SUMMARY REPORT
112 BARRACUDA DRIVE (FORMERLY 907 BARRACUDA 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
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 112 Barracuda Drive (Formerly 907 Barracuda 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 112 Barracuda Drive (Formerly 907 Barracuda Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 907 Barracuda Drive* (MCAS Beaufort, 2007). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On August 22, 2006, a single 280 gallon heating oil UST was removed from the front yard area at 112 Barracuda Drive (Formerly 907 Barracuda Drive). The former UST location is indicated on of the figure in the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 6'2" bgs and a single sample was collected from that depth. An additional soil sample was

collected from the side of the excavation at an unspecified depth. The samples were collected from the fill port side of the former UST to represent a worst case scenario.

Following UST removal, soil samples were collected from the base and the side 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 112 Barracuda Drive (Formerly 907 Barracuda Drive) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 112 Barracuda Drive (Formerly 907 Barracuda Drive). This NFA determination was obtained in a letter dated October 26, 2007. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2007. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 907 Barracuda Drive, Laurel Bay Military Housing Area*, August 2007.

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

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

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

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

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

Table

Table 1
Laboratory Analytical Results - Soil
112 Barracuda Drive (Formerly 907 Barracuda Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 08/22/06	
		907 Barracuda -01 Bottom	907 Barracuda -02 Bottom
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	ND	ND
Naphthalene	0.036	ND	ND
Toluene	0.627	ND	ND
Xylenes, Total	13.01	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND
Chrysene	0.66	ND	ND
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 - milligram per kilogram

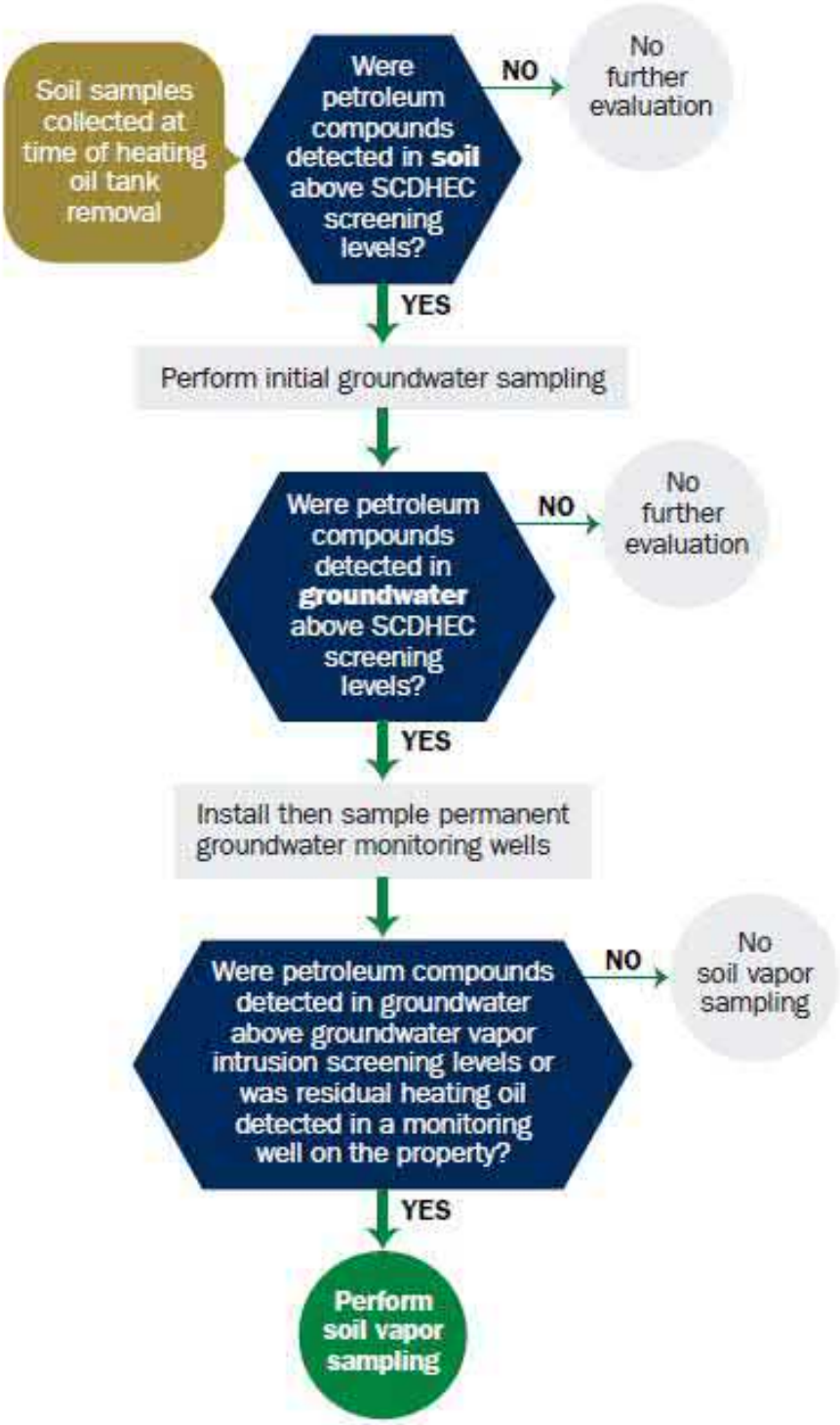
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

CDM - AECOM
Multimedia Joint Venture

907 BARRACUDA

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.....	8/22/06					
K. Visible Corrosion or Pitting Y/N.....	~					
L. Visible Holes Y/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.

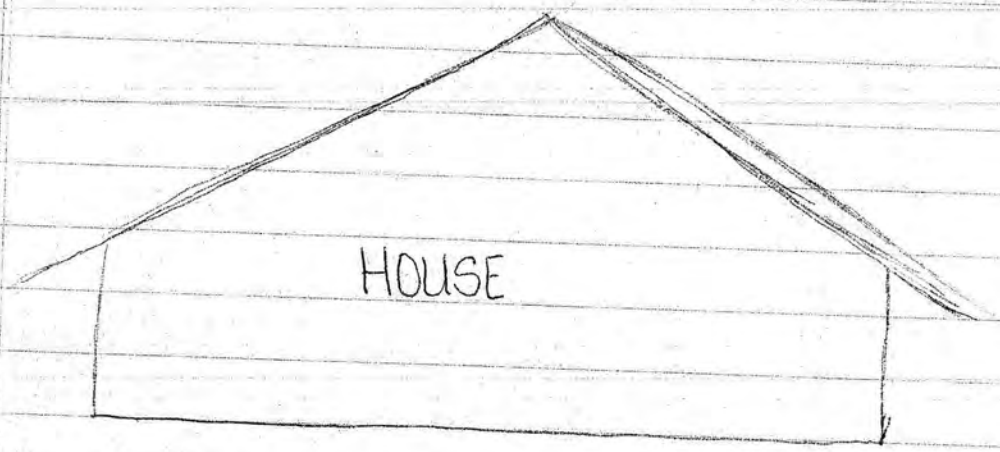
CoC	RBSL (µg/l)	W-1	W-2	W -3	W -4
Free Product Thickness	None				
Benzene	5				
Toluene	1,000				
Ethylbenzene	700				
Xylenes	10,000				
Total BTEX	N/A				
MTBE	40				
Naphthalene	25				
Benzo(a)anthracene	10				
Benzo(b)flouranthene	10				
Benzo(k)flouranthene	10				
Chrysene	10				
Dibenz(a,h)anthracene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

907 Barracuda



size of tank 5ft
length of hole 7ft
width " " 6ft 7in
depth " " ~~5ft 6~~ 6ft 2in
house to center of tank 5ft 6in

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

September 01, 2006

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

Attn: JOHN MAHONEY

Work Order: OPH0475
Project Name: LAUREL BAY
Project Number: EP2362
Date Received: 08/24/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1481 CARDINAL -01 BOTTOM	OPH0475-01	08/21/06 09:45
1481 CARDINAL -02 SIDE	OPH0475-02	08/21/06 09:50
1483 CARDINAL -01 BOTTOM	OPH0475-03	08/21/06 14:40
1483 CARDINAL -02 SIDE	OPH0475-04	08/21/06 14:45
1483 CARDINAL -03 BOTTOM	OPH0475-05	08/21/06 15:00
1483 CARDINAL -04 SIDE	OPH0475-06	08/21/06 15:00
908 BARRACUDA -01 BOTTOM	OPH0475-07	08/22/06 08:30
908 BARRACUDA -02 SIDE	OPH0475-08	08/22/06 08:30
907 BARRACUDA -01 BOTTOM	OPH0475-09	08/22/06 09:40
907 BARRACUDA -02 BOTTOM	OPH0475-10	08/22/06 09:40
944 ALBACORE -01 BOTTOM	OPH0475-11	08/22/06 13:00
944 ALBACORE -02 SIDE	OPH0475-12	08/22/06 13:10
948 ALBACORE -01	OPH0475-13	08/22/06 11:00
948 ALBACORE -02	OPH0475-14	08/22/06 11:00

