

SUMMARY REPORT  
EMPTY LOT (FORMERLY 143 WEST LAUREL BAY BOULEVARD)  
LAUREL BAY MILITARY HOUSING AREA  
MARINE CORPS AIR STATION BEAUFORT  
BEAUFORT, SC

Revision: 0  
Prepared for:

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

and



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

JUNE 2021

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Prepared by:



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

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

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### List of Acronyms

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

## 1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for the empty lot located at former 143 West Laurel Bay Boulevard. 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

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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*

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*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 the empty lot at former 143 West Laurel Bay Boulevard. Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 143 West Laurel Bay Boulevard* (MCAS Beaufort, 2007). The UST Assessment Reports are provided in Appendix B.

### 2.1 UST Removal and Soil Sampling

On August 14, 2006, two 280 gallon heating oil USTs were removed from the front yard at the former house at 143 West Laurel Bay Boulevard. The UST locations are indicated on the figures of the UST Assessment Reports (Appendix B). The USTs were 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 removals. According to the UST Assessment Reports (Appendix B), the depth to the bases of the USTs were 6'4" (Tank 1) and 4'0" (Tank 2) bgs and a single soil sample was collected for each from that depth. The

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

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

## 2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from the empty lot at the former UST locations (Tanks 1 and 2) at 143 West Laurel Bay Boulevard were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former USTs 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 the empty lot at former 143 West Laurel Bay Boulevard. This NFA determination was obtained in a letter dated October 25, 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 – 143 West Laurel Bay Boulevard, 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**  
**Empty Lot (Formerly 143 West Laurel Bay Boulevard)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Results Samples Collected 08/14/06			
		143 LBB-01 Bottom	143 LBB-02 Side	143 LBB-03 Bottom	143 LBB-04 Side
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)</b>					
Benzene	0.003	ND	ND	ND	ND
Ethylbenzene	1.15	<b>0.00224</b>	ND	ND	ND
Naphthalene	0.036	<b>0.0122</b>	ND	ND	ND
Toluene	0.627	ND	ND	ND	ND
Xylenes, Total	13.01	<b>0.000512</b>	ND	ND	ND
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)</b>					
Benzo(a)anthracene	0.66	ND	ND	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND	ND	ND
Chrysene	0.66	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.66	ND	ND	ND	ND

**Notes:**

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

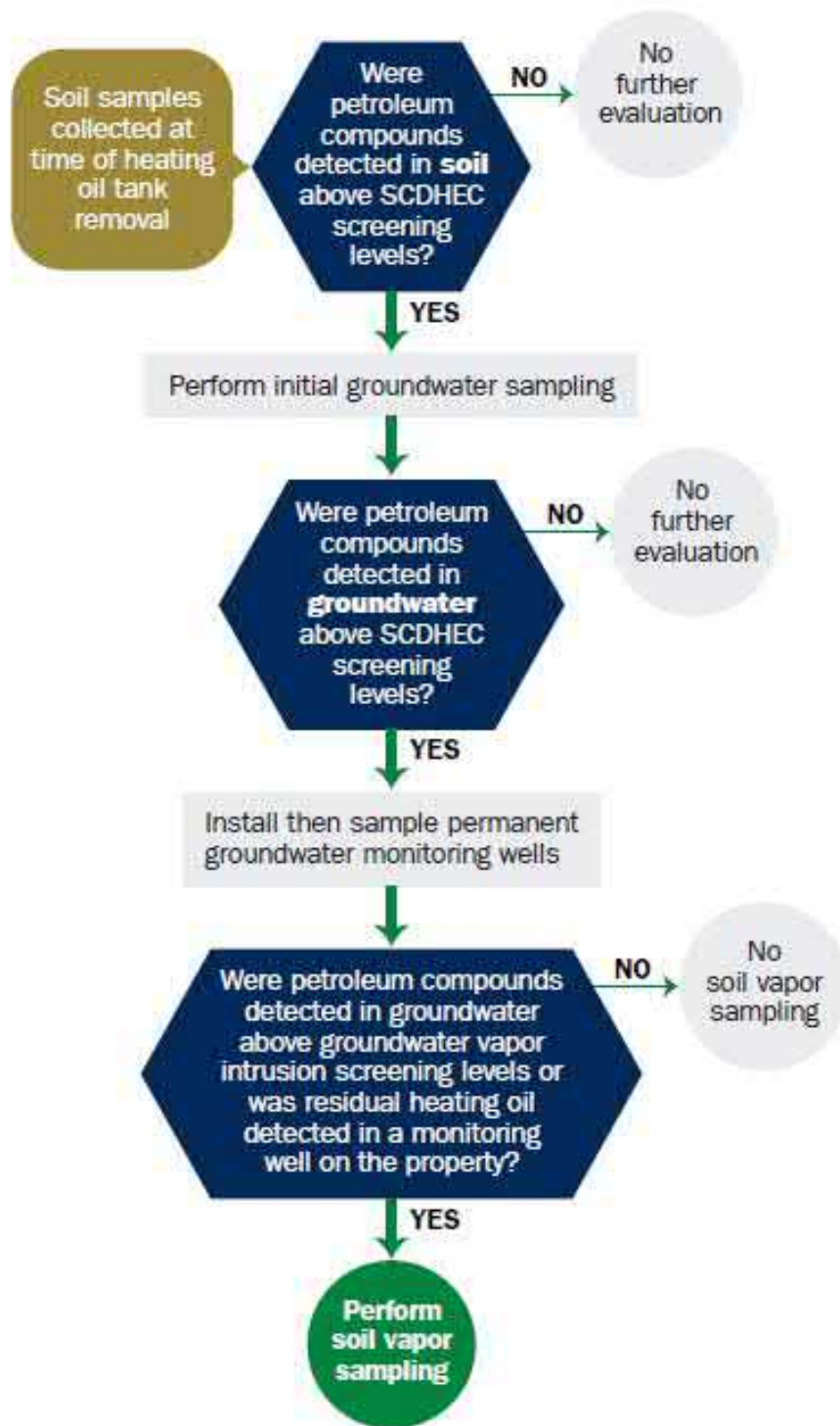
mg/kg - milligram per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

