SUMMARY REPORT
346 ELDERBERRY DRIVE (FORMERLY 435 ELDERBERRY 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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Appendices

List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 346 Elderberry Drive (Formerly 435 Elderberry 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 346 Elderberry Drive (Formerly 435 Elderberry Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 435 Elderberry Drive* (MCAS Beaufort, 2007) and *SCDHEC UST Assessment Report – 435 Elderberry Drive* (MCAS Beaufort, 2015). The UST Assessment Reports are provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites Report* (Resolution Consultants, 2008). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

In August 2006 and October 2014, two 280 gallon heating oil USTs were removed at 346 Elderberry Drive (Formerly 435 Elderberry Drive). Tank 1 was removed on August 8, 2006 from the front yard area. Tank 2 was removed on October 16, 2014 from the front landscaped bed

area, adjacent to the concrete porch. The former UST locations are indicated in the figures of the UST Assessment Reports (Appendix B). The USTs were removed, cleaned, and shipped offsite for recycling. There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 7'7" (Tank 1) and 4'0 (Tank 2) bgs and a single soil sample was collected for each at that depth. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base and side of each excavations and the side of the excavation for the removal of Tank 1 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 are presented in Table 1. A copy of the laboratory analytical data reports are included in the UST Assessment Reports presented in Appendix B. The laboratory analytical data report includes the soil results for the additional PAHs that were analyzed, but do not have associated RBSLs.

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 346 Elderberry Drive (Formerly 435 Elderberry Drive) during the removal of Tank 1 were greater than the SCDHEC RBSLs, which indicated further investigation was required. The soil results collected from the former UST locations (Tanks 1 and 2) at 346 Elderberry Drive (Formerly 435 Elderberry Drive) during the removal of Tank 2 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. In a letter dated October 25, 2007, SCDHEC requested an IGWA be conducted at the former UST location (Tank 1) at 346 Elderberry Drive (Formerly 435 Elderberry Drive) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On July 23, 2008, a temporary monitoring well was installed at 346 Elderberry Drive (Formerly 435 Elderberry Drive), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST (Tank 1). The former UST location is indicated on figures of the UST Assessment Report (Appendix B). Further details are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites Report* (Resolution Consultants, 2008).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites Report* (Resolution Consultants, 2008).

2.4 Groundwater Analytical Results

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

The groundwater results collected from 346 Elderberry Drive (Formerly 435 Elderberry Drive) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater (Tank 1) and soil (Tank 2), SCDHEC made the determination that NFA was required for 346 Elderberry Drive (Formerly 435 Elderberry Drive). This NFA determination was obtained in letters dated November 25, 2008 and July 1, 2015. SCDHEC's NFA letters are provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2007. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 435 Elderberry Drive, Laurel Bay Military Housing Area*, August 2007.

Marine Corps Air Station Beaufort, 2015. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 435 Elderberry Drive, Laurel Bay Military Housing Area*, March 2015.

Resolution Consultants, 2008. *Investigation of Ground Water at Leaking Heating Oil UST Sites Report, for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, November 2008.

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

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

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

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

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

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

Tables

Table 1
Laboratory Analytical Results - Soil
346 Elderberry Drive (Formerly 435 Elderberry Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 08/08/06 and 10/16/14		
		435 Elderberry 08/08/06	435 SW 08/08/06	435 Elderberry 10/16/14
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)				
Benzene	0.003	ND	**0.000375**	ND
Ethylbenzene	1.15	**0.0432**	**0.00211**	**0.00253**
Naphthalene	0.036	**1.55**	**0.0151**	ND
Toluene	0.627	**0.0298**	**0.00249**	ND
Xylenes, Total	13.01	**0.0257**	**0.00774**	**0.00524**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)				
Benzo(a)anthracene	0.66	**0.0987**	**1.07**	ND
Benzo(b)fluoranthene	0.66	ND	**0.904**	ND
Benzo(k)fluoranthene	0.66	ND	**0.943**	ND
Chrysene	0.66	**0.12**	**1.42**	ND
Dibenz(a,h)anthracene	0.66	ND	ND	ND

Notes:

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
346 Elderberry Drive (Formerly 435 Elderberry Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs (µg/L)[2]	Results Samples Collected 07/23/08		
			435 Elderberry A	435 Elderberry B	435 Elderberry C
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)					
Benzene	5	16.24	ND	ND	ND
Ethylbenzene	700	45.95	ND	ND	ND
Naphthalene	25	29.33	ND	ND	ND
Toluene	1000	105,445	ND	ND	ND
Xylenes, Total	10,000	2,133	ND	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)					
Benzo(a)anthracene	10	NA	ND	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND	ND
Chrysene	10	NA	ND	ND	ND
Dibenz(a,h)anthracene	10	NA	ND	ND	ND

Notes:

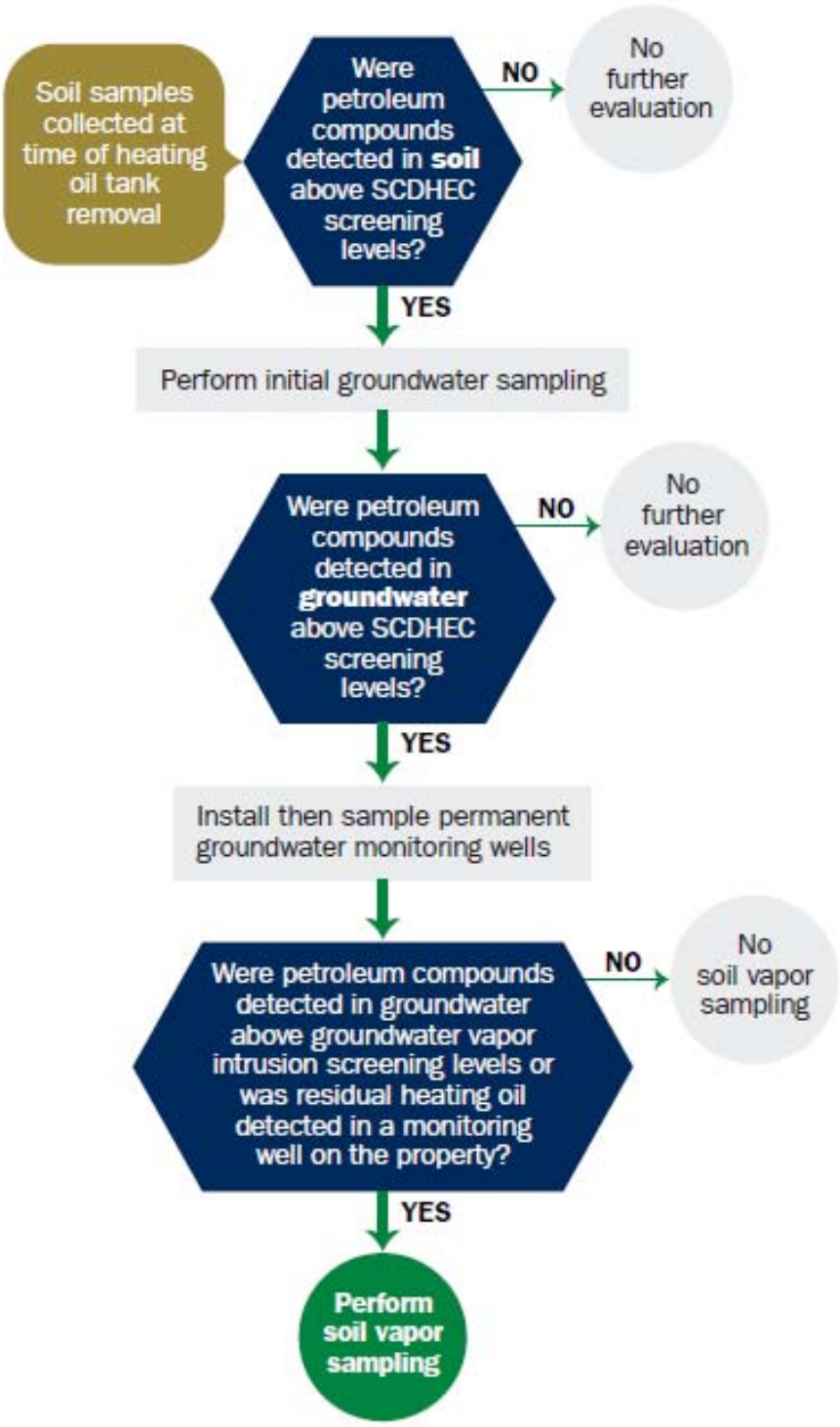
[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.1 (SCDHEC, February 2016).

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

Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.
EPA - United States Environmental Protection Agency
JE - Johnson & Ettinger
NA - Not Applicable
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix C.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control
µg/L - micrograms per liter
VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

CDM - AECOM
Multimedia Joint Venture

'35 Elderberry

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) 896-6240

RECEIVED
AUG 15 2007
Water Monitoring, Assessment & Protection Division

I. OWNERSHIP OF UST (S)

Beaufort Military Complex Family Housing
Owner Name (Corporation, Individual, Public Agency, Other)

1510 Laurel Bay Blvd.
Mailing Address

Beaufort | SC | 29906
City | State | Zip Code

843 | 379-3305 | Kyle Broadfoot
Area Code | Telephone Number | Contact Person

II. SITE IDENTIFICATION AND LOCATION

N/A
Permit I.D. #

Actus Lend Lease Construction
Facility Name or Company Site Identifier

1510 Laurel Bay Blvd.
Street Address or State Road (as applicable)

Beaufort, SC | 29906 | Beaufort
City | ZIP | County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

The petroleum release reported to DHEC on N/A at Permit ID # 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.

And

I **do/do not** (circle one) wish to participate in the Superb Program.

IV. CERTIFICATION (To be signed by the UST owner/operator.)

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

V. UST INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A. Product...(ex. Gas, Kerosene).....	#2 DIESEL					
B. Capacity..(ex. 1k, 2k)..... (APPROX.)	350g					
C. Age.....						
D. Construction Material..(ex. Steel, FRP).....	Steel					
E. Month/Year of Last Use.....						
F. Depth (ft.) To Base of Tank.....						
G. Spill Prevention Equipment Y/N.....	N					
H. Overfill Prevention Equipment Y/N.....	N					
I. Method of Closure (Removed/Filled).....	Removed					
J. Date Tanks Removed/Filled.....	8/8/06					
K. Visible Corrosion or Pitting Y/N.....	N					
L. Visible Holes Y/N.....	N					

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)

Recycling - Scrap Steel

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)

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

VI. PIPING INFORMATION

		Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A.	Construction Material..(ex. Steel, FRP).....	Steel					
B.	Distance from UST to Dispenser.....	N/A					
C.	Number of Dispensers.....	-0-					
D.	Type of System Pressure or Suction.....	Electric Pump					
E.	Was Piping Removed from the Ground? Y/N	N					
F.	Visible Corrosion or Pitting Y/N.....	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.

VII. BRIEF SITE DESCRIPTION AND HISTORY

Home Heating Oil TANK - RESIDENTIAL

VIII. 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.		√	
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.)		√	
C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		√	
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:		√	
E. Was a petroleum sheen or free product detected on any excavation or boring waters? If yes, indicate location and thickness.		√	

IX. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number DW: 84009002

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1		S				A. MANUCY	ND
2		S				A. MANUCY	ND
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

X. 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.

EPA Method 8260 B Volatile Organic Compounds
- Preservative: 2 ea Sodium Bisulfate 1 ea
EPA Method 8270 Poly Aromatic Hydrocarbons
- No Preservative

One (1) Sidewall and One (1) Bottom Sample were secured from tank excavation. Samples were stored and shipped in an insulated cooler w/ ice.