Samples were received into laboratory at a temperature of 4.40 °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: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 1481 CARDINAL -01 BOTTOM - Lab Number: OPH0475-01 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**88.8**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28057
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.166	U	ug/kg dry	0.166	0.453	1	08/25/06 17:56	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.191	U	ug/kg dry	0.191	0.453	1	08/25/06 17:56	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.250	U	ug/kg dry	0.250	0.453	1	08/25/06 17:56	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.391	U	ug/kg dry	0.391	0.453	1	08/25/06 17:56	JLS	EPA 8260B	6H28052
1330-20-7	**Xylenes, total**	**0.380**	I	ug/kg dry	0.235	0.453	1	08/25/06 17:56	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*120 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*86 %*									
Surrogate: Dibromofluoromethane (55-145%)		*110 %*									
Surrogate: Toluene-d8 (80-117%)		*96 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	83.3	U	ug/kg dry	83.3	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
208-96-8	Acenaphthylene	110	U	ug/kg dry	110	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
120-12-7	Anthracene	60.0	U	ug/kg dry	60.0	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
56-55-3	Benzo (a) anthracene	20.4	U	ug/kg dry	20.4	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
205-99-2	Benzo (b) fluoranthene	19.8	U	ug/kg dry	19.8	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
207-08-9	Benzo (k) fluoranthene	19.8	U	ug/kg dry	19.8	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
191-24-2	Benzo (g,h,i) perylene	19.5	U	ug/kg dry	19.5	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
50-32-8	Benzo (a) pyrene	23.1	U	ug/kg dry	23.1	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
90-12-0	1-Methylnaphthalene	94.4	U	ug/kg dry	94.4	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
218-01-9	Chrysene	22.5	U	ug/kg dry	22.5	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
53-70-3	Dibenz (a,h) anthracene	24.7	U	ug/kg dry	24.7	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
206-44-0	Fluoranthene	27.0	U	ug/kg dry	27.0	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
86-73-7	Fluorene	73.6	U	ug/kg dry	73.6	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
193-39-5	Indeno (1,2,3-cd) pyrene	24.3	U	ug/kg dry	24.3	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
91-57-6	2-Methylnaphthalene	80.2	U	ug/kg dry	80.2	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
91-20-3	Naphthalene	75.5	U	ug/kg dry	75.5	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
85-01-8	Phenanthrene	44.4	U	ug/kg dry	44.4	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
129-00-0	Pyrene	38.2	U	ug/kg dry	38.2	188	1	08/28/06 21:20	LCS	EPA 8270C	6H25007
Surrogate: 2-Fluorobiphenyl (24-121%)		*105 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*35 %*									
Surrogate: Terphenyl-d14 (44-171%)		*94 %*									

LABORATORY REPORT
Sample ID: 1481 CARDINAL -02 SIDE - Lab Number: OPH0475-02 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**90.9**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28057
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.177	U	ug/kg dry	0.177	0.483	1	08/25/06 22:16	JLS	EPA 8260B	6H28052
100-41-4	**Ethylbenzene**	**0.232**	I	ug/kg dry	0.204	0.483	1	08/25/06 22:16	JLS	EPA 8260B	6H28052

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT

Sample ID: 1481 CARDINAL -02 SIDE - Lab Number: OPH0475-02 - 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	0.267	U	ug/kg dry	0.267	0.483	1	08/25/06 22:16	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.417	U	ug/kg dry	0.417	0.483	1	08/25/06 22:16	JLS	EPA 8260B	6H28052
1330-20-7	**Xylenes, total**	**0.598**		ug/kg dry	0.251	0.483	1	08/25/06 22:16	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*110 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*102 %*									
Surrogate: Dibromofluoromethane (55-145%)		*104 %*									
Surrogate: Toluene-d8 (80-117%)		*104 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	81.4	U	ug/kg dry	81.4	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
208-96-8	Acenaphthylene	107	U	ug/kg dry	107	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
120-12-7	Anthracene	58.6	U	ug/kg dry	58.6	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
56-55-3	Benzo (a) anthracene	19.9	U	ug/kg dry	19.9	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
205-99-2	Benzo (b) fluoranthene	19.3	U	ug/kg dry	19.3	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
207-08-9	Benzo (k) fluoranthene	19.3	U	ug/kg dry	19.3	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
191-24-2	Benzo (g,h,i) perylene	19.1	U	ug/kg dry	19.1	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
50-32-8	Benzo (a) pyrene	22.6	U	ug/kg dry	22.6	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
90-12-0	1-Methylnaphthalene	92.2	U	ug/kg dry	92.2	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
218-01-9	Chrysene	22.0	U	ug/kg dry	22.0	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
53-70-3	Dibenz (a,h) anthracene	24.1	U	ug/kg dry	24.1	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
206-44-0	Fluoranthene	26.4	U	ug/kg dry	26.4	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
86-73-7	Fluorene	71.9	U	ug/kg dry	71.9	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
193-39-5	Indeno (1,2,3-cd) pyrene	23.8	U	ug/kg dry	23.8	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
91-57-6	2-Methylnaphthalene	78.3	U	ug/kg dry	78.3	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
91-20-3	Naphthalene	73.8	U	ug/kg dry	73.8	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
85-01-8	Phenanthrene	43.3	U	ug/kg dry	43.3	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
129-00-0	Pyrene	37.3	U	ug/kg dry	37.3	184	1	08/28/06 21:48	LCS	EPA 8270C	6H25007
Surrogate: 2-Fluorobiphenyl (24-121%)		*89 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*76 %*									
Surrogate: Terphenyl-d14 (44-171%)		*91 %*									

LABORATORY REPORT

Sample ID: 1483 CARDINAL -01 BOTTOM - Lab Number: OPH0475-03 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**79.1**		%	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28057
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**0.376**	J	ug/kg dry	0.181	0.495	1	08/25/06 22:33	JLS	EPA 8260B	6H28052
100-41-4	**Ethylbenzene**	**9.97**		ug/kg dry	0.209	0.495	1	08/25/06 22:33	JLS	EPA 8260B	6H28052
91-20-3	**Naphthalene**	**3740**		ug/kg dry	14.0	25.3	50	08/29/06 02:38	JLS	EPA 8260B	6H28052
108-88-3	**Toluene**	**1.24**		ug/kg dry	0.427	0.495	1	08/25/06 22:33	JLS	EPA 8260B	6H28052
1330-20-7	**Xylenes, total**	**2.40**		ug/kg dry	0.257	0.495	1	08/25/06 22:33	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*118 %*									

Client: EPG, INC.
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MT PLEASANT, SC 29465
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Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT

Sample ID: 1483 CARDINAL -01 BOTTOM - Lab Number: OPH0475-03 - 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: 1,2-Dichloroethane-d4 (73-137%)		*98 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*95 %*									
Surrogate: Dibromofluoromethane (55-145%)		*112 %*									
Surrogate: Dibromofluoromethane (55-145%)		*101 %*									
Surrogate: Toluene-d8 (80-117%)		*83 %*									
Surrogate: Toluene-d8 (80-117%)		*104 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	**Acenaphthene**	**742**		ug/kg dry	93.6	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
208-96-8	Acenaphthylene	123	U	ug/kg dry	123	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
120-12-7	**Anthracene**	**930**		ug/kg dry	67.3	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
56-55-3	**Benzo (a) anthracene**	**2460**		ug/kg dry	22.9	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
205-99-2	**Benzo (b) fluoranthene**	**2040**		ug/kg dry	22.2	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
207-08-9	**Benzo (k) fluoranthene**	**2130**		ug/kg dry	22.2	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
191-24-2	**Benzo (g,h,i) perylene**	**272**		ug/kg dry	21.9	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
50-32-8	**Benzo (a) pyrene**	**866**		ug/kg dry	26.0	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
90-12-0	**1-Methylnaphthalene**	**4080**		ug/kg dry	1060	2110	10	08/29/06 10:32	LCS/S	EPA 8270C	6H25007
218-01-9	**Chrysene**	**2300**		ug/kg dry	25.3	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
53-70-3	Dibenz (a,h) anthracene	27.7	U	ug/kg dry	27.7	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
206-44-0	Fluoranthene	30.4	U	ug/kg dry	30.4	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
86-73-7	**Fluorene**	**1590**		ug/kg dry	82.6	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
193-39-5	**Indeno (1,2,3-cd) pyrene**	**286**		ug/kg dry	27.3	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
91-57-6	2-Methylnaphthalene	90.0	U	ug/kg dry	90.0	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
91-20-3	**Naphthalene**	**1030**	I	ug/kg dry	848	2110	10	08/29/06 10:32	LCS/S	EPA 8270C	6H25007
85-01-8	**Phenanthrene**	**7680**		ug/kg dry	49.8	211	1	08/28/06 23:04	LCS/S	EPA 8270C	6H25007
129-00-0	**Pyrene**	**6610**		ug/kg dry	429	2110	10	08/29/06 10:32	LCS/S	EPA 8270C	6H25007
Surrogate: 2-Fluorobiphenyl (24-121%)		*87 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*67 %*									
Surrogate: Terphenyl-d14 (44-171%)		*99 %*									

