SUMMARY REPORT
135 WEST ALTHEA (FORMERLY 764 WEST ALTHEA STREET)
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

SUMMARY REPORT
135 WEST ALTHEA (FORMERLY 764 WEST ALTHEA STREET)
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

Prepared by:

CDM - AECOM
Multimedia Joint Venture

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

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

Table of Contents

1.0 INTRODUCTION 1

1.1 Background Information 1
1.2 UST Removal and Assessment Process 2

2.0 SAMPLING ACTIVITIES AND RESULTS 3

2.1 UST Removal and Soil Sampling 3
2.2 Soil Analytical Results 4
2.3 Groundwater Sampling 4
2.4 Groundwater Analytical Results 5

3.0 PROPERTY STATUS 5

4.0 REFERENCES 5

Tables

Table 1 Laboratory Analytical Results - Soil
Table 2 Laboratory Analytical Results - Groundwater

Appendices

Appendix A Multi-Media Selection Process for LBMH
Appendix B UST Assessment Report
Appendix C Laboratory Analytical Report - Groundwater
Appendix D Regulatory Correspondence

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 135 West Althea Street (Formerly 764 West Althea Street). 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 135 West Althea Street (Formerly 764 West Althea Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 764 West Althea Street* (MCAS Beaufort, 2007). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report* – (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

On August 9, 2006, a single 280 gallon heating oil UST was removed from the front landscaped bed area adjacent to the driveway at 135 West Althea Street (Formerly 764 West Althea Street). The former UST location is indicated on the figure of the UST Assessment Report (Appendix B). The UST was removed, cleaned, and shipped offsite for recycling. There was no

visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 7'2" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 135 West Althea Street (Formerly 764 West Althea Street) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated November 2, 2007, SCDHEC requested an IGWA for 135 West Althea Street (Formerly 764 West Althea Street) 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 24, 2008, a temporary monitoring well was installed at 135 West Althea Street (Formerly 764 West Althea Street), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. The former UST locations are indicated in the figures of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation 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 *Initial Groundwater Investigation 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 135 West Althea Street (Formerly 764 West Althea Street) 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 USTs at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 135 West Althea Street (Formerly 764 West Althea Street). This NFA determination was obtained in a letter dated December 8, 2008. SCDHEC's NFA letter is 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 – 764 West Althea Street, Laurel Bay Military Housing Area*, August 2007.

Resolution Consultants, 2008. *Initial Groundwater Investigation 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
135 West Althea Street (Formerly 764 West Althea Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 08/9/06	
		764 Althea	764 SW
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	**0.0136**	**0.000689**
Ethylbenzene	1.15	**0.00972**	**0.00329**
Naphthalene	0.036	**0.142**	**0.132**
Toluene	0.627	**0.0014**	**0.00353**
Xylenes, Total	13.01	**0.00163**	**0.00986**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	ND	**1.39**
Benzo(b)fluoranthene	0.66	ND	**1.98**
Benzo(k)fluoranthene	0.66	ND	**2.06**
Chrysene	0.66	ND	**1.99**
Dibenz(a,h)anthracene	0.66	ND	ND

Notes:

[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 and 1.1 (SCDHEC, May 2001 and SCDHEC, February 2011) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
135 West Althea Street (Formerly 764 West Althea Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs (µg/L)[2]	Results Sample Collected 07/24/08	
			764 Althea B	764 Althea C
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)				
Benzene	5	16.24	ND	ND
Ethylbenzene	700	45.95	ND	ND
Naphthalene	25	29.33	ND	ND
Toluene	1000	105,445	ND	ND
Xylenes, Total	10,000	2,133	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)				
Benzo(a)anthracene	10	NA	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND
Chrysene	10	NA	ND	ND
Dibenz(a,h)anthracene	10	NA	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