XI. 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.		
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.		✓
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.		✓
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? If yes, indicate the type of utility, distance, and direction on the site map.		✓
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.		✓

SUMMARY OF ANALYSIS RESULTS N/A

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

CoC	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
Benzene								
Toluene								
Ethylbenzene								
Xylenes								
Naphthalene								
Benzo(a)anthracene								
Benzo(b)flouranthene								
Benzo(k)flouranthene								
Chrysene								
Dibenz(a,h)anthracene								
TPH (EPA 3550)								

CoC	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16
Benzene								
Toluene								
Ethylbenzene								
Xylenes								
Naphthalene								
Benzo(a)anthracene								
Benzo(b)flouranthene								
Benzo(k)flouranthene								
Chrysene								
Dibenz(a,h)anthracene								
TPH (EPA 3550)								

SUMMARY OF ANALYSIS RESULTS (cont'd) N/A

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	.05				
Lead	Site specific				

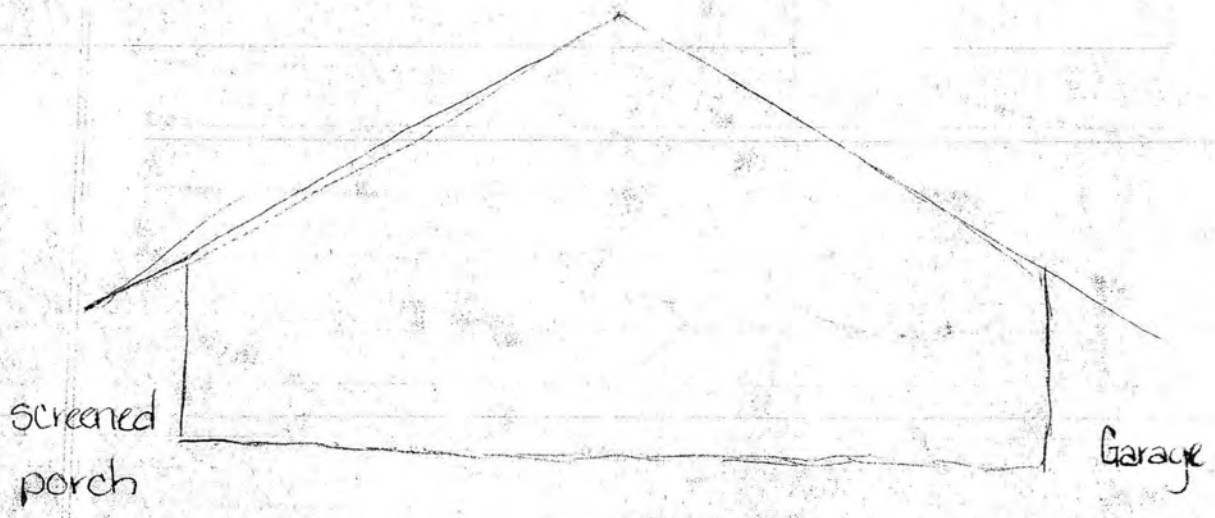
ANALYTICAL RESULTS

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)

435

Elderberry



size of tank 5ft
length of hole 10ft 8in
depth " " 7' 7"
measurement house to center of tank 4ft
width of hole 7'4"

© Stowe Farms
Shed -
849 Main Road


435 Elderberry

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-651-2560 * Fax 407-856-0886

August 24, 2006

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465

Attn: JOHN MAHONEY

Work Order: OPH0256
Project Name: LAUREL BAY
Project Number: EP2362
Date Received: 08/12/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
435 ELDERBERRY	OPH0256-01	08/08/06 14:00
435 SW	OPH0256-02	08/08/06 14:05
437 ELDERBERRY	OPH0256-03	08/09/06 10:00
437 SW	OPH0256-04	08/09/06 10:05
447 ELDERBERRY	OPH0256-05	08/09/06 15:55
447 SW	OPH0256-06	08/09/06 16:00
764 ALTHEA	OPH0256-07	08/10/06 10:45
764 SW	OPH0256-08	08/10/06 10:50

Samples were received into laboratory at a temperature of 5.20 °C.

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. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Results are reported on a wet weight basis unless otherwise noted

The reported results were obtained in compliance with 2003 NELAC standards unless otherwise noted.

South Carolina Certification Number: 96012001

Approved By:

TestAmerica - Orlando, FL
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-651-2560 * Fax 407-856-0886

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT
Sample ID: 435 ELDERBERRY - Lab Number: OPH0256-01 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**86.8**		%	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	9.41	U	ug/kg dry	9.41	25.7	50	08/14/06 15:38	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**43.2**		ug/kg dry	10.9	25.7	50	08/14/06 15:38	JLS	EPA 8260B	6H15026
91-20-3	**Naphthalene**	**1550**		ug/kg dry	14.2	25.7	50	08/14/06 15:38	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**29.8**		ug/kg dry	22.2	25.7	50	08/14/06 15:38	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**25.7**	J4	ug/kg dry	13.4	25.7	50	08/14/06 15:38	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*95 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*95 %*									
Surrogate: Dibromofluoromethane (55-145%)		*100 %*									
Surrogate: Toluene-d8 (80-117%)		*101 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	**Acenaphthene**	**270**		ug/kg dry	85.3	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	113	U	ug/kg dry	113	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
120-12-7	**Anthracene**	**1810**		ug/kg dry	61.3	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
56-55-3	**Benzo (a) anthracene**	**98.7**	I	ug/kg dry	20.8	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
205-99-2	Benzo (b) fluoranthene	20.3	U	ug/kg dry	20.3	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
207-08-9	Benzo (k) fluoranthene	20.3	U	ug/kg dry	20.3	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
191-24-2	Benzo (g,h,i) perylene	20.0	U	ug/kg dry	20.0	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
50-32-8	Benzo (a) pyrene	23.7	U	ug/kg dry	23.7	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
90-12-0	**1-Methylnaphthalene**	**1730**		ug/kg dry	96.6	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
218-01-9	**Chrysene**	**120**	I	ug/kg dry	23.0	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	25.3	U	ug/kg dry	25.3	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
206-44-0	**Fluoranthene**	**334**		ug/kg dry	27.7	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
86-73-7	Fluorene	75.3	U	ug/kg dry	75.3	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
193-39-5	Indeno (1,2,3-cd) pyrene	24.9	U	ug/kg dry	24.9	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
91-57-6	**2-Methylnaphthalene**	**2460**		ug/kg dry	82.0	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
91-20-3	Naphthalene	77.3	U	ug/kg dry	77.3	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
85-01-8	**Phenanthrene**	**1790**		ug/kg dry	45.4	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
129-00-0	**Pyrene**	**395**		ug/kg dry	39.1	192	1	08/21/06 20:18	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*75 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*47 %*									
Surrogate: Terphenyl-d14 (44-171%)		*103 %*									

LABORATORY REPORT
Sample ID: 435 SW - Lab Number: OPH0256-02 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**73.1**		%	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**0.375**	I	ug/kg dry	0.222	0.605	1	08/14/06 13:40	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**2.11**		ug/kg dry	0.256	0.605	1	08/14/06 13:40	JLS	EPA 8260B	6H15026

TestAmerica - Orlando, FL
Shali Brown
Project Manager

Client: EPG, INC.
PO BOX 1096
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Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT
Sample ID: 435 SW - Lab Number: OPH0256-02 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B - Cont.											
91-20-3	**Naphthalene**	**15.1**		ug/kg dry	0.334	0.605	1	08/14/06 13:40	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**2.49**		ug/kg dry	0.523	0.605	1	08/14/06 13:40	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**7.74**		ug/kg dry	0.314	0.605	1	08/14/06 13:40	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*120 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*67 %*									
Surrogate: Dibromofluoromethane (55-145%)		*111 %*									
Surrogate: Toluene-d8 (80-117%)		*87 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	**Acenaphthene**	**1300**		ug/kg dry	101	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	134	U	ug/kg dry	134	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
120-12-7	Anthracene	72.8	U	ug/kg dry	72.8	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
56-55-3	**Benzo (a) anthracene**	**1070**		ug/kg dry	24.7	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
205-99-2	**Benzo (b) fluoranthene**	**904**		ug/kg dry	24.0	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
207-08-9	**Benzo (k) fluoranthene**	**943**		ug/kg dry	24.0	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
191-24-2	Benzo (g,h,i) perylene	23.7	U	ug/kg dry	23.7	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
50-32-8	**Benzo (a) pyrene**	**416**		ug/kg dry	28.1	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
90-12-0	1-Methylnaphthalene	115	U	ug/kg dry	115	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
218-01-9	**Chrysene**	**1420**		ug/kg dry	27.3	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	30.0	U	ug/kg dry	30.0	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
206-44-0	**Fluoranthene**	**674**		ug/kg dry	32.9	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
86-73-7	Fluorene	89.4	U	ug/kg dry	89.4	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
193-39-5	**Indeno (1,2,3-cd) pyrene**	**158**	I	ug/kg dry	29.6	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
91-57-6	2-Methylnaphthalene	97.4	U	ug/kg dry	97.4	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
91-20-3	Naphthalene	91.7	U	ug/kg dry	91.7	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
85-01-8	**Phenanthrene**	**252**		ug/kg dry	53.9	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
129-00-0	**Pyrene**	**1700**		ug/kg dry	46.4	228	1	08/21/06 20:46	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*82 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*45 %*									
Surrogate: Terphenyl-d14 (44-171%)		*58 %*									

LABORATORY REPORT
Sample ID: 437 ELDERBERRY - Lab Number: OPH0256-03 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**81.0**		%.	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	8.92	U	ug/kg dry	8.92	24.4	50	08/14/06 16:24	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**491**		ug/kg dry	10.3	24.4	50	08/14/06 16:24	JLS	EPA 8260B	6H15026
91-20-3	**Naphthalene**	**3310**		ug/kg dry	13.5	24.4	50	08/14/06 16:24	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**25.8**		ug/kg dry	21.1	24.4	50	08/14/06 16:24	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**628**		ug/kg dry	12.7	24.4	50	08/14/06 16:24	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*97 %*									

Client: EPG, INC.
PO BOX 1096
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Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT
Sample ID: 437 ELDERBERRY - Lab Number: OPH0256-03 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B - Cont.											
Surrogate: 4-Bromofluorobenzene (59-118%)		*101 %*									
Surrogate: Dibromofluoromethane (55-145%)		*100 %*									
Surrogate: Toluene-d8 (80-117%)		*100 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	**Acenaphthene**	**1360**	I	ug/kg dry	914	2060	10	08/21/06 21:14	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	121	U	ug/kg dry	121	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
120-12-7	Anthracene	657	U	ug/kg dry	657	2060	10	08/21/06 21:14	LCS	EPA 8270C	6H16011
56-55-3	**Benzo (a) anthracene**	**1150**	I	ug/kg dry	223	2060	10	08/23/06 01:22	LCS	EPA 8270C	6H16011
205-99-2	**Benzo (b) fluoranthene**	**213**		ug/kg dry	21.7	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
207-08-9	**Benzo (k) fluoranthene**	**223**		ug/kg dry	21.7	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
191-24-2	Benzo (g,h,i) perylene	21.4	U	ug/kg dry	21.4	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
50-32-8	Benzo (a) pyrene	25.4	U	ug/kg dry	25.4	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
90-12-0	1-Methylnaphthalene	1030	U	ug/kg dry	1030	2060	10	08/21/06 21:14	LCS	EPA 8270C	6H16011
218-01-9	**Chrysene**	**1470**	I	ug/kg dry	247	2060	10	08/21/06 21:14	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	27.1	U	ug/kg dry	27.1	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
206-44-0	**Fluoranthene**	**1580**	I	ug/kg dry	297	2060	10	08/21/06 21:14	LCS	EPA 8270C	6H16011
86-73-7	**Fluorene**	**1560**		ug/kg dry	80.7	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
193-39-5	Indeno (1,2,3-cd) pyrene	26.7	U	ug/kg dry	26.7	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
91-57-6	2-Methylnaphthalene	87.9	U	ug/kg dry	87.9	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
91-20-3	Naphthalene	82.8	U	ug/kg dry	82.8	206	1	08/21/06 21:14	LCS	EPA 8270C	6H16011
85-01-8	Phenanthrene	486	U	ug/kg dry	486	2060	10	08/21/06 21:14	LCS	EPA 8270C	6H16011
129-00-0	**Pyrene**	**2160**		ug/kg dry	419	2060	10	08/23/06 01:22	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*78 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*90 %*									
Surrogate: Terphenyl-d14 (44-171%)		*95 %*									

LABORATORY REPORT
Sample ID: 437 SW - Lab Number: OPH0256-04 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**89.4**		%	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**2.30**		ug/kg dry	0.156	0.425	1	08/15/06 09:55	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**27.1**		ug/kg dry	0.180	0.425	1	08/15/06 09:55	JLS	EPA 8260B	6H15026
91-20-3	**Naphthalene**	**93.3**		ug/kg dry	0.235	0.425	1	08/15/06 09:55	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**2.02**		ug/kg dry	0.367	0.425	1	08/15/06 09:55	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**74.6**		ug/kg dry	0.221	0.425	1	08/15/06 09:55	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*115 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*102 %*									
Surrogate: Dibromofluoromethane (55-145%)		*106 %*									
Surrogate: Toluene-d8 (80-117%)		*103 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											

Client: EPG, INC.
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Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT
Sample ID: 437 SW - Lab Number: OPH0256-04 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	**Acenaphthene**	**128**	I	ug/kg dry	82.8	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	109	U	ug/kg dry	109	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
120-12-7	**Anthracene**	**313**		ug/kg dry	59.6	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
56-55-3	Benzo (a) anthracene	20.2	U	ug/kg dry	20.2	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
205-99-2	Benzo (b) fluoranthene	19.7	U	ug/kg dry	19.7	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
207-08-9	Benzo (k) fluoranthene	19.7	U	ug/kg dry	19.7	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
191-24-2	Benzo (g,h,i) perylene	19.4	U	ug/kg dry	19.4	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
50-32-8	Benzo (a) pyrene	23.0	U	ug/kg dry	23.0	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
90-12-0	**1-Methylnaphthalene**	**593**		ug/kg dry	93.8	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
218-01-9	Chrysene	22.3	U	ug/kg dry	22.3	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	24.5	U	ug/kg dry	24.5	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
206-44-0	**Fluoranthene**	**40.3**	I	ug/kg dry	26.9	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
86-73-7	Fluorene	73.1	U	ug/kg dry	73.1	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
193-39-5	Indeno (1,2,3-cd) pyrene	24.2	U	ug/kg dry	24.2	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
91-57-6	**2-Methylnaphthalene**	**749**		ug/kg dry	79.6	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
91-20-3	**Naphthalene**	**132**	I	ug/kg dry	75.0	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
85-01-8	**Phenanthrene**	**309**		ug/kg dry	44.1	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
129-00-0	Pyrene	38.0	U	ug/kg dry	38.0	187	1	08/22/06 13:23	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*105 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*72 %*									
Surrogate: Terphenyl-d14 (44-171%)		*114 %*									