LABORATORY REPORT

Sample ID: 1483 CARDINAL -02 SIDE - Lab Number: OPH0475-04 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**78.2**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28057
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**0.243**	I	ug/kg dry	0.194	0.529	1	08/25/06 22:50	JLS	EPA 8260B	6H28052
100-41-4	**Ethylbenzene**	**2.48**		ug/kg dry	0.224	0.529	1	08/25/06 22:50	JLS	EPA 8260B	6H28052
91-20-3	**Naphthalene**	**71.1**		ug/kg dry	0.292	0.529	1	08/25/06 22:50	JLS	EPA 8260B	6H28052
108-88-3	**Toluene**	**3.29**		ug/kg dry	0.457	0.529	1	08/25/06 22:50	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.275	U	ug/kg dry	0.275	0.529	1	08/25/06 22:50	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*137 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*17 %*	J1								

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 1483 CARDINAL -02 SIDE - Lab Number: OPH0475-04 - 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: Dibromofluoromethane (55-145%)		*124 %*									
Surrogate: Toluene-d8 (80-117%)		*68 %*	JI								
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	94.6	U	ug/kg dry	94.6	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
208-96-8	Acenaphthylene	125	U	ug/kg dry	125	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
120-12-7	Anthracene	68.1	U	ug/kg dry	68.1	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
56-55-3	**Benzo (a) anthracene**	**446**		ug/kg dry	23.1	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
205-99-2	**Benzo (b) fluoranthene**	**740**		ug/kg dry	22.5	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
207-08-9	**Benzo (k) fluoranthene**	**534**		ug/kg dry	22.5	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
191-24-2	**Benzo (g,h,i) perylene**	**730**		ug/kg dry	22.2	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
50-32-8	**Benzo (a) pyrene**	**451**		ug/kg dry	26.3	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
90-12-0	1-Methylnaphthalene	107	U	ug/kg dry	107	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
218-01-9	**Chrysene**	**498**		ug/kg dry	25.5	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
53-70-3	Dibenz (a,h) anthracene	28.0	U	ug/kg dry	28.0	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
206-44-0	Fluoranthene	30.7	U	ug/kg dry	30.7	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
86-73-7	Fluorene	83.6	U	ug/kg dry	83.6	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
193-39-5	**Indeno (1,2,3-cd) pyrene**	**691**		ug/kg dry	27.6	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
91-57-6	2-Methylnaphthalene	91.1	U	ug/kg dry	91.1	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
91-20-3	Naphthalene	85.8	U	ug/kg dry	85.8	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
85-01-8	Phenanthrene	50.4	U	ug/kg dry	50.4	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
129-00-0	**Pyrene**	**372**		ug/kg dry	43.4	214	1	08/28/06 23:32	LCS	EPA 8270C	6H25007
Surrogate: 2-Fluorobiphenyl (24-121%)		*59 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*53 %*									
Surrogate: Terphenyl-d14 (44-171%)		*76 %*									

LABORATORY REPORT
Sample ID: 1483 CARDINAL -03 BOTTOM - Lab Number: OPH0475-05 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**92.6**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28057
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.193	U	ug/kg dry	0.193	0.526	1	08/25/06 23:08	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.223	U	ug/kg dry	0.223	0.526	1	08/25/06 23:08	JLS	EPA 8260B	6H28052
91-20-3	**Naphthalene**	**2.07**		ug/kg dry	0.291	0.526	1	08/25/06 23:08	JLS	EPA 8260B	6H28052
108-88-3	**Toluene**	**0.937**		ug/kg dry	0.455	0.526	1	08/25/06 23:08	JLS	EPA 8260B	6H28052
1330-20-7	**Xylenes, total**	**0.421**	I	ug/kg dry	0.273	0.526	1	08/25/06 23:08	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*116 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*86 %*									
Surrogate: Dibromofluoromethane (55-145%)		*107 %*									
Surrogate: Toluene-d8 (80-117%)		*98 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.9	U	ug/kg dry	79.9	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT

Sample ID: 1483 CARDINAL -03 BOTTOM - Lab Number: OPH0475-05 - 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.											
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	57.5	U	ug/kg dry	57.5	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	19.5	U	ug/kg dry	19.5	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	18.7	U	ug/kg dry	18.7	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	22.2	U	ug/kg dry	22.2	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	90.5	U	ug/kg dry	90.5	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	21.6	U	ug/kg dry	21.6	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	23.7	U	ug/kg dry	23.7	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	70.6	U	ug/kg dry	70.6	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	23.3	U	ug/kg dry	23.3	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
91-57-6	**2-Methylnaphthalene**	115	I	ug/kg dry	76.9	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	72.4	U	ug/kg dry	72.4	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	42.5	U	ug/kg dry	42.5	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	36.6	U	ug/kg dry	36.6	180	1	08/30/06 11:38	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*77 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*68 %*									
Surrogate: Terphenyl-d14 (44-171%)		*73 %*									

LABORATORY REPORT

Sample ID: 1483 CARDINAL -04 SIDE - Lab Number: OPH0475-06 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**95.2**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28057
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.186	U	ug/kg dry	0.186	0.508	1	08/25/06 23:25	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.215	U	ug/kg dry	0.215	0.508	1	08/25/06 23:25	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.281	U	ug/kg dry	0.281	0.508	1	08/25/06 23:25	JLS	EPA 8260B	6H28052
108-88-3	**Toluene**	**0.904**		ug/kg dry	0.439	0.508	1	08/25/06 23:25	JLS	EPA 8260B	6H28052
1330-20-7	**Xylenes, total**	**0.569**		ug/kg dry	0.264	0.508	1	08/25/06 23:25	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*120 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*94 %*									
Surrogate: Dibromofluoromethane (55-145%)		*108 %*									
Surrogate: Toluene-d8 (80-117%)		*100 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	77.7	U	ug/kg dry	77.7	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	103	U	ug/kg dry	103	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	55.9	U	ug/kg dry	55.9	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	19.0	U	ug/kg dry	19.0	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	18.5	U	ug/kg dry	18.5	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 1483 CARDINAL -04 SIDE - Lab Number: OPH0475-06 - 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.											
207-08-9	Benzo (k) fluoranthene	18.5	U	ug/kg dry	18.5	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	18.2	U	ug/kg dry	18.2	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	21.6	U	ug/kg dry	21.6	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	88.1	U	ug/kg dry	88.1	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	21.0	U	ug/kg dry	21.0	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	23.0	U	ug/kg dry	23.0	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	25.2	U	ug/kg dry	25.2	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	68.7	U	ug/kg dry	68.7	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	22.7	U	ug/kg dry	22.7	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	74.8	U	ug/kg dry	74.8	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	70.4	U	ug/kg dry	70.4	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	41.4	U	ug/kg dry	41.4	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	35.6	U	ug/kg dry	35.6	175	1	08/30/06 12:06	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*75 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*66 %*									
Surrogate: Terphenyl-d14 (44-171%)		*80 %*									

LABORATORY REPORT
Sample ID: 908 BARRACUDA -01 BOTTOM - Lab Number: OPH0475-07 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**88.6**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28057
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.196	U	ug/kg dry	0.196	0.536	1	08/25/06 23:42	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.227	U	ug/kg dry	0.227	0.536	1	08/25/06 23:42	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.296	U	ug/kg dry	0.296	0.536	1	08/25/06 23:42	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.463	U	ug/kg dry	0.463	0.536	1	08/25/06 23:42	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.279	U	ug/kg dry	0.279	0.536	1	08/25/06 23:42	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*111 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*100 %*									
Surrogate: Dibromofluoromethane (55-145%)		*105 %*									
Surrogate: Toluene-d8 (80-117%)		*103 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	83.5	U	ug/kg dry	83.5	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	110	U	ug/kg dry	110	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	60.1	U	ug/kg dry	60.1	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	20.4	U	ug/kg dry	20.4	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	19.8	U	ug/kg dry	19.8	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	19.8	U	ug/kg dry	19.8	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	19.6	U	ug/kg dry	19.6	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	23.2	U	ug/kg dry	23.2	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	94.6	U	ug/kg dry	94.6	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 908 BARRACUDA -01 BOTTOM - Lab Number: OPH0475-07 - 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.											
218-01-9	Chrysene	22.6	U	ug/kg dry	22.6	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	24.8	U	ug/kg dry	24.8	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	27.1	U	ug/kg dry	27.1	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	73.8	U	ug/kg dry	73.8	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	24.4	U	ug/kg dry	24.4	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	80.4	U	ug/kg dry	80.4	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	75.7	U	ug/kg dry	75.7	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	44.5	U	ug/kg dry	44.5	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	38.3	U	ug/kg dry	38.3	188	1	08/30/06 12:34	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*74 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*65 %*									
Surrogate: Terphenyl-d14 (44-171%)		*76 %*									

