methylnaphthalene	**5.67**		mg/kg dry	0.162	2	07/09/09 00:33	SW846 8270D	9070049
2-Methylnaphthalene	**6.86**		mg/kg dry	0.162	2	07/09/09 00:33	SW846 8270D	9070049
Surr: Terphenyl-d14 (18-120%)	*124 %*	*ZX*				*07/07/09 20:22*	*SW846 8270D*	*9070049*
Surr: 2-Fluorobiphenyl (14-120%)	*81 %*					*07/07/09 20:22*	*SW846 8270D*	*9070049*
Surr: Nitrobenzene-d5 (17-120%)	*63 %*					*07/07/09 20:22*	*SW846 8270D*	*9070049*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-09 (1162 Jasmine - Soil) Sampled: 06/25/09 09:10								
General Chemistry Parameters								
% Dry Solids	**79.6**		%	0.500	1	07/02/09 07:50	SW-846	9070070
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00213	1	07/02/09 16:17	SW846 8260B	9070397
Ethylbenzene	ND		mg/kg dry	0.00213	1	07/02/09 16:17	SW846 8260B	9070397
Naphthalene	ND		mg/kg dry	0.00531	1	07/02/09 16:17	SW846 8260B	9070397
Toluene	ND		mg/kg dry	0.00213	1	07/02/09 16:17	SW846 8260B	9070397
Xylenes, total	ND		mg/kg dry	0.00531	1	07/02/09 16:17	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*106 %*					*07/02/09 16:17*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*96 %*					*07/02/09 16:17*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*115 %*					*07/02/09 16:17*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*126 %*					*07/02/09 16:17*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Acenaphthylene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Anthracene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Benzo (a) anthracene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Benzo (a) pyrene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Benzo (b) fluoranthene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Benzo (k) fluoranthene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Chrysene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Fluoranthene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Fluorene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Naphthalene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Phenanthrene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Pyrene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
1-Methylnaphthalene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
2-Methylnaphthalene	ND		mg/kg dry	0.0828	1	07/07/09 20:43	SW846 8270D	9070049
Surr: Terphenyl-d14 (18-120%)	*102 %*					*07/07/09 20:43*	*SW846 8270D*	*9070049*
Surr: 2-Fluorobiphenyl (14-120%)	*94 %*					*07/07/09 20:43*	*SW846 8270D*	*9070049*
Surr: Nitrobenzene-d5 (17-120%)	*93 %*					*07/07/09 20:43*	*SW846 8270D*	*9070049*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF2552-10 (1168 Jasmine - Soil) Sampled: 06/25/09 11:15								
General Chemistry Parameters								
% Dry Solids	**83.0**		%	0.500	1	07/02/09 08:10	SW-846	9070067
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00214	1	07/02/09 16:47	SW846 8260B	9070397
Ethylbenzene	ND		mg/kg dry	0.00214	1	07/02/09 16:47	SW846 8260B	9070397
Naphthalene	**0.00792**		mg/kg dry	0.00535	1	07/02/09 16:47	SW846 8260B	9070397
Toluene	ND		mg/kg dry	0.00214	1	07/02/09 16:47	SW846 8260B	9070397
Xylenes, total	ND		mg/kg dry	0.00535	1	07/02/09 16:47	SW846 8260B	9070397
Surr: 1,2-Dichloroethane-d4 (67-138%)	*106 %*					*07/02/09 16:47*	*SW846 8260B*	*9070397*
Surr: Dibromofluoromethane (75-125%)	*97 %*					*07/02/09 16:47*	*SW846 8260B*	*9070397*
Surr: Toluene-d8 (76-129%)	*114 %*					*07/02/09 16:47*	*SW846 8260B*	*9070397*
Surr: 4-Bromofluorobenzene (67-147%)	*109 %*					*07/02/09 16:47*	*SW846 8260B*	*9070397*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Acenaphthylene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Anthracene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Benzo (a) anthracene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Benzo (a) pyrene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Benzo (b) fluoranthene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Benzo (k) fluoranthene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Chrysene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Fluoranthene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Fluorene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Naphthalene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Phenanthrene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Pyrene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
1-Methylnaphthalene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
2-Methylnaphthalene	ND		mg/kg dry	0.0782	1	07/07/09 21:05	SW846 8270D	9070049
Surr: Terphenyl-d14 (18-120%)	*93 %*					*07/07/09 21:05*	*SW846 8270D*	*9070049*
Surr: 2-Fluorobiphenyl (14-120%)	*89 %*					*07/07/09 21:05*	*SW846 8270D*	*9070049*
Surr: Nitrobenzene-d5 (17-120%)	*82 %*					*07/07/09 21:05*	*SW846 8270D*	*9070049*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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	9070221	NSF2552-01	30.29	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-02	30.31	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-02RE1	30.31	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-02RE2	30.31	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-03	30.04	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-04	30.90	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-04RE1	30.90	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-04RE2	30.90	1.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-05	30.59	2.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-05RE1	30.59	2.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070221	NSF2552-05RE2	30.59	2.00	07/02/09 11:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-06	30.51	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-06RE1	30.51	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-07	30.57	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-07RE1	30.57	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-07RE2	30.57	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-08	30.03	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-08RE1	30.03	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-09	30.50	1.00	07/07/09 10:30	TEM	EPA 3550B
SW846 8270D	9070049	NSF2552-10	30.96	1.00	07/07/09 10:30	TEM	EPA 3550B
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9064487	NSF2552-01	5.66	5.00	06/22/09 09:45	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-01RE1	5.75	5.00	06/22/09 09:45	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-02	6.14	5.00	06/22/09 13:55	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-02RE1	5.30	5.00	06/22/09 13:55	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-03	5.66	5.00	06/23/09 11:50	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-03RE1	5.38	5.00	06/23/09 11:50	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-04	6.05	5.00	06/23/09 15:30	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-04RE1	5.62	5.00	06/23/09 15:30	JRL	EPA 5035
SW846 8260B	9070635	NSF2552-04RE2	5.62	5.00	06/23/09 15:30	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-05	5.12	5.00	06/24/09 09:20	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-05RE1	5.44	5.00	06/24/09 09:20	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-05RE2	5.44	5.00	06/24/09 09:20	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-06	5.90	5.00	06/24/09 11:45	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-06RE1	5.81	5.00	06/24/09 11:45	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-06RE2	5.81	5.00	06/24/09 11:45	JRL	EPA 5035
SW846 8260B	9070635	NSF2552-06RE3	5.81	5.00	06/24/09 11:45	JRL	EPA 5035
SW846 8260B	9070635	NSF2552-06RE4	5.81	5.00	06/24/09 11:45	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-07	5.84	5.00	06/24/09 13:45	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-07RE1	5.96	5.00	06/24/09 13:45	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-08	6.04	5.00	06/24/09 13:50	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-08RE1	6.25	5.00	06/24/09 13:50	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-09	5.94	5.00	06/25/09 09:10	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-09RE1	5.91	5.00	06/25/09 09:10	JRL	EPA 5035

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
SW846 8260B	9064487	NSF2552-10	5.81	5.00	06/25/09 11:15	JRL	EPA 5035
SW846 8260B	9064487	NSF2552-10RE1	5.57	5.00	06/25/09 11:15	JRL	EPA 5035
SW846 8260B	9070397	NSF2552-10RE2	5.63	5.00	06/25/09 11:15	JRL	EPA 5035

