SUMMARY REPORT
FORMER 399 ACORN DRIVE (CURRENT EMPTY LOT)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 2021

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Prepared by:

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

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

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List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for former 399 Acorn Drive. This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

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

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

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

1.2 UST Removal and Assessment Process

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

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

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

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

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

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for former 399 Acorn Drive. Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 399 Acorn Drive* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

On May 4, 2009, two 280 gallon heating oil USTs were removed at former 399 Acorn Drive. Tank 1 was removed from the grassed area 22’5” east of the curb of Acorn Drive and 30’10” from a Grand Oak Tree on the currently empty lot. Tank 2 was removed from the grassed area adjacent to Tank 1, 26’9” from the curb of Acorn Drive and 31’7” from the Grand Oak Tree. The

former UST locations are indicated in Figures 2 and 3 of the UST Assessment Report (Appendix B). The USTs were removed, cleaned, and shipped offsite for recycling. There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depths to the bases of the USTs were 5'5" (Tank 1) and 4'5" (Tank 2) bgs and a single soil sample was collected for each at that depth. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of each excavation and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment guidelines.

2.2 Soil Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 1. A copy of the laboratory analytical data report is included in the UST Assessment Report presented in Appendix B. The laboratory analytical data report includes the soil results for the additional PAHs that were analyzed, but do not have associated RBSLs.

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST 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 former 399 Acorn Drive were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated July 22, 2009, SCDHEC requested an IGWA be conducted at the former UST locations (Tanks 1 and 2) at former 399 Acorn Drive to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On July 16, 2013, a temporary monitoring well was installed at former 399 Acorn Drive, in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil USTs (i.e., in between Tanks 1 and 2 due to small spacing).

The former UST locations are indicated in Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015).

2.4 Groundwater Analytical Results

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

The groundwater results collected from former 399 Acorn Drive were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for former 399 Acorn Drive. This NFA determination was obtained in a letter dated August 6, 2015. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 399 Acorn Drive, Laurel Bay Military Housing Area*, June 2009.

Resolution Consultants, 2015. *Initial Groundwater Investigation Report – July 2013 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, June 2015.

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

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

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

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

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

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

Tables

Table 1
Laboratory Analytical Results - Soil
Empty Lot (Formerly 399 Acorn Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 05/04/09	
		399 Acorn-1	399 Acorn-2
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	**0.00342**	**0.00299**
Naphthalene	0.036	**0.193**	**0.140**
Toluene	0.627	ND	ND
Xylenes, Total	13.01	**0.00636**	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	**0.334**	**0.121**
Benzo(b)fluoranthene	0.66	**0.151**	ND
Benzo(k)fluoranthene	0.66	**0.139**	ND
Chrysene	0.66	**0.216**	**0.101**
Dibenz(a,h)anthracene	0.66	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 1.1 (SCDHEC, May 2001 and SCDHEC, February 2011) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
Empty Lot (Formerly 399 Acorn Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs (µg/L)[2]	Results Sample Collected 07/17/13
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	**0.13**
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	**11**
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

[2] Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of $1x10^{-6}$, a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

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

RBSL - Risk-Based Screening Level

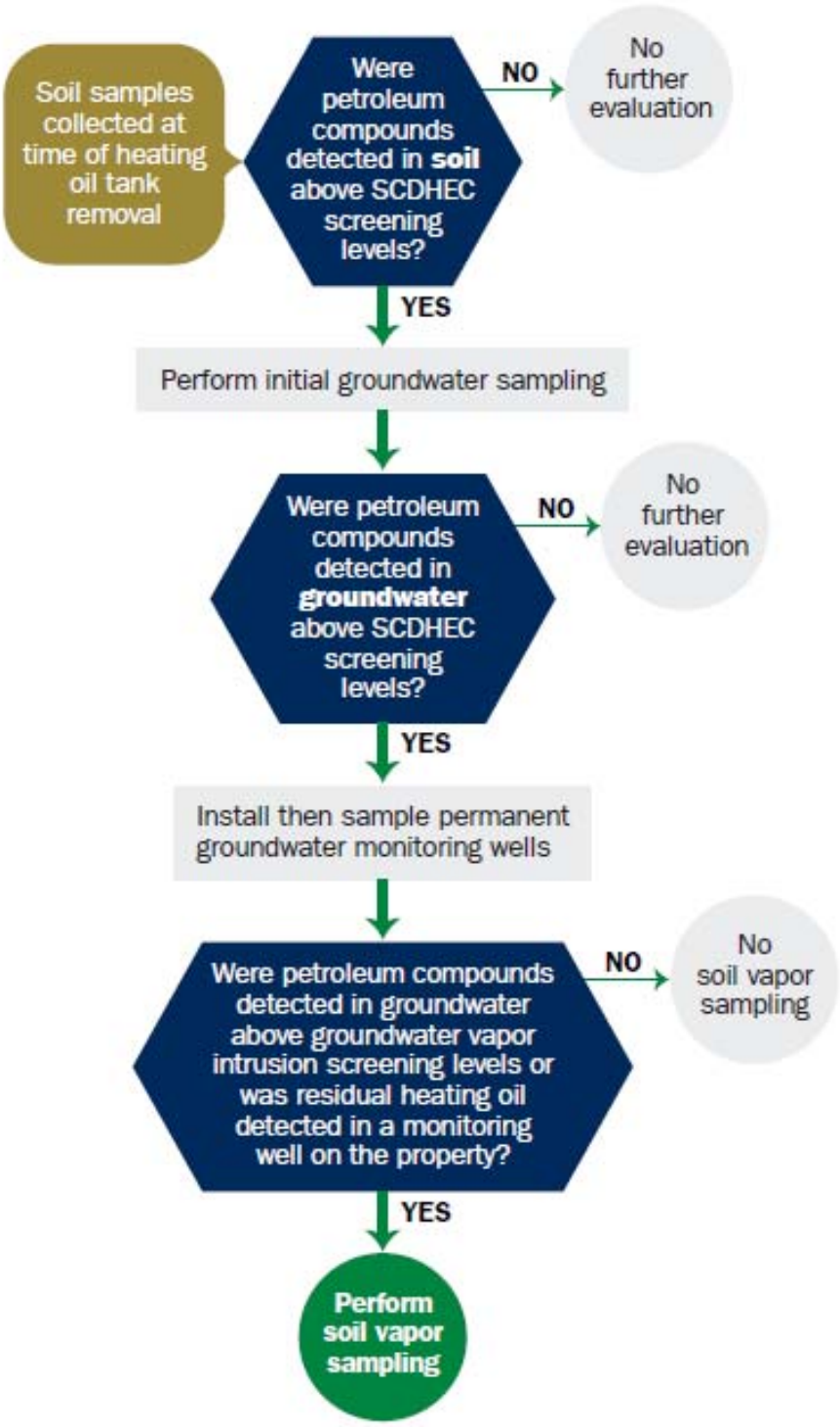
SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

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

04229

RECEIVED
JUN 29 2009
SITE ASSESSMENT, REMEDIATION & REVITALIZATION

I. OWNERSHIP OF UST (S)

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

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #	
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC	
Facility Name or Company Site Identifier	
399 Acorn Dr., 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).....	399 Acorn-1		399 Acorn-2
B.	Capacity..(ex. 1k, 2k).....	Heating Oil		Heating Oil
C.	Age.....	280 gal		280 gal
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s		Late 1950s
E.	Month/Year of Last Use.....	Steel		Steel
F.	Depth (ft.) To Base of Tank.....	Mid 1980s		Mid 1980s
G.	Spill Prevention Equipment Y/N.....	5'5"		4'5"
H.	Overfill Prevention Equipment Y/N.....	No		No
I.	Method of Closure Removed/Filled.....	No		No
J.	Date Tanks Removed/Filled.....	Removed		Removed
K.	Visible Corrosion or Pitting Y/N.....	5/4/09		5/4/09
L.	Visible Holes Y/N.....	Yes		Yes
		Yes		Yes

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 399Acorn-1 was removed from the ground, cleaned and recycled.

UST 399Acorn-2 was removed from the ground, and disposed of at a Subtitle D landfill. See Attachment "A."

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
UST 399Acorn-1 was empty. UST 399Acorn-2 was filled with sand.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found on the entire surface of both tanks.

VII. PIPING INFORMATION

		399Acorn-1		399Acorn-2	
A.	Construction Material..(ex. Steel, FRP).....	Steel & Copper		Steel & Copper	
B.	Distance from UST to Dispenser.....	N/A		N/A	
C.	Number of Dispensers.....	N/A		N/A	
D.	Type of System Pressure or Suction.....	Suction		Suction	
E.	Was Piping Removed from the Ground? Y/N	Yes		Yes*	
F.	Visible Corrosion or Pitting Y/N.....	Yes		Unknown	
G.	Visible Holes Y/N.....	No		Unknown	
H.	Age.....	Late 1950s		Late 1950s	

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

UST 399Acorn-1's steel vent piping was corroded and pitted. The copper supply & return piping was sound.

*UST 399Acorn-2's piping was removed previously by others.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		X	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? *Mild odor came from tank excavations 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 #
399	Acorn-1	Excav at fill end	Soil	Sandy clay	5'5"	5/4/09 1100 hrs	P. Shaw	
399	Acorn-2	Excav at fill end	Soil	Sandy clay	4'5"	5/4/09 1235 hrs	P. Shaw	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

XII. RECEPTORS

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

XIII. SITE MAP

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

(Attach Site Map Here)

399 ACORN DR.

Note: 399 Acorn Dr. is a vacant lot.