LABORATORY REPORT
Sample ID: 447 ELDERBERRY - Lab Number: OPH0256-05 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**90.7**		%.	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.180	U	ug/kg dry	0.180	0.491	1	08/14/06 13:57	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**0.481**	I	ug/kg dry	0.208	0.491	1	08/14/06 13:57	JLS	EPA 8260B	6H15026
91-20-3	**Naphthalene**	**4.38**	J4	ug/kg dry	0.271	0.491	1	08/14/06 13:57	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**1.24**		ug/kg dry	0.424	0.491	1	08/14/06 13:57	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**2.03**		ug/kg dry	0.255	0.491	1	08/14/06 13:57	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*119 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*76 %*									
Surrogate: Dibromofluoromethane (55-145%)		*110 %*									
Surrogate: Toluene-d8 (80-117%)		*88 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	81.6	U	ug/kg dry	81.6	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	108	U	ug/kg dry	108	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
120-12-7	Anthracene	58.7	MHA,U	ug/kg dry	58.7	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
56-55-3	**Benzo (a) anthracene**	**242**		ug/kg dry	19.9	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-651-2560 * Fax 407-856-0686

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT
Sample ID: 447 ELDERBERRY - Lab Number: OPH0256-05 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
205-99-2	**Benzo (b) fluoranthene**	**809**	J4	ug/kg dry	19.4	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
207-08-9	**Benzo (k) fluoranthene**	**843**	MHA	ug/kg dry	19.4	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
191-24-2	**Benzo (g,h,i) perylene**	**1750**	J4	ug/kg dry	19.1	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
50-32-8	**Benzo (a) pyrene**	**2470**	MHA	ug/kg dry	22.7	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
90-12-0	1-Methylnaphthalene	92.4	U	ug/kg dry	92.4	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
218-01-9	**Chrysene**	**870**	J4	ug/kg dry	22.0	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	24.2	U	ug/kg dry	24.2	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
206-44-0	**Fluoranthene**	**164**	MHA,I	ug/kg dry	26.5	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
86-73-7	Fluorene	72.1	U	ug/kg dry	72.1	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
193-39-5	**Indeno (1,2,3-cd) pyrene**	**1610**		ug/kg dry	23.8	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
91-57-6	2-Methylnaphthalene	78.5	U	ug/kg dry	78.5	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
91-20-3	Naphthalene	73.9	U	ug/kg dry	73.9	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
85-01-8	**Phenanthrene**	**94.1**	MHA,I	ug/kg dry	43.4	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
129-00-0	**Pyrene**	**843**		ug/kg dry	37.4	184	1	08/22/06 13:51	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*47 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*56 %*									
Surrogate: Terphenyl-d14 (44-171%)		*92 %*									

LABORATORY REPORT
Sample ID: 447 SW - Lab Number: OPH0256-06 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**92.7**		%	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**0.212**	I	ug/kg dry	0.184	0.504	1	08/14/06 14:15	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**0.403**	I	ug/kg dry	0.213	0.504	1	08/14/06 14:15	JLS	EPA 8260B	6H15026
91-20-3	Naphthalene	0.278	U	ug/kg dry	0.278	0.504	1	08/14/06 14:15	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**1.61**		ug/kg dry	0.435	0.504	1	08/14/06 14:15	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**2.01**		ug/kg dry	0.262	0.504	1	08/14/06 14:15	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*114 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*92 %*									
Surrogate: Dibromofluoromethane (55-145%)		*106 %*									
Surrogate: Toluene-d8 (80-117%)		*100 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.8	U	ug/kg dry	79.8	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
120-12-7	Anthracene	57.4	U	ug/kg dry	57.4	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
56-55-3	**Benzo (a) anthracene**	**125**	I	ug/kg dry	19.5	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
205-99-2	**Benzo (b) fluoranthene**	**148**	I	ug/kg dry	19.0	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
207-08-9	**Benzo (k) fluoranthene**	**154**	I	ug/kg dry	19.0	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
191-24-2	**Benzo (g,h,i) perylene**	**819**		ug/kg dry	18.7	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
50-32-8	**Benzo (a) pyrene**	**950**		ug/kg dry	22.2	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011

TestAmerica - Orlando, FL
Shali Brown
Project Manager

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ANALYTICAL TESTING CORPORATION
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Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT
Sample ID: 447 SW - Lab Number: OPH0256-06 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
90-12-0	1-Methylnaphthalene	90.4	U	ug/kg dry	90.4	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
218-01-9	**Chrysene**	**138**	I	ug/kg dry	21.6	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	23.7	U	ug/kg dry	23.7	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
86-73-7	Fluorene	70.5	U	ug/kg dry	70.5	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
193-39-5	**Indeno (1,2,3-cd) pyrene**	**700**		ug/kg dry	23.3	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
91-57-6	2-Methylnaphthalene	76.8	U	ug/kg dry	76.8	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
91-20-3	Naphthalene	72.3	U	ug/kg dry	72.3	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
85-01-8	Phenanthrene	42.5	U	ug/kg dry	42.5	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
129-00-0	Pyrene	36.6	U	ug/kg dry	36.6	180	1	08/22/06 14:19	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*66 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*64 %*									
Surrogate: Terphenyl-d14 (44-171%)		*103 %*									

LABORATORY REPORT
Sample ID: 764 ALTHEA - Lab Number: OPH0256-07 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**77.2**		%.	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**13.6**		ug/kg dry	0.178	0.488	1	08/14/06 14:35	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**9.72**		ug/kg dry	0.206	0.488	1	08/14/06 14:35	JLS	EPA 8260B	6H15026
91-20-3	**Naphthalene**	**142**		ug/kg dry	0.269	0.488	1	08/14/06 14:35	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**1.40**		ug/kg dry	0.421	0.488	1	08/14/06 14:35	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**1.63**		ug/kg dry	0.253	0.488	1	08/14/06 14:35	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*116 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*106 %*									
Surrogate: Dibromofluoromethane (55-145%)		*108 %*									
Surrogate: Toluene-d8 (80-117%)		*102 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	**Acenaphthene**	**149**	I	ug/kg dry	95.9	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	127	U	ug/kg dry	127	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
120-12-7	Anthracene	69.0	U	ug/kg dry	69.0	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
56-55-3	Benzo (a) anthracene	23.4	U	ug/kg dry	23.4	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
205-99-2	Benzo (b) fluoranthene	22.8	U	ug/kg dry	22.8	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
207-08-9	Benzo (k) fluoranthene	22.8	U	ug/kg dry	22.8	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
191-24-2	Benzo (g,h,i) perylene	22.4	U	ug/kg dry	22.4	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
50-32-8	Benzo (a) pyrene	26.6	U	ug/kg dry	26.6	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
90-12-0	1-Methylnaphthalene	109	U	ug/kg dry	109	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
218-01-9	Chrysene	25.9	U	ug/kg dry	25.9	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	28.4	U	ug/kg dry	28.4	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
206-44-0	Fluoranthene	31.1	U	ug/kg dry	31.1	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT
Sample ID: 764 ALTHEA - Lab Number: OPH0256-07 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
86-73-7	Fluorene	84.7	U	ug/kg dry	84.7	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
193-39-5	Indeno (1,2,3-cd) pyrene	28.0	U	ug/kg dry	28.0	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
91-57-6	2-Methylnaphthalene	92.2	U	ug/kg dry	92.2	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
91-20-3	**Naphthalene**	**108**	I	ug/kg dry	86.9	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
85-01-8	**Phenanthrene**	**191**	I	ug/kg dry	51.0	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
129-00-0	Pyrene	44.0	U	ug/kg dry	44.0	216	1	08/22/06 14:47	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*88 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*76 %*									
Surrogate: Terphenyl-d14 (44-171%)		*109 %*									

LABORATORY REPORT
Sample ID: 764 SW - Lab Number: OPH0256-08 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**79.4**		%.	0.100	0.100	1	08/14/06 14:00	AKA	EPA 160.3	6H14053
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**0.689**		ug/kg dry	0.217	0.594	1	08/14/06 14:56	JLS	EPA 8260B	6H15026
100-41-4	**Ethylbenzene**	**3.29**		ug/kg dry	0.251	0.594	1	08/14/06 14:56	JLS	EPA 8260B	6H15026
91-20-3	**Naphthalene**	**132**		ug/kg dry	0.328	0.594	1	08/14/06 14:56	JLS	EPA 8260B	6H15026
108-88-3	**Toluene**	**3.53**		ug/kg dry	0.513	0.594	1	08/14/06 14:56	JLS	EPA 8260B	6H15026
1330-20-7	**Xylenes, total**	**9.86**		ug/kg dry	0.309	0.594	1	08/14/06 14:56	JLS	EPA 8260B	6H15026
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*129 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*81 %*									
Surrogate: Dibromofluoromethane (55-145%)		*115 %*									
Surrogate: Toluene-d8 (80-117%)		*86 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	**Acenaphthene**	**398**		ug/kg dry	93.2	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
208-96-8	Acenaphthylene	123	U	ug/kg dry	123	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
120-12-7	**Anthracene**	**139**	I	ug/kg dry	67.1	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
56-55-3	**Benzo (a) anthracene**	**1390**		ug/kg dry	22.8	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
205-99-2	**Benzo (b) fluoranthene**	**1980**		ug/kg dry	22.1	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
207-08-9	**Benzo (k) fluoranthene**	**2060**		ug/kg dry	22.1	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
191-24-2	**Benzo (g,h,i) perylene**	**757**		ug/kg dry	21.8	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
50-32-8	**Benzo (a) pyrene**	**1130**		ug/kg dry	25.9	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
90-12-0	**1-Methylnaphthalene**	**1170**		ug/kg dry	106	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
218-01-9	**Chrysene**	**1990**		ug/kg dry	25.2	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
53-70-3	Dibenz (a,h) anthracene	27.6	U	ug/kg dry	27.6	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
206-44-0	**Fluoranthene**	**963**		ug/kg dry	30.3	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
86-73-7	Fluorene	82.3	U	ug/kg dry	82.3	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
193-39-5	**Indeno (1,2,3-cd) pyrene**	**736**		ug/kg dry	27.2	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
91-57-6	**2-Methylnaphthalene**	**398**		ug/kg dry	89.7	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
91-20-3	Naphthalene	84.5	U	ug/kg dry	84.5	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0886

Client: EPG, INC.
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MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

LABORATORY REPORT

Sample ID: 764 SW - Lab Number: OPH0256-08 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
85-01-8	**Phenanthrene**	**1180**		ug/kg dry	49.6	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
129-00-0	**Pyrene**	**2860**		ug/kg dry	42.7	210	1	08/22/06 15:15	LCS	EPA 8270C	6H16011
Surrogate: 2-Fluorobiphenyl (24-121%)		*65 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*34 %*									
Surrogate: Terphenyl-d14 (44-171%)		*75 %*									

TestAmerica - Orlando, FL
Shali Brown
Project Manager

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Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

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Received: 08/12/06

SAMPLE EXTRACTION DATA

Parameter	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Method
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-01	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-02	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-03	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-04	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-05	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-06	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-07	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0256-08	30.0 g	1.0 mL	08/16/2006	PXN	EPA 3545 MS

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Sampled: 08/08/06-08/10/06
Received: 08/12/06

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
General Chemistry Parameters					
% Solids	0.100	U	%.	6H14053	6H14053-BLK1
Volatile Organic Compounds by EPA Method 8260B					
Benzene	0.183	U	ug/kg wet	6H15026	6H15026-BLK1
Benzene	0.183	U	ug/kg wet	6H15026	6H15026-BLK2
Ethylbenzene	0.212	U	ug/kg wet	6H15026	6H15026-BLK2
Ethylbenzene	0.212	U	ug/kg wet	6H15026	6H15026-BLK1
Naphthalene	0.276	U	ug/kg wet	6H15026	6H15026-BLK2
Naphthalene	0.276	U	ug/kg wet	6H15026	6H15026-BLK1
Toluene	0.432	U	ug/kg wet	6H15026	6H15026-BLK2
Toluene	0.432	U	ug/kg wet	6H15026	6H15026-BLK1
Xylenes, total	0.260	U	ug/kg wet	6H15026	6H15026-BLK1
Xylenes, total	0.260	U	ug/kg wet	6H15026	6H15026-BLK2
Surrogate: 1,2-Dichloroethane-d4	49.3		ug/kg wet	6H15026	6H15026-BLK2
Surrogate: 1,2-Dichloroethane-d4	50.9		ug/kg wet	6H15026	6H15026-BLK1
Surrogate: 4-Bromofluorobenzene	49.8		ug/kg wet	6H15026	6H15026-BLK1
Surrogate: 4-Bromofluorobenzene	51.1		ug/kg wet	6H15026	6H15026-BLK2
Surrogate: Dibromofluoromethane	51.4		ug/kg wet	6H15026	6H15026-BLK1
Surrogate: Dibromofluoromethane	51.0		ug/kg wet	6H15026	6H15026-BLK2
Surrogate: Toluene-d8	50.6		ug/kg wet	6H15026	6H15026-BLK1
Surrogate: Toluene-d8	50.7		ug/kg wet	6H15026	6H15026-BLK2
Polynuclear Aromatic Hydrocarbons by EPA Method 8270					
Acenaphthene	74.0	U	ug/kg wet	6H16011	6H16011-BLK1
Acenaphthylene	97.7	U	ug/kg wet	6H16011	6H16011-BLK1
Anthracene	53.2	U	ug/kg wet	6H16011	6H16011-BLK1
Benzo (a) anthracene	18.1	U	ug/kg wet	6H16011	6H16011-BLK1
Benzo (b) fluoranthene	17.6	U	ug/kg wet	6H16011	6H16011-BLK1
Benzo (k) fluoranthene	17.6	U	ug/kg wet	6H16011	6H16011-BLK1
Benzo (g,h,i) perylene	17.3	U	ug/kg wet	6H16011	6H16011-BLK1
Benzo (a) pyrene	20.6	U	ug/kg wet	6H16011	6H16011-BLK1
1-Methylnaphthalene	83.8	U	ug/kg wet	6H16011	6H16011-BLK1
Chrysene	20.0	U	ug/kg wet	6H16011	6H16011-BLK1
Dibenz (a,h) anthracene	21.9	U	ug/kg wet	6H16011	6H16011-BLK1
Fluoranthene	24.0	U	ug/kg wet	6H16011	6H16011-BLK1
Fluorene	65.4	U	ug/kg wet	6H16011	6H16011-BLK1
Indeno (1,2,3-cd) pyrene	21.6	U	ug/kg wet	6H16011	6H16011-BLK1
2-Methylnaphthalene	71.2	U	ug/kg wet	6H16011	6H16011-BLK1
Naphthalene	67.1	U	ug/kg wet	6H16011	6H16011-BLK1
Phenanthrene	39.4	U	ug/kg wet	6H16011	6H16011-BLK1
Pyrene	33.9	U	ug/kg wet	6H16011	6H16011-BLK1
Surrogate: 2-Fluorobiphenyl	2670		ug/kg wet	6H16011	6H16011-BLK1
Surrogate: Nitrobenzene-d5	2330		ug/kg wet	6H16011	6H16011-BLK1