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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						
9064487-BLK1						
Benzene	<0.000670		mg/kg wet	9064487	9064487-BLK1	07/01/09 14:34
Ethylbenzene	<0.000670		mg/kg wet	9064487	9064487-BLK1	07/01/09 14:34
Naphthalene	<0.00170		mg/kg wet	9064487	9064487-BLK1	07/01/09 14:34
Toluene	<0.000400		mg/kg wet	9064487	9064487-BLK1	07/01/09 14:34
Xylenes, total	<0.00130		mg/kg wet	9064487	9064487-BLK1	07/01/09 14:34
Surrogate: 1,2-Dichloroethane-d4	132%			9064487	9064487-BLK1	07/01/09 14:34
Surrogate: Dibromofluoromethane	104%			9064487	9064487-BLK1	07/01/09 14:34
Surrogate: Toluene-d8	116%			9064487	9064487-BLK1	07/01/09 14:34
Surrogate: 4-Bromofluorobenzene	116%			9064487	9064487-BLK1	07/01/09 14:34
9070397-BLK1						
Benzene	<0.000670		mg/kg wet	9070397	9070397-BLK1	07/02/09 15:18
Ethylbenzene	<0.000670		mg/kg wet	9070397	9070397-BLK1	07/02/09 15:18
Naphthalene	<0.00170		mg/kg wet	9070397	9070397-BLK1	07/02/09 15:18
Toluene	<0.000400		mg/kg wet	9070397	9070397-BLK1	07/02/09 15:18
Xylenes, total	<0.00130		mg/kg wet	9070397	9070397-BLK1	07/02/09 15:18
Surrogate: 1,2-Dichloroethane-d4	106%			9070397	9070397-BLK1	07/02/09 15:18
Surrogate: Dibromofluoromethane	96%			9070397	9070397-BLK1	07/02/09 15:18
Surrogate: Toluene-d8	113%			9070397	9070397-BLK1	07/02/09 15:18
Surrogate: 4-Bromofluorobenzene	109%			9070397	9070397-BLK1	07/02/09 15:18
9070635-BLK1						
Benzene	<0.000670		mg/kg wet	9070635	9070635-BLK1	07/06/09 15:49
Ethylbenzene	<0.000670		mg/kg wet	9070635	9070635-BLK1	07/06/09 15:49
Naphthalene	<0.00170		mg/kg wet	9070635	9070635-BLK1	07/06/09 15:49
Toluene	<0.000400		mg/kg wet	9070635	9070635-BLK1	07/06/09 15:49
Xylenes, total	<0.00130		mg/kg wet	9070635	9070635-BLK1	07/06/09 15:49
Surrogate: 1,2-Dichloroethane-d4	95%			9070635	9070635-BLK1	07/06/09 15:49
Surrogate: Dibromofluoromethane	89%			9070635	9070635-BLK1	07/06/09 15:49
Surrogate: Toluene-d8	110%			9070635	9070635-BLK1	07/06/09 15:49
Surrogate: 4-Bromofluorobenzene	106%			9070635	9070635-BLK1	07/06/09 15:49
Polyaromatic Hydrocarbons by EPA 8270D						
9070049-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Acenaphthylene	<0.0310		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Anthracene	<0.0330		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Benzo (a) anthracene	<0.0380		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Benzo (a) pyrene	<0.0300		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D						
9070049-BLK1						
Chrysene	<0.0400		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Fluoranthene	<0.0340		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Fluorene	<0.0360		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Naphthalene	<0.0410		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Phenanthrene	<0.0340		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Pyrene	<0.0410		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
1-Methylnaphthalene	<0.0320		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
2-Methylnaphthalene	<0.0330		mg/kg wet	9070049	9070049-BLK1	07/07/09 18:11
Surrogate: Terphenyl-d14	98%			9070049	9070049-BLK1	07/07/09 18:11
Surrogate: 2-Fluorobiphenyl	96%			9070049	9070049-BLK1	07/07/09 18:11
Surrogate: Nitrobenzene-d5	86%			9070049	9070049-BLK1	07/07/09 18:11
9070221-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Acenaphthylene	<0.0310		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Anthracene	<0.0330		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Benzo (a) anthracene	<0.0380		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Benzo (a) pyrene	<0.0300		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Chrysene	<0.0400		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Fluoranthene	<0.0340		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Fluorene	<0.0360		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Naphthalene	<0.0410		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Phenanthrene	<0.0340		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Pyrene	<0.0410		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
1-Methylnaphthalene	<0.0320		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
2-Methylnaphthalene	<0.0330		mg/kg wet	9070221	9070221-BLK1	07/08/09 00:53
Surrogate: Terphenyl-d14	72%			9070221	9070221-BLK1	07/08/09 00:53
Surrogate: 2-Fluorobiphenyl	66%			9070221	9070221-BLK1	07/08/09 00:53
Surrogate: Nitrobenzene-d5	78%			9070221	9070221-BLK1	07/08/09 00:53

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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										
9070067-DUP1										
% Dry Solids	83.0	82.5		%	0.6	20	9070067	NSF2552-10		07/02/09 08:10
9070070-DUP1										
% Dry Solids	91.0	90.1		%	1	20	9070070	NSF2500-03		07/02/09 07:50

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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								
9064487-BS1								
Benzene	50.0	52.6		ug/kg	105%	78 - 126	9064487	07/01/09 12:36
Ethylbenzene	50.0	52.8		ug/kg	106%	79 - 130	9064487	07/01/09 12:36
Naphthalene	50.0	54.2		ug/kg	108%	72 - 150	9064487	07/01/09 12:36
Toluene	50.0	59.2		ug/kg	118%	76 - 126	9064487	07/01/09 12:36
Xylenes, total	150	165		ug/kg	110%	80 - 130	9064487	07/01/09 12:36
Surrogate: 1,2-Dichloroethane-d4	50.0	50.0			100%	67 - 138	9064487	07/01/09 12:36
Surrogate: Dibromofluoromethane	50.0	46.7			93%	75 - 125	9064487	07/01/09 12:36
Surrogate: Toluene-d8	50.0	55.2			110%	76 - 129	9064487	07/01/09 12:36
Surrogate: 4-Bromofluorobenzene	50.0	51.5			103%	67 - 147	9064487	07/01/09 12:36
9070397-BS1								
Benzene	50.0	53.5		ug/kg	107%	78 - 126	9070397	07/02/09 13:19
Ethylbenzene	50.0	52.6		ug/kg	105%	79 - 130	9070397	07/02/09 13:19
Naphthalene	50.0	56.9		ug/kg	114%	72 - 150	9070397	07/02/09 13:19
Toluene	50.0	59.3		ug/kg	119%	76 - 126	9070397	07/02/09 13:19
Xylenes, total	150	170		ug/kg	114%	80 - 130	9070397	07/02/09 13:19
Surrogate: 1,2-Dichloroethane-d4	50.0	49.8			100%	67 - 138	9070397	07/02/09 13:19
Surrogate: Dibromofluoromethane	50.0	45.5			91%	75 - 125	9070397	07/02/09 13:19
Surrogate: Toluene-d8	50.0	57.0			114%	76 - 129	9070397	07/02/09 13:19
Surrogate: 4-Bromofluorobenzene	50.0	53.8			108%	67 - 147	9070397	07/02/09 13:19
9070635-BS1								
Benzene	50.0	52.4		ug/kg	105%	78 - 126	9070635	07/06/09 13:50
Ethylbenzene	50.0	51.9		ug/kg	104%	79 - 130	9070635	07/06/09 13:50
Naphthalene	50.0	49.6		ug/kg	99%	72 - 150	9070635	07/06/09 13:50
Toluene	50.0	57.8		ug/kg	116%	76 - 126	9070635	07/06/09 13:50
Xylenes, total	150	168		ug/kg	112%	80 - 130	9070635	07/06/09 13:50
Surrogate: 1,2-Dichloroethane-d4	50.0	47.8			96%	67 - 138	9070635	07/06/09 13:50
Surrogate: Dibromofluoromethane	50.0	46.7			93%	75 - 125	9070635	07/06/09 13:50
Surrogate: Toluene-d8	50.0	55.5			111%	76 - 129	9070635	07/06/09 13:50
Surrogate: 4-Bromofluorobenzene	50.0	52.0			104%	67 - 147	9070635	07/06/09 13:50
Polyaromatic Hydrocarbons by EPA 8270D								
9070049-BS1								
Acenaphthene	1.67	1.49		mg/kg wet	89%	49 - 120	9070049	07/07/09 18:33
Acenaphthylene	1.67	1.49		mg/kg wet	89%	52 - 120	9070049	07/07/09 18:33
Anthracene	1.67	1.60		mg/kg wet	96%	58 - 120	9070049	07/07/09 18:33
Benzo (a) anthracene	1.67	1.51		mg/kg wet	91%	57 - 120	9070049	07/07/09 18:33
Benzo (a) pyrene	1.67	1.53		mg/kg wet	92%	55 - 120	9070049	07/07/09 18:33
Benzo (b) fluoranthene	1.67	1.41		mg/kg wet	85%	51 - 123	9070049	07/07/09 18:33
Benzo (g,h,i) perylene	1.67	1.36		mg/kg wet	81%	49 - 121	9070049	07/07/09 18:33
Benzo (k) fluoranthene	1.67	1.54		mg/kg wet	92%	42 - 129	9070049	07/07/09 18:33

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D								
9070049-BS1								
Chrysene	1.67	1.52		mg/kg wet	91%	55 - 120	9070049	07/07/09 18:33
Dibenz (a,h) anthracene	1.67	1.47		mg/kg wet	88%	50 - 123	9070049	07/07/09 18:33
Fluoranthene	1.67	1.57		mg/kg wet	94%	58 - 120	9070049	07/07/09 18:33
Fluorene	1.67	1.46		mg/kg wet	88%	54 - 120	9070049	07/07/09 18:33
Indeno (1,2,3-cd) pyrene	1.67	1.45		mg/kg wet	87%	50 - 122	9070049	07/07/09 18:33
Naphthalene	1.67	1.26		mg/kg wet	76%	28 - 107	9070049	07/07/09 18:33
Phenanthrene	1.67	1.50		mg/kg wet	90%	56 - 120	9070049	07/07/09 18:33
Pyrene	1.67	1.40		mg/kg wet	84%	56 - 120	9070049	07/07/09 18:33
1-Methylnaphthalene	1.67	1.16		mg/kg wet	70%	36 - 120	9070049	07/07/09 18:33
2-Methylnaphthalene	1.67	1.23		mg/kg wet	74%	36 - 120	9070049	07/07/09 18:33
Surrogate: Terphenyl-d14	1.67	1.33			80%	18 - 120	9070049	07/07/09 18:33
Surrogate: 2-Fluorobiphenyl	1.67	1.42			85%	14 - 120	9070049	07/07/09 18:33
Surrogate: Nitrobenzene-d5	1.67	1.17			70%	17 - 120	9070049	07/07/09 18:33
9070221-BS1								
Acenaphthene	1.67	1.28		mg/kg wet	77%	49 - 120	9070221	07/08/09 01:15
Acenaphthylene	1.67	1.40		mg/kg wet	84%	52 - 120	9070221	07/08/09 01:15
Anthracene	1.67	1.59		mg/kg wet	96%	58 - 120	9070221	07/08/09 01:15
Benzo (a) anthracene	1.67	1.57		mg/kg wet	94%	57 - 120	9070221	07/08/09 01:15
Benzo (a) pyrene	1.67	1.63		mg/kg wet	98%	55 - 120	9070221	07/08/09 01:15
Benzo (b) fluoranthene	1.67	1.48		mg/kg wet	89%	51 - 123	9070221	07/08/09 01:15
Benzo (g,h,i) perylene	1.67	1.62		mg/kg wet	97%	49 - 121	9070221	07/08/09 01:15
Benzo (k) fluoranthene	1.67	1.53		mg/kg wet	92%	42 - 129	9070221	07/08/09 01:15
Chrysene	1.67	1.47		mg/kg wet	88%	55 - 120	9070221	07/08/09 01:15
Dibenz (a,h) anthracene	1.67	1.66		mg/kg wet	99%	50 - 123	9070221	07/08/09 01:15
Fluoranthene	1.67	1.62		mg/kg wet	97%	58 - 120	9070221	07/08/09 01:15
Fluorene	1.67	1.36		mg/kg wet	81%	54 - 120	9070221	07/08/09 01:15
Indeno (1,2,3-cd) pyrene	1.67	1.66		mg/kg wet	99%	50 - 122	9070221	07/08/09 01:15
Naphthalene	1.67	1.09		mg/kg wet	65%	28 - 107	9070221	07/08/09 01:15
Phenanthrene	1.67	1.43		mg/kg wet	86%	56 - 120	9070221	07/08/09 01:15
Pyrene	1.67	1.52		mg/kg wet	91%	56 - 120	9070221	07/08/09 01:15
1-Methylnaphthalene	1.67	1.11		mg/kg wet	67%	36 - 120	9070221	07/08/09 01:15
2-Methylnaphthalene	1.67	1.19		mg/kg wet	72%	36 - 120	9070221	07/08/09 01:15
Surrogate: Terphenyl-d14	1.67	1.42			85%	18 - 120	9070221	07/08/09 01:15
Surrogate: 2-Fluorobiphenyl	1.67	1.16			70%	14 - 120	9070221	07/08/09 01:15
Surrogate: Nitrobenzene-d5	1.67	1.22			73%	17 - 120	9070221	07/08/09 01:15