0 175 350 700 1,050 1,400

Feet

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

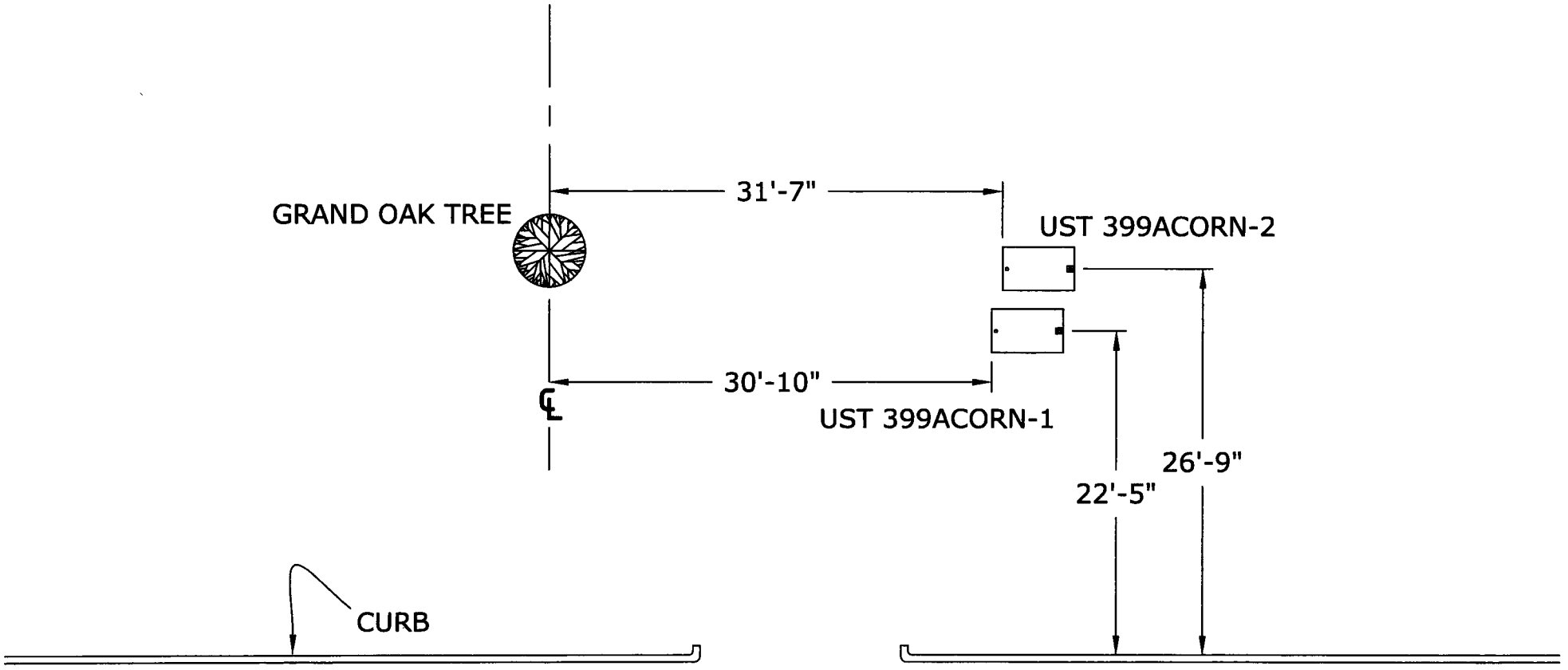
Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: May 2009

FIGURE 1: LOCATION MAP
399 ACORN DR., LAUREL BAY
MCAS BEAUFORT SC

399 ACORN DR. (AN EMPTY LOT)
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



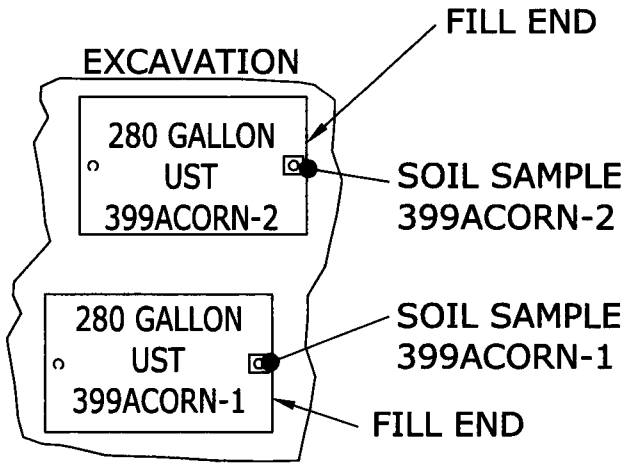
GRAPHIC SCALE
0 5' 10' 20'

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

FIGURE 2 SITE MAP
399 ACORN DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE MAY 2009

399 ACORN DR. (AN EMPTY LOT)
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



TO
GRAND OAK TREE

TO ACORN DR.

GRASS

UST 399ACORN-1 WAS
29" BELOW GRADE.

UST 399ACORN-2 WAS
17" BELOW GRADE.

GRAPHIC SCALE
0 5'

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

FIGURE 3 UST SAMPLE LOCATIONS
399 ACORN DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE MAY 2009

Picture 1: The two USTs from 399 Acorn Drive were located here.

Picture 2: UST 399Acorn-1 being removed from excavation.

Picture 3: UST 399Acorn-2 being removed from excavation.

XIV. SUMMARY OF ANALYSIS RESULTS

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

CoC	399 Acorn-1		399 Acorn-2			
Benzene	ND		ND			
Toluene	ND		ND			
Ethylbenzene	0.00342 mg/kg		0.00299 mg/kg			
Xylenes	0.00636 mg/kg		ND			
Naphthalene	0.193 mg/kg		0.140 mg/kg			
Benzo (a) anthracene	0.334 mg/kg		0.121 mg/kg			
Benzo (b) fluoranthene	0.151 mg/kg		ND			
Benzo (k) fluoranthene	0.139 mg/kg		ND			
Chrysene	0.216 mg/kg		0.101 mg/kg			
Dibenz (a, h) anthracene	ND		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)

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May 20, 2009 5:42:02PM

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 05/08/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
399 Acorn-1	NSE0648-01	05/04/09 11:00
399 Acorn-2	NSE0648-02	05/04/09 12:35
395 Acorn-1	NSE0648-03	05/05/09 11:20
395 Acorn-2	NSE0648-04	05/05/09 13:00
395 Acorn-3	NSE0648-05	05/05/09 13:50
395 Acorn-4	NSE0648-06	05/06/09 11:00
1000 Bobwhite	NSE0648-07	05/07/09 10:00
1003 Bobwhite	NSE0648-08	05/07/09 14:15

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.

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

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

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-01 (399 Acorn-1 - Soil) Sampled: 05/04/09 11:00								
General Chemistry Parameters								
% Dry Solids	**80.3**		%	0.500	1	05/20/09 08:41	SW-846	9052520
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00209	1	05/14/09 16:30	SW846 8260B	9051282
Ethylbenzene	**0.00342**		mg/kg dry	0.00209	1	05/14/09 16:30	SW846 8260B	9051282
Naphthalene	**0.193**		mg/kg dry	0.00523	1	05/14/09 16:30	SW846 8260B	9051282
Toluene	ND		mg/kg dry	0.00209	1	05/14/09 16:30	SW846 8260B	9051282
Xylenes, total	**0.00636**		mg/kg dry	0.00523	1	05/14/09 16:30	SW846 8260B	9051282
Surr: 1,2-Dichloroethane-d4 (41-150%)	*96 %*					*05/14/09 16:30*	*SW846 8260B*	*9051282*
Surr: Dibromofluoromethane (55-139%)	*97 %*					*05/14/09 16:30*	*SW846 8260B*	*9051282*
Surr: Toluene-d8 (57-148%)	*120 %*					*05/14/09 16:30*	*SW846 8260B*	*9051282*
Surr: 4-Bromofluorobenzene (58-150%)	*158 %*	*ZX*				*05/14/09 16:30*	*SW846 8260B*	*9051282*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**0.176**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Acenaphthylene	ND		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Anthracene	**0.240**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Benzo (a) anthracene	**0.334**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Benzo (a) pyrene	**0.127**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Benzo (b) fluoranthene	**0.151**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Benzo (k) fluoranthene	**0.139**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Chrysene	**0.216**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Fluoranthene	**1.53**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Fluorene	**0.314**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Naphthalene	ND		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Phenanthrene	**1.80**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Pyrene	**0.989**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
1-Methylnaphthalene	**0.287**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
2-Methylnaphthalene	**0.360**		mg/kg dry	0.0827	1	05/16/09 15:47	SW846 8270D	9051947
Surr: Terphenyl-d14 (26-128%)	*70 %*					*05/16/09 15:47*	*SW846 8270D*	*9051947*
Surr: 2-Fluorobiphenyl (19-109%)	*59 %*					*05/16/09 15:47*	*SW846 8270D*	*9051947*
Surr: Nitrobenzene-d5 (22-104%)	*62 %*					*05/16/09 15:47*	*SW846 8270D*	*9051947*

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Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-02 (399 Acorn-2 - Soil) Sampled: 05/04/09 12:35								
General Chemistry Parameters								
% Dry Solids	**81.2**		%	0.500	1	05/19/09 08:24	SW-846	9052519
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00203	1	05/14/09 16:59	SW846 8260B	9051282
Ethylbenzene	**0.00299**		mg/kg dry	0.00203	1	05/14/09 16:59	SW846 8260B	9051282
Naphthalene	**0.140**		mg/kg dry	0.00508	1	05/14/09 16:59	SW846 8260B	9051282
Toluene	ND		mg/kg dry	0.00203	1	05/14/09 16:59	SW846 8260B	9051282
Xylenes, total	ND		mg/kg dry	0.00508	1	05/14/09 16:59	SW846 8260B	9051282
Surr: 1,2-Dichloroethane-d4 (41-150%)	*93 %*					*05/14/09 16:59*	*SW846 8260B*	*9051282*
Surr: Dibromofluoromethane (55-139%)	*92 %*					*05/14/09 16:59*	*SW846 8260B*	*9051282*
Surr: Toluene-d8 (57-148%)	*114 %*					*05/14/09 16:59*	*SW846 8260B*	*9051282*
Surr: 4-Bromofluorobenzene (58-150%)	*116 %*					*05/14/09 16:59*	*SW846 8260B*	*9051282*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Acenaphthylene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Anthracene	**0.111**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Benzo (a) anthracene	**0.121**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Benzo (a) pyrene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Benzo (b) fluoranthene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Benzo (k) fluoranthene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Chrysene	**0.101**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Fluoranthene	**0.503**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Fluorene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Naphthalene	**0.0865**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Phenanthrene	**0.895**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Pyrene	**0.364**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
1-Methylnaphthalene	**1.00**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
2-Methylnaphthalene	**1.43**		mg/kg dry	0.0820	1	05/16/09 16:09	SW846 8270D	9051947
Surr: Terphenyl-d14 (26-128%)	*74 %*					*05/16/09 16:09*	*SW846 8270D*	*9051947*
Surr: 2-Fluorobiphenyl (19-109%)	*71 %*					*05/16/09 16:09*	*SW846 8270D*	*9051947*
Surr: Nitrobenzene-d5 (22-104%)	*72 %*					*05/16/09 16:09*	*SW846 8270D*	*9051947*