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
Polynuclear Aromatic Hydrocarbons by EPA Method 8270					
Surrogate: Terphenyl-d14	3220		ug/kg wet	6H16011	6H16011-BLK1

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
General Chemistry Parameters								
% Solids	86.8	86.2		%.	0.7	15.9	6H14053	OPH0256-01
Volatile Organic Compounds by EPA Method 8260B								
Benzene	203	212		ug/kg dry	4	30	6H15026	OPH0230-05
Benzene	<9.41	9.41	U	ug/kg dry		30	6H15026	OPH0256-01
Ethylbenzene	43.2	46.8		ug/kg dry	8	30	6H15026	OPH0256-01
Ethylbenzene	1490	1490		ug/kg dry	0	30	6H15026	OPH0230-05
Naphthalene	170	172		ug/kg dry	1	30	6H15026	OPH0230-05
Naphthalene	1550	1920		ug/kg dry	21	30	6H15026	OPH0256-01
Toluene	29.8	30.9		ug/kg dry	4	30	6H15026	OPH0256-01
Toluene	1420	1430		ug/kg dry	0.7	30	6H15026	OPH0230-05
Xylenes, total	6210	6280		ug/kg dry	1	30	6H15026	OPH0230-05
Xylenes, total	25.7	17.5	J4,I	ug/kg dry	38	30	6H15026	OPH0256-01
Surrogate: 1,2-Dichloroethane-d4		48.2		ug/kg dry			6H15026	OPH0256-01
Surrogate: 1,2-Dichloroethane-d4		49.0		ug/kg dry			6H15026	OPH0230-05
Surrogate: 4-Bromofluorobenzene		47.2		ug/kg dry			6H15026	OPH0256-01
Surrogate: 4-Bromofluorobenzene		50.7		ug/kg dry			6H15026	OPH0230-05
Surrogate: Dibromofluoromethane		48.9		ug/kg dry			6H15026	OPH0230-05
Surrogate: Dibromofluoromethane		49.9		ug/kg dry			6H15026	OPH0256-01
Surrogate: Toluene-d8		49.9		ug/kg dry			6H15026	OPH0256-01
Surrogate: Toluene-d8		49.8		ug/kg dry			6H15026	OPH0230-05

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-651-2560 * Fax 407-656-0886

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
General Chemistry Parameters							
% Solids	380	360		%.	95	90 - 110	6H14053
Volatile Organic Compounds by EPA Method 8260B							
Benzene	50.0	48.1		ug/kg wet	96	84 - 113	6H15026
Benzene	50.0	50.4		ug/kg wet	101	84 - 113	6H15026
Ethylbenzene	50.0	49.6		ug/kg wet	99	85 - 124	6H15026
Ethylbenzene	50.0	43.6		ug/kg wet	87	85 - 124	6H15026
Naphthalene	50.0	47.6		ug/kg wet	95	90 - 137	6H15026
Naphthalene	50.0	50.2		ug/kg wet	100	90 - 137	6H15026
Toluene	50.0	46.5		ug/kg wet	93	82 - 112	6H15026
Toluene	50.0	51.0		ug/kg wet	102	82 - 112	6H15026
Xylenes, total	150	134		ug/kg wet	89	84 - 127	6H15026
Xylenes, total	150	153		ug/kg wet	102	84 - 127	6H15026
Surrogate: 1,2-Dichloroethane-d4	50.0	49.4		ug/kg wet	99	73 - 137	6H15026
Surrogate: 1,2-Dichloroethane-d4	50.0	50.8		ug/kg wet	102	73 - 137	6H15026
Surrogate: 4-Bromofluorobenzene	50.0	50.0		ug/kg wet	100	59 - 118	6H15026
Surrogate: 4-Bromofluorobenzene	50.0	50.8		ug/kg wet	102	59 - 118	6H15026
Surrogate: Dibromofluoromethane	50.0	50.9		ug/kg wet	102	55 - 145	6H15026
Surrogate: Dibromofluoromethane	50.0	50.0		ug/kg wet	100	55 - 145	6H15026
Surrogate: Toluene-d8	50.0	51.0		ug/kg wet	102	80 - 117	6H15026
Surrogate: Toluene-d8	50.0	51.0		ug/kg wet	102	80 - 117	6H15026
Polynuclear Aromatic Hydrocarbons by EPA Method 8270							
Acenaphthene	3330	2550		ug/kg wet	77	51 - 124	6H16011
Acenaphthylene	3330	2880		ug/kg wet	86	58 - 124	6H16011
Anthracene	3330	2850		ug/kg wet	86	61 - 122	6H16011
Benzo (a) anthracene	3330	2660		ug/kg wet	80	51 - 139	6H16011
Benzo (b) fluoranthene	3330	2720		ug/kg wet	82	57 - 129	6H16011
Benzo (k) fluoranthene	3330	2510		ug/kg wet	75	53 - 127	6H16011
Benzo (g,h,i) perylene	3330	2840		ug/kg wet	85	34 - 123	6H16011
Benzo (a) pyrene	3330	2490		ug/kg wet	75	65 - 109	6H16011
1-Methylnaphthalene	3330	2440		ug/kg wet	73	18 - 115	6H16011
Chrysene	3330	2690		ug/kg wet	81	55 - 130	6H16011
Dibenz (a,h) anthracene	3330	2820		ug/kg wet	85	48 - 125	6H16011
Fluoranthene	3330	2930		ug/kg wet	88	58 - 129	6H16011
Fluorene	3330	2990		ug/kg wet	90	61 - 128	6H16011
Indeno (1,2,3-cd) pyrene	3330	2950		ug/kg wet	89	44 - 126	6H16011
2-Methylnaphthalene	3330	2650		ug/kg wet	80	20 - 125	6H16011
Naphthalene	3330	2400		ug/kg wet	72	23 - 118	6H16011
Phenanthrene	3330	2840		ug/kg wet	85	61 - 120	6H16011
Pyrene	3330	3270		ug/kg wet	98	45 - 141	6H16011

TestAmerica - Orlando, FL
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0886

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270							
Surrogate: 2-Fluorobiphenyl	3330	3060		ug/kg wet	92	24 - 121	6H16011
Surrogate: Nitrobenzene-d5	3330	2530		ug/kg wet	76	19 - 111	6H16011
Surrogate: Terphenyl-d14	3330	3500		ug/kg wet	105	44 - 171	6H16011

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Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
Volatile Organic Compounds by EPA Method 8260B									
Benzene	<0.183	13.4		ug/kg dry	50.0	27	18 - 126	6H15026	OPH0230-01
Benzene	<0.183	17.1		ug/kg dry	50.0	34	18 - 126	6H15026	OPH0256-05
Ethylbenzene	<0.212	10.5		ug/kg dry	50.0	21	12 - 120	6H15026	OPH0230-01
Ethylbenzene	0.430	7.66		ug/kg dry	50.0	14	12 - 120	6H15026	OPH0256-05
Naphthalene	3.91	4.51	J4	ug/kg dry	50.0	1	10 - 125	6H15026	OPH0256-05
Naphthalene	<0.276	13.0		ug/kg dry	50.0	26	10 - 125	6H15026	OPH0230-01
Toluene	0.770	12.6		ug/kg dry	50.0	24	10 - 130	6H15026	OPH0230-01
Toluene	1.11	11.6		ug/kg dry	50.0	21	10 - 130	6H15026	OPH0256-05
Xylenes, total	1.82	22.2		ug/kg dry	150	14	10 - 126	6H15026	OPH0256-05
Xylenes, total	0.400	31.5		ug/kg dry	150	21	10 - 126	6H15026	OPH0230-01
Surrogate: 1,2-Dichloroethane-d4		57.6		ug/kg dry	50.0	115	73 - 137	6H15026	OPH0230-01
Surrogate: 1,2-Dichloroethane-d4		58.4		ug/kg dry	50.0	117	73 - 137	6H15026	OPH0256-05
Surrogate: 4-Bromofluorobenzene		47.1		ug/kg dry	50.0	94	59 - 118	6H15026	OPH0256-05
Surrogate: 4-Bromofluorobenzene		51.5		ug/kg dry	50.0	103	59 - 118	6H15026	OPH0230-01
Surrogate: Dibromofluoromethane		53.3		ug/kg dry	50.0	107	55 - 145	6H15026	OPH0256-05
Surrogate: Dibromofluoromethane		31.9		ug/kg dry	50.0	64	55 - 145	6H15026	OPH0230-01
Surrogate: Toluene-d8		52.2		ug/kg dry	50.0	104	80 - 117	6H15026	OPH0230-01
Surrogate: Toluene-d8		50.2		ug/kg dry	50.0	100	80 - 117	6H15026	OPH0256-05
Polynuclear Aromatic Hydrocarbons by EPA Method 8270									
Acenaphthene	<81.6	2130		ug/kg dry	3680	58	40 - 125	6H16011	OPH0256-05
Acenaphthylene	<108	2400		ug/kg dry	3680	65	44 - 125	6H16011	OPH0256-05
Anthracene	<58.7	182000	MHA	ug/kg dry	3680	4946	53 - 121	6H16011	OPH0256-05
Benzo (a) anthracene	242	2530		ug/kg dry	3680	62	46 - 135	6H16011	OPH0256-05
Benzo (b) fluoranthene	809	2680		ug/kg dry	3680	51	44 - 136	6H16011	OPH0256-05
Benzo (k) fluoranthene	843	1930	J4	ug/kg dry	3680	30	43 - 131	6H16011	OPH0256-05
Benzo (g,h,i) perylene	1750	5370		ug/kg dry	3680	98	34 - 123	6H16011	OPH0256-05
Benzo (a) pyrene	2470	2420	J4	ug/kg dry	3680	-1	51 - 115	6H16011	OPH0256-05
1-Methylnaphthalene	<92.4	2590		ug/kg dry	3680	70	11 - 112	6H16011	OPH0256-05
Chrysene	870	3210		ug/kg dry	3680	64	48 - 126	6H16011	OPH0256-05
Dibenz (a,h) anthracene	<24.2	3630		ug/kg dry	3680	99	38 - 119	6H16011	OPH0256-05
Fluoranthene	164	98600	MHA	ug/kg dry	3680	2675	33 - 138	6H16011	OPH0256-05
Fluorene	<72.1	2120		ug/kg dry	3680	58	48 - 128	6H16011	OPH0256-05
Indeno (1,2,3-cd) pyrene	1610	5170		ug/kg dry	3680	97	37 - 117	6H16011	OPH0256-05
2-Methylnaphthalene	<78.5	2680		ug/kg dry	3680	73	11 - 122	6H16011	OPH0256-05
Naphthalene	<73.9	2300		ug/kg dry	3680	62	15 - 116	6H16011	OPH0256-05
Phenanthrene	94.1	172000	MHA	ug/kg dry	3680	4671	52 - 123	6H16011	OPH0256-05
Pyrene	843	4020		ug/kg dry	3680	86	31 - 155	6H16011	OPH0256-05
Surrogate: 2-Fluorobiphenyl		1940		ug/kg dry	3680	53	24 - 121	6H16011	OPH0256-05
Surrogate: Nitrobenzene-d5		2380		ug/kg dry	3680	65	19 - 111	6H16011	OPH0256-05

TestAmerica - Orlando, FL
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-651-2560 * Fax 407-856-0886

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OPH0256
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/08/06-08/10/06
Received: 08/12/06

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
Polynuclear Aromatic Hydrocarbons by EPA Method 8270									
Surrogate: Terphenyl-d14		3550		ug/kg dry	3680	96	44 - 171	6H16011	OPH0256-05