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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												
9064487-BSD1												
Benzene		50.6		ug/kg	50.0	101%	78 - 126	4	50	9064487		07/01/09 13:06
Ethylbenzene		47.9		ug/kg	50.0	96%	79 - 130	10	50	9064487		07/01/09 13:06
Naphthalene		45.6		ug/kg	50.0	91%	72 - 150	17	50	9064487		07/01/09 13:06
Toluene		51.2		ug/kg	50.0	102%	76 - 126	14	50	9064487		07/01/09 13:06
Xylenes, total		161		ug/kg	150	108%	80 - 130	2	50	9064487		07/01/09 13:06
Surrogate: 1,2-Dichloroethane-d4		63.7		ug/kg	50.0	127%	67 - 138			9064487		07/01/09 13:06
Surrogate: Dibromofluoromethane		53.8		ug/kg	50.0	108%	75 - 125			9064487		07/01/09 13:06
Surrogate: Toluene-d8		56.3		ug/kg	50.0	113%	76 - 129			9064487		07/01/09 13:06
Surrogate: 4-Bromofluorobenzene		51.8		ug/kg	50.0	104%	67 - 147			9064487		07/01/09 13:06
9070397-BSD1												
Benzene		52.8		ug/kg	50.0	106%	78 - 126	1	50	9070397		07/02/09 13:49
Ethylbenzene		49.9		ug/kg	50.0	100%	79 - 130	5	50	9070397		07/02/09 13:49
Naphthalene		47.9		ug/kg	50.0	96%	72 - 150	17	50	9070397		07/02/09 13:49
Toluene		54.1		ug/kg	50.0	108%	76 - 126	9	50	9070397		07/02/09 13:49
Xylenes, total		160		ug/kg	150	107%	80 - 130	6	50	9070397		07/02/09 13:49
Surrogate: 1,2-Dichloroethane-d4		54.3		ug/kg	50.0	109%	67 - 138			9070397		07/02/09 13:49
Surrogate: Dibromofluoromethane		49.0		ug/kg	50.0	98%	75 - 125			9070397		07/02/09 13:49
Surrogate: Toluene-d8		55.8		ug/kg	50.0	112%	76 - 129			9070397		07/02/09 13:49
Surrogate: 4-Bromofluorobenzene		53.7		ug/kg	50.0	107%	67 - 147			9070397		07/02/09 13:49
9070635-BSD1												
Benzene		51.4		ug/kg	50.0	103%	78 - 126	2	50	9070635		07/06/09 14:20
Ethylbenzene		46.5		ug/kg	50.0	93%	79 - 130	11	50	9070635		07/06/09 14:20
Naphthalene		50.8		ug/kg	50.0	102%	72 - 150	2	50	9070635		07/06/09 14:20
Toluene		52.8		ug/kg	50.0	106%	76 - 126	9	50	9070635		07/06/09 14:20
Xylenes, total		141		ug/kg	150	94%	80 - 130	17	50	9070635		07/06/09 14:20
Surrogate: 1,2-Dichloroethane-d4		51.1		ug/kg	50.0	102%	67 - 138			9070635		07/06/09 14:20
Surrogate: Dibromofluoromethane		49.7		ug/kg	50.0	99%	75 - 125			9070635		07/06/09 14:20
Surrogate: Toluene-d8		55.6		ug/kg	50.0	111%	76 - 129			9070635		07/06/09 14:20
Surrogate: 4-Bromofluorobenzene		49.6		ug/kg	50.0	99%	67 - 147			9070635		07/06/09 14:20

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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										
9064487-MS1										
Benzene	ND	3.03		mg/kg dry	3.01	101%	42 - 141	9064487	NSF2552-10	07/01/09 21:54
Ethylbenzene	0.00143	2.89		mg/kg dry	3.01	96%	21 - 165	9064487	NSF2552-10	07/01/09 21:54
Naphthalene	0.0169	2.85		mg/kg dry	3.01	94%	10 - 160	9064487	NSF2552-10	07/01/09 21:54
Toluene	ND	3.17		mg/kg dry	3.01	105%	45 - 145	9064487	NSF2552-10	07/01/09 21:54
Xylenes, total	ND	9.35		mg/kg dry	9.04	104%	31 - 159	9064487	NSF2552-10	07/01/09 21:54
Surrogate: 1,2-Dichloroethane-d4		51.2		ug/kg	50.0	102%	67 - 138	9064487	NSF2552-10	07/01/09 21:54
Surrogate: Dibromofluoromethane		49.0		ug/kg	50.0	98%	75 - 125	9064487	NSF2552-10	07/01/09 21:54
Surrogate: Toluene-d8		56.3		ug/kg	50.0	113%	76 - 129	9064487	NSF2552-10	07/01/09 21:54
Surrogate: 4-Bromofluorobenzene		57.3		ug/kg	50.0	115%	67 - 147	9064487	NSF2552-10	07/01/09 21:54
9070397-MS1										
Benzene	ND	0.0391		mg/kg dry	0.0560	70%	42 - 141	9070397	NSF2627-12	07/02/09 22:42
Ethylbenzene	ND	0.0331		mg/kg dry	0.0560	59%	21 - 165	9070397	NSF2627-12	07/02/09 22:42
Naphthalene	ND	0.0256		mg/kg dry	0.0560	46%	10 - 160	9070397	NSF2627-12	07/02/09 22:42
Toluene	ND	0.0400		mg/kg dry	0.0560	71%	45 - 145	9070397	NSF2627-12	07/02/09 22:42
Xylenes, total	ND	0.0961		mg/kg dry	0.168	57%	31 - 159	9070397	NSF2627-12	07/02/09 22:42
Surrogate: 1,2-Dichloroethane-d4		47.6		ug/kg	50.0	95%	67 - 138	9070397	NSF2627-12	07/02/09 22:42
Surrogate: Dibromofluoromethane		45.6		ug/kg	50.0	91%	75 - 125	9070397	NSF2627-12	07/02/09 22:42
Surrogate: Toluene-d8		56.1		ug/kg	50.0	112%	76 - 129	9070397	NSF2627-12	07/02/09 22:42
Surrogate: 4-Bromofluorobenzene		55.2		ug/kg	50.0	110%	67 - 147	9070397	NSF2627-12	07/02/09 22:42
9070635-MS1										
Benzene	0.00321	0.0302		mg/kg dry	0.0490	55%	42 - 141	9070635	NSF2495-23	07/06/09 22:14
Ethylbenzene	ND	0.0270		mg/kg dry	0.0490	55%	21 - 165	9070635	NSF2495-23	07/06/09 22:14
Naphthalene	ND	0.0212		mg/kg dry	0.0490	43%	10 - 160	9070635	NSF2495-23	07/06/09 22:14
Toluene	0.00150	0.0295		mg/kg dry	0.0490	57%	45 - 145	9070635	NSF2495-23	07/06/09 22:14
Xylenes, total	ND	0.0791		mg/kg dry	0.147	54%	31 - 159	9070635	NSF2495-23	07/06/09 22:14
Surrogate: 1,2-Dichloroethane-d4		50.0		ug/kg	50.0	100%	67 - 138	9070635	NSF2495-23	07/06/09 22:14
Surrogate: Dibromofluoromethane		47.0		ug/kg	50.0	94%	75 - 125	9070635	NSF2495-23	07/06/09 22:14
Surrogate: Toluene-d8		53.5		ug/kg	50.0	107%	76 - 129	9070635	NSF2495-23	07/06/09 22:14
Surrogate: 4-Bromofluorobenzene		54.3		ug/kg	50.0	109%	67 - 147	9070635	NSF2495-23	07/06/09 22:14
Polyaromatic Hydrocarbons by EPA 8270D										
9070049-MS1										
Acenaphthene	ND	2.56	M1	mg/kg dry	2.02	127%	42 - 120	9070049	NSF2552-07	07/07/09 18:55
Acenaphthylene	ND	2.03		mg/kg dry	2.02	100%	32 - 120	9070049	NSF2552-07	07/07/09 18:55
Anthracene	0.293	2.60		mg/kg dry	2.02	114%	10 - 200	9070049	NSF2552-07	07/07/09 18:55
Benzo (a) anthracene	ND	2.25		mg/kg dry	2.02	111%	41 - 120	9070049	NSF2552-07	07/07/09 18:55