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Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-03 (395 Acorn-1 - Soil) Sampled: 05/05/09 11:20								
General Chemistry Parameters								
% Dry Solids	**76.1**		%	0.500	1	05/19/09 08:24	SW-846	9052519
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00233	1	05/14/09 17:29	SW846 8260B	9051282
Ethylbenzene	**0.290**		mg/kg dry	0.104	50	05/16/09 06:26	SW846 8260B	9052383
Naphthalene	**2.74**		mg/kg dry	0.259	50	05/16/09 06:26	SW846 8260B	9052383
Toluene	ND		mg/kg dry	0.00233	1	05/14/09 17:29	SW846 8260B	9051282
Xylenes, total	ND		mg/kg dry	0.00584	1	05/14/09 17:29	SW846 8260B	9051282
Surr: 1,2-Dichloroethane-d4 (41-150%)	*89 %*					*05/14/09 17:29*	*SW846 8260B*	*9051282*
Surr: 1,2-Dichloroethane-d4 (41-150%)	*97 %*					*05/16/09 06:26*	*SW846 8260B*	*9052383*
Surr: Dibromofluoromethane (55-139%)	*94 %*					*05/14/09 17:29*	*SW846 8260B*	*9051282*
Surr: Dibromofluoromethane (55-139%)	*91 %*					*05/16/09 06:26*	*SW846 8260B*	*9052383*
Surr: Toluene-d8 (57-148%)	*147 %*					*05/14/09 17:29*	*SW846 8260B*	*9051282*
Surr: Toluene-d8 (57-148%)	*102 %*					*05/16/09 06:26*	*SW846 8260B*	*9052383*
Surr: 4-Bromofluorobenzene (58-150%)	*100 %*					*05/14/09 17:29*	*SW846 8260B*	*9051282*
Surr: 4-Bromofluorobenzene (58-150%)	*111 %*					*05/16/09 06:26*	*SW846 8260B*	*9052383*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Acenaphthylene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Anthracene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Benzo (a) anthracene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Benzo (a) pyrene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Benzo (b) fluoranthene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Benzo (k) fluoranthene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Chrysene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Fluoranthene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Fluorene	**0.189**		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Naphthalene	**0.128**		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Phenanthrene	**0.384**		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Pyrene	ND		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
1-Methylnaphthalene	**0.683**		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
2-Methylnaphthalene	**0.969**		mg/kg dry	0.0864	1	05/16/09 16:30	SW846 8270D	9051947
Surr: Terphenyl-d14 (26-128%)	*74 %*					*05/16/09 16:30*	*SW846 8270D*	*9051947*
Surr: 2-Fluorobiphenyl (19-109%)	*65 %*					*05/16/09 16:30*	*SW846 8270D*	*9051947*
Surr: Nitrobenzene-d5 (22-104%)	*64 %*					*05/16/09 16:30*	*SW846 8270D*	*9051947*

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Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-04 (395 Acorn-2 - Soil) Sampled: 05/05/09 13:00								
General Chemistry Parameters								
% Dry Solids	**83.2**		%	0.500	1	05/19/09 08:24	SW-846	9052519
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00159	1	05/15/09 17:48	SW846 8260B	9052606
Ethylbenzene	ND		mg/kg dry	0.00159	1	05/15/09 17:48	SW846 8260B	9052606
Naphthalene	**0.0119**		mg/kg dry	0.00399	1	05/15/09 17:48	SW846 8260B	9052606
Toluene	ND		mg/kg dry	0.00159	1	05/15/09 17:48	SW846 8260B	9052606
Xylenes, total	ND		mg/kg dry	0.00399	1	05/15/09 17:48	SW846 8260B	9052606
Surr: 1,2-Dichloroethane-d4 (41-150%)	*103 %*					*05/15/09 17:48*	*SW846 8260B*	*9052606*
Surr: Dibromofluoromethane (55-139%)	*100 %*					*05/15/09 17:48*	*SW846 8260B*	*9052606*
Surr: Toluene-d8 (57-148%)	*103 %*					*05/15/09 17:48*	*SW846 8260B*	*9052606*
Surr: 4-Bromofluorobenzene (58-150%)	*115 %*					*05/15/09 17:48*	*SW846 8260B*	*9052606*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Acenaphthylene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Anthracene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Benzo (a) anthracene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Benzo (a) pyrene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Benzo (b) fluoranthene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Benzo (k) fluoranthene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Chrysene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Fluoranthene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Fluorene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Naphthalene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Phenanthrene	**0.190**		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Pyrene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
1-Methylnaphthalene	**0.128**		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
2-Methylnaphthalene	ND		mg/kg dry	0.0783	1	05/16/09 16:52	SW846 8270D	9051947
Surr: Terphenyl-d14 (26-128%)	*67 %*					*05/16/09 16:52*	*SW846 8270D*	*9051947*
Surr: 2-Fluorobiphenyl (19-109%)	*63 %*					*05/16/09 16:52*	*SW846 8270D*	*9051947*
Surr: Nitrobenzene-d5 (22-104%)	*60 %*					*05/16/09 16:52*	*SW846 8270D*	*9051947*

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Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-05 (395 Acorn-3 - Soil) Sampled: 05/05/09 13:50								
General Chemistry Parameters								
% Dry Solids	**80.2**		%	0.500	1	05/19/09 08:24	SW-846	9052519
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00204	1	05/15/09 18:18	SW846 8260B	9052606
Ethylbenzene	ND		mg/kg dry	0.00204	1	05/15/09 18:18	SW846 8260B	9052606
Naphthalene	**0.0114**		mg/kg dry	0.00509	1	05/15/09 18:18	SW846 8260B	9052606
Toluene	ND		mg/kg dry	0.00204	1	05/15/09 18:18	SW846 8260B	9052606
Xylenes, total	ND		mg/kg dry	0.00509	1	05/15/09 18:18	SW846 8260B	9052606
Surr: 1,2-Dichloroethane-d4 (41-150%)	*100 %*					*05/15/09 18:18*	*SW846 8260B*	*9052606*
Surr: Dibromofluoromethane (55-139%)	*99 %*					*05/15/09 18:18*	*SW846 8260B*	*9052606*
Surr: Toluene-d8 (57-148%)	*107 %*					*05/15/09 18:18*	*SW846 8260B*	*9052606*
Surr: 4-Bromofluorobenzene (58-150%)	*125 %*					*05/15/09 18:18*	*SW846 8260B*	*9052606*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Acenaphthylene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Anthracene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Benzo (a) anthracene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Benzo (a) pyrene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Benzo (b) fluoranthene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Benzo (k) fluoranthene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Chrysene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Fluoranthene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Fluorene	**0.166**		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Naphthalene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Phenanthrene	**0.357**		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Pyrene	ND		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
1-Methylnaphthalene	**0.263**		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
2-Methylnaphthalene	**0.225**		mg/kg dry	0.0816	1	05/16/09 17:13	SW846 8270D	9051947
Surr: Terphenyl-d14 (26-128%)	*67 %*					*05/16/09 17:13*	*SW846 8270D*	*9051947*
Surr: 2-Fluorobiphenyl (19-109%)	*70 %*					*05/16/09 17:13*	*SW846 8270D*	*9051947*
Surr: Nitrobenzene-d5 (22-104%)	*66 %*					*05/16/09 17:13*	*SW846 8270D*	*9051947*

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

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-06 (395 Acorn-4 - Soil) Sampled: 05/06/09 11:00								
General Chemistry Parameters								
% Dry Solids	**77.9**		%	0.500	1	05/19/09 08:24	SW-846	9052519
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.00355**		mg/kg dry	0.00243	1	05/14/09 18:58	SW846 8260B	9051282
Ethylbenzene	**0.0194**		mg/kg dry	0.00243	1	05/14/09 18:58	SW846 8260B	9051282
Naphthalene	**1.77**		mg/kg dry	0.347	50	05/16/09 06:57	SW846 8260B	9052383
Toluene	ND		mg/kg dry	0.00243	1	05/14/09 18:58	SW846 8260B	9051282
Xylenes, total	ND		mg/kg dry	0.00608	1	05/14/09 18:58	SW846 8260B	9051282
Surr: 1,2-Dichloroethane-d4 (41-150%)	*93 %*					*05/14/09 18:58*	*SW846 8260B*	*9051282*
Surr: 1,2-Dichloroethane-d4 (41-150%)	*99 %*					*05/16/09 06:57*	*SW846 8260B*	*9052383*
Surr: Dibromofluoromethane (55-139%)	*91 %*					*05/14/09 18:58*	*SW846 8260B*	*9051282*
Surr: Dibromofluoromethane (55-139%)	*92 %*					*05/16/09 06:57*	*SW846 8260B*	*9052383*
Surr: Toluene-d8 (57-148%)	*110 %*					*05/14/09 18:58*	*SW846 8260B*	*9051282*
Surr: Toluene-d8 (57-148%)	*101 %*					*05/16/09 06:57*	*SW846 8260B*	*9052383*
Surr: 4-Bromofluorobenzene (58-150%)	*122 %*					*05/14/09 18:58*	*SW846 8260B*	*9051282*
Surr: 4-Bromofluorobenzene (58-150%)	*104 %*					*05/16/09 06:57*	*SW846 8260B*	*9052383*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Acenaphthylene	**0.0970**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Anthracene	**0.108**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Benzo (a) anthracene	**0.165**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Benzo (a) pyrene	ND		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Benzo (b) fluoranthene	**0.0944**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Benzo (k) fluoranthene	ND		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Chrysene	**0.174**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Fluoranthene	**0.467**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Fluorene	**0.397**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Naphthalene	**0.390**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Phenanthrene	**0.999**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Pyrene	**0.324**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
1-Methylnaphthalene	**1.75**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
2-Methylnaphthalene	**2.68**		mg/kg dry	0.0851	1	05/16/09 17:35	SW846 8270D	9051947
Surr: Terphenyl-d14 (26-128%)	*65 %*					*05/16/09 17:35*	*SW846 8270D*	*9051947*
Surr: 2-Fluorobiphenyl (19-109%)	*66 %*					*05/16/09 17:35*	*SW846 8270D*	*9051947*
Surr: Nitrobenzene-d5 (22-104%)	*63 %*					*05/16/09 17:35*	*SW846 8270D*	*9051947*