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
Polynuclear Aromatic Hydrocarbons by EPA Method 8270										
Acenaphthene	<81.6	1700		ug/kg dry	3680	46	22	60	6H16011	OPH0256-05
Acenaphthylene	<108	1730		ug/kg dry	3680	47	32	51	6H16011	OPH0256-05
Anthracene	<58.7	1860	MHA	ug/kg dry	3680	51	196	60	6H16011	OPH0256-05
Benzo (a) anthracene	242	1930		ug/kg dry	3680	46	27	46	6H16011	OPH0256-05
Benzo (b) fluoranthene	809	2280	J4	ug/kg dry	3680	40	16	60	6H16011	OPH0256-05
Benzo (k) fluoranthene	843	1470	MHA	ug/kg dry	3680	17	27	60	6H16011	OPH0256-05
Benzo (g,h,i) perylene	1750	3580	J4	ug/kg dry	3680	50	40	38	6H16011	OPH0256-05
Benzo (a) pyrene	2470	1880	MHA	ug/kg dry	3680	-16	25	48	6H16011	OPH0256-05
1-Methylnaphthalene	<92.4	1450		ug/kg dry	3680	39	56	60	6H16011	OPH0256-05
Chrysene	870	2360	J4	ug/kg dry	3680	40	31	36	6H16011	OPH0256-05
Dibenz (a,h) anthracene	<24.2	2490		ug/kg dry	3680	68	37	60	6H16011	OPH0256-05
Fluoranthene	164	966	MHA	ug/kg dry	3680	22	196	63	6H16011	OPH0256-05
Fluorene	<72.1	1950		ug/kg dry	3680	53	8	49	6H16011	OPH0256-05
Indeno (1,2,3-cd) pyrene	1610	3520		ug/kg dry	3680	52	38	60	6H16011	OPH0256-05
2-Methylnaphthalene	<78.5	1520		ug/kg dry	3680	41	55	71	6H16011	OPH0256-05
Naphthalene	<73.9	1180		ug/kg dry	3680	32	64	81	6H16011	OPH0256-05
Phenanthrene	94.1	1890	MHA	ug/kg dry	3680	49	196	60	6H16011	OPH0256-05
Pyrene	843	3140		ug/kg dry	3680	62	25	90	6H16011	OPH0256-05
Surrogate: 2-Fluorobiphenyl		1320		ug/kg dry	3680	36			6H16011	OPH0256-05
Surrogate: Nitrobenzene-d5		1090		ug/kg dry	3680	30			6H16011	OPH0256-05
Surrogate: Terphenyl-d14		2770		ug/kg dry	3680	75			6H16011	OPH0256-05

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-651-2560 * Fax 407-856-0886

Client:	EPG, INC.	Work Order:	OPH0256	Sampled:	08/08/06-08/10/06
	PO BOX 1096	Project:	LAUREL BAY	Received:	08/12/06
	MT PLEASANT, SC 29465	Project Number:	EP2362		
Attn:	JOHN MAHONEY				

CERTIFICATION SUMMARY

TestAmerica - Orlando, FL

Method	Matrix	Nelac	South Carolina
EPA 160.3	Solid/Soil		
EPA 8260B	Solid/Soil	X	X
EPA 8270C	Solid/Soil	X	X

DATA QUALIFIERS AND DEFINITIONS

I	Analyte detected at a level less than the reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations in this range are estimated.
J4	The sample matrix interfered with the ability to make an accurate determination.
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).
U	The compound was analyzed for but not detected

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

Results are reported on a wet weight basis unless otherwise noted.

TestAmerica - Orlando, FL
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax: 407-856-0886 * 800-851-

Client: EPG, INC. Project: OPH0256

Shipped By: Fed Ex Tracking Number: 858282354284

Cooler Received On: 08/12/06 09:25 And Opened On (Date/time): 8/12 10:11

Received By: Jessica Batura Logged in by: Jessica Batura

Were custody seals on the outside of cooler? **YES** √ **NO** ___ If Yes # ___ Location ___

Were custody seals intact? **YES** √ **NO** ___ **N/A** ___ (no seals present)

Chain of Custody Complete? **YES** ___ **NO** √ If No Discrepancy no sample times for the 764 samples, NO Matrix

Cooler Temparture When Opened: 5.20 Degrees Celsius

Temparture Blank Included: **YES** ___ **NO** √

Packing Material: Bubblewrap ✓ NONE ___ Other: ___

Received on Ice: **YES** √ **NO** ___ Other: ___ Total # Of Containers: 16 # Vials 24

Any Bottles Broken? **YES** ___ **NO** √ If Yes Which One(s)? ___

Any Missing Samples? **YES** ___ **NO** √ If Yes Which One(s)? ___

pH Levels: H2SO4 <=2? ___ HNO3 <=2? ___ HCL <=2? ___ NaOH >=10? ___

Of Containers Unpreserved between 6 and 8? 32, 8 methanol

Any Air Bubbles in VOA Vials? **YES** ___ **NO** √ **N/A** ___ (no VOA vials received)

Was there enough sample shipped in each container? **YES** √ **NO** ___

Correct Preservatives Used? **YES** √ **NO** ___ If No, please explain: ___

Project Manager: Shali Brown

Corrective Actions Taken

lab recieved soils, logged in matrix as soils, 764 Althea has a sample date & time of 8/10 10:45 - the COC has different date & no sample time. Lab logged in according to the sample dates & times. 764 SW has a sample date & time of 8/10 @ 10:50 - the COC has different sample date & no sample time. Lab logged in the sample date & time from the samples 8/10 @ 10:50.

OPH 0256

TestAmerica
INCORPORATED

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

Client Name: EPG Client #: 2411
Address:
City/State/Zip Code: MT PLEASANT
Project Manager: Mahoney
Telephone Number: 8810467 Fax:
Sampler Name: (Print Name) Al Mancy
Sampler Signature: A. Mancy

Project Name: LAUREL BAY
Project #: EP2362
Site/Location ID: State:
Report To:
Invoice To:
Quote #: PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y N

Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other
Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)
Analyze For: BTEX + Naph 8260; PAH-8270

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other:

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers	BTEX + Naph 8260	PAH-8270	REMARKS
ottom 435 ELDERBERRY	8-8	2:00					X	X	01
E 435 SW	8-8	2:05					X	X	02
ottom 437 ELDERBERRY	8-9	10:00 AM					X	X	03
idE 437 SW	8-9	10:05					X	X	04
ottom 447 ELDERBERRY	8-9	3:55					X	X	05
447 SW	8-9	4:00					X	X	06
764 ALTHEA	8.9						X	X	07
idE 764 SW	8.9	1					X	X	08

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 5.2
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
8582 8235 4284
Method of Shipment: FedEx TA-Orlando

	Date	Time		Date	Time
Relinquished By:	8-11-06	1335	Received By:	8.11.06	1335
Relinquished By:	8.11.06	1730	Received By:	8/12	9:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received

RECEIVED

State Use Only

MAR 17 2015

SC DHEC - Bureau of Land & Waste Management

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

I. OWNERSHIP OF UST (S)

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

P.O. Box 55001
Mailing Address

Beaufort,	South Carolina	29904-5001
City	State	Zip Code

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

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #

Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
Facility Name or Company Site Identifier

435 Elderberry Drive, 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).....	435 Elderberry				
B. Capacity..(ex. 1k, 2k).....	Heating oil				
C. Age.....	280 gal				
D. Construction Material..(ex. Steel, FRP).....	Late 1950s				
E. Month/Year of Last Use.....	Steel				
F. Depth (ft.) To Base of Tank.....	Mid 1980s				
G. Spill Prevention Equipment Y/N.....	4'				
H. Overfill Prevention Equipment Y/N.....	No				
I. Method of Closure Removed/Filled.....	No				
J. Date Tanks Removed/Filled.....	Removed				
K. Visible Corrosion or Pitting Y/N.....	10/16/2014				
L. Visible Holes Y/N.....	Yes				
	Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 435Elderberry was removed from the ground and disposed at a Subtitle "D" landfill. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
UST 435Elderberry had been previously filled with sand by others.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

	435 Elderberry				
A. Construction Material..(ex. Steel, FRP).....	Steel & Copper				
B. Distance from UST to Dispenser.....	N/A				
C. Number of Dispensers.....	N/A				
D. Type of System Pressure or Suction.....	Suction				
E. Was Piping Removed from the Ground? Y/N	Yes				
F. Visible Corrosion or Pitting Y/N.....	*N/A				
G. Visible Holes Y/N.....	*N/A				
H. Age.....	Late 1950s				

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

*All piping had been previously removed by others.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		X	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? 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 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
435 Elderb'y	Excav at fill end	Soil	Sandy	4'	10/16/14 0900 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.

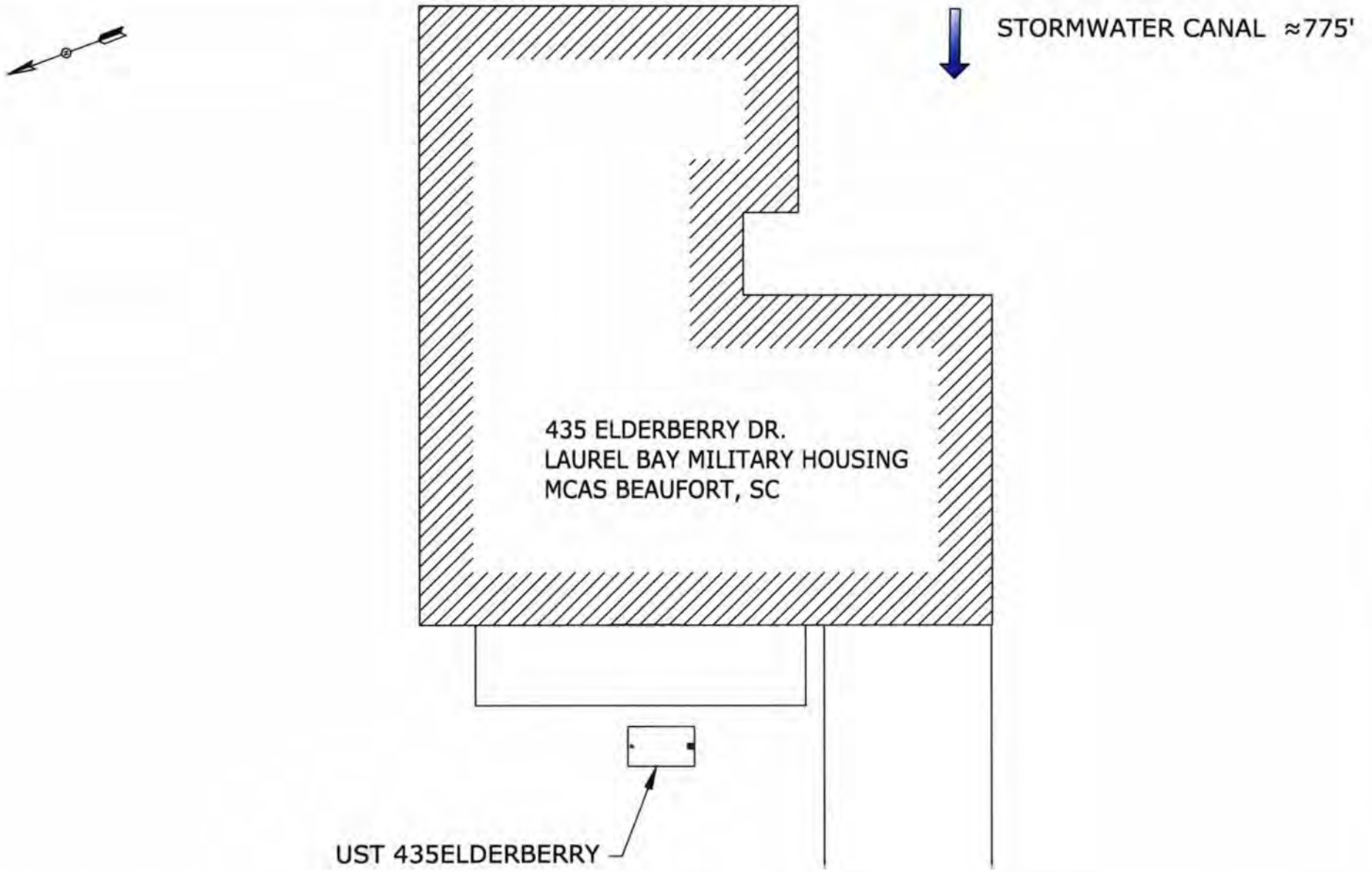
XII. RECEPTORS

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

XIII. SITE MAP

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

(Attach Site Map Here)