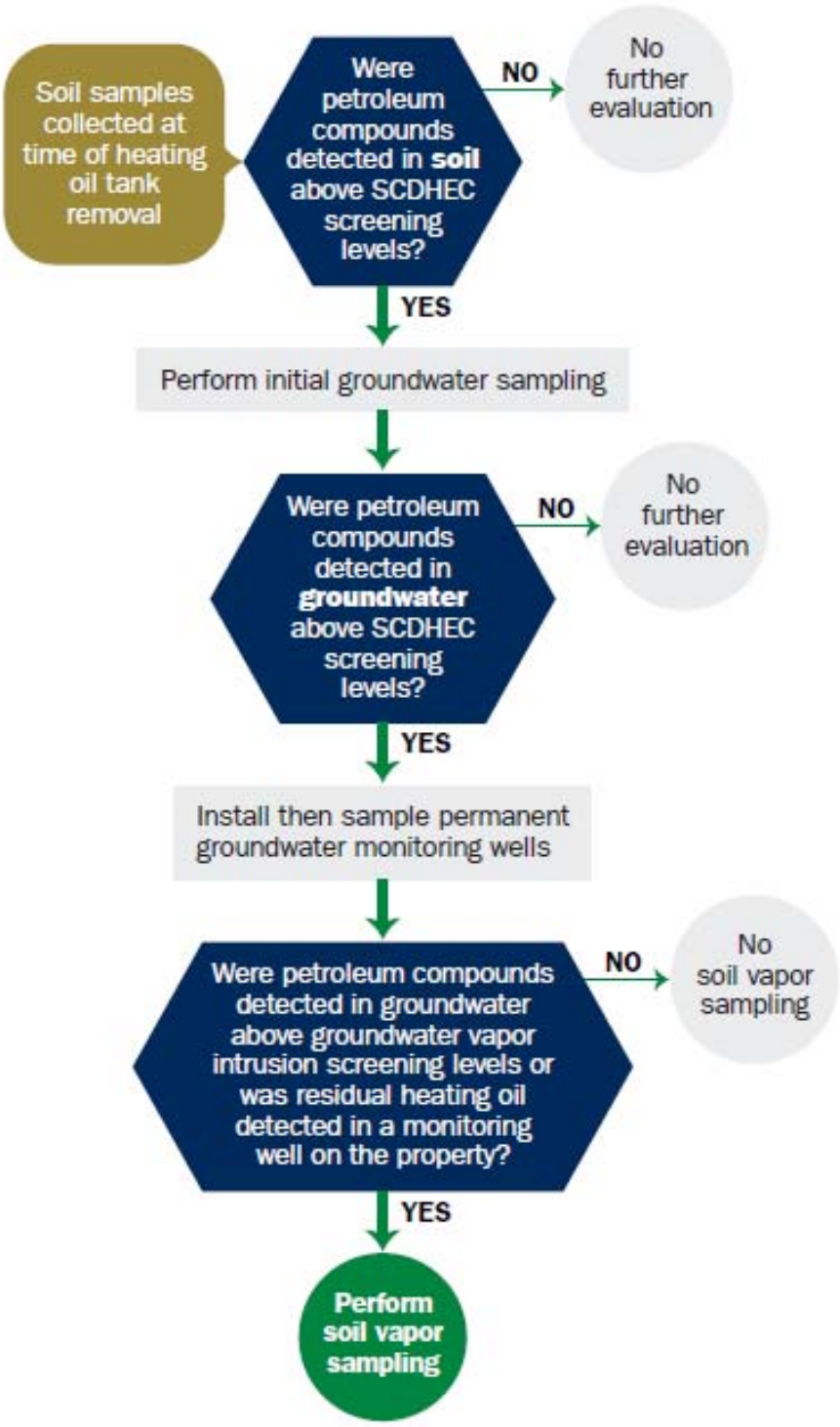
SCDHEC - South Carolina Department Of Health and Environmental Control

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 Report

CDM - AECOM
Multimedia Joint Venture

764 Althea

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.....	8/9/06					
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				