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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										
9070049-MS1										
Benzo (a) pyrene	ND	2.31		mg/kg dry	2.02	114%	33 - 121	9070049	NSF2552-07	07/07/09 18:55
Benzo (b) fluoranthene	ND	1.84		mg/kg dry	2.02	91%	26 - 137	9070049	NSF2552-07	07/07/09 18:55
Benzo (g,h,i) perylene	ND	1.98		mg/kg dry	2.02	98%	21 - 124	9070049	NSF2552-07	07/07/09 18:55
Benzo (k) fluoranthene	ND	2.73		mg/kg dry	2.02	135%	14 - 140	9070049	NSF2552-07	07/07/09 18:55
Chrysene	ND	2.22		mg/kg dry	2.02	110%	28 - 123	9070049	NSF2552-07	07/07/09 18:55
Dibenz (a,h) anthracene	ND	2.20		mg/kg dry	2.02	109%	25 - 127	9070049	NSF2552-07	07/07/09 18:55
Fluoranthene	ND	2.27		mg/kg dry	2.02	112%	38 - 120	9070049	NSF2552-07	07/07/09 18:55
Fluorene	1.63	3.20		mg/kg dry	2.02	78%	41 - 120	9070049	NSF2552-07	07/07/09 18:55
Indeno (1,2,3-cd) pyrene	ND	2.13		mg/kg dry	2.02	105%	25 - 123	9070049	NSF2552-07	07/07/09 18:55
Naphthalene	3.28	4.53		mg/kg dry	2.02	62%	25 - 120	9070049	NSF2552-07	07/07/09 18:55
Phenanthrene	3.18	4.82		mg/kg dry	2.02	81%	37 - 120	9070049	NSF2552-07	07/07/09 18:55
Pyrene	0.265	2.52		mg/kg dry	2.02	112%	29 - 125	9070049	NSF2552-07	07/07/09 18:55
1-Methylnaphthalene	10.4	10.3	MHA	mg/kg dry	2.02	-4%	19 - 120	9070049	NSF2552-07	07/07/09 18:55
2-Methylnaphthalene	13.4	13.1	MHA	mg/kg dry	2.02	-17%	11 - 120	9070049	NSF2552-07	07/07/09 18:55
Surrogate: Terphenyl-d14		2.30		mg/kg dry	2.02	114%	18 - 120	9070049	NSF2552-07	07/07/09 18:55
Surrogate: 2-Fluorobiphenyl		1.59		mg/kg dry	2.02	79%	14 - 120	9070049	NSF2552-07	07/07/09 18:55
Surrogate: Nitrobenzene-d5		1.39		mg/kg dry	2.02	69%	17 - 120	9070049	NSF2552-07	07/07/09 18:55
9070221-MS1										
Acenaphthene	ND	1.14		mg/kg dry	1.70	67%	42 - 120	9070221	NSG0085-09	07/08/09 01:38
Acenaphthylene	ND	1.21		mg/kg dry	1.70	71%	32 - 120	9070221	NSG0085-09	07/08/09 01:38
Anthracene	ND	1.26		mg/kg dry	1.70	74%	10 - 200	9070221	NSG0085-09	07/08/09 01:38
Benzo (a) anthracene	ND	1.23		mg/kg dry	1.70	72%	41 - 120	9070221	NSG0085-09	07/08/09 01:38
Benzo (a) pyrene	ND	1.29		mg/kg dry	1.70	76%	33 - 121	9070221	NSG0085-09	07/08/09 01:38
Benzo (b) fluoranthene	ND	1.29		mg/kg dry	1.70	75%	26 - 137	9070221	NSG0085-09	07/08/09 01:38
Benzo (g,h,i) perylene	ND	1.30		mg/kg dry	1.70	76%	21 - 124	9070221	NSG0085-09	07/08/09 01:38
Benzo (k) fluoranthene	ND	1.11		mg/kg dry	1.70	65%	14 - 140	9070221	NSG0085-09	07/08/09 01:38
Chrysene	ND	1.21		mg/kg dry	1.70	71%	28 - 123	9070221	NSG0085-09	07/08/09 01:38
Dibenz (a,h) anthracene	ND	1.30		mg/kg dry	1.70	76%	25 - 127	9070221	NSG0085-09	07/08/09 01:38
Fluoranthene	ND	1.27		mg/kg dry	1.70	75%	38 - 120	9070221	NSG0085-09	07/08/09 01:38
Fluorene	ND	1.15		mg/kg dry	1.70	67%	41 - 120	9070221	NSG0085-09	07/08/09 01:38
Indeno (1,2,3-cd) pyrene	ND	1.29		mg/kg dry	1.70	76%	25 - 123	9070221	NSG0085-09	07/08/09 01:38
Naphthalene	ND	1.08		mg/kg dry	1.70	63%	25 - 120	9070221	NSG0085-09	07/08/09 01:38
Phenanthrene	ND	1.17		mg/kg dry	1.70	69%	37 - 120	9070221	NSG0085-09	07/08/09 01:38
Pyrene	ND	1.17		mg/kg dry	1.70	68%	29 - 125	9070221	NSG0085-09	07/08/09 01:38
1-Methylnaphthalene	ND	1.03		mg/kg dry	1.70	60%	19 - 120	9070221	NSG0085-09	07/08/09 01:38
2-Methylnaphthalene	ND	1.12		mg/kg dry	1.70	66%	11 - 120	9070221	NSG0085-09	07/08/09 01:38
Surrogate: Terphenyl-d14		1.13		mg/kg dry	1.70	67%	18 - 120	9070221	NSG0085-09	07/08/09 01:38

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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										
9070221-MS1										
Surrogate: 2-Fluorobiphenyl		1.13		mg/kg dry	1.70	66%	14 - 120	9070221	NSG0085-09	07/08/09 01:38
Surrogate: Nitrobenzene-d5		1.25		mg/kg dry	1.70	73%	17 - 120	9070221	NSG0085-09	07/08/09 01:38

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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												
9064487-MSD1												
Benzene	ND	3.33		mg/kg dry	3.01	110%	42 - 141	9	50	9064487	NSF2552-10	07/01/09 22:23
Ethylbenzene	0.00143	3.13		mg/kg dry	3.01	104%	21 - 165	8	50	9064487	NSF2552-10	07/01/09 22:23
Naphthalene	0.0169	3.30		mg/kg dry	3.01	109%	10 - 160	15	50	9064487	NSF2552-10	07/01/09 22:23
Toluene	ND	3.52		mg/kg dry	3.01	117%	45 - 145	10	50	9064487	NSF2552-10	07/01/09 22:23
Xylenes, total	ND	9.83		mg/kg dry	9.04	109%	31 - 159	5	50	9064487	NSF2552-10	07/01/09 22:23
Surrogate: 1,2-Dichloroethane-d4		51.6		ug/kg	50.0	103%	67 - 138			9064487	NSF2552-10	07/01/09 22:23
Surrogate: Dibromofluoromethane		49.5		ug/kg	50.0	99%	75 - 125			9064487	NSF2552-10	07/01/09 22:23
Surrogate: Toluene-d8		56.5		ug/kg	50.0	113%	76 - 129			9064487	NSF2552-10	07/01/09 22:23
Surrogate: 4-Bromofluorobenzene		57.5		ug/kg	50.0	115%	67 - 147			9064487	NSF2552-10	07/01/09 22:23
9070397-MSD1												
Benzene	ND	0.0507		mg/kg dry	0.0577	88%	42 - 141	26	50	9070397	NSF2627-12	07/02/09 23:11
Ethylbenzene	ND	0.0434		mg/kg dry	0.0577	75%	21 - 165	27	50	9070397	NSF2627-12	07/02/09 23:11
Naphthalene	ND	0.0229		mg/kg dry	0.0577	40%	10 - 160	11	50	9070397	NSF2627-12	07/02/09 23:11
Toluene	ND	0.0500		mg/kg dry	0.0577	87%	45 - 145	22	50	9070397	NSF2627-12	07/02/09 23:11
Xylenes, total	ND	0.132		mg/kg dry	0.173	76%	31 - 159	31	50	9070397	NSF2627-12	07/02/09 23:11
Surrogate: 1,2-Dichloroethane-d4		49.6		ug/kg	50.0	99%	67 - 138			9070397	NSF2627-12	07/02/09 23:11
Surrogate: Dibromofluoromethane		49.1		ug/kg	50.0	98%	75 - 125			9070397	NSF2627-12	07/02/09 23:11
Surrogate: Toluene-d8		56.3		ug/kg	50.0	113%	76 - 129			9070397	NSF2627-12	07/02/09 23:11
Surrogate: 4-Bromofluorobenzene		53.6		ug/kg	50.0	107%	67 - 147			9070397	NSF2627-12	07/02/09 23:11
9070635-MSD1												
Benzene	0.00321	0.0396		mg/kg dry	0.0500	73%	42 - 141	27	50	9070635	NSF2495-23	07/06/09 22:43
Ethylbenzene	ND	0.0326		mg/kg dry	0.0500	65%	21 - 165	19	50	9070635	NSF2495-23	07/06/09 22:43
Naphthalene	ND	0.0196		mg/kg dry	0.0500	39%	10 - 160	8	50	9070635	NSF2495-23	07/06/09 22:43
Toluene	0.00150	0.0373		mg/kg dry	0.0500	72%	45 - 145	23	50	9070635	NSF2495-23	07/06/09 22:43
Xylenes, total	ND	0.101		mg/kg dry	0.150	68%	31 - 159	25	50	9070635	NSF2495-23	07/06/09 22:43
Surrogate: 1,2-Dichloroethane-d4		49.7		ug/kg	50.0	99%	67 - 138			9070635	NSF2495-23	07/06/09 22:43
Surrogate: Dibromofluoromethane		50.3		ug/kg	50.0	101%	75 - 125			9070635	NSF2495-23	07/06/09 22:43
Surrogate: Toluene-d8		61.4		ug/kg	50.0	123%	76 - 129			9070635	NSF2495-23	07/06/09 22:43
Surrogate: 4-Bromofluorobenzene		52.3		ug/kg	50.0	105%	67 - 147			9070635	NSF2495-23	07/06/09 22:43
Polyaromatic Hydrocarbons by EPA 8270D												
9070049-MSD1												
Acenaphthene	ND	2.00		mg/kg dry	2.03	98%	42 - 120	24	40	9070049	NSF2552-07	07/07/09 19:16
Acenaphthylene	ND	1.60		mg/kg dry	2.03	79%	32 - 120	24	30	9070049	NSF2552-07	07/07/09 19:16
Anthracene	0.293	1.87		mg/kg dry	2.03	77%	10 - 200	33	50	9070049	NSF2552-07	07/07/09 19:16
Benzo (a) anthracene	ND	1.64	R	mg/kg dry	2.03	81%	41 - 120	31	30	9070049	NSF2552-07	07/07/09 19:16
Benzo (a) pyrene	ND	1.68		mg/kg dry	2.03	82%	33 - 121	32	33	9070049	NSF2552-07	07/07/09 19:16
Benzo (b) fluoranthene	ND	1.69		mg/kg dry	2.03	83%	26 - 137	9	42	9070049	NSF2552-07	07/07/09 19:16
Benzo (g,h,i) perylene	ND	1.46		mg/kg dry	2.03	72%	21 - 124	30	32	9070049	NSF2552-07	07/07/09 19:16