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-07 (1000 Bobwhite - Soil) Sampled: 05/07/09 10:00								
General Chemistry Parameters								
% Dry Solids	**91.2**		%	0.500	1	05/19/09 08:24	SW-846	9052519
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00211	1	05/14/09 19:27	SW846 8260B	9051282
Ethylbenzene	ND		mg/kg dry	0.00211	1	05/14/09 19:27	SW846 8260B	9051282
Naphthalene	ND		mg/kg dry	0.00528	1	05/14/09 19:27	SW846 8260B	9051282
Toluene	ND		mg/kg dry	0.00211	1	05/14/09 19:27	SW846 8260B	9051282
Xylenes, total	ND		mg/kg dry	0.00528	1	05/14/09 19:27	SW846 8260B	9051282
Surr: 1,2-Dichloroethane-d4 (41-150%)	*95 %*					*05/14/09 19:27*	*SW846 8260B*	*9051282*
Surr: Dibromofluoromethane (55-139%)	*92 %*					*05/14/09 19:27*	*SW846 8260B*	*9051282*
Surr: Toluene-d8 (57-148%)	*105 %*					*05/14/09 19:27*	*SW846 8260B*	*9051282*
Surr: 4-Bromofluorobenzene (58-150%)	*112 %*					*05/14/09 19:27*	*SW846 8260B*	*9051282*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Acenaphthylene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Anthracene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Benzo (a) anthracene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Benzo (a) pyrene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Benzo (b) fluoranthene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Benzo (k) fluoranthene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Chrysene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Fluoranthene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Fluorene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Naphthalene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Phenanthrene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Pyrene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
1-Methylnaphthalene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
2-Methylnaphthalene	ND		mg/kg dry	0.0722	1	05/12/09 21:33	SW846 8270D	9051263
Surr: Terphenyl-d14 (26-128%)	*77 %*					*05/12/09 21:33*	*SW846 8270D*	*9051263*
Surr: 2-Fluorobiphenyl (19-109%)	*68 %*					*05/12/09 21:33*	*SW846 8270D*	*9051263*
Surr: Nitrobenzene-d5 (22-104%)	*83 %*					*05/12/09 21:33*	*SW846 8270D*	*9051263*

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Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0648-08 (1003 Bobwhite - Soil) Sampled: 05/07/09 14:15								
General Chemistry Parameters								
% Dry Solids	**90.7**		%	0.500	1	05/19/09 08:24	SW-846	9052519
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00188	1	05/14/09 19:57	SW846 8260B	9051282
Ethylbenzene	ND		mg/kg dry	0.00188	1	05/14/09 19:57	SW846 8260B	9051282
Naphthalene	ND		mg/kg dry	0.00470	1	05/14/09 19:57	SW846 8260B	9051282
Toluene	ND		mg/kg dry	0.00188	1	05/14/09 19:57	SW846 8260B	9051282
Xylenes, total	ND		mg/kg dry	0.00470	1	05/14/09 19:57	SW846 8260B	9051282
Surr: 1,2-Dichloroethane-d4 (41-150%)	*92 %*					*05/14/09 19:57*	*SW846 8260B*	*9051282*
Surr: Dibromofluoromethane (55-139%)	*92 %*					*05/14/09 19:57*	*SW846 8260B*	*9051282*
Surr: Toluene-d8 (57-148%)	*103 %*					*05/14/09 19:57*	*SW846 8260B*	*9051282*
Surr: 4-Bromofluorobenzene (58-150%)	*106 %*					*05/14/09 19:57*	*SW846 8260B*	*9051282*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Acenaphthylene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Anthracene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Benzo (a) anthracene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Benzo (a) pyrene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Benzo (b) fluoranthene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Benzo (k) fluoranthene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Chrysene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Fluoranthene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Fluorene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Naphthalene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Phenanthrene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Pyrene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
1-Methylnaphthalene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
2-Methylnaphthalene	ND		mg/kg dry	0.0733	1	05/12/09 21:56	SW846 8270D	9051263
Surr: Terphenyl-d14 (26-128%)	*84 %*					*05/12/09 21:56*	*SW846 8270D*	*9051263*
Surr: 2-Fluorobiphenyl (19-109%)	*70 %*					*05/12/09 21:56*	*SW846 8270D*	*9051263*
Surr: Nitrobenzene-d5 (22-104%)	*84 %*					*05/12/09 21:56*	*SW846 8270D*	*9051263*

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Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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	9051263	NSE0648-01	30.19	1.00	05/11/09 12:35	ACB	EPA 3550B
SW846 8270D	9051947	NSE0648-01RE1	30.28	1.00	05/14/09 12:10	JNS	EPA 3550B
SW846 8270D	9051263	NSE0648-02	30.12	1.00	05/11/09 12:35	ACB	EPA 3550B
SW846 8270D	9051947	NSE0648-02RE1	30.19	1.00	05/14/09 12:10	JNS	EPA 3550B
SW846 8270D	9051263	NSE0648-03	30.61	1.00	05/11/09 12:35	ACB	EPA 3550B
SW846 8270D	9051947	NSE0648-03RE1	30.56	1.00	05/14/09 12:10	JNS	EPA 3550B
SW846 8270D	9051263	NSE0648-04	30.28	1.00	05/11/09 12:35	ACB	EPA 3550B
SW846 8270D	9051947	NSE0648-04RE1	30.87	1.00	05/14/09 12:10	JNS	EPA 3550B
SW846 8270D	9051263	NSE0648-05	30.90	1.00	05/11/09 12:35	ACB	EPA 3550B
SW846 8270D	9051947	NSE0648-05RE1	30.72	1.00	05/14/09 12:10	JNS	EPA 3550B
SW846 8270D	9051263	NSE0648-06	30.33	1.00	05/11/09 12:35	ACB	EPA 3550B
SW846 8270D	9051947	NSE0648-06RE1	30.31	1.00	05/14/09 12:10	JNS	EPA 3550B
SW846 8270D	9051263	NSE0648-07	30.52	1.00	05/11/09 12:35	ACB	EPA 3550B
SW846 8270D	9051263	NSE0648-08	30.25	1.00	05/11/09 12:35	ACB	EPA 3550B
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9051282	NSE0648-01	5.95	5.00	05/04/09 11:00	JRL	EPA 5035
SW846 8260B	9051282	NSE0648-02	6.06	5.00	05/04/09 12:35	JRL	EPA 5035
SW846 8260B	9051282	NSE0648-03	5.63	5.00	05/05/09 11:20	JRL	EPA 5035
SW846 8260B	9052383	NSE0648-03RE1	6.34	5.00	05/05/09 11:20	JRL	EPA 5035
SW846 8260B	9051282	NSE0648-04	6.48	5.00	05/05/09 13:00	JRL	EPA 5035
SW846 8260B	9052606	NSE0648-04RE1	7.54	5.00	05/05/09 13:00	JRL	EPA 5035
SW846 8260B	9051282	NSE0648-05	5.68	5.00	05/05/09 13:50	JRL	EPA 5035
SW846 8260B	9052606	NSE0648-05RE1	6.12	5.00	05/05/09 13:50	JRL	EPA 5035
SW846 8260B	9051282	NSE0648-06	5.28	5.00	05/06/09 11:00	JRL	EPA 5035
SW846 8260B	9052383	NSE0648-06RE1	4.62	5.00	05/06/09 11:00	JRL	EPA 5035
SW846 8260B	9051282	NSE0648-07	5.19	5.00	05/07/09 10:00	JRL	EPA 5035
SW846 8260B	9051282	NSE0648-08	5.86	5.00	05/07/09 14:15	JRL	EPA 5035

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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						
9051282-BLK1						
Benzene	<0.000670		mg/kg wet	9051282	9051282-BLK1	05/14/09 15:23
Ethylbenzene	<0.000670		mg/kg wet	9051282	9051282-BLK1	05/14/09 15:23
Naphthalene	0.00247		mg/kg wet	9051282	9051282-BLK1	05/14/09 15:23
Toluene	<0.000670		mg/kg wet	9051282	9051282-BLK1	05/14/09 15:23
Xylenes, total	<0.00172		mg/kg wet	9051282	9051282-BLK1	05/14/09 15:23
Surrogate: 1,2-Dichloroethane-d4	100%			9051282	9051282-BLK1	05/14/09 15:23
Surrogate: Dibromofluoromethane	101%			9051282	9051282-BLK1	05/14/09 15:23
Surrogate: Toluene-d8	102%			9051282	9051282-BLK1	05/14/09 15:23
Surrogate: 4-Bromofluorobenzene	121%			9051282	9051282-BLK1	05/14/09 15:23
9052383-BLK1						
Benzene	<0.000670		mg/kg wet	9052383	9052383-BLK1	05/16/09 04:25
Ethylbenzene	<0.000670		mg/kg wet	9052383	9052383-BLK1	05/16/09 04:25
Naphthalene	<0.00151		mg/kg wet	9052383	9052383-BLK1	05/16/09 04:25
Toluene	<0.000670		mg/kg wet	9052383	9052383-BLK1	05/16/09 04:25
Xylenes, total	<0.00172		mg/kg wet	9052383	9052383-BLK1	05/16/09 04:25
Surrogate: 1,2-Dichloroethane-d4	96%			9052383	9052383-BLK1	05/16/09 04:25
Surrogate: Dibromofluoromethane	94%			9052383	9052383-BLK1	05/16/09 04:25
Surrogate: Toluene-d8	98%			9052383	9052383-BLK1	05/16/09 04:25
Surrogate: 4-Bromofluorobenzene	101%			9052383	9052383-BLK1	05/16/09 04:25
9052606-BLK1						
Benzene	<0.000670		mg/kg wet	9052606	9052606-BLK1	05/15/09 16:47
Ethylbenzene	<0.000670		mg/kg wet	9052606	9052606-BLK1	05/15/09 16:47
Naphthalene	<0.00151		mg/kg wet	9052606	9052606-BLK1	05/15/09 16:47
Toluene	<0.000670		mg/kg wet	9052606	9052606-BLK1	05/15/09 16:47
Xylenes, total	<0.00172		mg/kg wet	9052606	9052606-BLK1	05/15/09 16:47
Surrogate: 1,2-Dichloroethane-d4	100%			9052606	9052606-BLK1	05/15/09 16:47
Surrogate: Dibromofluoromethane	99%			9052606	9052606-BLK1	05/15/09 16:47
Surrogate: Toluene-d8	98%			9052606	9052606-BLK1	05/15/09 16:47
Surrogate: 4-Bromofluorobenzene	100%			9052606	9052606-BLK1	05/15/09 16:47
Polyaromatic Hydrocarbons by EPA 8270D						
9051263-BLK1						
Acenaphthene	1.50		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Acenaphthylene	1.51		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Anthracene	1.72		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Benzo (a) anthracene	1.54		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Benzo (a) pyrene	1.66		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Benzo (b) fluoranthene	1.79		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Benzo (g,h,i) perylene	1.53		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Benzo (k) fluoranthene	1.38		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26