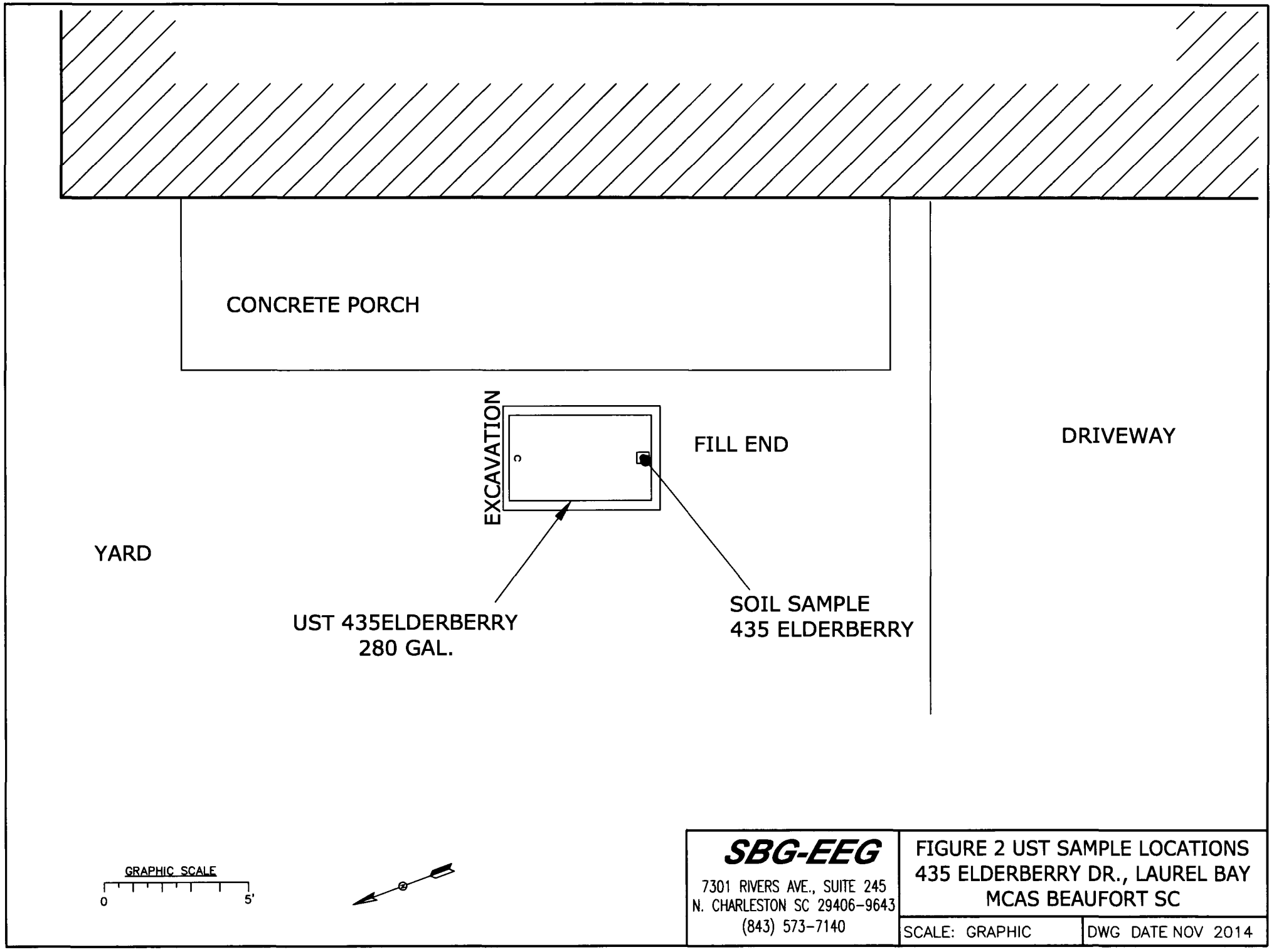
GRAPHIC SCALE
0 5' 10' 20'

TANK DEPTH BELOW GRADE
435ELDERBERRY = 12"

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 1 SITE MAP
435 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE NOV 2014



SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 2 UST SAMPLE LOCATIONS
435 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE NOV 2014

Picture 1: Location of UST 435Elderberry.

Picture 2: UST 435Elderberry excavation.

Picture 3: Site after completion of work.

XIV. SUMMARY OF ANALYSIS RESULTS

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

CoC UST	435Elderberry						
Benzene	ND						
Toluene	ND						
Ethylbenzene	0.00253 mg/kg						
Xylenes	0.00524 mg/kg						
Naphthalene	ND						
Benzo (a) anthracene	ND						
Benzo (b) fluoranthene	ND						
Benzo (k) fluoranthene	ND						
Chrysene	ND						
Dibenz (a, h) anthracene	ND						
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-64150-1
Client Project/Site: Laurel Bay Housing Project

For:
Small Business Group Inc.
10179 Highway 78
Ladson, South Carolina 29456

Attn: Tom McElwee

Authorized for release by:
10/27/2014 4:10:16 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

Table of Contents

Sample Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-64150-1	473 Dogwood	Soil	10/14/14 13:30	10/17/14 08:30
490-64150-2	432 Elderberry	Soil	10/15/14 14:45	10/17/14 08:30
490-64150-3	435 Elderberry	Soil	10/16/14 09:00	10/17/14 08:30

Case Narrative

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Job ID: 490-64150-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-64150-1

Comments
No additional comments

Receipt
The samples were received on 10/17/2014 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3° C.

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 432 Elderberry (490-64150-2), 473 Dogwood (490-64150-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): 432 Elderberry (490-64150-2). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 199569. (LCS 490-199569/5)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 199770.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted. other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
*	ISTD response or retention time outside acceptable limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Client Sample ID: 473 Dogwood
Date Collected: 10/14/14 13:30
Date Received: 10/17/14 08:30

Lab Sample ID: 490-64150-1
Matrix: Soil
Percent Solids: 68.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00304	0.00102	mg/Kg		10/19/14 19:09	10/21/14 10:02	1
Ethylbenzene	ND		0.00304	0.00102	mg/Kg		10/19/14 19:09	10/21/14 10:02	1
Naphthalene	0.456		0.00759	0.00258	mg/Kg		10/19/14 19:09	10/21/14 10:02	1
Toluene	ND		0.00304	0.00112	mg/Kg		10/19/14 19:09	10/21/14 10:02	1
Xylenes, Total	ND		0.00455	0.00102	mg/Kg		10/19/14 19:09	10/21/14 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:02*	*1*
4-Bromofluorobenzene (Surr)	*267*	*X*	*70 - 130*	*10/19/14 19:09*	*10/21/14 10:02*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:02*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.217		0.0669	0.00999	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Acenaphthylene	0.145		0.0669	0.00899	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Anthracene	0.0796		0.0669	0.00899	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Benzo[a]anthracene	ND		0.0669	0.0150	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Benzo[a]pyrene	ND		0.0669	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Benzo[b]fluoranthene	ND		0.0669	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Benzo[g,h,i]perylene	ND		0.0669	0.00899	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Benzo[k]fluoranthene	ND		0.0669	0.0140	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
1-Methylnaphthalene	4.04		0.335	0.0699	mg/Kg		10/21/14 15:28	10/23/14 16:46	5
Pyrene	0.0735		0.0669	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Phenanthrene	1.09		0.0669	0.00899	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Chrysene	ND		0.0669	0.00899	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Dibenz(a,h)anthracene	ND		0.0669	0.00699	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Fluoranthene	0.0387	J	0.0669	0.00899	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Fluorene	0.497		0.0669	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Indeno[1,2,3-cd]pyrene	ND		0.0669	0.00999	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
Naphthalene	0.220		0.0669	0.00899	mg/Kg		10/21/14 15:28	10/22/14 20:16	1
2-Methylnaphthalene	6.35		0.335	0.0799	mg/Kg		10/21/14 15:28	10/23/14 16:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*29 - 120*	*10/21/14 15:28*	*10/22/14 20:16*	*1*
Terphenyl-d14 (Surr)	*80*		*13 - 120*	*10/21/14 15:28*	*10/22/14 20:16*	*1*
Nitrobenzene-d5 (Surr)	*60*		*27 - 120*	*10/21/14 15:28*	*10/22/14 20:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	69		0.10	0.10	%			10/20/14 10:18	1

Client Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Client Sample ID: 432 Elderberry

Date Collected: 10/15/14 14:45
Date Received: 10/17/14 08:30

Lab Sample ID: 490-64150-2

Matrix: Soil
Percent Solids: 79.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00218	0.000730	mg/Kg		10/19/14 19:09	10/21/14 10:30	1
Ethylbenzene	0.0546		0.00218	0.000730	mg/Kg		10/19/14 19:09	10/21/14 10:30	1
Naphthalene	1.98		0.317	0.108	mg/Kg		10/19/14 19:05	10/21/14 17:52	1
Toluene	ND		0.00218	0.000807	mg/Kg		10/19/14 19:09	10/21/14 10:30	1
Xylenes, Total	0.195		0.00327	0.000730	mg/Kg		10/19/14 19:09	10/21/14 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*10/19/14 19:05*	*10/21/14 17:52*	*1*
4-Bromofluorobenzene (Surr)	*432*	*X **	*70 - 130*	*10/19/14 19:09*	*10/21/14 10:30*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/19/14 19:05*	*10/21/14 17:52*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:30*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*10/19/14 19:05*	*10/21/14 17:52*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:30*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*10/19/14 19:05*	*10/21/14 17:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.652		0.0668	0.00998	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Acenaphthylene	0.299		0.0668	0.00898	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Anthracene	0.445		0.0668	0.00898	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Benzo[a]anthracene	ND		0.0668	0.0150	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Benzo[a]pyrene	ND		0.0668	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Benzo[b]fluoranthene	ND		0.0668	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Benzo[g,h,i]perylene	ND		0.0668	0.00898	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Benzo[k]fluoranthene	ND		0.0668	0.0140	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
1-Methylnaphthalene	5.44		0.334	0.0698	mg/Kg		10/21/14 15:28	10/23/14 17:09	5
Pyrene	0.201		0.0668	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Phenanthrene	3.99		0.334	0.0449	mg/Kg		10/21/14 15:28	10/23/14 17:09	5
Chrysene	ND		0.0668	0.00898	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Dibenz(a,h)anthracene	ND		0.0668	0.00698	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Fluoranthene	0.0570	J	0.0668	0.00898	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Fluorene	1.44		0.0668	0.0120	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Indeno[1,2,3-cd]pyrene	ND		0.0668	0.00998	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
Naphthalene	0.556		0.0668	0.00898	mg/Kg		10/21/14 15:28	10/22/14 20:39	1
2-Methylnaphthalene	6.45		0.334	0.0798	mg/Kg		10/21/14 15:28	10/23/14 17:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*29 - 120*	*10/21/14 15:28*	*10/22/14 20:39*	*1*
Terphenyl-d14 (Surr)	*96*		*13 - 120*	*10/21/14 15:28*	*10/22/14 20:39*	*1*
Nitrobenzene-d5 (Surr)	*83*		*27 - 120*	*10/21/14 15:28*	*10/22/14 20:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10	0.10	%			10/20/14 10:18	1

Client Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Client Sample ID: 435 Elderberry

Date Collected: 10/16/14 09:00
Date Received: 10/17/14 08:30

Lab Sample ID: 490-64150-3

Matrix: Soil
Percent Solids: 82.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00217	0.000727	mg/Kg		10/19/14 19:09	10/21/14 10:58	1
Ethylbenzene	0.00253		0.00217	0.000727	mg/Kg		10/19/14 19:09	10/21/14 10:58	1
Naphthalene	ND		0.00542	0.00184	mg/Kg		10/19/14 19:09	10/21/14 10:58	1
Toluene	ND		0.00217	0.000803	mg/Kg		10/19/14 19:09	10/21/14 10:58	1
Xylenes, Total	0.00524		0.00325	0.000727	mg/Kg		10/19/14 19:09	10/21/14 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:58*	*1*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:58*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:58*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*10/19/14 19:09*	*10/21/14 10:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0663	0.00990	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Acenaphthylene	ND		0.0663	0.00891	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Anthracene	ND		0.0663	0.00891	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Benzo[a]anthracene	ND		0.0663	0.0148	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Benzo[a]pyrene	ND		0.0663	0.0119	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Benzo[b]fluoranthene	ND		0.0663	0.0119	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Benzo[g,h,i]perylene	ND		0.0663	0.00891	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Benzo[k]fluoranthene	ND		0.0663	0.0139	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
1-Methylnaphthalene	0.0374	J	0.0663	0.0139	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Pyrene	ND		0.0663	0.0119	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Phenanthrene	ND		0.0663	0.00891	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Chrysene	ND		0.0663	0.00891	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Dibenz(a,h)anthracene	ND		0.0663	0.00693	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Fluoranthene	ND		0.0663	0.00891	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Fluorene	ND		0.0663	0.0119	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Indeno[1,2,3-cd]pyrene	ND		0.0663	0.00990	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
Naphthalene	ND		0.0663	0.00891	mg/Kg		10/21/14 15:28	10/22/14 21:02	1
2-Methylnaphthalene	0.0375	J	0.0663	0.0158	mg/Kg		10/21/14 15:28	10/22/14 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*29 - 120*	*10/21/14 15:28*	*10/22/14 21:02*	*1*
Terphenyl-d14 (Surr)	*77*		*13 - 120*	*10/21/14 15:28*	*10/22/14 21:02*	*1*
Nitrobenzene-d5 (Surr)	*60*		*27 - 120*	*10/21/14 15:28*	*10/22/14 21:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10	0.10	%			10/20/14 10:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-64133-C-1-A MSD
Matrix: Solid
Analysis Batch: 199464

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 199275

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0408	0.03862		mg/Kg	☐	95	31 - 143	3	50
Ethylbenzene	ND		0.0408	0.03560		mg/Kg	☐	87	23 - 161	5	50
Naphthalene	ND		0.0408	0.005966		mg/Kg	☐	15	10 - 176	25	50
Toluene	ND		0.0408	0.03659		mg/Kg	☐	90	30 - 155	10	50
Xylenes, Total	ND		0.0816	0.06394		mg/Kg	☐	78	25 - 162	8	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 490-64133-C-1-B MS
Matrix: Solid
Analysis Batch: 199464

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 199275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0408	0.03966		mg/Kg	☐	97	31 - 143
Ethylbenzene	ND		0.0408	0.03756		mg/Kg	☐	92	23 - 161
Naphthalene	ND		0.0408	0.007656		mg/Kg	☐	19	10 - 176
Toluene	ND		0.0408	0.04037		mg/Kg	☐	99	30 - 155
Xylenes, Total	ND		0.0816	0.06920		mg/Kg	☐	85	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 490-199464/6
Matrix: Solid
Analysis Batch: 199464