LABORATORY REPORT
Sample ID: 908 BARRACUDA -02 SIDE - Lab Number: OPH0475-08 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	% Solids	**97.6**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28058
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.203	U	ug/kg dry	0.203	0.554	1	08/25/06 23:59	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.235	U	ug/kg dry	0.235	0.554	1	08/25/06 23:59	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.306	U	ug/kg dry	0.306	0.554	1	08/25/06 23:59	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.479	U	ug/kg dry	0.479	0.554	1	08/25/06 23:59	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.288	U	ug/kg dry	0.288	0.554	1	08/25/06 23:59	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*114 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*105 %*									
Surrogate: Dibromofluoromethane (55-145%)		*105 %*									
Surrogate: Toluene-d8 (80-117%)		*104 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	75.8	U	ug/kg dry	75.8	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	100	U	ug/kg dry	100	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	54.6	U	ug/kg dry	54.6	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	18.5	U	ug/kg dry	18.5	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	18.0	U	ug/kg dry	18.0	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	18.0	U	ug/kg dry	18.0	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	17.8	U	ug/kg dry	17.8	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	21.1	U	ug/kg dry	21.1	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	85.9	U	ug/kg dry	85.9	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	20.5	U	ug/kg dry	20.5	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	22.5	U	ug/kg dry	22.5	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	24.6	U	ug/kg dry	24.6	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	67.0	U	ug/kg dry	67.0	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT

Sample ID: 908 BARRACUDA -02 SIDE - Lab Number: OPH0475-08 - 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.											
193-39-5	Indeno (1,2,3-cd) pyrene	22.2	U	ug/kg dry	22.2	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	73.0	U	ug/kg dry	73.0	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	68.7	U	ug/kg dry	68.7	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	40.4	U	ug/kg dry	40.4	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	34.8	U	ug/kg dry	34.8	171	1	08/30/06 13:01	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*59 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*49 %*									
Surrogate: Terphenyl-d14 (44-171%)		*57 %*									

LABORATORY REPORT

Sample ID: 907 BARRACUDA -01 BOTTOM - Lab Number: OPH0475-09 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**93.4**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28058
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.210	U	ug/kg dry	0.210	0.573	1	08/26/06 00:17	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.242	U	ug/kg dry	0.242	0.573	1	08/26/06 00:17	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.317	U	ug/kg dry	0.317	0.573	1	08/26/06 00:17	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.495	U	ug/kg dry	0.495	0.573	1	08/26/06 00:17	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.298	U	ug/kg dry	0.298	0.573	1	08/26/06 00:17	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*114 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*103 %*									
Surrogate: Dibromofluoromethane (55-145%)		*106 %*									
Surrogate: Toluene-d8 (80-117%)		*105 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.2	U	ug/kg dry	79.2	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	57.0	U	ug/kg dry	57.0	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	19.4	U	ug/kg dry	19.4	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	18.8	U	ug/kg dry	18.8	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	18.8	U	ug/kg dry	18.8	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	18.6	U	ug/kg dry	18.6	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	22.0	U	ug/kg dry	22.0	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	89.8	U	ug/kg dry	89.8	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	21.4	U	ug/kg dry	21.4	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	23.5	U	ug/kg dry	23.5	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	25.7	U	ug/kg dry	25.7	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	70.0	U	ug/kg dry	70.0	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	23.1	U	ug/kg dry	23.1	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	76.2	U	ug/kg dry	76.2	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	71.8	U	ug/kg dry	71.8	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	42.2	U	ug/kg dry	42.2	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 907 BARRACUDA -01 BOTTOM - Lab Number: OPH0475-09 - 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.											
129-00-0	Pyrene	36.3	U	ug/kg dry	36.3	179	1	08/30/06 13:29	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*88 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*78 %*									
Surrogate: Terphenyl-d14 (44-171%)		*87 %*									

LABORATORY REPORT
Sample ID: 907 BARRACUDA -02 BOTTOM - Lab Number: OPH0475-10 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**92.9**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28058
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.214	U	ug/kg dry	0.214	0.584	1	08/26/06 00:34	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.247	U	ug/kg dry	0.247	0.584	1	08/26/06 00:34	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.322	U	ug/kg dry	0.322	0.584	1	08/26/06 00:34	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.504	U	ug/kg dry	0.504	0.584	1	08/26/06 00:34	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.303	U	ug/kg dry	0.303	0.584	1	08/26/06 00:34	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*112 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*103 %*									
Surrogate: Dibromofluoromethane (55-145%)		*105 %*									
Surrogate: Toluene-d8 (80-117%)		*104 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.7	U	ug/kg dry	79.7	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	57.3	U	ug/kg dry	57.3	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	19.5	U	ug/kg dry	19.5	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	18.9	U	ug/kg dry	18.9	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	18.9	U	ug/kg dry	18.9	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	18.7	U	ug/kg dry	18.7	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	22.1	U	ug/kg dry	22.1	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	90.2	U	ug/kg dry	90.2	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	21.5	U	ug/kg dry	21.5	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	23.6	U	ug/kg dry	23.6	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	70.4	U	ug/kg dry	70.4	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	23.3	U	ug/kg dry	23.3	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	76.6	U	ug/kg dry	76.6	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	72.2	U	ug/kg dry	72.2	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	42.4	U	ug/kg dry	42.4	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	36.5	U	ug/kg dry	36.5	180	1	08/30/06 13:57	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*73 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*65 %*									
Surrogate: Terphenyl-d14 (44-171%)		*70 %*									

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 944 ALBACORE -01 BOTTOM - Lab Number: OPH0475-11 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**94.3**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28058
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.191	U	ug/kg dry	0.191	0.523	1	08/26/06 00:51	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.221	U	ug/kg dry	0.221	0.523	1	08/26/06 00:51	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.289	U	ug/kg dry	0.289	0.523	1	08/26/06 00:51	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.452	U	ug/kg dry	0.452	0.523	1	08/26/06 00:51	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.272	U	ug/kg dry	0.272	0.523	1	08/26/06 00:51	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*116 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*103 %*									
Surrogate: Dibromofluoromethane (55-145%)		*107 %*									
Surrogate: Toluene-d8 (80-117%)		*104 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	78.5	U	ug/kg dry	78.5	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	104	U	ug/kg dry	104	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	56.5	U	ug/kg dry	56.5	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	19.2	U	ug/kg dry	19.2	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	18.6	U	ug/kg dry	18.6	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	18.6	U	ug/kg dry	18.6	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	18.4	U	ug/kg dry	18.4	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	21.8	U	ug/kg dry	21.8	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	88.9	U	ug/kg dry	88.9	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	21.2	U	ug/kg dry	21.2	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	23.3	U	ug/kg dry	23.3	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	25.5	U	ug/kg dry	25.5	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	69.3	U	ug/kg dry	69.3	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	22.9	U	ug/kg dry	22.9	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	75.5	U	ug/kg dry	75.5	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	71.1	U	ug/kg dry	71.1	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	41.8	U	ug/kg dry	41.8	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	36.0	U	ug/kg dry	36.0	177	1	08/30/06 14:25	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*89 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*79 %*									
Surrogate: Terphenyl-d14 (44-171%)		*86 %*									

LABORATORY REPORT
Sample ID: 944 ALBACORE -02 SIDE - Lab Number: OPH0475-12 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**95.0**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28058
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.197	U	ug/kg dry	0.197	0.539	1	08/26/06 01:08	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.228	U	ug/kg dry	0.228	0.539	1	08/26/06 01:08	JLS	EPA 8260B	6H28052

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 944 ALBACORE -02 SIDE - Lab Number: OPH0475-12 - 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	0.298	U	ug/kg dry	0.298	0.539	1	08/26/06 01:08	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.466	U	ug/kg dry	0.466	0.539	1	08/26/06 01:08	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.280	U	ug/kg dry	0.280	0.539	1	08/26/06 01:08	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*117 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*101 %*									
Surrogate: Dibromofluoromethane (55-145%)		*108 %*									
Surrogate: Toluene-d8 (80-117%)		*106 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	77.9	U	ug/kg dry	77.9	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	103	U	ug/kg dry	103	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	56.1	U	ug/kg dry	56.1	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	19.0	U	ug/kg dry	19.0	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	18.5	U	ug/kg dry	18.5	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	18.5	U	ug/kg dry	18.5	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	18.2	U	ug/kg dry	18.2	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	21.6	U	ug/kg dry	21.6	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	88.2	U	ug/kg dry	88.2	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	21.0	U	ug/kg dry	21.0	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	23.1	U	ug/kg dry	23.1	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	25.3	U	ug/kg dry	25.3	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	68.8	U	ug/kg dry	68.8	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	22.8	U	ug/kg dry	22.8	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	75.0	U	ug/kg dry	75.0	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	70.6	U	ug/kg dry	70.6	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	41.5	U	ug/kg dry	41.5	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	35.7	U	ug/kg dry	35.7	176	1	08/30/06 14:53	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*72 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*64 %*									
Surrogate: Terphenyl-d14 (44-171%)		*72 %*									

LABORATORY REPORT
Sample ID: 948 ALBACORE -01 - Lab Number: OPH0475-13 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	% Solids	**92.9**		%.	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28058
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.201	U	ug/kg dry	0.201	0.548	1	08/26/06 01:25	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.232	U	ug/kg dry	0.232	0.548	1	08/26/06 01:25	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.303	U	ug/kg dry	0.303	0.548	1	08/26/06 01:25	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.473	U	ug/kg dry	0.473	0.548	1	08/26/06 01:25	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.285	U	ug/kg dry	0.285	0.548	1	08/26/06 01:25	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*111 %*									