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

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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						
9051263-BLK1						
Chrysene	1.54		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Dibenz (a,h) anthracene	1.58		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Fluoranthene	1.58		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Fluorene	1.56		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Indeno (1,2,3-cd) pyrene	1.57		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Naphthalene	1.45		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Phenanthrene	1.52		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Pyrene	1.62		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
1-Methylnaphthalene	1.33		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
2-Methylnaphthalene	1.51		mg/kg wet	9051263	9051263-BLK1	05/12/09 17:26
Surrogate: Terphenyl-d14	95%			9051263	9051263-BLK1	05/12/09 17:26
Surrogate: 2-Fluorobiphenyl	84%			9051263	9051263-BLK1	05/12/09 17:26
Surrogate: Nitrobenzene-d5	104%			9051263	9051263-BLK1	05/12/09 17:26
9051947-BLK1						
Acenaphthene	<0.0310		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Acenaphthylene	<0.0320		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Anthracene	<0.0330		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Benzo (a) anthracene	<0.0380		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Benzo (a) pyrene	<0.0290		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Benzo (b) fluoranthene	<0.0320		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Benzo (g,h,i) perylene	<0.0290		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Benzo (k) fluoranthene	<0.0290		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Chrysene	<0.0390		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Fluoranthene	<0.0340		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Fluorene	<0.0390		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Naphthalene	<0.0410		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Phenanthrene	<0.0340		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Pyrene	<0.0410		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
1-Methylnaphthalene	<0.0320		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
2-Methylnaphthalene	<0.0330		mg/kg wet	9051947	9051947-BLK1	05/16/09 14:42
Surrogate: Terphenyl-d14	82%			9051947	9051947-BLK1	05/16/09 14:42
Surrogate: 2-Fluorobiphenyl	83%			9051947	9051947-BLK1	05/16/09 14:42
Surrogate: Nitrobenzene-d5	76%			9051947	9051947-BLK1	05/16/09 14:42

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

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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										
9052519-DUP1										
% Dry Solids	81.2	79.9		%	2	20	9052519	NSE0648-02		05/19/09 08:24
9052520-DUP1										
% Dry Solids	81.9	78.0		%	5	20	9052520	NSE1083-01		05/20/09 08:41

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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								
9051282-BS1								
Benzene	50.0	53.1		ug/kg	106%	76 - 130	9051282	05/14/09 13:25
Ethylbenzene	50.0	57.2		ug/kg	114%	80 - 128	9051282	05/14/09 13:25
Naphthalene	50.0	54.1		ug/kg	108%	63 - 144	9051282	05/14/09 13:25
Toluene	50.0	54.8		ug/kg	110%	80 - 125	9051282	05/14/09 13:25
Xylenes, total	150	174		ug/kg	116%	79 - 130	9051282	05/14/09 13:25
Surrogate: 1,2-Dichloroethane-d4	50.0	49.0			98%	41 - 150	9051282	05/14/09 13:25
Surrogate: Dibromofluoromethane	50.0	50.3			101%	55 - 139	9051282	05/14/09 13:25
Surrogate: Toluene-d8	50.0	51.4			103%	57 - 148	9051282	05/14/09 13:25
Surrogate: 4-Bromofluorobenzene	50.0	48.0			96%	58 - 150	9051282	05/14/09 13:25
9052383-BS1								
Benzene	50.0	48.0		ug/kg	96%	76 - 130	9052383	05/16/09 02:24
Ethylbenzene	50.0	44.7		ug/kg	89%	80 - 128	9052383	05/16/09 02:24
Naphthalene	50.0	40.3		ug/kg	81%	63 - 144	9052383	05/16/09 02:24
Toluene	50.0	46.2		ug/kg	92%	80 - 125	9052383	05/16/09 02:24
Xylenes, total	150	131		ug/kg	87%	79 - 130	9052383	05/16/09 02:24
Surrogate: 1,2-Dichloroethane-d4	50.0	48.5			97%	41 - 150	9052383	05/16/09 02:24
Surrogate: Dibromofluoromethane	50.0	49.4			99%	55 - 139	9052383	05/16/09 02:24
Surrogate: Toluene-d8	50.0	50.1			100%	57 - 148	9052383	05/16/09 02:24
Surrogate: 4-Bromofluorobenzene	50.0	50.3			101%	58 - 150	9052383	05/16/09 02:24
9052606-BS1								
Benzene	50.0	46.8		ug/kg	94%	76 - 130	9052606	05/15/09 14:41
Ethylbenzene	50.0	44.0		ug/kg	88%	80 - 128	9052606	05/15/09 14:41
Naphthalene	50.0	42.8		ug/kg	86%	63 - 144	9052606	05/15/09 14:41
Toluene	50.0	45.8		ug/kg	92%	80 - 125	9052606	05/15/09 14:41
Xylenes, total	150	130		ug/kg	86%	79 - 130	9052606	05/15/09 14:41
Surrogate: 1,2-Dichloroethane-d4	50.0	48.3			97%	41 - 150	9052606	05/15/09 14:41
Surrogate: Dibromofluoromethane	50.0	48.9			98%	55 - 139	9052606	05/15/09 14:41
Surrogate: Toluene-d8	50.0	50.4			101%	57 - 148	9052606	05/15/09 14:41
Surrogate: 4-Bromofluorobenzene	50.0	50.6			101%	58 - 150	9052606	05/15/09 14:41
Polyaromatic Hydrocarbons by EPA 8270D								
9051263-BS1								
Acenaphthene	1.67	1.40	B	mg/kg wet	84%	52 - 106	9051263	05/12/09 17:48
Acenaphthylene	1.67	1.48	B	mg/kg wet	89%	53 - 109	9051263	05/12/09 17:48
Anthracene	1.67	1.64	B	mg/kg wet	99%	54 - 124	9051263	05/12/09 17:48
Benzo (a) anthracene	1.67	1.46	B	mg/kg wet	88%	53 - 111	9051263	05/12/09 17:48
Benzo (a) pyrene	1.67	1.57	B	mg/kg wet	94%	52 - 122	9051263	05/12/09 17:48
Benzo (b) fluoranthene	1.67	1.42	B	mg/kg wet	85%	48 - 115	9051263	05/12/09 17:48
Benzo (g,h,i) perylene	1.67	1.41	B	mg/kg wet	84%	46 - 114	9051263	05/12/09 17:48
Benzo (k) fluoranthene	1.67	1.58	B	mg/kg wet	95%	41 - 121	9051263	05/12/09 17:48

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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								
9051263-BS1								
Chrysene	1.67	1.44	B	mg/kg wet	86%	49 - 113	9051263	05/12/09 17:48
Dibenz (a,h) anthracene	1.67	1.40	B	mg/kg wet	84%	47 - 117	9051263	05/12/09 17:48
Fluoranthene	1.67	1.46	B	mg/kg wet	87%	52 - 113	9051263	05/12/09 17:48
Fluorene	1.67	1.50	B	mg/kg wet	90%	54 - 107	9051263	05/12/09 17:48
Indeno (1,2,3-cd) pyrene	1.67	1.49	B	mg/kg wet	90%	47 - 115	9051263	05/12/09 17:48
Naphthalene	1.67	1.27	B	mg/kg wet	76%	34 - 107	9051263	05/12/09 17:48
Phenanthrene	1.67	1.43	B	mg/kg wet	86%	53 - 108	9051263	05/12/09 17:48
Pyrene	1.67	1.53	B	mg/kg wet	92%	54 - 113	9051263	05/12/09 17:48
1-Methylnaphthalene	1.67	1.21	B	mg/kg wet	73%	36 - 100	9051263	05/12/09 17:48
2-Methylnaphthalene	1.67	1.35	B	mg/kg wet	81%	42 - 112	9051263	05/12/09 17:48
Surrogate: Terphenyl-d14	1.67	1.52			91%	26 - 128	9051263	05/12/09 17:48
Surrogate: 2-Fluorobiphenyl	1.67	1.37			82%	19 - 109	9051263	05/12/09 17:48
Surrogate: Nitrobenzene-d5	1.67	1.51			91%	22 - 104	9051263	05/12/09 17:48
9051947-BS1								
Acenaphthene	1.67	1.31		mg/kg wet	79%	52 - 106	9051947	05/16/09 12:11
Acenaphthylene	1.67	1.38		mg/kg wet	83%	53 - 109	9051947	05/16/09 12:11
Anthracene	1.67	1.46		mg/kg wet	87%	54 - 124	9051947	05/16/09 12:11
Benzo (a) anthracene	1.67	1.35		mg/kg wet	81%	53 - 111	9051947	05/16/09 12:11
Benzo (a) pyrene	1.67	1.40		mg/kg wet	84%	52 - 122	9051947	05/16/09 12:11
Benzo (b) fluoranthene	1.67	1.25		mg/kg wet	75%	48 - 115	9051947	05/16/09 12:11
Benzo (g,h,i) perylene	1.67	1.42		mg/kg wet	85%	46 - 114	9051947	05/16/09 12:11
Benzo (k) fluoranthene	1.67	1.18		mg/kg wet	71%	41 - 121	9051947	05/16/09 12:11
Chrysene	1.67	1.34		mg/kg wet	81%	49 - 113	9051947	05/16/09 12:11
Dibenz (a,h) anthracene	1.67	1.42		mg/kg wet	85%	47 - 117	9051947	05/16/09 12:11
Fluoranthene	1.67	1.40		mg/kg wet	84%	52 - 113	9051947	05/16/09 12:11
Fluorene	1.67	1.32		mg/kg wet	79%	54 - 107	9051947	05/16/09 12:11
Indeno (1,2,3-cd) pyrene	1.67	1.40		mg/kg wet	84%	47 - 115	9051947	05/16/09 12:11
Naphthalene	1.67	1.19		mg/kg wet	71%	34 - 107	9051947	05/16/09 12:11
Phenanthrene	1.67	1.33		mg/kg wet	80%	53 - 108	9051947	05/16/09 12:11
Pyrene	1.67	1.30		mg/kg wet	78%	54 - 113	9051947	05/16/09 12:11
1-Methylnaphthalene	1.67	1.07		mg/kg wet	64%	36 - 100	9051947	05/16/09 12:11
2-Methylnaphthalene	1.67	1.16		mg/kg wet	69%	42 - 112	9051947	05/16/09 12:11
Surrogate: Terphenyl-d14	1.67	1.36			81%	26 - 128	9051947	05/16/09 12:11
Surrogate: 2-Fluorobiphenyl	1.67	1.33			80%	19 - 109	9051947	05/16/09 12:11
Surrogate: Nitrobenzene-d5	1.67	1.22			73%	22 - 104	9051947	05/16/09 12:11