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			10/21/14 02:48	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			10/21/14 02:48	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			10/21/14 02:48	1
Toluene	ND		0.00200	0.000740	mg/Kg			10/21/14 02:48	1
Xylenes, Total	ND		0.00300	0.000670	mg/Kg			10/21/14 02:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*10/21/14 02:48*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*10/21/14 02:48*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*10/21/14 02:48*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/21/14 02:48*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-199464/3
Matrix: Solid
Analysis Batch: 199464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05702		mg/Kg		114	75 - 127
Ethylbenzene	0.0500	0.05809		mg/Kg		116	80 - 134
Naphthalene	0.0500	0.05094		mg/Kg		102	69 - 150
Toluene	0.0500	0.05681		mg/Kg		114	80 - 132
Xylenes, Total	0.100	0.1159		mg/Kg		116	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 490-199464/4
Matrix: Solid
Analysis Batch: 199464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05267		mg/Kg		105	75 - 127	8	50
Ethylbenzene	0.0500	0.05814		mg/Kg		116	80 - 134	0	50
Naphthalene	0.0500	0.04947		mg/Kg		99	69 - 150	3	50
Toluene	0.0500	0.05667		mg/Kg		113	80 - 132	0	50
Xylenes, Total	0.100	0.1134		mg/Kg		113	80 - 137	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 490-199569/8
Matrix: Solid
Analysis Batch: 199569

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0340	mg/Kg			10/21/14 16:04	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg			10/21/14 16:04	1
Naphthalene	ND		0.250	0.0850	mg/Kg			10/21/14 16:04	1
Toluene	ND		0.100	0.0370	mg/Kg			10/21/14 16:04	1
Xylenes, Total	ND		0.150	0.0340	mg/Kg			10/21/14 16:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*10/21/14 16:04*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*10/21/14 16:04*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*10/21/14 16:04*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/21/14 16:04*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-199569/5
Matrix: Solid
Analysis Batch: 199569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2.50	2.975		mg/Kg		119	75 - 127
Ethylbenzene	2.50	3.229		mg/Kg		129	80 - 134
Naphthalene	2.50	3.025		mg/Kg		121	69 - 150
Toluene	2.50	3.150		mg/Kg		126	80 - 132
Xylenes, Total	5.00	6.399		mg/Kg		128	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 490-199569/6
Matrix: Solid
Analysis Batch: 199569

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	2.50	2.999		mg/Kg		120	75 - 127	1	50
Ethylbenzene	2.50	3.193		mg/Kg		128	80 - 134	1	50
Naphthalene	2.50	2.972		mg/Kg		119	69 - 150	2	50
Toluene	2.50	3.106		mg/Kg		124	80 - 132	1	50
Xylenes, Total	5.00	6.346		mg/Kg		127	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-199770/1-A
Matrix: Solid
Analysis Batch: 200033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Anthracene	ND		0.0670	0.00900	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Pyrene	ND		0.0670	0.0120	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		10/21/14 15:28	10/22/14 16:04	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-199770/1-A
Matrix: Solid
Analysis Batch: 200033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.0670	0.00900	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Fluorene	ND		0.0670	0.0120	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		10/21/14 15:28	10/22/14 16:04	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		10/21/14 15:28	10/22/14 16:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*29 - 120*	*10/21/14 15:28*	*10/22/14 16:04*	*1*
Terphenyl-d14 (Surr)	*92*		*13 - 120*	*10/21/14 15:28*	*10/22/14 16:04*	*1*
Nitrobenzene-d5 (Surr)	*74*		*27 - 120*	*10/21/14 15:28*	*10/22/14 16:04*	*1*

Lab Sample ID: LCS 490-199770/2-A
Matrix: Solid
Analysis Batch: 200033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.455		mg/Kg		87	38 - 120
Anthracene	1.67	1.438		mg/Kg		86	46 - 124
Benzo[a]anthracene	1.67	1.469		mg/Kg		88	45 - 120
Benzo[a]pyrene	1.67	1.436		mg/Kg		86	45 - 120
Benzo[b]fluoranthene	1.67	1.578		mg/Kg		95	42 - 120
Benzo[g,h,i]perylene	1.67	1.206		mg/Kg		72	38 - 120
Benzo[k]fluoranthene	1.67	1.398		mg/Kg		84	42 - 120
1-Methylnaphthalene	1.67	1.445		mg/Kg		87	32 - 120
Pyrene	1.67	1.355		mg/Kg		81	43 - 120
Phenanthrene	1.67	1.409		mg/Kg		85	45 - 120
Chrysene	1.67	1.348		mg/Kg		81	43 - 120
Dibenz(a,h)anthracene	1.67	1.424		mg/Kg		85	32 - 128
Fluoranthene	1.67	1.522		mg/Kg		91	46 - 120
Fluorene	1.67	1.492		mg/Kg		90	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.098		mg/Kg		66	41 - 121
Naphthalene	1.67	1.417		mg/Kg		85	32 - 120
2-Methylnaphthalene	1.67	1.453		mg/Kg		87	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*29 - 120*
Terphenyl-d14 (Surr)	*82*		*13 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*

Lab Sample ID: LCSD 490-199770/3-A
Matrix: Solid
Analysis Batch: 200033

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 199770

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	1.67	1.482		mg/Kg		89	38 - 120	2	50
Anthracene	1.67	1.493		mg/Kg		90	46 - 124	4	49

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-199770/3-A
Matrix: Solid
Analysis Batch: 200033

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 199770

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	1.67	1.524		mg/Kg		91	45 - 120	4	50
Benzo[a]pyrene	1.67	1.483		mg/Kg		89	45 - 120	3	50
Benzo[b]fluoranthene	1.67	1.576		mg/Kg		95	42 - 120	0	50
Benzo[g,h,i]perylene	1.67	1.313		mg/Kg		79	38 - 120	9	50
Benzo[k]fluoranthene	1.67	1.532		mg/Kg		92	42 - 120	9	45
1-Methylnaphthalene	1.67	1.481		mg/Kg		89	32 - 120	2	50
Pyrene	1.67	1.418		mg/Kg		85	43 - 120	4	50
Phenanthrene	1.67	1.454		mg/Kg		87	45 - 120	3	50
Chrysene	1.67	1.448		mg/Kg		87	43 - 120	7	49
Dibenz(a,h)anthracene	1.67	1.463		mg/Kg		88	32 - 128	3	50
Fluoranthene	1.67	1.584		mg/Kg		95	46 - 120	4	50
Fluorene	1.67	1.538		mg/Kg		92	42 - 120	3	50
Indeno[1,2,3-cd]pyrene	1.67	1.406		mg/Kg		84	41 - 121	25	50
Naphthalene	1.67	1.436		mg/Kg		86	32 - 120	1	50
2-Methylnaphthalene	1.67	1.484		mg/Kg		89	28 - 120	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	77		*29 - 120*
Terphenyl-d14 (Surr)	87		*13 - 120*
Nitrobenzene-d5 (Surr)	74		*27 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-64084-B-1 DU
Matrix: Solid
Analysis Batch: 199372

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	95		95		%		0.2	20

QC Association Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

GC/MS VOA

Prep Batch: 199275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64133-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
490-64133-C-1-B MS	Matrix Spike	Total/NA	Solid	5035	

Prep Batch: 199277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64150-2	432 Elderberry	Total/NA	Soil	5035	

Prep Batch: 199278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64150-1	473 Dogwood	Total/NA	Soil	5035	
490-64150-2	432 Elderberry	Total/NA	Soil	5035	
490-64150-3	435 Elderberry	Total/NA	Soil	5035	

Analysis Batch: 199464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64133-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	199275
490-64133-C-1-B MS	Matrix Spike	Total/NA	Solid	8260B	199275
490-64150-1	473 Dogwood	Total/NA	Soil	8260B	199278
490-64150-2	432 Elderberry	Total/NA	Soil	8260B	199278
490-64150-3	435 Elderberry	Total/NA	Soil	8260B	199278
LCS 490-199464/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-199464/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-199464/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 199569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64150-2	432 Elderberry	Total/NA	Soil	8260B	199277
LCS 490-199569/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-199569/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-199569/8	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 199770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64150-1	473 Dogwood	Total/NA	Soil	3550C	
490-64150-2	432 Elderberry	Total/NA	Soil	3550C	
490-64150-3	435 Elderberry	Total/NA	Soil	3550C	
LCS 490-199770/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-199770/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
MB 490-199770/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 200033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64150-1	473 Dogwood	Total/NA	Soil	8270D	199770
490-64150-2	432 Elderberry	Total/NA	Soil	8270D	199770
490-64150-3	435 Elderberry	Total/NA	Soil	8270D	199770
LCS 490-199770/2-A	Lab Control Sample	Total/NA	Solid	8270D	199770
LCSD 490-199770/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	199770
MB 490-199770/1-A	Method Blank	Total/NA	Solid	8270D	199770

GC/MS Semi VOA (Continued)

Analysis Batch: 200371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64150-1	473 Dogwood	Total/NA	Soil	8270D	199770
490-64150-2	432 Elderberry	Total/NA	Soil	8270D	199770

General Chemistry

Analysis Batch: 199372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-64084-B-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-64115-F-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-64115-F-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-64150-1	473 Dogwood	Total/NA	Soil	Moisture	
490-64150-2	432 Elderberry	Total/NA	Soil	Moisture	
490-64150-3	435 Elderberry	Total/NA	Soil	Moisture	

Lab Chronicle

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Client Sample ID: 473 Dogwood

Date Collected: 10/14/14 13:30
Date Received: 10/17/14 08:30

Lab Sample ID: 490-64150-1
Matrix: Soil
Percent Solids: 68.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.803 g	5.0 mL	199278	10/19/14 19:09	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.803 g	5.0 mL	199464	10/21/14 10:02	JMG	TAL NSH
Total/NA	Prep	3550C			43.79 g	1.00 mL	199770	10/21/14 15:28	RMS	TAL NSH
Total/NA	Analysis	8270D		1	43.79 g	1.00 mL	200033	10/22/14 20:16	SNR	TAL NSH
Total/NA	Prep	3550C			43.79 g	1.00 mL	199770	10/21/14 15:28	RMS	TAL NSH
Total/NA	Analysis	8270D		5	43.79 g	1.00 mL	200371	10/23/14 16:46	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			199372	10/20/14 10:18	RRS	TAL NSH

Client Sample ID: 432 Elderberry

Date Collected: 10/15/14 14:45
Date Received: 10/17/14 08:30

Lab Sample ID: 490-64150-2
Matrix: Soil
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.804 g	5.0 mL	199278	10/19/14 19:09	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.804 g	5.0 mL	199464	10/21/14 10:30	JMG	TAL NSH
Total/NA	Prep	5035			6.323 g	5.0 mL	199277	10/19/14 19:05	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.323 g	5.0 mL	199569	10/21/14 17:52	JMG	TAL NSH
Total/NA	Prep	3550C			38.06 g	1.00 mL	199770	10/21/14 15:28	RMS	TAL NSH
Total/NA	Analysis	8270D		1	38.06 g	1.00 mL	200033	10/22/14 20:39	SNR	TAL NSH
Total/NA	Prep	3550C			38.06 g	1.00 mL	199770	10/21/14 15:28	RMS	TAL NSH
Total/NA	Analysis	8270D		5	38.06 g	1.00 mL	200371	10/23/14 17:09	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			199372	10/20/14 10:18	RRS	TAL NSH

Client Sample ID: 435 Elderberry

Date Collected: 10/16/14 09:00
Date Received: 10/17/14 08:30

Lab Sample ID: 490-64150-3
Matrix: Soil
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.612 g	5.0 mL	199278	10/19/14 19:09	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.612 g	5.0 mL	199464	10/21/14 10:58	JMG	TAL NSH
Total/NA	Prep	3550C			36.89 g	1.00 mL	199770	10/21/14 15:28	RMS	TAL NSH
Total/NA	Analysis	8270D		1	36.89 g	1.00 mL	200033	10/22/14 21:02	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			199372	10/20/14 10:18	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-64150-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
North Carolina (WW/SW)	State Program	4	387	12-31-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids

South Carolina	State Program	4	84009 (001)	02-28-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	1-Methylnaphthalene
Moisture		Soil	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

490-64150 Chain of Custody

Cooler Received/Opened On 10/17/2014 @ 0830

1. Tracking # 3968 (last 4 digits, FedEx)

Courier: Fed Ex IR Gun ID 17960358

2. Temperature of rep. sample or temp blank when opened: 0.3 *Degrees Celsius*

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

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

If yes, how many and where: 2 front + back

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

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

I certify that I opened the cooler and answered questions 1-6 (intial) EZA

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

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

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

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

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

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

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

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

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

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

I certify that I unloaded the cooler and answered questions 7-14 (intial) AJH

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

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

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 11/28/12

Loc: 490
64150

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

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

PO#: 1406

Telephone Number: 843.412.2097 Fax No: (843) 879-0401

TA Quote #:

Sampler Name: (Print) Heath Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label) Sodium Bisulfate	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
473 Dogwood	10/14/14	1330	5	X				2	2				2	1					X		X	X				
437 Elderberry	10/15/14	1445	5	X				2	2				2	1					X		X	X				
435 Elderberry	10/16/14	0900	5	X				2					2	1					X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	10/16/14	0945	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				10/17/14	8:30

Laboratory Comments:
Temperature Upon Receipt: 0.3
VOCs Free of Headspace? Y N

10/27/2014

Login Sample Receipt Checklist

Client: Small Business Group Inc.

