

SUMMARY REPORT
25 BOBWHITE DRIVE (FORMERLY 1000 BOBWHITE DRIVE)
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
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 25 Bobwhite Drive (Formerly 1000 Bobwhite 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 25 Bobwhite Drive (Formerly 1000 Bobwhite Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1000 Bobwhite Drive* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On May 7, 2009, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the driveway at 25 Bobwhite Drive (Formerly 1000 Bobwhite Drive). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 6'4" bgs and a single soil sample was collected from that depth. The

sample was collected from the fill port side of the former UST to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 25 Bobwhite Drive (Formerly 1000 Bobwhite Drive) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 25 Bobwhite Drive (Formerly 1000 Bobwhite Drive). This NFA determination was obtained in a letter dated July 22, 2009. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1000 Bobwhite Drive, Laurel Bay Military Housing Area*, June 2009.

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

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

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

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

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

Table

Table 1
Laboratory Analytical Results - Soil
25 Bobwhite Drive (Formerly 1000 Bobwhite Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 05/07/09
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 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 - milligram per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

NFA

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

04223

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

1000 Bobwhite 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).....
- B. Capacity..(ex. 1k, 2k).....
- C. Age.....
- D. Construction Material..(ex. Steel, FRP).....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion or Pitting Y/N.....
- L. Visible Holes Y/N.....

1000 Bobwhite				
Heating Oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
6'4"				
No				
No				
Removed				
5/7/09				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
 UST 1000Bobwhite 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)
 The tank 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.

VII. PIPING INFORMATION

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

1000				
Bobwhite				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 96012001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1000 Bobwhite	Excav at fill end	Soil	Sandy	6'4"	5/7/09 1000 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

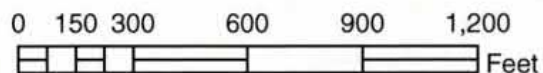
XIII. SITE MAP

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)



1000 BOBWHITE DR.



SBG-EEG, Inc.

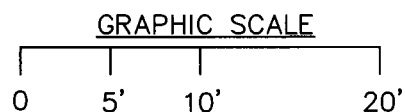
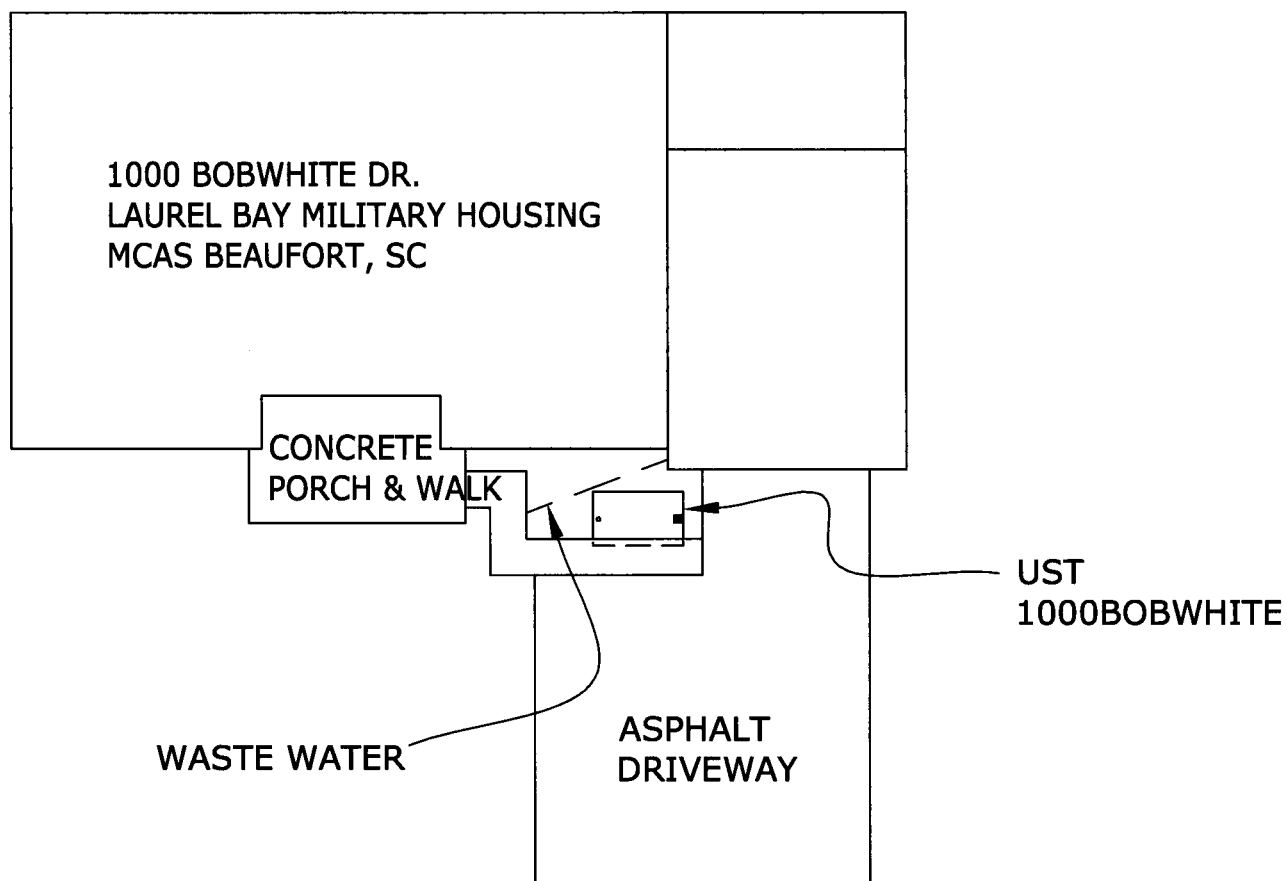
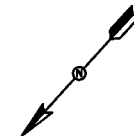
Small Business Group, Inc.
10179 Hwy 78
Ladson, SC 29456

Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: May 2009

FIGURE 1: LOCATION MAP
1000 BOBWHITE DR., LAUREL BAY
MCAS BEAUFORT SC



SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

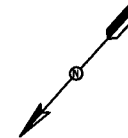
FIGURE 2 SITE MAP
1000 BOBWHITE DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2009

1000 BOBWHITE DR.

GARAGE



EXCAVATION

FILL END

SOIL SAMPLE
1000 BOBWHITE

UST 1000BOBWHITE,
280 GAL.

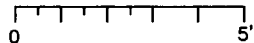
GRASS

GRASS

ASPHALT
DRIVEWAY

UST 1000BOBWHITE WAS
28" BELOW GRADE.

GRAPHIC SCALE



SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1000 BOBWHITE DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2009



Picture 1: UST 1000Bobwhite Drive was located beneath the date-stamp of this photo.



Picture 2: UST 1000Bobwhite Drive being removed from the 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	1000 Bobwhite						
Benzene	ND						
Toluene	ND						
Ethylbenzene	ND						
Xylenes	ND						
Naphthalene	ND						
Benzo (a) anthracene	ND						
Benzo (b) fluoranthene	ND						
Benzo (k) fluoranthene	ND						
Chrysene	ND						
Dibenz (a, h) anthracene	ND						
TPH (EPA 3550)	ND						

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)

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.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

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

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Ken A. Hayes

Senior Project Manager

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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

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 Number: [none]
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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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

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 Number: [none]
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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwce

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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

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 Number: [none]
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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwcc

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/08/09 08:00

PROJECT QUALITY CONTROL DATA

Blank

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

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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwce

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwec

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwee

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwcc

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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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	NSE0979-04RE 2	05/15/09 23:53
Surrogate: 1,2-Dichloroethane-d4		48.7		ug/kg	50.0	97%	41 - 150	9052606	NSE0979-04RE 2	05/15/09 23:53
Surrogate: Dibromofluoromethane		47.1		ug/kg	50.0	94%	55 - 139	9052606	NSE0979-04RE 2	05/15/09 23:53
Surrogate: Toluene-d8		49.1		ug/kg	50.0	98%	57 - 148	9052606	NSE0979-04RE 2	05/15/09 23:53
Surrogate: 4-Bromofluorobenzene		52.7		ug/kg	50.0	105%	58 - 150	9052606	NSE0979-04RE 2	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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwce