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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												
9051282-BSD1												
Benzene		51.6		ug/kg	50.0	103%	76 - 130	3	43	9051282		05/14/09 13:55
Ethylbenzene		56.2		ug/kg	50.0	112%	80 - 128	2	48	9051282		05/14/09 13:55
Naphthalene		54.2		ug/kg	50.0	108%	63 - 144	0.3	50	9051282		05/14/09 13:55
Toluene		52.9		ug/kg	50.0	106%	80 - 125	3	44	9051282		05/14/09 13:55
Xylenes, total		171		ug/kg	150	114%	79 - 130	2	48	9051282		05/14/09 13:55
Surrogate: 1,2-Dichloroethane-d4		49.3		ug/kg	50.0	99%	41 - 150			9051282		05/14/09 13:55
Surrogate: Dibromofluoromethane		50.1		ug/kg	50.0	100%	55 - 139			9051282		05/14/09 13:55
Surrogate: Toluene-d8		51.3		ug/kg	50.0	103%	57 - 148			9051282		05/14/09 13:55
Surrogate: 4-Bromofluorobenzene		50.5		ug/kg	50.0	101%	58 - 150			9051282		05/14/09 13:55
9052383-BSD1												
Benzene		46.8		ug/kg	50.0	94%	76 - 130	3	43	9052383		05/16/09 02:54
Ethylbenzene		42.3		ug/kg	50.0	85%	80 - 128	6	48	9052383		05/16/09 02:54
Naphthalene		40.0		ug/kg	50.0	80%	63 - 144	0.8	50	9052383		05/16/09 02:54
Toluene		44.0		ug/kg	50.0	88%	80 - 125	5	44	9052383		05/16/09 02:54
Xylenes, total		124		ug/kg	150	83%	79 - 130	5	48	9052383		05/16/09 02:54
Surrogate: 1,2-Dichloroethane-d4		50.0		ug/kg	50.0	100%	41 - 150			9052383		05/16/09 02:54
Surrogate: Dibromofluoromethane		50.0		ug/kg	50.0	100%	55 - 139			9052383		05/16/09 02:54
Surrogate: Toluene-d8		50.1		ug/kg	50.0	100%	57 - 148			9052383		05/16/09 02:54
Surrogate: 4-Bromofluorobenzene		50.7		ug/kg	50.0	101%	58 - 150			9052383		05/16/09 02:54
9052606-BSD1												
Benzene		49.1		ug/kg	50.0	98%	76 - 130	5	43	9052606		05/15/09 15:11
Ethylbenzene		45.0		ug/kg	50.0	90%	80 - 128	2	48	9052606		05/15/09 15:11
Naphthalene		44.6		ug/kg	50.0	89%	63 - 144	4	50	9052606		05/15/09 15:11
Toluene		45.8		ug/kg	50.0	92%	80 - 125	0	44	9052606		05/15/09 15:11
Xylenes, total		133		ug/kg	150	89%	79 - 130	3	48	9052606		05/15/09 15:11
Surrogate: 1,2-Dichloroethane-d4		49.6		ug/kg	50.0	99%	41 - 150			9052606		05/15/09 15:11
Surrogate: Dibromofluoromethane		50.0		ug/kg	50.0	100%	55 - 139			9052606		05/15/09 15:11
Surrogate: Toluene-d8		50.2		ug/kg	50.0	100%	57 - 148			9052606		05/15/09 15:11
Surrogate: 4-Bromofluorobenzene		50.1		ug/kg	50.0	100%	58 - 150			9052606		05/15/09 15:11

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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										
9051282-MS1										
Benzene	0.488	4.24		mg/kg wet	4.30	87%	33 - 146	9051282	NSE0979-05RE1	05/14/09 23:24
Ethylbenzene	1.30	5.16		mg/kg wet	4.30	90%	16 - 160	9051282	NSE0979-05RE1	05/14/09 23:24
Naphthalene	9.25	5.14	MHA	mg/kg wet	4.30	-96%	10 - 151	9051282	NSE0979-05RE1	05/14/09 23:24
Toluene	2.01	5.17		mg/kg wet	4.30	74%	30 - 145	9051282	NSE0979-05RE1	05/14/09 23:24
Xylenes, total	4.48	16.6		mg/kg wet	12.9	94%	16 - 159	9051282	NSE0979-05RE1	05/14/09 23:24
Surrogate: 1,2-Dichloroethane-d4		46.7		ug/kg	50.0	93%	41 - 150	9051282	NSE0979-05RE1	05/14/09 23:24
Surrogate: Dibromofluoromethane		47.0		ug/kg	50.0	94%	55 - 139	9051282	NSE0979-05RE1	05/14/09 23:24
Surrogate: Toluene-d8		52.2		ug/kg	50.0	104%	57 - 148	9051282	NSE0979-05RE1	05/14/09 23:24
Surrogate: 4-Bromofluorobenzene		54.2		ug/kg	50.0	108%	58 - 150	9051282	NSE0979-05RE1	05/14/09 23:24
9052383-MS1										
Benzene	ND	3.43		mg/kg dry	3.47	99%	33 - 146	9052383	NSE0648-06RE1	05/16/09 09:28
Ethylbenzene	0.0820	3.40		mg/kg dry	3.47	95%	16 - 160	9052383	NSE0648-06RE1	05/16/09 09:28
Naphthalene	1.77	4.44		mg/kg dry	3.47	77%	10 - 151	9052383	NSE0648-06RE1	05/16/09 09:28
Toluene	ND	3.36		mg/kg dry	3.47	97%	30 - 145	9052383	NSE0648-06RE1	05/16/09 09:28
Xylenes, total	ND	9.86		mg/kg dry	10.4	95%	16 - 159	9052383	NSE0648-06RE1	05/16/09 09:28
Surrogate: 1,2-Dichloroethane-d4		45.8		ug/kg	50.0	92%	41 - 150	9052383	NSE0648-06RE1	05/16/09 09:28
Surrogate: Dibromofluoromethane		46.3		ug/kg	50.0	93%	55 - 139	9052383	NSE0648-06RE1	05/16/09 09:28
Surrogate: Toluene-d8		51.0		ug/kg	50.0	102%	57 - 148	9052383	NSE0648-06RE1	05/16/09 09:28
Surrogate: 4-Bromofluorobenzene		53.0		ug/kg	50.0	106%	58 - 150	9052383	NSE0648-06RE1	05/16/09 09:28
9052606-MS1										
Benzene	0.203	2.56		mg/kg wet	2.52	94%	33 - 146	9052606	NSE0979-04RE2	05/15/09 23:53
Ethylbenzene	0.114	2.44		mg/kg wet	2.52	92%	16 - 160	9052606	NSE0979-04RE2	05/15/09 23:53
Naphthalene	0.0938	2.06		mg/kg wet	2.52	78%	10 - 151	9052606	NSE0979-04RE2	05/15/09 23:53
Toluene	0.550	2.77		mg/kg wet	2.52	88%	30 - 145	9052606	NSE0979-04RE2	05/15/09 23:53

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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
Selected Volatile Organic Compounds by EPA Method 8260B										
9052606-MS1										
Xylenes, total	0.790	7.75		mg/kg wet	7.56	92%	16 - 159	9052606	NSE0979-04RE2	05/15/09 23:53
Surrogate: 1,2-Dichloroethane-d4		48.7		ug/kg	50.0	97%	41 - 150	9052606	NSE0979-04RE2	05/15/09 23:53
Surrogate: Dibromofluoromethane		47.1		ug/kg	50.0	94%	55 - 139	9052606	NSE0979-04RE2	05/15/09 23:53
Surrogate: Toluene-d8		49.1		ug/kg	50.0	98%	57 - 148	9052606	NSE0979-04RE2	05/15/09 23:53
Surrogate: 4-Bromofluorobenzene		52.7		ug/kg	50.0	105%	58 - 150	9052606	NSE0979-04RE2	05/15/09 23:53
Polyaromatic Hydrocarbons by EPA 8270D										
9051263-MS1										
Acenaphthene	ND	1.44	B	mg/kg dry	1.83	79%	28 - 117	9051263	NSE0656-01	05/12/09 18:11
Acenaphthylene	ND	1.45	B	mg/kg dry	1.83	79%	33 - 113	9051263	NSE0656-01	05/12/09 18:11
Anthracene	ND	1.54	B	mg/kg dry	1.83	84%	31 - 131	9051263	NSE0656-01	05/12/09 18:11
Benzo (a) anthracene	ND	1.47	B	mg/kg dry	1.83	80%	29 - 124	9051263	NSE0656-01	05/12/09 18:11
Benzo (a) pyrene	ND	1.53	B	mg/kg dry	1.83	84%	30 - 127	9051263	NSE0656-01	05/12/09 18:11
Benzo (b) fluoranthene	ND	1.54	B	mg/kg dry	1.83	84%	26 - 128	9051263	NSE0656-01	05/12/09 18:11
Benzo (g,h,i) perylene	ND	1.49	B	mg/kg dry	1.83	81%	21 - 122	9051263	NSE0656-01	05/12/09 18:11
Benzo (k) fluoranthene	ND	1.53	B	mg/kg dry	1.83	84%	20 - 130	9051263	NSE0656-01	05/12/09 18:11
Chrysene	ND	1.49	B	mg/kg dry	1.83	82%	30 - 119	9051263	NSE0656-01	05/12/09 18:11
Dibenz (a,h) anthracene	ND	1.46	B	mg/kg dry	1.83	80%	27 - 122	9051263	NSE0656-01	05/12/09 18:11
Fluoranthene	ND	1.41	B	mg/kg dry	1.83	77%	23 - 132	9051263	NSE0656-01	05/12/09 18:11
Fluorene	ND	1.48	B	mg/kg dry	1.83	81%	38 - 110	9051263	NSE0656-01	05/12/09 18:11
Indeno (1,2,3-cd) pyrene	ND	1.50	B	mg/kg dry	1.83	82%	24 - 122	9051263	NSE0656-01	05/12/09 18:11
Naphthalene	ND	1.32	B	mg/kg dry	1.83	72%	14 - 117	9051263	NSE0656-01	05/12/09 18:11
Phenanthrene	ND	1.36	B	mg/kg dry	1.83	74%	21 - 130	9051263	NSE0656-01	05/12/09 18:11
Pyrene	ND	1.52	B	mg/kg dry	1.83	83%	24 - 133	9051263	NSE0656-01	05/12/09 18:11
1-Methylnaphthalene	ND	1.17	B	mg/kg dry	1.83	64%	10 - 121	9051263	NSE0656-01	05/12/09 18:11
2-Methylnaphthalene	ND	1.32	B	mg/kg dry	1.83	72%	26 - 116	9051263	NSE0656-01	05/12/09 18:11
Surrogate: Terphenyl-d14		1.51		mg/kg dry	1.83	82%	26 - 128	9051263	NSE0656-01	05/12/09 18:11
Surrogate: 2-Fluorobiphenyl		1.35		mg/kg dry	1.83	74%	19 - 109	9051263	NSE0656-01	05/12/09 18:11
Surrogate: Nitrobenzene-d5		1.55		mg/kg dry	1.83	84%	22 - 104	9051263	NSE0656-01	05/12/09 18:11
9051947-MS1										
Acenaphthene	ND	1.18		mg/kg wet	1.65	72%	28 - 117	9051947	NSE1039-03	05/16/09 15:04
Acenaphthylene	ND	1.23		mg/kg wet	1.65	74%	33 - 113	9051947	NSE1039-03	05/16/09 15:04
Anthracene	ND	1.33		mg/kg wet	1.65	81%	31 - 131	9051947	NSE1039-03	05/16/09 15:04
Benzo (a) anthracene	ND	1.30		mg/kg wet	1.65	79%	29 - 124	9051947	NSE1039-03	05/16/09 15:04