Job Number: 490-64150-1

Login Number: 64150
List Number: 1
Creator: Huskey, Adam

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT A

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
MCAS BEAUFORT
LAUREL BAY HOUSING
BEAUFORT, SC 29904

4. Generator's Phone 843-879-0411

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

A. Manifest Number: **WMNA** 01519116

B. State Generator's ID

5. Transporter 1 Company Name 843-522-1500
Carolina Containers
P.O. Box 1925
Bft SC 29901

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

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

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 843-987-4643

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANK FILLED WITH SAND WM Profile # 102655SC	1	30cy	5.98	TON	749170
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location: Cell ____ Level ____ Grid ____

15. Special Handling Instructions and Additional Information
USTs from:
1) 252 Beech ✓ 2) 401 Elderberry ✓ 3) 435 Elderberry ✓ 4) 437 Elderberry - 2 ✓ 5) 1462 Cardinal

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

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

Printed Name	Signature "On behalf of"	Month	Day	Year
W.G. Dukes III		12	01	14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Pratt Shaw		12	1	14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Michael Brotch		12	2	14

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
JoAnn Cofield		12	2	14

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/23/08
Pace Project No.: 9224209

Sample: 435 ELBERBERRY A **Lab ID: 9224209001** Collected: 07/23/08 14:30 Received: 07/25/08 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 07:08	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	07/28/08 00:00	07/30/08 07:08	208-96-8	
Anthracene	ND	ug/L	0.050	1	07/28/08 00:00	07/30/08 07:08	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 07:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 07:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	07/28/08 00:00	07/30/08 07:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 07:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 07:08	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 07:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 07:08	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	07/28/08 00:00	07/30/08 07:08	206-44-0	
Fluorene	ND	ug/L	0.31	1	07/28/08 00:00	07/30/08 07:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 07:08	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 07:08	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 07:08	91-57-6	
Naphthalene	ND	ug/L	1.5	1	07/28/08 00:00	07/30/08 07:08	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 07:08	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 07:08	129-00-0	
Nitrobenzene-d5 (S)	32	%	50-150	1	07/28/08 00:00	07/30/08 07:08	4165-60-0	1g
2-Fluorobiphenyl (S)	50	%	50-150	1	07/28/08 00:00	07/30/08 07:08	321-60-8	
Terphenyl-d14 (S)	57	%	50-150	1	07/28/08 00:00	07/30/08 07:08	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/29/08 17:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/29/08 17:04	100-41-4	
Naphthalene	ND	ug/L	1.0	1		07/29/08 17:04	91-20-3	
Toluene	ND	ug/L	1.0	1		07/29/08 17:04	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		07/29/08 17:04	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		07/29/08 17:04	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	1		07/29/08 17:04	460-00-4	
Dibromofluoromethane (S)	105	%	85-115	1		07/29/08 17:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		07/29/08 17:04	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		07/29/08 17:04	2037-26-5	

Sample: 435 ELBERBERRY B **Lab ID: 9224209002** Collected: 07/23/08 14:45 Received: 07/25/08 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	2.2	1	07/28/08 00:00	07/30/08 07:35	83-32-9	
Acenaphthylene	ND	ug/L	1.7	1	07/28/08 00:00	07/30/08 07:35	208-96-8	
Anthracene	ND	ug/L	0.056	1	07/28/08 00:00	07/30/08 07:35	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.11	1	07/28/08 00:00	07/30/08 07:35	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.22	1	07/28/08 00:00	07/30/08 07:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.34	1	07/28/08 00:00	07/30/08 07:35	205-99-2	

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(704)875-9092

ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/23/08
Pace Project No.: 9224209

Sample: 435 ELBERBERRY B **Lab ID: 9224209002** Collected: 07/23/08 14:45 Received: 07/25/08 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Benzo(g,h,i)perylene	ND	ug/L	0.22	1	07/28/08 00:00	07/30/08 07:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.22	1	07/28/08 00:00	07/30/08 07:35	207-08-9	
Chrysene	ND	ug/L	0.11	1	07/28/08 00:00	07/30/08 07:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.22	1	07/28/08 00:00	07/30/08 07:35	53-70-3	
Fluoranthene	ND	ug/L	0.34	1	07/28/08 00:00	07/30/08 07:35	206-44-0	
Fluorene	ND	ug/L	0.35	1	07/28/08 00:00	07/30/08 07:35	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.22	1	07/28/08 00:00	07/30/08 07:35	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.2	1	07/28/08 00:00	07/30/08 07:35	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.2	1	07/28/08 00:00	07/30/08 07:35	91-57-6	
Naphthalene	ND	ug/L	1.7	1	07/28/08 00:00	07/30/08 07:35	91-20-3	
Phenanthrene	ND	ug/L	0.22	1	07/28/08 00:00	07/30/08 07:35	85-01-8	
Pyrene	ND	ug/L	0.11	1	07/28/08 00:00	07/30/08 07:35	129-00-0	
Nitrobenzene-d5 (S)	56	%	50-150	1	07/28/08 00:00	07/30/08 07:35	4165-60-0	
2-Fluorobiphenyl (S)	55	%	50-150	1	07/28/08 00:00	07/30/08 07:35	321-60-8	
Terphenyl-d14 (S)	69	%	50-150	1	07/28/08 00:00	07/30/08 07:35	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/29/08 17:28	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/29/08 17:28	100-41-4	
Naphthalene	ND	ug/L	1.0	1		07/29/08 17:28	91-20-3	
Toluene	ND	ug/L	1.0	1		07/29/08 17:28	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		07/29/08 17:28	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		07/29/08 17:28	95-47-6	
4-Bromofluorobenzene (S)	94	%	87-109	1		07/29/08 17:28	460-00-4	
Dibromofluoromethane (S)	105	%	85-115	1		07/29/08 17:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120	1		07/29/08 17:28	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		07/29/08 17:28	2037-26-5	

Sample: 435 ELBERBERRY C **Lab ID: 9224209003** Collected: 07/23/08 15:20 Received: 07/25/08 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 08:02	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	07/28/08 00:00	07/30/08 08:02	208-96-8	
Anthracene	ND	ug/L	0.050	1	07/28/08 00:00	07/30/08 08:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 08:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	07/28/08 00:00	07/30/08 08:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:02	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 08:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:02	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	07/28/08 00:00	07/30/08 08:02	206-44-0	
Fluorene	ND	ug/L	0.31	1	07/28/08 00:00	07/30/08 08:02	86-73-7	

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ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/23/08
Pace Project No.: 9224209

Sample: 435 ELBERBERRY C **Lab ID: 9224209003** Collected: 07/23/08 15:20 Received: 07/25/08 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:02	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 08:02	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 08:02	91-57-6	
Naphthalene	ND	ug/L	1.5	1	07/28/08 00:00	07/30/08 08:02	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:02	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 08:02	129-00-0	
Nitrobenzene-d5 (S)	41	%	50-150	1	07/28/08 00:00	07/30/08 08:02	4165-60-0	1g
2-Fluorobiphenyl (S)	53	%	50-150	1	07/28/08 00:00	07/30/08 08:02	321-60-8	
Terphenyl-d14 (S)	68	%	50-150	1	07/28/08 00:00	07/30/08 08:02	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/29/08 17:52	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/29/08 17:52	100-41-4	
Naphthalene	ND	ug/L	1.0	1		07/29/08 17:52	91-20-3	
Toluene	ND	ug/L	1.0	1		07/29/08 17:52	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		07/29/08 17:52	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		07/29/08 17:52	95-47-6	
4-Bromofluorobenzene (S)	94	%	87-109	1		07/29/08 17:52	460-00-4	
Dibromofluoromethane (S)	104	%	85-115	1		07/29/08 17:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120	1		07/29/08 17:52	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		07/29/08 17:52	2037-26-5	

Sample: 437 ELBERBERRY A **Lab ID: 9224209004** Collected: 07/23/08 15:10 Received: 07/25/08 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 08:29	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	07/28/08 00:00	07/30/08 08:29	208-96-8	
Anthracene	ND	ug/L	0.050	1	07/28/08 00:00	07/30/08 08:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 08:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	07/28/08 00:00	07/30/08 08:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:29	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 08:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:29	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	07/28/08 00:00	07/30/08 08:29	206-44-0	
Fluorene	ND	ug/L	0.31	1	07/28/08 00:00	07/30/08 08:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:29	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 08:29	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	07/28/08 00:00	07/30/08 08:29	91-57-6	
Naphthalene	ND	ug/L	1.5	1	07/28/08 00:00	07/30/08 08:29	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	07/28/08 00:00	07/30/08 08:29	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/28/08 00:00	07/30/08 08:29	129-00-0	

Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C

PROMOTE PROTECT PROSPER

25 October 2007

Beaufort Military Complex Family Housing
ATTN: Kyle Broadfoot
1510 Laurel Bay Blvd.
Beaufort, SC 29906

Re: MCAS – Laurel Bay Housing – 435 Elderberry
Site ID # 03717
UST Closure Reports received 15 August 2007
Beaufort County

Dear Mr. Broadfoot:

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

Additional assessment activities are required for this site. Specifically the Department requests that a groundwater sampling proposal be generated for this site.

Please submit a groundwater sampling proposal to conduct the necessary assessment and/or remedial measures at this site no later than 29 February 2007. Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Region 8 District EQC
United States Marine Corps Air Station, Commanding Officer, Attention: S-4 NREAO (William Drawdy), P.O. Box 55001, Beaufort, SC 29904-5001
Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

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

25 November 2008

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

Re: MCAS – Laurel Bay Housing – 435 Elderberry
Site ID # 03717
Groundwater Sampling Results received 6 November 2008
Beaufort County

Dear Mr. Ehde:

Per the Department's request, a groundwater sample was collected from the referenced site. The groundwater results were reported as non-detect. Based on the information and analytical data submitted, the Department recognizes that MCAS has adequately addressed the known environmental contamination identified on the property to date in accordance with the approved scope of work. Consequently, no further investigation is required at this time. Please note, this statement pertains only to the portion of the site addressed in the referenced report 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), 803-896-6245 (fax) or cookejt@dhec.sc.gov.

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

Jan T. Cooke, Hydrogeologist

B. Thomas Knight, Manager

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

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

July 1, 2015

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

RE: No Further Action
Laurel Bay Underground Storage Tank Assessment Reports for:
See attached sheet

Dear Mr. Drawdy,

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

The Department has reviewed the referenced assessment reports and agrees there is no indication of soil or groundwater contamination on these properties, and therefore no further investigation is required at this time.

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

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

Sincerely,

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

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

Attachment to: Krieg to Drawdy
Subject: NFA
Dated 7/1/2015

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks)

111 Birch	363 Aspen
123 Banyan	364 Aspen
131 Banyan	366 Aspen
134 Banyan	369 Aspen
145 Laurel Bay	373 Aspen
150 Laurel Bay	381 Aspen
153 Laurel Bay	401 Elderberry
154 Laurel Bay	402 Elderberry
155 Laurel Bay	404 Elderberry
200 Balsam	410 Elderberry
202 Balsam	420 Elderberry
203 Balsam	424 Elderberry
208 Balsam	435 Elderberry Tank 3
210 Balsam	452 Elderberry
211 Balsam	460 Elderberry
220 Cypress	465 Dogwood
222 Cypress	477 Laurel Bay
223 Cypress	487Laurel Bay
252 Beech Tank 2	513 Laurel Bay
271 Beech Tank 1	519 Laurel Bay
271 Beech Tank 2	524 Laurel Bay
284 Birch Tank 1	535 Laurel Bay
284 Birch Tank 2	553 Dahlia
308 Ash	590 Aster
311 Ash	591 Aster
312 Ash	610 Dahlia
317 Ash	612 Dahlia
318 Ash	628 Dahlia
337 Ash	636 Dahlia
351 Ash Tank 1	637 Dahlia Tank 1
351 Ash Tank 2	637 Dahlia Tank 2
355 Ash Tank 1	641 Dahlia
355 Ash Tank 2	642 Dahlia Tank 1
360 Aspen	642 Dahlia Tank 2

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.

655 Camellia	920 Albacore
662 Camellia	922 Barracuda Tank 1
683 Camellia	922 Barracuda Tank 2
684 Camellia	924 Albacore
689 Abelia	925 Albacore
694 Abelia	926 Albacore
695 Abelia	930 Albacore
741 Blue Bell	931 Albacore
742 Blue Bell	933 Albacore
755 Althea	936 Albacore
757 Althea	938 Albacore
776 Laurel Bay	939 Albacore
777 Azalea	940 Albacore
779 Laurel Bay	1010 Foxglove
781 Laurel Bay	1066 Gardenia
802 Azalea	1068 Gardenia
816 Azalea	1071 Heather Tank 2
822 Azalea	1100 Iris Tank 2
823 Azalea	1128 Iris
825 Azalea	1178 Bobwhite
828 Azalea	1204 Cardinal
837 Azalea	1208 Cardinal
851 Dolphin	1209 Cardinal
856 Dolphin	1210 Cardinal
857 Dolphin	1215 Cardinal
861 Dolphin	1216 Cardinal
864 Dolphin	1217 Cardinal Tank 1
868 Dolphin	1217 Cardinal Tank 2
872 Dolphin	1233 Dove
879 Cobia	1244 Dove
886 Cobia	1250 Dove
888 Cobia	1252 Dove
889 Cobia	1254 Dove
901 Barracuda	1256 Dove
902 Barracuda	1258 Dove
903 Barracuda	1263 Dove
904 Barracuda	1269 Dove
909 Barracuda	1276 Dove
910 Barracuda	1283 Dove
914 Barracuda	1285 Dove
915 Barracuda	1288 Eagle

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.

1296 Eagle	1330 Albatross
1307 Eagle	1331 Albatross
1321 Albatross	1333 Albatross
1322 Albatross	1334 Albatross
1327 Albatross	1335 Albatross
1328 Albatross	