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT
Sample ID: 948 ALBACORE -01 - Lab Number: OPH0475-13 - 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%)		*93 %*									
Surrogate: Dibromofluoromethane (55-145%)		*106 %*									
Surrogate: Toluene-d8 (80-117%)		*103 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.7	U	ug/kg dry	79.7	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	57.3	U	ug/kg dry	57.3	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	19.5	U	ug/kg dry	19.5	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	18.9	U	ug/kg dry	18.9	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	18.9	U	ug/kg dry	18.9	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	18.7	U	ug/kg dry	18.7	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	22.1	U	ug/kg dry	22.1	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	90.2	U	ug/kg dry	90.2	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	21.5	U	ug/kg dry	21.5	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	23.6	U	ug/kg dry	23.6	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	70.4	U	ug/kg dry	70.4	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	23.3	U	ug/kg dry	23.3	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	76.6	U	ug/kg dry	76.6	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	72.2	U	ug/kg dry	72.2	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	42.4	U	ug/kg dry	42.4	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	36.5	U	ug/kg dry	36.5	180	1	08/30/06 15:21	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*82 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*73 %*									
Surrogate: Terphenyl-d14 (44-171%)		*89 %*									

LABORATORY REPORT
Sample ID: 948 ALBACORE -02 - Lab Number: OPH0475-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**90.4**		%	0.100	0.100	1	08/28/06 16:00	AKA	EPA 160.3	6H28058
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.204	U	ug/kg dry	0.204	0.558	1	08/26/06 01:43	JLS	EPA 8260B	6H28052
100-41-4	Ethylbenzene	0.236	U	ug/kg dry	0.236	0.558	1	08/26/06 01:43	JLS	EPA 8260B	6H28052
91-20-3	Naphthalene	0.308	U	ug/kg dry	0.308	0.558	1	08/26/06 01:43	JLS	EPA 8260B	6H28052
108-88-3	Toluene	0.482	U	ug/kg dry	0.482	0.558	1	08/26/06 01:43	JLS	EPA 8260B	6H28052
1330-20-7	Xylenes, total	0.290	U	ug/kg dry	0.290	0.558	1	08/26/06 01:43	JLS	EPA 8260B	6H28052
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*116 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*102 %*									
Surrogate: Dibromofluoromethane (55-145%)		*106 %*									
Surrogate: Toluene-d8 (80-117%)		*105 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											

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: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

LABORATORY REPORT

Sample ID: 948 ALBACORE -02 - Lab Number: OPH0475-14 - 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	81.9	U	ug/kg dry	81.9	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
208-96-8	Acenaphthylene	108	U	ug/kg dry	108	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
120-12-7	Anthracene	58.9	U	ug/kg dry	58.9	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
56-55-3	Benzo (a) anthracene	20.0	U	ug/kg dry	20.0	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
205-99-2	Benzo (b) fluoranthene	19.4	U	ug/kg dry	19.4	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
207-08-9	Benzo (k) fluoranthene	19.4	U	ug/kg dry	19.4	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
191-24-2	Benzo (g,h,i) perylene	19.2	U	ug/kg dry	19.2	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
50-32-8	Benzo (a) pyrene	22.7	U	ug/kg dry	22.7	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
90-12-0	1-Methylnaphthalene	92.7	U	ug/kg dry	92.7	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
218-01-9	Chrysene	22.1	U	ug/kg dry	22.1	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
53-70-3	Dibenz (a,h) anthracene	24.3	U	ug/kg dry	24.3	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
206-44-0	Fluoranthene	26.6	U	ug/kg dry	26.6	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
86-73-7	Fluorene	72.3	U	ug/kg dry	72.3	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
193-39-5	Indeno (1,2,3-cd) pyrene	23.9	U	ug/kg dry	23.9	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
91-57-6	2-Methylnaphthalene	78.8	U	ug/kg dry	78.8	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
91-20-3	Naphthalene	74.2	U	ug/kg dry	74.2	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
85-01-8	Phenanthrene	43.6	U	ug/kg dry	43.6	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
129-00-0	Pyrene	37.5	U	ug/kg dry	37.5	185	1	08/30/06 15:49	LCS	EPA 8270C	6H28012
Surrogate: 2-Fluorobiphenyl (24-121%)		*74 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*64 %*									
Surrogate: Terphenyl-d14 (44-171%)		*80 %*									

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: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

SAMPLE EXTRACTION DATA

Parameter	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Method
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-01	30.0 g	1.0 mL	08/25/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-02	30.0 g	1.0 mL	08/25/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-03	30.0 g	1.0 mL	08/25/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-04	30.0 g	1.0 mL	08/25/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-05	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-06	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-07	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-08	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-09	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-10	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-11	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-12	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-13	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0475-14	30.0 g	1.0 mL	08/28/2006	PXN	EPA 3545 MS

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PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
General Chemistry Parameters					
% Solids	0.100	U	%.	6H28057	6H28057-BLK1
% Solids	0.100	U	%.	6H28058	6H28058-BLK1
Volatile Organic Compounds by EPA Method 8260B					
Benzene	0.183	U	ug/kg wet	6H28052	6H28052-BLK1
Benzene	0.183	U	ug/kg wet	6H28052	6H28052-BLK2
Ethylbenzene	0.212	U	ug/kg wet	6H28052	6H28052-BLK1
Ethylbenzene	0.212	U	ug/kg wet	6H28052	6H28052-BLK2
Naphthalene	0.276	U	ug/kg wet	6H28052	6H28052-BLK1
Naphthalene	0.276	U	ug/kg wet	6H28052	6H28052-BLK2
Toluene	0.432	U	ug/kg wet	6H28052	6H28052-BLK1
Toluene	0.432	U	ug/kg wet	6H28052	6H28052-BLK2
Xylenes, total	0.260	U	ug/kg wet	6H28052	6H28052-BLK1
Xylenes, total	0.260	U	ug/kg wet	6H28052	6H28052-BLK2
Surrogate: 1,2-Dichloroethane-d4	50.0		ug/kg wet	6H28052	6H28052-BLK2
Surrogate: 1,2-Dichloroethane-d4	50.5		ug/kg wet	6H28052	6H28052-BLK1
Surrogate: 4-Bromofluorobenzene	50.6		ug/kg wet	6H28052	6H28052-BLK1
Surrogate: 4-Bromofluorobenzene	50.6		ug/kg wet	6H28052	6H28052-BLK2
Surrogate: Dibromofluoromethane	51.6		ug/kg wet	6H28052	6H28052-BLK2
Surrogate: Dibromofluoromethane	51.6		ug/kg wet	6H28052	6H28052-BLK1
Surrogate: Toluene-d8	52.2		ug/kg wet	6H28052	6H28052-BLK1
Surrogate: Toluene-d8	51.3		ug/kg wet	6H28052	6H28052-BLK2
Polynuclear Aromatic Hydrocarbons by EPA Method 8270					
Acenaphthene	74.0	U	ug/kg wet	6H28012	6H28012-BLK1
Acenaphthene	74.0	U	ug/kg wet	6H25007	6H25007-BLK1
Acenaphthylene	97.7	U	ug/kg wet	6H28012	6H28012-BLK1
Acenaphthylene	97.7	U	ug/kg wet	6H25007	6H25007-BLK1
Anthracene	53.2	U	ug/kg wet	6H28012	6H28012-BLK1
Anthracene	53.2	U	ug/kg wet	6H25007	6H25007-BLK1
Benzo (a) anthracene	18.1	U	ug/kg wet	6H28012	6H28012-BLK1
Benzo (a) anthracene	18.1	U	ug/kg wet	6H25007	6H25007-BLK1
Benzo (b) fluoranthene	17.6	U	ug/kg wet	6H25007	6H25007-BLK1
Benzo (b) fluoranthene	17.6	U	ug/kg wet	6H28012	6H28012-BLK1
Benzo (k) fluoranthene	17.6	U	ug/kg wet	6H28012	6H28012-BLK1
Benzo (k) fluoranthene	17.6	U	ug/kg wet	6H25007	6H25007-BLK1
Benzo (g,h,i) perylene	17.3	U	ug/kg wet	6H25007	6H25007-BLK1
Benzo (g,h,i) perylene	17.3	U	ug/kg wet	6H28012	6H28012-BLK1
Benzo (a) pyrene	20.6	U	ug/kg wet	6H28012	6H28012-BLK1
Benzo (a) pyrene	20.6	U	ug/kg wet	6H25007	6H25007-BLK1
1-Methylnaphthalene	83.8	U	ug/kg wet	6H25007	6H25007-BLK1
1-Methylnaphthalene	83.8	U	ug/kg wet	6H28012	6H28012-BLK1
Chrysene	20.0	U	ug/kg wet	6H28012	6H28012-BLK1