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 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												
9070049-MSD1												
Benzo (k) fluoranthene	ND	1.53	R	mg/kg dry	2.03	75%	14 - 140	56	39	9070049	NSF2552-07	07/07/09 19:16
Chrysene	ND	1.64		mg/kg dry	2.03	81%	28 - 123	30	34	9070049	NSF2552-07	07/07/09 19:16
Dibenz (a,h) anthracene	ND	1.59	R	mg/kg dry	2.03	78%	25 - 127	32	31	9070049	NSF2552-07	07/07/09 19:16
Fluoranthene	ND	1.68		mg/kg dry	2.03	83%	38 - 120	30	35	9070049	NSF2552-07	07/07/09 19:16
Fluorene	1.63	2.41	M2	mg/kg dry	2.03	39%	41 - 120	28	37	9070049	NSF2552-07	07/07/09 19:16
Indeno (1,2,3-cd) pyrene	ND	1.54		mg/kg dry	2.03	76%	25 - 123	32	32	9070049	NSF2552-07	07/07/09 19:16
Naphthalene	3.28	3.23	MHA	mg/kg dry	2.03	-2%	25 - 120	33	42	9070049	NSF2552-07	07/07/09 19:16
Phenanthrene	3.18	3.53	MHA	mg/kg dry	2.03	17%	37 - 120	31	32	9070049	NSF2552-07	07/07/09 19:16
Pyrene	0.265	1.79		mg/kg dry	2.03	75%	29 - 125	34	40	9070049	NSF2552-07	07/07/09 19:16
1-Methylnaphthalene	10.4	7.76	MHA	mg/kg dry	2.03	-131%	19 - 120	28	45	9070049	NSF2552-07	07/07/09 19:16
2-Methylnaphthalene	13.4	10.5	MHA	mg/kg dry	2.03	-143%	11 - 120	22	50	9070049	NSF2552-07	07/07/09 19:16
Surrogate: Terphenyl-d14		1.51		mg/kg dry	2.03	74%	18 - 120			9070049	NSF2552-07	07/07/09 19:16
Surrogate: 2-Fluorobiphenyl		1.27		mg/kg dry	2.03	62%	14 - 120			9070049	NSF2552-07	07/07/09 19:16
Surrogate: Nitrobenzene-d5		1.05		mg/kg dry	2.03	52%	17 - 120			9070049	NSF2552-07	07/07/09 19:16
9070221-MSD1												
Acenaphthene	ND	1.21		mg/kg dry	1.70	71%	42 - 120	6	40	9070221	NSG0085-09	07/08/09 02:01
Acenaphthylene	ND	1.31		mg/kg dry	1.70	77%	32 - 120	8	30	9070221	NSG0085-09	07/08/09 02:01
Anthracene	ND	1.39		mg/kg dry	1.70	82%	10 - 200	10	50	9070221	NSG0085-09	07/08/09 02:01
Benzo (a) anthracene	ND	1.39		mg/kg dry	1.70	82%	41 - 120	12	30	9070221	NSG0085-09	07/08/09 02:01
Benzo (a) pyrene	ND	1.36		mg/kg dry	1.70	80%	33 - 121	6	33	9070221	NSG0085-09	07/08/09 02:01
Benzo (b) fluoranthene	ND	1.30		mg/kg dry	1.70	76%	26 - 137	1	42	9070221	NSG0085-09	07/08/09 02:01
Benzo (g,h,i) perylene	ND	1.36		mg/kg dry	1.70	80%	21 - 124	5	32	9070221	NSG0085-09	07/08/09 02:01
Benzo (k) fluoranthene	ND	1.19		mg/kg dry	1.70	70%	14 - 140	8	39	9070221	NSG0085-09	07/08/09 02:01
Chrysene	ND	1.30		mg/kg dry	1.70	76%	28 - 123	7	34	9070221	NSG0085-09	07/08/09 02:01
Dibenz (a,h) anthracene	ND	1.40		mg/kg dry	1.70	82%	25 - 127	7	31	9070221	NSG0085-09	07/08/09 02:01
Fluoranthene	ND	1.33		mg/kg dry	1.70	78%	38 - 120	4	35	9070221	NSG0085-09	07/08/09 02:01
Fluorene	ND	1.29		mg/kg dry	1.70	76%	41 - 120	12	37	9070221	NSG0085-09	07/08/09 02:01
Indeno (1,2,3-cd) pyrene	ND	1.43		mg/kg dry	1.70	84%	25 - 123	10	32	9070221	NSG0085-09	07/08/09 02:01
Naphthalene	ND	1.13		mg/kg dry	1.70	66%	25 - 120	4	42	9070221	NSG0085-09	07/08/09 02:01
Phenanthrene	ND	1.27		mg/kg dry	1.70	75%	37 - 120	8	32	9070221	NSG0085-09	07/08/09 02:01
Pyrene	ND	1.35		mg/kg dry	1.70	79%	29 - 125	14	40	9070221	NSG0085-09	07/08/09 02:01
1-Methylnaphthalene	ND	1.06		mg/kg dry	1.70	62%	19 - 120	3	45	9070221	NSG0085-09	07/08/09 02:01
2-Methylnaphthalene	ND	1.16		mg/kg dry	1.70	68%	11 - 120	3	50	9070221	NSG0085-09	07/08/09 02:01
Surrogate: Terphenyl-d14		1.31		mg/kg dry	1.70	77%	18 - 120			9070221	NSG0085-09	07/08/09 02:01
Surrogate: 2-Fluorobiphenyl		1.21		mg/kg dry	1.70	71%	14 - 120			9070221	NSG0085-09	07/08/09 02:01
Surrogate: Nitrobenzene-d5		1.31		mg/kg dry	1.70	77%	17 - 120			9070221	NSG0085-09	07/08/09 02:01

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

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

TestAmerica
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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF2552
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/26/09 08:00

DATA QUALIFIERS AND DEFINITIONS

CF7	Result may be elevated due to carry over from previously analyzed sample.
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
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).
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
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

NSF2552
07/13/09 23:59

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Project Manager: Tom McElwee email: mcelwee@eeginc.net
Telephone Number: 843.412.2097 **Fax No.:** 843-879-0401
Sampler Name: (Print) Brad Shaw
Sampler Signature:

Site State: SC
PO#: 0329
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label) N_2SO_4 (2)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify) Methanol (3)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270C									RUSH TAT (Pre-Schedule)
1129 Iris	6/22/09	0945	5					2					2	1					X		3	2							NSF 2552-01		
1138 Iris	6/22/09	1355	5					2					2	1					X		3	2							02		
1137 Iris	6/23/09	1150	5					2					2	1					X		3	2							03		
1144 Iris-1	6/23/09	1530	5					2					2	1					X		3	2							04		
1144 Iris-2	6/24/09	0920	5					2					2	1					X		3	2							05		
1148 Iris-1	6/24/09	1145	5					2					2	1					X		3	2							06		
1148 Iris-2	6/24/09	1345	5					2					2	1					X		3	2							07		
1161 JASMINE	6/24/09	1350	5					2					2	1					X		3	2							08		
1162 JASMINE	6/25/09	0910	5					2					2	1					X		3	2							09		
1168 JASMINE	6/25/09	1115	5					2					2	1					X		3	2							10		

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	6/25/09	1900	Fedex	6/25/09	
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				6.26.09	0800

Laboratory Comments:
Temperature Upon Receipt: 3.7°c
VOCs Free of Headspace? Y

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

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

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

TANK ID & LOCATION

UST 1137Iris, 1137 Iris Lane, Laurel Bay Housing Area,
MCAS Beaufort, S.C.