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

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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	NSE0979-04RE 2	05/16/09 00:23
Surrogate: Dibromofluoromethane		46.8		ug/kg	50.0	94%	55 - 139			9052606	NSE0979-04RE 2	05/16/09 00:23
Surrogate: Toluene-d8		49.4		ug/kg	50.0	99%	57 - 148			9052606	NSE0979-04RE 2	05/16/09 00:23
Surrogate: 4-Bromofluorobenzene		52.5		ug/kg	50.0	105%	58 - 150			9052606	NSE0979-04RE 2	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

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 Number: [none]
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

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

Attn Tom McElwce

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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			

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

Work Order: NSE0648
Project Name: Laurel Bay Housing Project
Project Number: [none]
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 37204Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404To assist us in using the proper analytical
methods, is this work being conducted for
regulatory purposes?

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: 843.412.2087

Sampler Name: (Print)

Sampler Signature:

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

Site State: SC

PO#:

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix					Analyze For:										RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
							Ice	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	BTEX + Napth - 82608	PAH - 8270C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Special Instructions:

Laboratory Comments:

Temperature Upon Receipt: 3.2
VOCs Free of Headspace?

Y

Method of Shipment: FEDEX					
Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	5/7/09	1900	FEDEX		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			<i>[Signature]</i>	5-8-09	0000

ATTACHMENT A



NON-HAZARDOUS MANIFEST

CWM

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

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1					
3. Generator's Name and Mailing Address MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904						A. Manifest Number WMNA 10885479					
4. Generator's Phone 843 228-6400						B. State Generator's ID					
5. Transporter 1 Company Name EEG, Inc.			6. US EPA ID Number			C. State Transporter's ID					
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 843 879-0411					
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29836			10. US EPA ID Number			E. State Transporter's ID					
						F. Transporter's Phone					
						G. State Facility's ID					
						H. Facility's Phone 843 987-4643					
11. Description of Waste Materials				12. Containers		13. Total Quantity		14. Unit Wt./Vol.		I. Misc. Comments	
a. Heating Oil Tank filled with Sand				No. Type		8.80					
WM Profile # 1026558C				0 0 1							
b. WM Profile #											
c. WM Profile #											
d. WM Profile #											
J. Additional Descriptions for Materials Listed Above						K. Disposal Location					
Landfill _____ Solidification _____						Cell _____ Level _____					
Bio Remediation _____						Grid _____					
15. Special Handling Instructions and Additional Information 5 TANKS 1003 Bobwhite 3) 1008 Foxglove 5) 1114 Foxglove 1005 Foxglove 4) 1009 Foxglove 5) 1000 Bobwhite											
Purchase Order #						EMERGENCY CONTACT:					
16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.											
Printed/Typed Name Charles H. Herron						Signature "On behalf of" Charles H. Herron			Month Day Year 10/5/1909		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name James Baldwin						Signature James Baldwin			Month Day Year 10/5/1909		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Month Day Year		
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.											
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.											
Printed/Typed Name Jan Collins						Signature Jan Collins			Month Day Year 10/5/1909		

Appendix C

Regulatory Correspondence



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 – 1000 BobwhiteDr.
Site ID # 04223
UST Closure Reports received June 29, 2009
No Further Action

Dear Mr. Ehde:

The Department has reviewed the referenced closure report. Based upon the geotechnical data in the referenced report, the soil samples are non-detect and/or below risk based screening levels.

As the Department did not specifically request this data, and the work conducted at this site received no prior review by the Department, we cannot provide any comments on the completeness of the work performed or the overall environmental conditions of the site. Based on the information and analytical data submitted, there is no evidence to indicate that a violation of the Pollution Control Act has occurred. Consequently, no investigation will be required at this time. Please note, this statement pertains only to the data submitted and does not apply to other areas of the site and/or any other potential regulatory violations. Further, the Department retains the right to request further investigation if deemed necessary.

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

Sincerely,

Jan T. Cooke, Hydrogeologist
AST Petroleum Restoration & Site Environmental Investigations Section
Division of Site Assessment, Remediation & Revitalization
Bureau of Land and Waste Management

B. Thomas Knight, Manager

cc: Region 8 District EQC