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Attn: JOHN MAHONEY

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

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Received: 08/24/06

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
Polynuclear Aromatic Hydrocarbons by EPA Method 8270					
Chrysene	20.0	U	ug/kg wet	6H25007	6H25007-BLK1
Dibenz (a,h) anthracene	21.9	U	ug/kg wet	6H28012	6H28012-BLK1
Dibenz (a,h) anthracene	21.9	U	ug/kg wet	6H25007	6H25007-BLK1
Fluoranthene	24.0	U	ug/kg wet	6H25007	6H25007-BLK1
Fluoranthene	24.0	U	ug/kg wet	6H28012	6H28012-BLK1
Fluorene	65.4	U	ug/kg wet	6H25007	6H25007-BLK1
Fluorene	65.4	U	ug/kg wet	6H28012	6H28012-BLK1
Indeno (1,2,3-cd) pyrene	21.6	U	ug/kg wet	6H28012	6H28012-BLK1
Indeno (1,2,3-cd) pyrene	21.6	U	ug/kg wet	6H25007	6H25007-BLK1
2-Methylnaphthalene	71.2	U	ug/kg wet	6H25007	6H25007-BLK1
2-Methylnaphthalene	71.2	U	ug/kg wet	6H28012	6H28012-BLK1
Naphthalene	67.1	U	ug/kg wet	6H28012	6H28012-BLK1
Naphthalene	67.1	U	ug/kg wet	6H25007	6H25007-BLK1
Phenanthrene	39.4	U	ug/kg wet	6H25007	6H25007-BLK1
Phenanthrene	39.4	U	ug/kg wet	6H28012	6H28012-BLK1
Pyrene	33.9	U	ug/kg wet	6H25007	6H25007-BLK1
Pyrene	33.9	U	ug/kg wet	6H28012	6H28012-BLK1
Surrogate: 2-Fluorobiphenyl	2890		ug/kg wet	6H28012	6H28012-BLK1
Surrogate: 2-Fluorobiphenyl	3150		ug/kg wet	6H25007	6H25007-BLK1
Surrogate: Nitrobenzene-d5	2690		ug/kg wet	6H25007	6H25007-BLK1
Surrogate: Nitrobenzene-d5	2590		ug/kg wet	6H28012	6H28012-BLK1
Surrogate: Terphenyl-d14	2800		ug/kg wet	6H28012	6H28012-BLK1
Surrogate: Terphenyl-d14	2650		ug/kg wet	6H25007	6H25007-BLK1

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Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
General Chemistry Parameters								
% Solids	82.1	81.7		%.	0.5	15.9	6H28057	OPH0527-06
% Solids	97.6	97.6		%.	0	15.9	6H28058	OPH0475-08
Volatile Organic Compounds by EPA Method 8260B								
Benzene	1400	1370		ug/kg dry	2	30	6H28052	OPH0471-05
Benzene	1120	1130		ug/kg dry	0.9	30	6H28052	OPH0470-03
Ethylbenzene	18700	19100		ug/kg dry	2	30	6H28052	OPH0471-05
Ethylbenzene	3220	3320		ug/kg dry	3	30	6H28052	OPH0470-03
Naphthalene	1120	1170		ug/kg dry	4	30	6H28052	OPH0470-03
Naphthalene	9670	9920		ug/kg dry	3	30	6H28052	OPH0471-05
Toluene	26700	27000		ug/kg dry	1	30	6H28052	OPH0471-05
Toluene	84.7	84.1		ug/kg dry	0.7	30	6H28052	OPH0470-03
Xylenes, total	3320	3370		ug/kg dry	1	30	6H28052	OPH0470-03
Xylenes, total	97800	99800		ug/kg dry	2	30	6H28052	OPH0471-05
Surrogate: 1,2-Dichloroethane-d4		47.5		ug/kg dry			6H28052	OPH0471-05
Surrogate: 1,2-Dichloroethane-d4		46.2		ug/kg dry			6H28052	OPH0470-03
Surrogate: 4-Bromofluorobenzene		52.6		ug/kg dry			6H28052	OPH0470-03
Surrogate: 4-Bromofluorobenzene		49.6		ug/kg dry			6H28052	OPH0471-05
Surrogate: Dibromofluoromethane		48.7		ug/kg dry			6H28052	OPH0470-03
Surrogate: Dibromofluoromethane		49.2		ug/kg dry			6H28052	OPH0471-05
Surrogate: Toluene-d8		51.5		ug/kg dry			6H28052	OPH0470-03
Surrogate: Toluene-d8		51.5		ug/kg dry			6H28052	OPH0471-05

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Project Number: EP2362

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PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
General Chemistry Parameters							
% Solids	380	382		%	101	90 - 110	6H28057
% Solids	380	376		%	99	90 - 110	6H28058
Volatile Organic Compounds by EPA Method 8260B							
Benzene	50.0	50.1		ug/kg wet	100	84 - 113	6H28052
Benzene	50.0	51.7		ug/kg wet	103	84 - 113	6H28052
Ethylbenzene	50.0	44.1		ug/kg wet	88	85 - 124	6H28052
Ethylbenzene	50.0	48.5		ug/kg wet	97	85 - 124	6H28052
Naphthalene	50.0	49.4		ug/kg wet	99	90 - 137	6H28052
Naphthalene	50.0	52.2		ug/kg wet	104	90 - 137	6H28052
Toluene	50.0	52.4		ug/kg wet	105	82 - 112	6H28052
Toluene	50.0	49.4		ug/kg wet	99	82 - 112	6H28052
Xylenes, total	150	134		ug/kg wet	89	84 - 127	6H28052
Xylenes, total	150	150		ug/kg wet	100	84 - 127	6H28052
Surrogate: 1,2-Dichloroethane-d4	50.0	50.7		ug/kg wet	101	73 - 137	6H28052
Surrogate: 1,2-Dichloroethane-d4	50.0	50.6		ug/kg wet	101	73 - 137	6H28052
Surrogate: 4-Bromofluorobenzene	50.0	51.5		ug/kg wet	103	59 - 118	6H28052
Surrogate: 4-Bromofluorobenzene	50.0	51.3		ug/kg wet	103	59 - 118	6H28052
Surrogate: Dibromofluoromethane	50.0	51.5		ug/kg wet	103	55 - 145	6H28052
Surrogate: Dibromofluoromethane	50.0	51.6		ug/kg wet	103	55 - 145	6H28052
Surrogate: Toluene-d8	50.0	52.4		ug/kg wet	105	80 - 117	6H28052
Surrogate: Toluene-d8	50.0	51.8		ug/kg wet	104	80 - 117	6H28052
Polynuclear Aromatic Hydrocarbons by EPA Method 8270							
Acenaphthene	3330	2750		ug/kg wet	83	51 - 124	6H25007
Acenaphthene	3330	2760		ug/kg wet	83	51 - 124	6H28012
Acenaphthylene	3330	3250		ug/kg wet	98	58 - 124	6H25007
Acenaphthylene	3330	3250		ug/kg wet	98	58 - 124	6H28012
Anthracene	3330	3150		ug/kg wet	95	61 - 122	6H28012
Anthracene	3330	3090		ug/kg wet	93	61 - 122	6H25007
Benzo (a) anthracene	3330	2800		ug/kg wet	84	51 - 139	6H28012
Benzo (a) anthracene	3330	2850		ug/kg wet	86	51 - 139	6H25007
Benzo (b) fluoranthene	3330	3260		ug/kg wet	98	57 - 129	6H25007
Benzo (b) fluoranthene	3330	2980		ug/kg wet	89	57 - 129	6H28012
Benzo (k) fluoranthene	3330	2810		ug/kg wet	84	53 - 127	6H28012
Benzo (k) fluoranthene	3330	3090		ug/kg wet	93	53 - 127	6H25007
Benzo (g,h,i) perylene	3330	2820		ug/kg wet	85	34 - 123	6H28012
Benzo (g,h,i) perylene	3330	1830		ug/kg wet	55	34 - 123	6H25007
Benzo (a) pyrene	3330	2740		ug/kg wet	82	65 - 109	6H28012
Benzo (a) pyrene	3330	2800		ug/kg wet	84	65 - 109	6H25007
1-Methylnaphthalene	3330	2690		ug/kg wet	81	18 - 115	6H25007