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

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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										
9051947-MS1										
Benzo (a) pyrene	ND	1.30		mg/kg wet	1.65	79%	30 - 127	9051947	NSE1039-03	05/16/09 15:04
Benzo (b) fluoranthene	ND	1.17		mg/kg wet	1.65	71%	26 - 128	9051947	NSE1039-03	05/16/09 15:04
Benzo (g,h,i) perylene	ND	1.24		mg/kg wet	1.65	75%	21 - 122	9051947	NSE1039-03	05/16/09 15:04
Benzo (k) fluoranthene	ND	1.16		mg/kg wet	1.65	70%	20 - 130	9051947	NSE1039-03	05/16/09 15:04
Chrysene	ND	1.28		mg/kg wet	1.65	78%	30 - 119	9051947	NSE1039-03	05/16/09 15:04
Dibenz (a,h) anthracene	ND	1.23		mg/kg wet	1.65	75%	27 - 122	9051947	NSE1039-03	05/16/09 15:04
Fluoranthene	ND	1.36		mg/kg wet	1.65	83%	23 - 132	9051947	NSE1039-03	05/16/09 15:04
Fluorene	ND	1.23		mg/kg wet	1.65	75%	38 - 110	9051947	NSE1039-03	05/16/09 15:04
Indeno (1,2,3-cd) pyrene	ND	1.24		mg/kg wet	1.65	75%	24 - 122	9051947	NSE1039-03	05/16/09 15:04
Naphthalene	ND	1.05		mg/kg wet	1.65	64%	14 - 117	9051947	NSE1039-03	05/16/09 15:04
Phenanthrene	ND	1.26		mg/kg wet	1.65	77%	21 - 130	9051947	NSE1039-03	05/16/09 15:04
Pyrene	ND	1.19		mg/kg wet	1.65	72%	24 - 133	9051947	NSE1039-03	05/16/09 15:04
1-Methylnaphthalene	ND	0.949		mg/kg wet	1.65	58%	10 - 121	9051947	NSE1039-03	05/16/09 15:04
2-Methylnaphthalene	ND	1.04		mg/kg wet	1.65	63%	26 - 116	9051947	NSE1039-03	05/16/09 15:04
Surrogate: Terphenyl-d14		1.05		mg/kg wet	1.65	64%	26 - 128	9051947	NSE1039-03	05/16/09 15:04
Surrogate: 2-Fluorobiphenyl		0.992		mg/kg wet	1.65	60%	19 - 109	9051947	NSE1039-03	05/16/09 15:04
Surrogate: Nitrobenzene-d5		0.989		mg/kg wet	1.65	60%	22 - 104	9051947	NSE1039-03	05/16/09 15:04

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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												
9051282-MSD1												
Benzene	0.488	4.11		mg/kg wet	4.30	84%	33 - 146	3	43	9051282	NSE0979-05RE1	05/14/09 23:53
Ethylbenzene	1.30	4.87		mg/kg wet	4.30	83%	16 - 160	6	48	9051282	NSE0979-05RE1	05/14/09 23:53
Naphthalene	9.25	4.81	MHA	mg/kg wet	4.30	-103%	10 - 151	7	50	9051282	NSE0979-05RE1	05/14/09 23:53
Toluene	2.01	4.92		mg/kg wet	4.30	68%	30 - 145	5	44	9051282	NSE0979-05RE1	05/14/09 23:53
Xylenes, total	4.48	15.8		mg/kg wet	12.9	88%	16 - 159	5	48	9051282	NSE0979-05RE1	05/14/09 23:53
Surrogate: 1,2-Dichloroethane-d4		46.2		ug/kg	50.0	92%	41 - 150			9051282	NSE0979-05RE1	05/14/09 23:53
Surrogate: Dibromofluoromethane		48.0		ug/kg	50.0	96%	55 - 139			9051282	NSE0979-05RE1	05/14/09 23:53
Surrogate: Toluene-d8		52.0		ug/kg	50.0	104%	57 - 148			9051282	NSE0979-05RE1	05/14/09 23:53
Surrogate: 4-Bromofluorobenzene		53.1		ug/kg	50.0	106%	58 - 150			9051282	NSE0979-05RE1	05/14/09 23:53
9052383-MSD1												
Benzene	ND	3.32		mg/kg dry	3.47	96%	33 - 146	3	43	9052383	NSE0648-06RE1	05/16/09 09:58
Ethylbenzene	0.0820	3.12		mg/kg dry	3.47	87%	16 - 160	9	48	9052383	NSE0648-06RE1	05/16/09 09:58
Naphthalene	1.77	4.09		mg/kg dry	3.47	67%	10 - 151	8	50	9052383	NSE0648-06RE1	05/16/09 09:58
Toluene	ND	3.17		mg/kg dry	3.47	91%	30 - 145	6	44	9052383	NSE0648-06RE1	05/16/09 09:58
Xylenes, total	ND	9.03		mg/kg dry	10.4	87%	16 - 159	9	48	9052383	NSE0648-06RE1	05/16/09 09:58
Surrogate: 1,2-Dichloroethane-d4		46.8		ug/kg	50.0	94%	41 - 150			9052383	NSE0648-06RE1	05/16/09 09:58
Surrogate: Dibromofluoromethane		47.2		ug/kg	50.0	94%	55 - 139			9052383	NSE0648-06RE1	05/16/09 09:58
Surrogate: Toluene-d8		50.3		ug/kg	50.0	101%	57 - 148			9052383	NSE0648-06RE1	05/16/09 09:58
Surrogate: 4-Bromofluorobenzene		52.8		ug/kg	50.0	106%	58 - 150			9052383	NSE0648-06RE1	05/16/09 09:58
9052606-MSD1												
Benzene	0.203	2.47		mg/kg wet	2.52	90%	33 - 146	4	43	9052606	NSE0979-04RE2	05/16/09 00:23
Ethylbenzene	0.114	2.29		mg/kg wet	2.52	86%	16 - 160	6	48	9052606	NSE0979-04RE2	05/16/09 00:23
Naphthalene	0.0938	1.98		mg/kg wet	2.52	75%	10 - 151	4	50	9052606	NSE0979-04RE2	05/16/09 00:23
Toluene	0.550	2.67		mg/kg wet	2.52	84%	30 - 145	4	44	9052606	NSE0979-04RE2	05/16/09 00:23
Xylenes, total	0.790	7.22		mg/kg wet	7.56	85%	16 - 159	7	48	9052606	NSE0979-04RE2	05/16/09 00:23

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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
Selected Volatile Organic Compounds by EPA Method 8260B												
9052606-MSD1												
Surrogate: 1,2-Dichloroethane-d4		46.6		ug/kg	50.0	93%	41 - 150			9052606	NSE0979-04RE2	05/16/09 00:23
Surrogate: Dibromofluoromethane		46.8		ug/kg	50.0	94%	55 - 139			9052606	NSE0979-04RE2	05/16/09 00:23
Surrogate: Toluene-d8		49.4		ug/kg	50.0	99%	57 - 148			9052606	NSE0979-04RE2	05/16/09 00:23
Surrogate: 4-Bromofluorobenzene		52.5		ug/kg	50.0	105%	58 - 150			9052606	NSE0979-04RE2	05/16/09 00:23
Polyaromatic Hydrocarbons by EPA 8270D												
9051263-MSD1												
Acenaphthene	ND	1.37	B	mg/kg dry	1.80	76%	28 - 117	5	33	9051263	NSE0656-01	05/12/09 18:33
Acenaphthylene	ND	1.40	B	mg/kg dry	1.80	78%	33 - 113	3	38	9051263	NSE0656-01	05/12/09 18:33
Anthracene	ND	1.47	B	mg/kg dry	1.80	82%	31 - 131	4	32	9051263	NSE0656-01	05/12/09 18:33
Benzo (a) anthracene	ND	1.42	B	mg/kg dry	1.80	79%	29 - 124	4	26	9051263	NSE0656-01	05/12/09 18:33
Benzo (a) pyrene	ND	1.45	B	mg/kg dry	1.80	81%	30 - 127	6	31	9051263	NSE0656-01	05/12/09 18:33
Benzo (b) fluoranthene	ND	1.55	B	mg/kg dry	1.80	86%	26 - 128	0.5	37	9051263	NSE0656-01	05/12/09 18:33
Benzo (g,h,i) perylene	ND	1.38	B	mg/kg dry	1.80	77%	21 - 122	7	28	9051263	NSE0656-01	05/12/09 18:33
Benzo (k) fluoranthene	ND	1.34	B	mg/kg dry	1.80	75%	20 - 130	13	35	9051263	NSE0656-01	05/12/09 18:33
Chrysene	ND	1.40	B	mg/kg dry	1.80	78%	30 - 119	6	31	9051263	NSE0656-01	05/12/09 18:33
Dibenz (a,h) anthracene	ND	1.41	B	mg/kg dry	1.80	79%	27 - 122	3	32	9051263	NSE0656-01	05/12/09 18:33
Fluoranthene	ND	1.41	B	mg/kg dry	1.80	78%	23 - 132	0.02	36	9051263	NSE0656-01	05/12/09 18:33
Fluorene	ND	1.36	B	mg/kg dry	1.80	76%	38 - 110	8	35	9051263	NSE0656-01	05/12/09 18:33
Indeno (1,2,3-cd) pyrene	ND	1.41	B	mg/kg dry	1.80	78%	24 - 122	6	28	9051263	NSE0656-01	05/12/09 18:33
Naphthalene	ND	1.34	B	mg/kg dry	1.80	74%	14 - 117	2	34	9051263	NSE0656-01	05/12/09 18:33
Phenanthrene	ND	1.38	B	mg/kg dry	1.80	76%	21 - 130	1	33	9051263	NSE0656-01	05/12/09 18:33
Pyrene	ND	1.56	B	mg/kg dry	1.80	86%	24 - 133	2	36	9051263	NSE0656-01	05/12/09 18:33
1-Methylnaphthalene	ND	1.19	B	mg/kg dry	1.80	66%	10 - 121	2	34	9051263	NSE0656-01	05/12/09 18:33
2-Methylnaphthalene	ND	1.33	B	mg/kg dry	1.80	74%	26 - 116	1	33	9051263	NSE0656-01	05/12/09 18:33
Surrogate: Terphenyl-d14		1.43		mg/kg dry	1.80	79%	26 - 128			9051263	NSE0656-01	05/12/09 18:33
Surrogate: 2-Fluorobiphenyl		1.22		mg/kg dry	1.80	68%	19 - 109			9051263	NSE0656-01	05/12/09 18:33
Surrogate: Nitrobenzene-d5		1.50		mg/kg dry	1.80	83%	22 - 104			9051263	NSE0656-01	05/12/09 18:33
9051947-MSD1												
Acenaphthene	ND	1.24		mg/kg wet	1.66	75%	28 - 117	5	33	9051947	NSE1039-03	05/16/09 15:25
Acenaphthylene	ND	1.28		mg/kg wet	1.66	77%	33 - 113	4	38	9051947	NSE1039-03	05/16/09 15:25
Anthracene	ND	1.39		mg/kg wet	1.66	84%	31 - 131	5	32	9051947	NSE1039-03	05/16/09 15:25
Benzo (a) anthracene	ND	1.33		mg/kg wet	1.66	80%	29 - 124	3	26	9051947	NSE1039-03	05/16/09 15:25
Benzo (a) pyrene	ND	1.36		mg/kg wet	1.66	82%	30 - 127	5	31	9051947	NSE1039-03	05/16/09 15:25
Benzo (b) fluoranthene	ND	1.30		mg/kg wet	1.66	79%	26 - 128	11	37	9051947	NSE1039-03	05/16/09 15:25
Benzo (g,h,i) perylene	ND	1.29		mg/kg wet	1.66	78%	21 - 122	4	28	9051947	NSE1039-03	05/16/09 15:25
Benzo (k) fluoranthene	ND	1.40		mg/kg wet	1.66	85%	20 - 130	19	35	9051947	NSE1039-03	05/16/09 15:25
Chrysene	ND	1.33		mg/kg wet	1.66	80%	30 - 119	3	31	9051947	NSE1039-03	05/16/09 15:25