DISPOSAL LOCATION

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

TYPE OF TANK	SIZE (GAL)
Steel	**280**

CLEANING/DISPOSAL METHOD

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

DISPOSAL CERTIFICATION

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

T.R. Lee , 7/22/09

(Name) (Date)

Underground Storage Tank Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, SC 29201
(This form may be used to comply with SC UST Regulation 280.72)

STATE USE ONLY

Date Received

UNDERGROUND STORAGE TANK (UST) ASSESSMENT REPORT

Is this a change in service? Yes ____ No__x__
(The change in storage to a non-regulated substance)

I. OWNERSHIP OF UST(S)

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

Post Office Box 55001
Mailing Address

Beaufort	**South Carolina**	**29904-50001**
City	State	Zip Code

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

II. SITE IDENTIFICATION AND LOCATION

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

438 Iris Lane (Formerly 1137 Iris Lane), Laurel Bay Military Housing Area
Street Address

Beaufort	**29906**	**Beaufort**
City	Zip Code	County

III. INSURANCE INFORMATION AND SUPERB FUNDING

Please complete the following 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.**

Pursuant to the State Underground Petroleum Environmental Response Bank (SUPERB) Act 44-2-130(E)(1): "An owner or operator of an underground storage tank or his agent seeking to qualify for compensation from the SUPERB account for site rehabilitation shall submit a written application to the Department." Please complete **DHEC Form 1300** regarding SUPERB compensation and the existence of an environmental insurance policy.

IV. 24 HOUR RELEASE REPORT

If free product is observed during closure activities, please submit **DHEC Form 1364** within 24 hours. Please note that this **DHEC Form 1364** should not be submitted for sampling analysis or other release designations. For the purpose of closure activities, this report form is solely for the observance of free product.

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

Date of Permanent Closure (Month/Day/Year): **12/10/2019**

Note: Answer each question as completely as possible. For those questions that are yes or no , please indicate Y or N in the box. For all other questions, please provide the specific information.

Requested Information	UST 1137-2	Iris Lane				
Product (Gas, Kerosene, etc.)	**Heating Oil**					
Capacity in gallons (1K, 2K etc)	**280 gallon**					
Approximate age in years	**Late 1950s**					
Construction material (Steel, Fiberglass, etc)	**Steel**					
Month/Year of last use	**Mid 1980s**					
Depth in feet to the base of the tank	**4**					
Spill prevention present (Y or N)	**N**					
Overfill prevention present (Y or N)	**N**					
Tanks removed (Y or N)	**Y**					
Tanks filled in place (Y or N) If yes, indicate fill material in the box	**Tank Previously Filled with Sand**					
Visible Corrosion or Pitting (Y or N)	**Y**					
Visible Holes (Y or N)	**Y**					

1. Indicate the method of disposal for any USTs removed from the ground (Do not forget to attach the disposal manifests): **Filled tank was removed in tact, wrapped in plastic, and disposed of at Waste Management Hickory Hill Landfill.**

See Attachment A.

2. Indicate the method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (Do not forget to attach the disposal manifests): **None Present as the tank was filled with sand. Sand was shipped with tank in tact.**

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

Tank shell showed moderate signs of corrosion. One large hole was found in the area of the fill port which appeared to have been created and utilized to fill the tank in place previously. A few small holes, less than 2 inches, and pitting was noticed along the tank shell near the tank heads.

VII. PIPING INFORMATION

Date of Permanent Closure (Month/Day/Year): 12/10/2019

Note: Answer each question as completely as possible. For those questions that are yes or no , please indicate Y or N in the box. For all other questions, please provide the specific information.

Requested Information	UST 1137-2					
Approximate age in years	Late 1950s					
Construction material (Steel, Fiberglass, etc)	Copper					
Distance in feet from UST to Dispenser(s)	Tank lines previously removed					
Number of Dispensers	None					
Type of System (Pressure or Suction)	Suction					
Was piping removed from the ground (Y or N)	None Present					
If piping was not removed were both ends of the piping capped off (Y or N)	N/A					
Visible Corrosion or Pitting (Y or N)	N/A					
Visible Holes (Y or N)	N/A					

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

Tank had previously been exposed, opened, and filled with sand. Tank lines encountered were copper and coiled on the open end of the tank with no connectivity.

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. The tank was located in the rear of the single family residence near the eastern facing wall of the house and the southern facing wall of the garage space. The nearest surface draining ditch is approximately 230 feet to the Northwest and the nearest water body is approximately 500 feet from the former tank location.

IX. SITE CONDITIONS

Note: Answer each question as completely as possible. For those questions that are yes or no , please check Y or N. If the information is unknown or cannot be obtained, check unknown. For all other questions, please provide the specific information.

Requested Information	Yes	No	Unk
Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? ***Note:*** If yes, indicate depth and location on the site map.	X little		
Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? ***Note:*** If yes, indicate location and describe the odor (strong, mild, etc.) on the site map.	X mild		
Was water present in the UST excavation, soil borings, or trenches? ***Note:*** If yes, how far below land surface (indicate location and depth on the site map)?		X See note: 1	
Did contaminated soils remain stockpiled on site after closure? ***Note***: If yes, indicate the stockpile location on the site map. ***Note:*** If yes, Indicate the name of DHEC representative that authorized the soil removal: _____		X	
Was a petroleum sheen or free product detected on any excavation or boring waters? ***Note:*** If yes, indicate location and thickness on the site map.		X	

Note 1: The floor of the tank excavation was located in a very saturated zone, but free water was not present.

X. SAMPLE INFORMATION

SCDHEC Lab Certification Number 32010001
Date that samples were taken: 12/10/2019

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
BEALB1137SB02	1137-2	Soil	Sand	2'6"	12/10/19 0925	Reibling	
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 SCDHEC 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 the west sidewall of the tank. The samples were marked, logged, and immediately placed in a sample cooler packed with ice to maintain an appropriate temperature of 4 degrees Celsius. Tools were thoroughly cleaned and decontaminated with the seven step decon process after each use. The samples remained in custody of AECOM until they were transferred to Shealy Environmental Laboratory for analysis as documented in the Chain of Custody Record.

XII. RECEPTORS

Note: Answer each question as completely as possible. For those questions that are yes or no , please check Y or N. If the information is unknown or cannot be obtained, check unknown. For all other questions, please provide the specific information.

Requested Information	Yes	No	Unk
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. **Stormwater drainage canal ~230'**	x		
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	
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	
Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? If yes, indicate the type of utility, distance, and direction on the site map. **Sewer, water, electricity, cable, and fiber optic**	x		
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 <u>scaled</u> 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)

FIGURE 1: UST REMOVAL SITE MAP
438 IRIS LANE (FORMERLY 1137 IRIS LN)
LAUREL BAY HOUSING AREA
MCAS BEAUFORT, SC

Legend

DRAINAGE

HOUSE LOCATION

0' 1000'