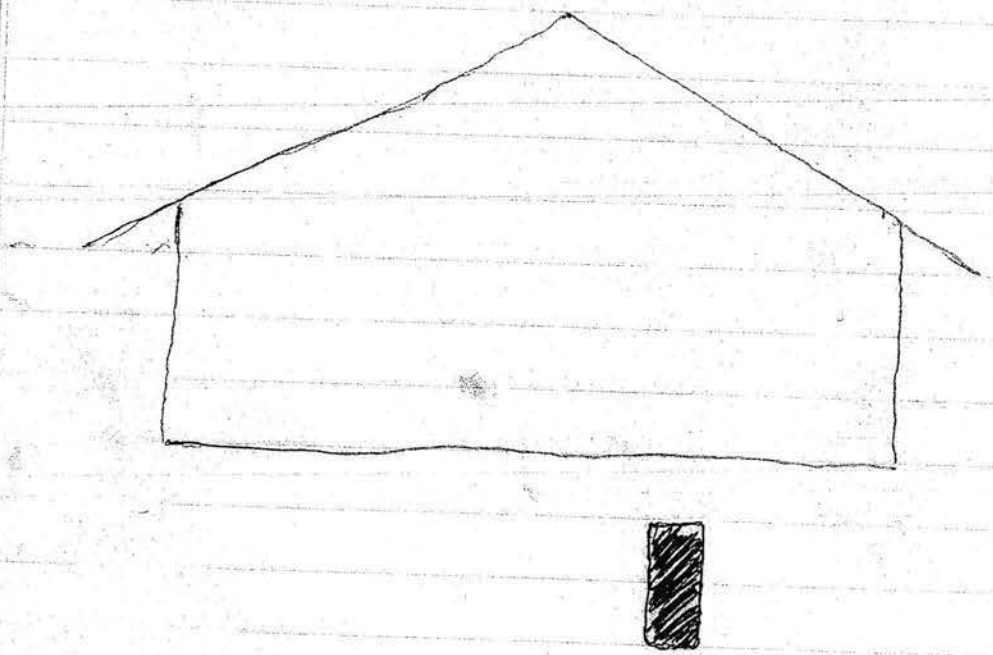
ANALYTICAL RESULTS

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.

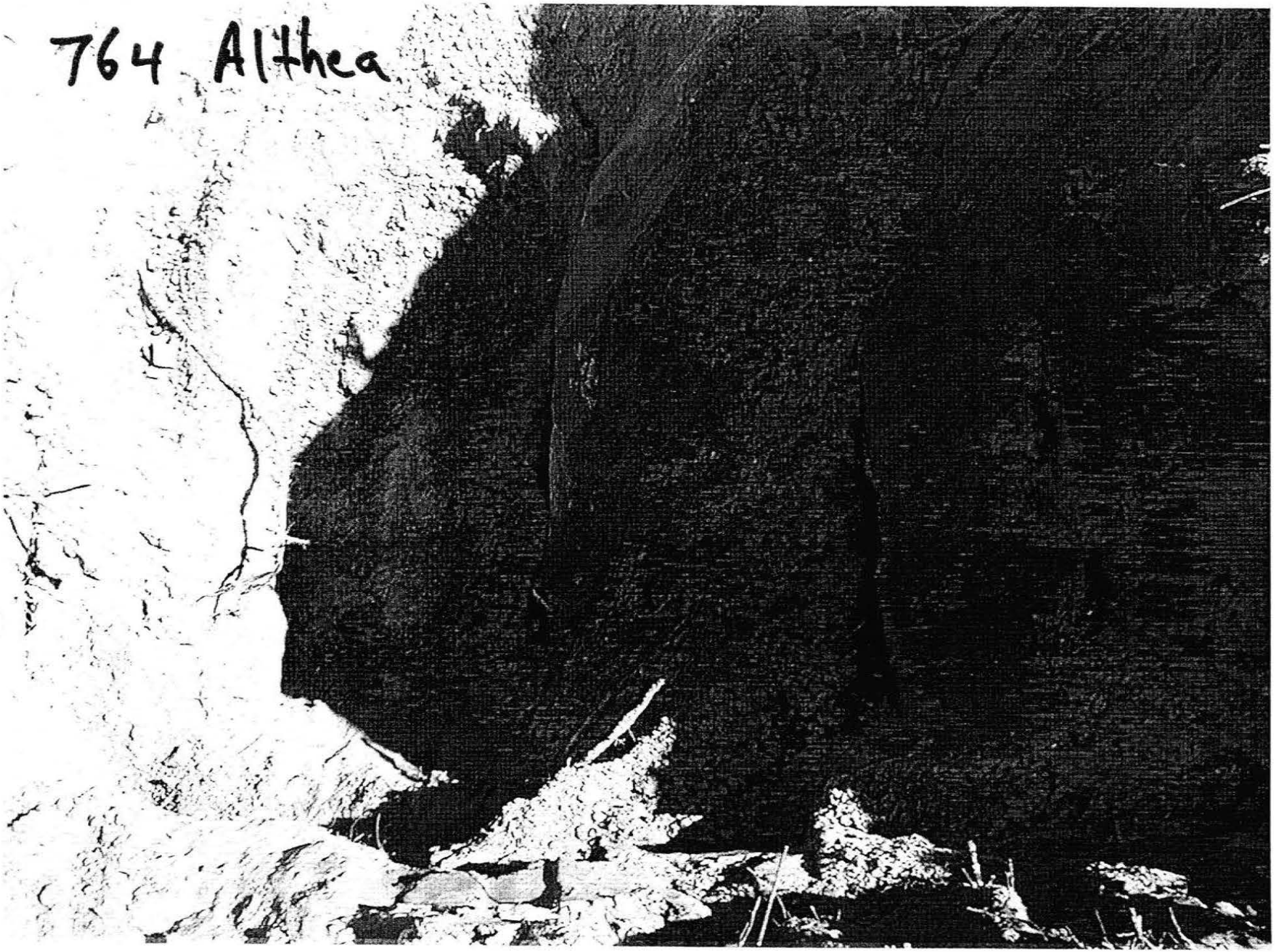
(Attach Certified Analytical Results and Chain-of-Custody Here)
(Please see Form #4)