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Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 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												
9051947-MSD1												
Dibenz (a,h) anthracene	ND	1.28		mg/kg wet	1.66	77%	27 - 122	4	32	9051947	NSE1039-03	05/16/09 15:25
Fluoranthene	ND	1.39		mg/kg wet	1.66	84%	23 - 132	2	36	9051947	NSE1039-03	05/16/09 15:25
Fluorene	ND	1.27		mg/kg wet	1.66	77%	38 - 110	4	35	9051947	NSE1039-03	05/16/09 15:25
Indeno (1,2,3-cd) pyrene	ND	1.29		mg/kg wet	1.66	78%	24 - 122	5	28	9051947	NSE1039-03	05/16/09 15:25
Naphthalene	ND	1.11		mg/kg wet	1.66	67%	14 - 117	6	34	9051947	NSE1039-03	05/16/09 15:25
Phenanthrene	ND	1.29		mg/kg wet	1.66	78%	21 - 130	2	33	9051947	NSE1039-03	05/16/09 15:25
Pyrene	ND	1.25		mg/kg wet	1.66	76%	24 - 133	5	36	9051947	NSE1039-03	05/16/09 15:25
1-Methylnaphthalene	ND	1.02		mg/kg wet	1.66	61%	10 - 121	7	34	9051947	NSE1039-03	05/16/09 15:25
2-Methylnaphthalene	ND	1.11		mg/kg wet	1.66	67%	26 - 116	6	33	9051947	NSE1039-03	05/16/09 15:25
Surrogate: Terphenyl-d14		1.13		mg/kg wet	1.66	68%	26 - 128			9051947	NSE1039-03	05/16/09 15:25
Surrogate: 2-Fluorobiphenyl		1.04		mg/kg wet	1.66	63%	19 - 109			9051947	NSE1039-03	05/16/09 15:25
Surrogate: Nitrobenzene-d5		1.05		mg/kg wet	1.66	63%	22 - 104			9051947	NSE1039-03	05/16/09 15:25

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

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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

Client	Small Business Group, Inc. (2449)	Work Order:	NSE0648
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/08/09 08:00

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
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).
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

NSE0648
05/22/09 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) Prah Shaw
Sampler Signature:

Site State: SC
PO#: 0829
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	Preservative: H_2SO_4 (Red Label)	Preservative: HCl (Blue Label)	Preservative: NaOH (Orange Label)	Preservative: H_2SO_4 Plastic (Yellow Label)	Preservative: H_2SO_4 Glass (Yellow Label)	Preservative: None (Black Label)	Preservative: Other (Specify) Methanol	Matrix: Groundwater	Matrix: Wastewater	Matrix: Drinking Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: BTEX + Naphth - 8260B	Analyze For: PAH - 8270C	Analyze For:	RUSH TAT (Pre-Schedule)
399 Acorn - 1	5/4/09	1100	5	X				2					2	1					X		3	2	NSE0648-01	
399 Acorn - 2	5/4/09	1235	5	X				2					2	1					X		3	2	02	
395 Acorn - 1	5/5/09	1120	5	X				2					2	1					X		3	2	03	
395 Acorn - 2	5/5/09	1300	5	X				2					2	1					X		3	2	04	
395 Acorn - 3	5/5/09	1350	5	X				2					2	1					X		3	2	05	
395 Acorn - 4	5/6/09	1100	5	X				2					2	1					X		3	2	06	
1000 Bobwhite	5/7/09	1000	5	X				2					2	1					X		3	2	07	
1003 Bobwhite	5/7/09	1415	5	X				2					2	1					X		3	2	08	

Special Instructions:

Method of Shipment: FEDEX

	Date	Time		Date	Time
Relinquished by:	5/7/09	1900	Received by: Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date 5-8-09	Time 0900

Laboratory Comments:
Temperature Upon Receipt: 3.2c
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 399Acorn-1,
399 Acorn Dr., 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.L. McQueen / 5/22/09
(Name) (Date)

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

GENERATOR

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

4. Generator's Phone 843 228-6460

A. Manifest Number WMNA 10835460

B. State Generator's ID

5. Transporter 1 Company Name: EEG, Inc.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 843 879-0411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
ROUTE 1, BOX 121
RIDGELAND SC 29936

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 843 987-4643

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Heating Oil Tank filled with Sand WM Profile # 102655SC	001		917		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
6 UST's 1) 263 Birch - 2 4) 395 Acorn - 1 6) 399 Acorn - 1
2) 295 Birch - 2 5) 399 Acorn - 2
3) 386 Acorn

Purchase Order # EMERGENCY CONTACT: ~~6) 1000 Bobwhite Ridge~~

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Charles H. Herron	Charles H Herron	10	15	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
James Baldwin	James Baldwin	10	15	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed 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/Typed Name	Signature	Month	Day	Year
Jan Collins		10	15	19

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants
Laboratory ID: OG18009-001
Description: BEALB399TW01WG20130717
Matrix: Aqueous
Date Sampled: 07/17/2013 0930
Date Received: 07/18/2013

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2013 1349	JAC		25956

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.13	BJ	0.50	0.25	0.027	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.25	0.17	ug/L	1
Naphthalene	91-20-3	8260B	11		0.50	0.25	0.12	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.25	0.17	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.25	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-120
Toluene-d8		107	85-120
Bromofluorobenzene		101	75-120
Dibromofluoromethane		98	85-115

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

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

Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants
Laboratory ID: OG18009-001
Description: BEALB399TW01WG20130717
Matrix: Aqueous
Date Sampled: 07/17/2013 0930
Date Received: 07/18/2013

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	07/22/2013 1229	JRG	07/19/2013 1544	25460

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	ND		0.21	0.10	0.087	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		0.21	0.10	0.093	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		0.21	0.10	0.098	ug/L	1
Chrysene	218-01-9	8270D	ND		0.21	0.10	0.057	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		0.21	0.10	0.062	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		76	50-110
Nitrobenzene-d5		67	40-110
Terphenyl-d14		90	50-135

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

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

Appendix D
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.

July 22, 2009

Commanding Officer
ATTN: S-4 NREAO (Craig Ehde)
MCAS
PO Box 55001
Beaufort, SC 29904-5001

Re: MCAS – Laurel Bay Housing – 399 Acorn Dr.
Site ID # 04229
UST Closure Reports received June 29, 2009
Beaufort County

Dear Mr. Ehde:

The purpose of this letter is to verify a release of fuel oil at the referenced residence. According to information received by the Department, the source of the release is from past onsite use of fuel oil USTs. To date, initial activities by the facility have included tank removal and soil sampling. Based on the information contained in the closure report, a potential violation of the South Carolina Pollution Control Act has occurred in that there has been an unauthorized release of petroleum to the environment.

Additional assessment activities are required for this site. Specifically the Department requests that a groundwater sample be collected from this site. Please note, the Department approved a groundwater-sampling proposal for Laurel Bay submitted by MCAS under separate cover dated 16 June 2008.

Should you have any questions, please contact me at 803-896-4179 (office phone), 803-896-6245 (fax) or cookejt@dhec.sc.gov.

Sincerely,

Jan T. Cooke, Hydrogeologist
AST Petroleum Restoration
& Site Environmental Investigations Section
Land Revitalization Division
Bureau of Land and Waste Management
SC Dept. of Health & Environmental Control

cc: Region 8 District EQC
Tri-Command Communities; Attn: Mr. Robert Bible; 600 Laurel Bay Road Beaufort, SC 29906
Technical File

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

Division of Waste Management
Bureau of Land and Waste Management

August 6, 2015

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

RE: Approval Response to Comments and Concurrence with Final Initial Groundwater Investigation Report-July 2013
Laurel Bay Military Housing Area Multiple Properties
Dated June 2015

Dear Mr. Drawdy,

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

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 10 stated addresses. For the remaining 25 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

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

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

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

Attachment to: Petrus to Drawdy
Subject: Draft Final Initial Groundwater Investigation Report-July 2013
Specifice Property Recommendations
Dated August 6, 2015

Draft Final Initial Groundwater Investigation Report for (35 addresses/38 tanks)

Permanent Monitoring Well Investigation recommendation (10 addresses/11 tanks)	
119 Banyan	156 Laurel Bay
128 Banyan	1033 Foxglove
132 Banyan	1055 Gardenia
135 Birch	1059 Gardenia
148 Laurel Bay	1168 Jasmine
No Further Action recommendation (25 addresses/27 tanks):	
115 Banyan	386 Acorn
116 Banyan	395 Acorn
120 Banyan	399 Acorn
124 Banyan	1021 Foxglove
125 Banyan	1027 Foxglove
136 Birch	1030 Foxglove
140 Laurel Bay	1032 Foxglove
144 Laurel Bay	1053 Gardenia
152 Laurel Bay	1058 Gardenia
160 Cypress	1061 Gardenia
263 Beech	1166 Jasmine
269 Birch	1169 Jasmine
295 Birch	