envirosmart
P.O. BOX 20666
CHARLESTON, SC 29413
843.722.0062

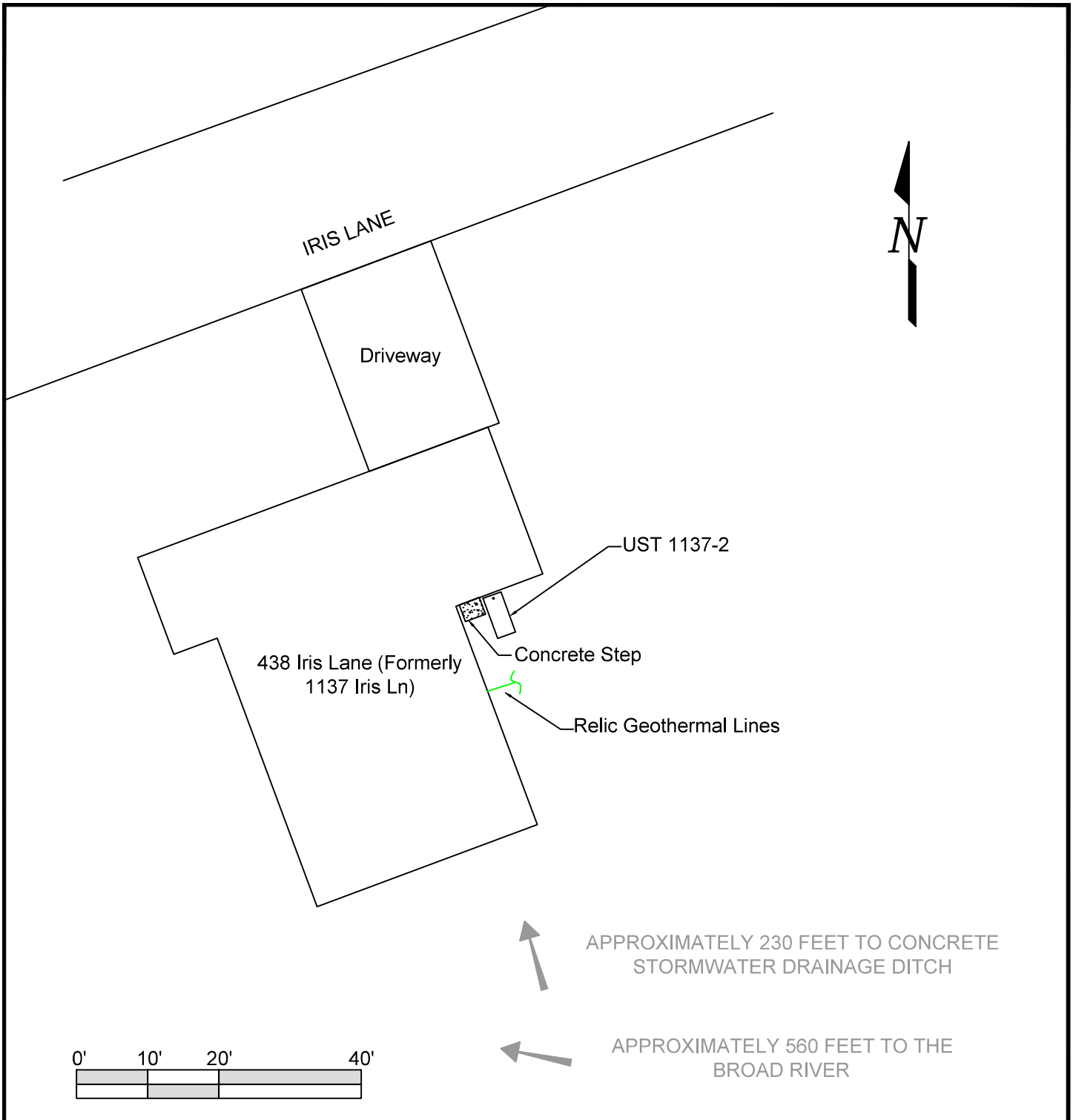

FIGURE 2: UST REMOVAL SITE MAP
438 IRIS LANE (FORMERLY 1137 IRIS LN)
LAUREL BAY HOUSING AREA
MCAS BEAUFORT, SC

envirosmart
P.O. BOX 20666
CHARLESTON, SC 29413
843.722.0062

Drawing Date: 01/03/2020

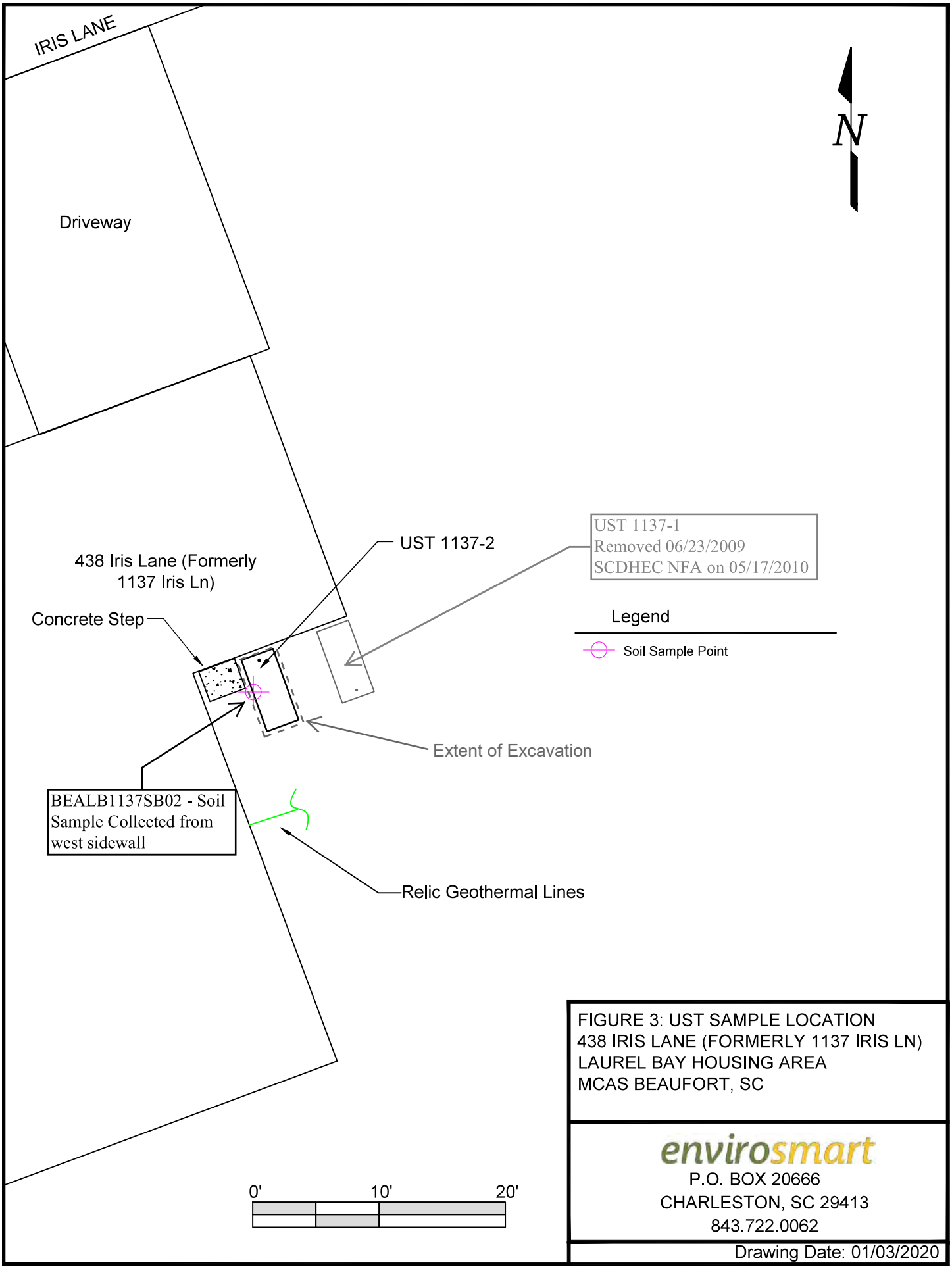

FIGURE 3: UST SAMPLE LOCATION
438 IRIS LANE (FORMERLY 1137 IRIS LN)
LAUREL BAY HOUSING AREA
MCAS BEAUFORT, SC

envirosmart
P.O. BOX 20666
CHARLESTON, SC 29413
843.722.0062

Drawing Date: 01/03/2020

Photo 1: Tank Site Location

Photo 2: Tank Removed

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	BEALB1137SB02SO 20191210						
Benzene	<4.3						
Toluene	<4.3						
Ethylbenzene	<4.3						
Xylenes	<8.8						
Naphthalene	<4.3						
Benzo(a)anthracene	<22						
Benzo(b)fluoranthene	<22						
Benzo(k)fluoranthene	<17						
Chrysene	8.2						
Dibenz(a,h)anthracene	<22						
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 (ug/l)	W-1	W-2	W-3	W-4	W-5
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)

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

AECOM
4016 Salt Pointe Parkway
North Charleston, SC 29405
Attention: Shawn Dolan

Project Name: 18F7033 - LBMH, MCAS Beaufort, SC

Project Number: 60586174.5

Lot Number:**UL12090**

Date Completed:12/24/2019

N. Saikaly

01/03/2020 3:44 PM
Approved and released by:
Project Manager: Nisreen Saikaly

The electronic signature above is the equivalent of a handwritten signature.

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

Case Narrative
AECOM
Lot Number: UL12090

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), applicable Shealy standard operating procedures (SOPs), the 2003 NELAC standard, and Shealy policies. Additionally, the DoD QSM version 5.3 has been followed for these samples. Any exceptions to the QAMP, SOPs, NELAC standards, the DoD QSM, or policies are qualified on the results page or discussed below.

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

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Semivolatile Organic Compounds

The following sample was diluted due to the nature of the sample matrix: UL12090-001. The LOQ has been elevated to reflect the dilution.

Sample Summary

AECOM

Lot Number: UL12090

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	BEALB1137SB02SO20191210	Solid	12/10/2019 0925	12/12/2019

(1 sample)

Detection Summary

AECOM

Lot Number: UL12090

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	BEALB1137SB02SO20191210	Solid	Chrysene	8270E	8.2	J	ug/kg	6

(1 detection)

Volatile Organic Compounds by GC/MS

Client: AECOM
Description: BEALB1137SB02SO20191210
Date Sampled: 12/10/2019 0925
Date Received: 12/12/2019

Laboratory ID: UL12090-001
Matrix: Solid
% Solids: 85.5 12/13/2019 0014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260D	1	12/20/2019 0025	ALR1		39615

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260D	4.3	U	5.4	4.3	2.2	ug/kg	1
Ethylbenzene	100-41-4	8260D	4.3	U	5.4	4.3	2.2	ug/kg	1
Naphthalene	91-20-3	8260D	4.3	U	5.4	4.3	2.2	ug/kg	1
Toluene	108-88-3	8260D	4.3	U	5.4	4.3	2.2	ug/kg	1
Xylenes (total)	1330-20-7	8260D	8.8	U	11	8.8	4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	79-119
Dibromofluoromethane		108	78-119
1,2-Dichloroethane-d4		104	71-136
Toluene-d8		113	85-116

LOQ = Limit of Quantitation
U = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
LOD = Limit of Detection
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Shealy Environmental Services, Inc.
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Semivolatile Organic Compounds by GC/MS

Client: AECOM
Description: BEALB1137SB02SO20191210
Date Sampled: 12/10/2019 0925
Date Received: 12/12/2019

Laboratory ID: UL12090-001
Matrix: Solid
% Solids: 85.5 12/13/2019 0014

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	10	12/14/2019 1813	JCG	12/13/2019 2130	39001

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270E	22	U	30	22	6.6	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	22	U	30	22	5.6	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	17	U	30	17	5.4	ug/kg	1
Chrysene	218-01-9	8270E	8.2	J	30	17	5.0	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	22	U	30	22	5.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		62	44-115
Nitrobenzene-d5		53	37-122
Terphenyl-d14		76	54-127

LOQ = Limit of Quantitation
U = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
LOD = Limit of Detection
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ39615-001
Batch: 39615
Analytical Method: 8260D

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	LOQ	LOD	DL	Units	Analysis Date
Benzene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Ethylbenzene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Naphthalene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Toluene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Xylenes (total)	8.0	U	1	10	8.0	4.0	ug/kg	12/19/2019 2211