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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							
1-Methylnaphthalene	3330	2580		ug/kg wet	77	18 - 115	6H28012
Chrysene	3330	2830		ug/kg wet	85	55 - 130	6H28012
Chrysene	3330	2860		ug/kg wet	86	55 - 130	6H25007
Dibenz (a,h) anthracene	3330	2740		ug/kg wet	82	48 - 125	6H28012
Dibenz (a,h) anthracene	3330	1950		ug/kg wet	59	48 - 125	6H25007
Fluoranthene	3330	3450		ug/kg wet	104	58 - 129	6H25007
Fluoranthene	3330	3300		ug/kg wet	99	58 - 129	6H28012
Fluorene	3330	3210		ug/kg wet	96	61 - 128	6H28012
Fluorene	3330	3250		ug/kg wet	98	61 - 128	6H25007
Indeno (1,2,3-cd) pyrene	3330	2010		ug/kg wet	60	44 - 126	6H25007
Indeno (1,2,3-cd) pyrene	3330	2840		ug/kg wet	85	44 - 126	6H28012
2-Methylnaphthalene	3330	2800		ug/kg wet	84	20 - 125	6H28012
2-Methylnaphthalene	3330	2920		ug/kg wet	88	20 - 125	6H25007
Naphthalene	3330	2630		ug/kg wet	79	23 - 118	6H25007
Naphthalene	3330	2540		ug/kg wet	76	23 - 118	6H28012
Phenanthrene	3330	3100		ug/kg wet	93	61 - 120	6H28012
Phenanthrene	3330	3070		ug/kg wet	92	61 - 120	6H25007
Pyrene	3330	2880		ug/kg wet	86	45 - 141	6H28012
Pyrene	3330	2540		ug/kg wet	76	45 - 141	6H25007
Surrogate: 2-Fluorobiphenyl	3330	3050		ug/kg wet	92	24 - 121	6H28012
Surrogate: 2-Fluorobiphenyl	3330	3060		ug/kg wet	92	24 - 121	6H25007
Surrogate: Nitrobenzene-d5	3330	2510		ug/kg wet	75	19 - 111	6H28012
Surrogate: Nitrobenzene-d5	3330	2630		ug/kg wet	79	19 - 111	6H25007
Surrogate: Terphenyl-d14	3330	2510		ug/kg wet	75	44 - 171	6H25007
Surrogate: Terphenyl-d14	3330	2790		ug/kg wet	84	44 - 171	6H28012

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Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

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	56.7		ug/kg dry	50.0	113	18 - 126	6H28052	OPH0475-01
Benzene	0.342	26.8		ug/kg dry	50.0	53	18 - 126	6H28052	OPH0471-01
Ethylbenzene	0.202	46.6		ug/kg dry	50.0	93	12 - 120	6H28052	OPH0475-01
Ethylbenzene	0.561	13.4		ug/kg dry	50.0	26	12 - 120	6H28052	OPH0471-01
Naphthalene	<0.276	5.24		ug/kg dry	50.0	10	10 - 125	6H28052	OPH0471-01
Naphthalene	<0.276	40.1		ug/kg dry	50.0	80	10 - 125	6H28052	OPH0475-01
Toluene	0.675	20.6		ug/kg dry	50.0	40	10 - 130	6H28052	OPH0471-01
Toluene	0.327	50.9		ug/kg dry	50.0	101	10 - 130	6H28052	OPH0475-01
Xylenes, total	<0.260	36.0		ug/kg dry	150	24	10 - 126	6H28052	OPH0471-01
Xylenes, total	0.404	136		ug/kg dry	150	90	10 - 126	6H28052	OPH0475-01
Surrogate: 1,2-Dichloroethane-d4		61.6		ug/kg dry	50.0	123	73 - 137	6H28052	OPH0475-01
Surrogate: 1,2-Dichloroethane-d4		59.9		ug/kg dry	50.0	120	73 - 137	6H28052	OPH0471-01
Surrogate: 4-Bromofluorobenzene		42.2		ug/kg dry	50.0	84	59 - 118	6H28052	OPH0475-01
Surrogate: 4-Bromofluorobenzene		50.8		ug/kg dry	50.0	102	59 - 118	6H28052	OPH0471-01
Surrogate: Dibromofluoromethane		54.7		ug/kg dry	50.0	109	55 - 145	6H28052	OPH0471-01
Surrogate: Dibromofluoromethane		55.5		ug/kg dry	50.0	111	55 - 145	6H28052	OPH0475-01
Surrogate: Toluene-d8		52.6		ug/kg dry	50.0	105	80 - 117	6H28052	OPH0471-01
Surrogate: Toluene-d8		47.3		ug/kg dry	50.0	95	80 - 117	6H28052	OPH0475-01
Polynuclear Aromatic Hydrocarbons by EPA Method 8270									
Acenaphthene	<84.5	2740		ug/kg dry	3810	72	40 - 125	6H25007	OPH0422-01
Acenaphthene	<82.8	2570		ug/kg dry	3730	69	40 - 125	6H28012	OPH0448-01
Acenaphthylene	<109	2990		ug/kg dry	3730	80	44 - 125	6H28012	OPH0448-01
Acenaphthylene	<111	3220		ug/kg dry	3810	85	44 - 125	6H25007	OPH0422-01
Anthracene	<59.6	2850		ug/kg dry	3730	76	53 - 121	6H28012	OPH0448-01
Anthracene	<60.8	3110		ug/kg dry	3810	82	53 - 121	6H25007	OPH0422-01
Benzo (a) anthracene	<20.2	2670		ug/kg dry	3730	72	46 - 135	6H28012	OPH0448-01
Benzo (a) anthracene	<20.6	2990		ug/kg dry	3810	78	46 - 135	6H25007	OPH0422-01
Benzo (b) fluoranthene	<20.1	3310		ug/kg dry	3810	87	44 - 136	6H25007	OPH0422-01
Benzo (b) fluoranthene	<19.7	3070		ug/kg dry	3730	82	44 - 136	6H28012	OPH0448-01
Benzo (k) fluoranthene	<19.7	2990		ug/kg dry	3730	80	43 - 131	6H28012	OPH0448-01
Benzo (k) fluoranthene	<20.1	3090		ug/kg dry	3810	81	43 - 131	6H25007	OPH0422-01
Benzo (g,h,i) perylene	<19.8	2180		ug/kg dry	3810	57	34 - 123	6H25007	OPH0422-01
Benzo (g,h,i) perylene	<19.4	1810		ug/kg dry	3730	49	34 - 123	6H28012	OPH0448-01
Benzo (a) pyrene	<23.0	2610		ug/kg dry	3730	70	51 - 115	6H28012	OPH0448-01
Benzo (a) pyrene	<23.5	2870		ug/kg dry	3810	75	51 - 115	6H25007	OPH0422-01
1-Methylnaphthalene	<95.7	2570		ug/kg dry	3810	67	11 - 112	6H25007	OPH0422-01
1-Methylnaphthalene	<93.8	2420		ug/kg dry	3730	65	11 - 112	6H28012	OPH0448-01
Chrysene	<22.8	3030		ug/kg dry	3810	80	48 - 126	6H25007	OPH0422-01
Chrysene	<22.3	2640		ug/kg dry	3730	71	48 - 126	6H28012	OPH0448-01

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: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

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									
Dibenz (a,h) anthracene	<24.5	1860		ug/kg dry	3730	50	38 - 119	6H28012	OPH0448-01
Dibenz (a,h) anthracene	<25.0	2290		ug/kg dry	3810	60	38 - 119	6H25007	OPH0422-01
Fluoranthene	<27.4	3680		ug/kg dry	3810	97	33 - 138	6H25007	OPH0422-01
Fluoranthene	<26.9	3120		ug/kg dry	3730	84	33 - 138	6H28012	OPH0448-01
Fluorene	<74.6	3070		ug/kg dry	3810	81	48 - 128	6H25007	OPH0422-01
Fluorene	<73.1	2830		ug/kg dry	3730	76	48 - 128	6H28012	OPH0448-01
Indeno (1,2,3-cd) pyrene	<24.7	2400		ug/kg dry	3810	63	37 - 117	6H25007	OPH0422-01
Indeno (1,2,3-cd) pyrene	<24.2	1970		ug/kg dry	3730	53	37 - 117	6H28012	OPH0448-01
2-Methylnaphthalene	<79.6	2670		ug/kg dry	3730	72	11 - 122	6H28012	OPH0448-01
2-Methylnaphthalene	<81.3	2830		ug/kg dry	3810	74	11 - 122	6H25007	OPH0422-01
Naphthalene	<75.0	2440		ug/kg dry	3730	65	15 - 116	6H28012	OPH0448-01
Naphthalene	<76.6	2610		ug/kg dry	3810	69	15 - 116	6H25007	OPH0422-01
Phenanthrene	<45.0	3070		ug/kg dry	3810	81	52 - 123	6H25007	OPH0422-01
Phenanthrene	<44.1	2810		ug/kg dry	3730	75	52 - 123	6H28012	OPH0448-01
Pyrene	<38.7	2630		ug/kg dry	3810	69	31 - 155	6H25007	OPH0422-01
Pyrene	<38.0	2830		ug/kg dry	3730	76	31 - 155	6H28012	OPH0448-01
Surrogate: 2-Fluorobiphenyl		3020		ug/kg dry	3730	81	24 - 121	6H28012	OPH0448-01
Surrogate: 2-Fluorobiphenyl		3220		ug/kg dry	3810	85	24 - 121	6H25007	OPH0422-01
Surrogate: Nitrobenzene-d5		2560		ug/kg dry	3730	69	19 - 111	6H28012	OPH0448-01
Surrogate: Nitrobenzene-d5		2750		ug/kg dry	3810	72	19 - 111	6H25007	OPH0422-01
Surrogate: Terphenyl-d14		2770		ug/kg dry	3730	74	44 - 171	6H28012	OPH0448-01
Surrogate: Terphenyl-d14		2570		ug/kg dry	3810	67	44 - 171	6H25007	OPH0422-01