770 no tank

764 · Althea



size of tank 5ft
length of hole 8ft
width " " 5ft 9in
depth " " 7ft 2in
house to center of tank 4ft 3in


764 Althea

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * 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.

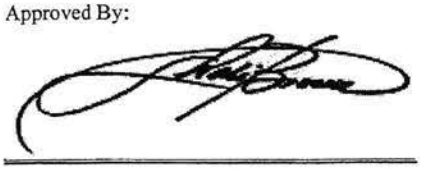
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager. Any opinions, if expressed, are outside 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 * 800-851-2560 * 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

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
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 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 %*									

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

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											

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

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 - 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

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

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.
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 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

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

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

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
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

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
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 * 800-851-2560 * 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

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
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

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
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 * 800-851-2560 * 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
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 * 800-851-2560 * 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: J Mahoney
Telephone Number: 8810467 Fax:
Sampler Name: (Print Name) Al Mancey
Sampler Signature: A. Mancey

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

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	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	REMARKS
Tom 435 ELDERBERRY	8-8	2:00											X	X		01
E 435 SW	8-8	2:05											X	X		02
Tom 437 ELDERBERRY	8-9	10:00											X	X		03
dE 437 SW	8-9	10:05											X	X		04
Tom 447 ELDERBERRY	8-9	3:55											X	X		05
447 SW	8-9	4:00											X	X		06
m 764 ALTHEA	8-9	1											X	X		07
dE 764 SW	8-9	1											X	X		08

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

Special Instructions:

	Date	Time		Date	Time
Relinquished By: A Mancey	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:

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 to TA-Orlando

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 7/24/08
Pace Project No.: 9224221

Sample: 764 Althea B **Lab ID: 9224221002** Collected: 07/24/08 15:10 Received: 07/26/08 08:45 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	0.20	1	07/29/08 00:00	07/30/08 21:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 21:57	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 21:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 21:57	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	07/29/08 00:00	07/30/08 21:57	206-44-0	
Fluorene	ND	ug/L	0.31	1	07/29/08 00:00	07/30/08 21:57	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 21:57	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	07/29/08 00:00	07/30/08 21:57	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	07/29/08 00:00	07/30/08 21:57	91-57-6	
Naphthalene	ND	ug/L	1.5	1	07/29/08 00:00	07/30/08 21:57	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 21:57	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 21:57	129-00-0	
Nitrobenzene-d5 (S)	56	%	50-150	1	07/29/08 00:00	07/30/08 21:57	4165-60-0	
2-Fluorobiphenyl (S)	56	%	50-150	1	07/29/08 00:00	07/30/08 21:57	321-60-8	
Terphenyl-d14 (S)	61	%	50-150	1	07/29/08 00:00	07/30/08 21:57	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/31/08 01:12	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/31/08 01:12	100-41-4	
Naphthalene	ND	ug/L	1.0	1		07/31/08 01:12	91-20-3	
Toluene	ND	ug/L	1.0	1		07/31/08 01:12	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		07/31/08 01:12	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		07/31/08 01:12	95-47-6	
4-Bromofluorobenzene (S)	94	%	87-109	1		07/31/08 01:12	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		07/31/08 01:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120	1		07/31/08 01:12	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		07/31/08 01:12	2037-26-5	