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	79-119
Dibromofluoromethane		106	78-119
1,2-Dichloroethane-d4		105	71-136
Toluene-d8		113	85-116

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ39615-002
Batch: 39615
Analytical Method: 8260D

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	50	52		1	104	77-121	12/19/2019 2020
Ethylbenzene	50	54		1	108	76-122	12/19/2019 2020
Naphthalene	50	49		1	98	62-129	12/19/2019 2020
Toluene	50	53		1	105	77-121	12/19/2019 2020
Xylenes (total)	100	110		1	107	78-124	12/19/2019 2020

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	79-119
Dibromofluoromethane		104	78-119
1,2-Dichloroethane-d4		104	71-136
Toluene-d8		108	85-116

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - MB

Sample ID: UQ39001-001
Batch: 39001
Analytical Method: 8270E

Matrix: Solid
Prep Method: 3546
Prep Date: 12/13/2019 2130

Parameter	Result	Q	Dil	LOQ	LOD	DL	Units	Analysis Date
Benzo(a)anthracene	2.0	U	1	2.7	2.0	0.59	ug/kg	12/14/2019 1527
Benzo(b)fluoranthene	2.0	U	1	2.7	2.0	0.50	ug/kg	12/14/2019 1527
Benzo(k)fluoranthene	1.5	U	1	2.7	1.5	0.48	ug/kg	12/14/2019 1527
Chrysene	1.5	U	1	2.7	1.5	0.45	ug/kg	12/14/2019 1527
Dibenzo(a,h)anthracene	2.0	U	1	2.7	2.0	0.51	ug/kg	12/14/2019 1527

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		53	44-115
Nitrobenzene-d5		57	37-122
Terphenyl-d14		73	54-127

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
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Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: UQ39001-002
Batch: 39001
Analytical Method: 8270E

Matrix: Solid
Prep Method: 3546
Prep Date: 12/13/2019 2130

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzo(a)anthracene	130	95		1	71	49-126	12/14/2019 1551
Benzo(b)fluoranthene	130	97		1	73	45-132	12/14/2019 1551
Benzo(k)fluoranthene	130	100		1	78	47-132	12/14/2019 1551
Chrysene	130	90		1	67	50-124	12/14/2019 1551
Dibenzo(a,h)anthracene	130	97		1	73	45-134	12/14/2019 1551

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		60	44-115
Nitrobenzene-d5		59	37-122
Terphenyl-d14		79	54-127

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
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Chain of Custody
and
Miscellaneous Documents

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number

Client: NAVFAC Mid-Atlantic	Report to Contact: Doria Cullom/ Shawn Dolan	Telephone No. / Fax No. / Email: (864)234-8928/ Doria.Cullom@aecom.com	Quote No.
Address: 4015 Salt Pointe Parkway	Sampler's Signature: x	Waybill No. 8149 8398 1556	Page 1 of 1
City: N. Charleston / State: SC / Zip Code: 29405	Printed Name: Brian Rebling		
Project Name: 18H7033 - LBMH, MCAS Beaufort, SC			
Project Number: 60588174.5	P.O Number: Non-PO Micro Purchase		

Analysis (Attach list if more space is needed)

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aq	Other	No. of Containers by Preservation Type: Unpres	H2SO4	HNO3	HCl	NaOH	5035 kit	BTEX & Naphthalene (8260b)	Select PAHs (8270D)											NMS
BEALB U375B02502019121O	12/10	0925	G		X			2					4	X	X											

UL12090

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant
☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☒ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made

Turn Around Time Required (Prior lab approval required for expedited TAT)
☒ Standard ☐ Rush (Please Specify)

QC Requirements (Please Specify)

	Date	Time		Date	Time
1. Relinquished by	12/11/19	1745	1. Received by FedEx	12/11/19	1800
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by FedEx	12/12/19	1245	3. Laboratory Received by	12/12/19	1245

Comments: Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Dibenzo(a,h)anth

LAB USE ONLY
Received on Ice (Check) ☒ Y ☐ N ☐ Ice Pack
Receipt Temp. 4.3 °C

Document Number: F-AD-104 Effective Date 08-10-10

Shealy Environmental Services, Inc.
Document Number: ME8018C-14

Page 1 of 1
Effective Date: 8/2/2018

Sample Receipt Checklist (SRC)

Client: AECOM Cooler Inspected by/date: DMN / 12/12/19 Lot #: UL12090

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Other: _____

☑ Yes	☐ No		1. Were custody seals present on the cooler?
☑ Yes	☐ No	☐ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: 19-2044

4.3 / 4.3 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☑ Yes	☐ No	☐ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes	☑ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☐ No	☑ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH3/TKN/cyanide/phenol/625 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
☑ Yes	☐ No		21. Was the quote number listed on the container label? If yes, Quote # 21972

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H_2SO_4, HNO_3, HCl, NaOH using SR # NA

Time of preservation NA . If more than one preservative is needed, please note in the comments below.

Sample(s) NA _____ were received with bubbles >6 mm in diameter.

Samples(s) NA _____ were received with TRC > 0.5 mg/L (If #19 is ***no***) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA .

SR barcode labels applied by: JSH Date: 12/12/19

Comments:

ATTACHMENT A

Waste Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number:

2. Page 1 of: 1

3. Emergency Response Phone:

4. Waste Tracking Number:

GENERATOR

5. Generator's Name and Mailing Address: MCAS Beaufort
Laurel Bay Housing
Beaufort, SC 29904

Generator's Site Address (if different than mailing address):

Generator's Phone: 843.288.6461

6. Transporter 1 Company Name: Enviro Smart Inc.

U.S. EPA ID Number:

7. Transporter 2 Company Name:

U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WM Hickory Hill Landfill
2621 Low Country Drive
Ridgeland, SC 29936

~~U.S. EPA ID~~ Number: State 272401-1101

Facility's Phone: 843.548.6004

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Heating oil tanks filled with sand	1	DT	Est. 5	T	2.48 Ton
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WM Profile: 1026555C
Beaufort County

Bill to: Enviro Smart Inc.
PO Box 20666
Charleston, SC 29413
MAS# 210-678

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Corey Jackson

Signature:

Month: 12 Day: 16 Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ryan Galloway

Signature:

Month: 12 Day: 16 Year: 19

Transporter 2 Printed/Typed Name:

Signature:

Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: JoAnn Cofield

Signature: JoAnn Cofield

Month: 12 Day: 16 Year: 19

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. Manifest Doc No.

2. Page 1 of 1

3. Generator's Mailing Address:
MCAS BEAUFORT
LAUREL BAY HOUSING
BEAUFORT, SC 29904
4. Generator's Phone 843-228-6461

Generator's Site Address (If different than mailing):

A. Manifest Number 2019121701

B. State Generator's ID

5. Transporter 1 Company Name
Envirosmart Inc.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
2621 LOW COUNTRY DRIVE
RIDGELAND, SC 29936

10. US EPA ID Number

G. State Facility ID 272401-1101

H. State Facility Phone 843-548-6004

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a HEATING OIL TANKS FILLED WITH SAND	1	DT	Est 2	T	
WM Profile # 102655SC	1	RT/TF	1.44	TON	
b.					
WM Profile #					
c.					
WM Profile #					
d.					
WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

Cell | Level

Grid

15. Special Handling Instructions and Additional Information
BEAUFORT COUNTY

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
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 Name	Signature "On behalf of"	Month	Day	Year
Corey Jackson		12	17	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Ryan Galloway		12	17	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

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 Name	Signature	Month	Day	Year
JoAnn Coffield		12	17	19

Appendix C
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

Bureau of Land and Waste Management
Division of Waste Management

May 17, 2010

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

RE: No Further Action
Laurel Bay Underground Storage Tank Assessment Report for:

- 1137 Iris Lane
- 1114 Iris Lane
- 1211 Cardinal Lane
- 1176 Bobwhite Drive
- 1214 Cardinal Lane
- 1348 Cardinal Lane

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the additional requested information for the above referenced Underground Storage Tanks (USTs) Assessment Reports on May 11, 2010.

The Department has reviewed the referenced assessment report along with the additional information submitted and agrees there is no indication of soil or groundwater contamination on this property, and therefore no further investigation is required at this time.

Please note that the Department's decision is based on information provided by the Marine Corp 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 picketcn@dhec.sc.gov or 803-896-4131.

Sincerely,

Christi Pickett
Corrective Action Engineering Section
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

cc: Laurel Rhoten (via email)
Craig Ehde (via email)

March 19, 2020

Commanding Officer
Attention: NREAO Mr. Christopher L. Vaigneur
United States Marine Corps Air Station (MCAS)
Post Office Box 55001
Beaufort, SC 29904-5001

RE: Draft Final UST Removal Completion Report dated December 2019
Laurel Bay Military Housing Area

Dear Mr. Vaigneur,

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced report on February 10, 2020. 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). DHEC has reviewed the report. Based on this review, DHEC concurs with the following recommendations:

1. An NFA for both 138 West Laurel Bay Blvd (Tank 1) and 1137 Iris Lane (Tank 2) locations.
2. An IGWA for the 316 Ash Street (Tank 2) location since submitted analytical results indicate that petroleum constituents are above established Risk Based Screening Levels. DHEC requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at this tank location.

No change to this document is necessary and DHEC considers this report to be final.

Please note that DHEC's decision is based on information provided by 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 Kent Krieg at kriegkm@dhec.sc.gov or 803-898-0255.

Sincerely,

Lisa Appel, Project Manager
RCRA Federal Facilities Section
Division of Waste Management

cc: Bryan Beck, NAVFAC MIDLANT (via email)
Craig Ehde, NREAO (via email)
Shawn Dolan, Resolution Consultants (via email)
Reahnita Tuten, EQC Region 8 (via email)