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: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

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	<82.8	2550		ug/kg dry	3730	68	0.8	60	6H28012	OPH0448-01
Acenaphthene	<84.5	3090		ug/kg dry	3810	81	12	60	6H25007	OPH0422-01
Acenaphthylene	<109	2930		ug/kg dry	3730	79	2	51	6H28012	OPH0448-01
Acenaphthylene	<111	3670		ug/kg dry	3810	96	13	51	6H25007	OPH0422-01
Anthracene	<60.8	3490		ug/kg dry	3810	92	12	60	6H25007	OPH0422-01
Anthracene	<59.6	2830		ug/kg dry	3730	76	0.7	60	6H28012	OPH0448-01
Benzo (a) anthracene	<20.6	3200		ug/kg dry	3810	84	7	46	6H25007	OPH0422-01
Benzo (a) anthracene	<20.2	2610		ug/kg dry	3730	70	2	46	6H28012	OPH0448-01
Benzo (b) fluoranthene	<20.1	3580		ug/kg dry	3810	94	8	60	6H25007	OPH0422-01
Benzo (b) fluoranthene	<19.7	2950		ug/kg dry	3730	79	4	60	6H28012	OPH0448-01
Benzo (k) fluoranthene	<20.1	3610		ug/kg dry	3810	95	16	60	6H25007	OPH0422-01
Benzo (k) fluoranthene	<19.7	2790		ug/kg dry	3730	75	7	60	6H28012	OPH0448-01
Benzo (g,h,i) perylene	<19.4	2230		ug/kg dry	3730	60	21	38	6H28012	OPH0448-01
Benzo (g,h,i) perylene	<19.8	2230		ug/kg dry	3810	59	2	38	6H25007	OPH0422-01
Benzo (a) pyrene	<23.5	3150		ug/kg dry	3810	83	9	48	6H25007	OPH0422-01
Benzo (a) pyrene	<23.0	2610		ug/kg dry	3730	70	0	48	6H28012	OPH0448-01
1-Methylnaphthalene	<93.8	2390		ug/kg dry	3730	64	1	60	6H28012	OPH0448-01
1-Methylnaphthalene	<95.7	2940		ug/kg dry	3810	77	13	60	6H25007	OPH0422-01
Chrysene	<22.8	3210		ug/kg dry	3810	84	6	36	6H25007	OPH0422-01
Chrysene	<22.3	2580		ug/kg dry	3730	69	2	36	6H28012	OPH0448-01
Dibenz (a,h) anthracene	<25.0	2350		ug/kg dry	3810	62	3	60	6H25007	OPH0422-01
Dibenz (a,h) anthracene	<24.5	2160		ug/kg dry	3730	58	15	60	6H28012	OPH0448-01
Fluoranthene	<27.4	4090		ug/kg dry	3810	107	11	63	6H25007	OPH0422-01
Fluoranthene	<26.9	3120		ug/kg dry	3730	84	0	63	6H28012	OPH0448-01
Fluorene	<73.1	2850		ug/kg dry	3730	76	0.7	49	6H28012	OPH0448-01
Fluorene	<74.6	3540		ug/kg dry	3810	93	14	49	6H25007	OPH0422-01
Indeno (1,2,3-cd) pyrene	<24.2	2240		ug/kg dry	3730	60	13	60	6H28012	OPH0448-01
Indeno (1,2,3-cd) pyrene	<24.7	2440		ug/kg dry	3810	64	2	60	6H25007	OPH0422-01
2-Methylnaphthalene	<79.6	2590		ug/kg dry	3730	69	3	71	6H28012	OPH0448-01
2-Methylnaphthalene	<81.3	3180		ug/kg dry	3810	83	12	71	6H25007	OPH0422-01
Naphthalene	<76.6	2930		ug/kg dry	3810	77	12	81	6H25007	OPH0422-01
Naphthalene	<75.0	2370		ug/kg dry	3730	64	3	81	6H28012	OPH0448-01
Phenanthrene	<45.0	3430		ug/kg dry	3810	90	11	60	6H25007	OPH0422-01
Phenanthrene	<44.1	2800		ug/kg dry	3730	75	0.4	60	6H28012	OPH0448-01
Pyrene	<38.7	2850		ug/kg dry	3810	75	8	90	6H25007	OPH0422-01
Pyrene	<38.0	2640		ug/kg dry	3730	71	7	90	6H28012	OPH0448-01
Surrogate: 2-Fluorobiphenyl		3550		ug/kg dry	3810	93			6H25007	OPH0422-01
Surrogate: 2-Fluorobiphenyl		2940		ug/kg dry	3730	79			6H28012	OPH0448-01
Surrogate: Nitrobenzene-d5		3060		ug/kg dry	3810	80			6H25007	OPH0422-01

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: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
Polynuclear Aromatic Hydrocarbons by EPA Method 8270										
Surrogate: Nitrobenzene-d5		2430		ug/kg dry	3730	65			6H28012	OPH0448-01
Surrogate: Terphenyl-d14		2800		ug/kg dry	3810	73			6H25007	OPH0422-01
Surrogate: Terphenyl-d14		2620		ug/kg dry	3730	70			6H28012	OPH0448-01

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

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

Work Order: OPH0475
Project: LAUREL BAY
Project Number: EP2362

Sampled: 08/21/06-08/22/06
Received: 08/24/06

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.
J1	Surrogate recovery limits have been exceeded.
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
ANALYTICAL TESTING CORPORATION

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

Client: EPG, INC. Project: OPH0475

Shipped By: Fed Ex Tracking Number: 858282354527

Cooler Received On: 08/24/06 09:25 And Opened On (Date/time): 8/24/06 1400

Received By: Stephanie Bull Logged in by: Stephanie Bull

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

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

Chain of Custody Complete? **YES** √ **NO** √ If No Discrepancy ___

SB 8/25/06

Cooler Temparture When Opened: 4.40 Degrees Celsius

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

Packing Material: Bubblewrap √ NONE ___ Other: ___

Received on Ice: **YES** √ **NO** ___ Other: ___ Total # Of Containers: 28 # Vials 42

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? 28 Sodium Bisulfate 28 MeOH 14

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

COC lacked sample times for samples 01 - 06. Obtained sample times off of Containers 1481 Cardinal -01 Bottom → 9:45. 1481 Cardinal -02 Side → 9:50 1483 Cardinal -01 Bottom → 1440. 1483 Cardinal -02 Side → 1445 1483 Cardinal -03 Bottom → 1500 1483 Cardinal - 04 Side → 1500. 907 Barracuda - 01 Bottom has a sample time of 9:30 on all Containers. Used sample time of 9:40 from COC as time for 907 Barracuda - 01 Bottom.

OPH0475 page 1 of 2

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:
Project Manager: J. Mahoney
Telephone Number: Fax:
Sampler Name: (Print Name) AL MANUCY
Sampler Signature: A. Manucy

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

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

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

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	PAH									REMARKS	
1481 Cardinal -01 Bottom	8-21												X	X										01
1481 Cardinal -02 Side	8-21																							02
1483 Cardinal - 01 Bottom	8-21																							03
1483 Cardinal - 02 Side	8-21																							04
1483 Cardinal -03 Bottom	8-21																							05
1483 Cardinal -04 Side	8-21																							06
908 Barracuda -01 Bottom	8-22	8:30																						07
908 Barracuda -02 Side	8-22	8:30																						08
907 Barracuda -01 Bottom	8-22	9:40																						09
907 Barracuda -02 Bottom	8-22	9:40											—	—										10

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 4.4

	Date	Time		Date	Time
Relinquished By:	8/22	1610	Received By:	8/22	1610
Relinquished By:	8/22	1730	Received By: Stephanie Bull	8/24/06	0925
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: 8582 8235 4527 FedEx to TA-Orlando

OPH0475 page 2 of 2

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:
Project Manager: J. Mahoney
Telephone Number: Fax:
Sampler Name: (Print Name) Al Mooney
Sampler Signature:

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

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

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

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	PAH									REMARKS
944A/Bacore-01 Bottom	8-22	1300											X	X									11
944A/Bacore-02 Side	8-22	1360											X	X									12
948 Albacore-01	8-22	1000											X	X									13
948 Albacore 02	8-22	1100											X	X									14

Special Instructions:

Relinquished By: A. Mooney	Date: 8-22	Time: 1610	Received By: [signature]	Date: 8.22	Time: 1610
Relinquished By: [signature]	Date: 8-22	Time: 1730	Received By: Stephanie Bull	Date: 8/24/10	Time: 0925
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 4.4
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: 8582 8235 4537 FedEx to TA-Orlando

Appendix C
Regulatory Correspondence

D H E C

PROMOTE PROTECT PROSPER

26 October 2007

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

Re: MCAS – Laurel Bay Housing – 907 Barracuda
Site ID # 03736
UST Closure Reports received 15 August 2007
No Further Action
Beaufort County

Dear Mr. Broadfoot:

The Department has reviewed the referenced closure report. Based upon the geotechnical data in the referenced report, the soil samples are below risk based screening levels.

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

Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

B. Thomas Knight, Manager
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