Sample: 764 Althea C **Lab ID: 9224221003** Collected: 07/24/08 15:30 Received: 07/26/08 08:45 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	07/29/08 00:00	07/30/08 22:25	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	07/29/08 00:00	07/30/08 22:25	208-96-8	
Anthracene	ND	ug/L	0.050	1	07/29/08 00:00	07/30/08 22:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 22:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	07/29/08 00:00	07/30/08 22:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:25	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 22:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:25	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	07/29/08 00:00	07/30/08 22:25	206-44-0	
Fluorene	ND	ug/L	0.31	1	07/29/08 00:00	07/30/08 22:25	86-73-7	

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 7/24/08
Pace Project No.: 9224221

Sample: 764 Althea C **Lab ID: 9224221003** Collected: 07/24/08 15:30 Received: 07/26/08 08:45 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	07/29/08 00:00	07/30/08 22:25	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	07/29/08 00:00	07/30/08 22:25	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	07/29/08 00:00	07/30/08 22:25	91-57-6	
Naphthalene	ND	ug/L	1.5	1	07/29/08 00:00	07/30/08 22:25	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:25	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 22:25	129-00-0	
Nitrobenzene-d5 (S)	52	%	50-150	1	07/29/08 00:00	07/30/08 22:25	4165-60-0	
2-Fluorobiphenyl (S)	61	%	50-150	1	07/29/08 00:00	07/30/08 22:25	321-60-8	
Terphenyl-d14 (S)	69	%	50-150	1	07/29/08 00:00	07/30/08 22:25	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		07/31/08 01:36	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		07/31/08 01:36	100-41-4	
Naphthalene	ND	ug/L	1.0	1		07/31/08 01:36	91-20-3	
Toluene	ND	ug/L	1.0	1		07/31/08 01:36	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		07/31/08 01:36	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		07/31/08 01:36	95-47-6	
4-Bromofluorobenzene (S)	95	%	87-109	1		07/31/08 01:36	460-00-4	
Dibromofluoromethane (S)	104	%	85-115	1		07/31/08 01:36	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120	1		07/31/08 01:36	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		07/31/08 01:36	2037-26-5	

Sample: 447 Elderberry A **Lab ID: 9224221004** Collected: 07/24/08 16:00 Received: 07/26/08 08:45 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	07/29/08 00:00	07/30/08 22:53	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	07/29/08 00:00	07/30/08 22:53	208-96-8	
Anthracene	ND	ug/L	0.050	1	07/29/08 00:00	07/30/08 22:53	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 22:53	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	07/29/08 00:00	07/30/08 22:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:53	207-08-9	
Chrysene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 22:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:53	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	07/29/08 00:00	07/30/08 22:53	206-44-0	
Fluorene	ND	ug/L	0.31	1	07/29/08 00:00	07/30/08 22:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:53	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	07/29/08 00:00	07/30/08 22:53	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	07/29/08 00:00	07/30/08 22:53	91-57-6	
Naphthalene	ND	ug/L	1.5	1	07/29/08 00:00	07/30/08 22:53	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	07/29/08 00:00	07/30/08 22:53	85-01-8	
Pyrene	ND	ug/L	0.10	1	07/29/08 00:00	07/30/08 22:53	129-00-0	

Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C

PROMOTE PROTECT PROSPER

2 November 2007

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

Re: MCAS – Laurel Bay Housing – 764 Althea
Site ID # 03748
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.

8 December 2008

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

Re: MCAS – Laurel Bay Housing – 764 Althea
Site ID # 03748
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