**Appendix A**  
**Multi-Media Selection Process for LBMH**



Appendix A - Multi-Media Selection Process for LBMH

**Appendix B**  
**UST Assessment Reports**

143 L 'el Bay Blvd (H)

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

**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

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

Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
#2 DIESEL					
350g.					
steel					
N					
N					
Removed					
8/14/06					
N					
N					

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

Recycling - Scrap Steel

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

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

## VI. PIPING INFORMATION

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

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A.	Steel					
B.	N/A					
C.	-0-					
D.	Electra Pump					
E.	N					
F.	N					
G.						
H.						

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

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## VII. BRIEF SITE DESCRIPTION AND HISTORY

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Home Heating Oil TANK - RESIDENTIAL

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### VIII. SITE CONDITIONS

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

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. MANUEY	ND
2		S				A. MANUEY	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: 2ea Sodium Bisulfate 1ea  
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
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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)

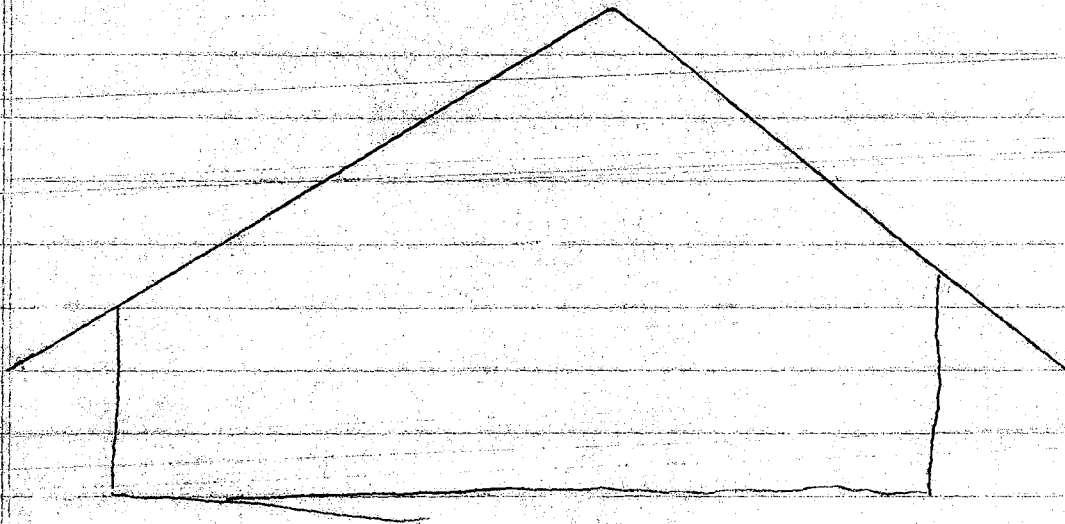
N/A

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)anthracen e	10				
EDB	.05				
1,2-DCA	.05				
Lead	Site specific				



143 Laurel Bay Blvd



size of tank 5ft

length of hole 11ft 7in

width " " 7ft - \*2nd tank 9ft

depth " " 6ft 4in - \*2nd tank 4ft

house to center of tank 4ft 8in - \*2nd tank 9ft 4in

\*second tank found

143 Laurel Sky Blvd.



## **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)

August 25, 2006

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

Work Order: OPH0362  
Project Name: LAUREL BAY  
Project Number: EP 2362  
Date Received: 08/18/06

Attn: JOHN MAHONEY

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
441-01 BOTTOM	OPH0362-01	08/14/06 10:15
441-02 SIDE	OPH0362-02	08/14/06 10:15
143 LBB-01 BOTTOM	OPH0362-03	08/14/06 14:00
143 LBB-02 SIDE	OPH0362-04	08/14/06 14:00
143 LBB-03 BOTTOM	OPH0362-05	08/14/06 14:30
143 LBB-04 SIDE	OPH0362-06	08/14/06 14:30
270 BIRCH-01 BOTTOM	OPH0362-07	08/15/06 08:45
270 BIRCH-02 SIDE	OPH0362-08	08/15/06 08:50
201 BALSAM-01 BOTTOM	OPH0362-09	08/15/06 13:40
201 BALSAM-02 SIDE	OPH0362-10	08/15/06 13:45
1468 CARDINAL 01 BOTTOM	OPH0362-11	08/16/06 09:25
1468 CARDINAL 02 SIDE	OPH0362-12	08/16/06 09:25
1472 CARDINAL 01 BOTTOM	OPH0362-13	08/16/06 13:30
1472 CARDINAL 02 SIDE	OPH0362-14	08/16/06 14:00

Samples were received into laboratory at a temperature of 5.00 °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.


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

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

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**LABORATORY REPORT**  
 Sample ID: 441-01 BOTTOM - Lab Number: OPH0362-01 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	85.5		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	43.0	RL2,U	ug/kg dry	43.0	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	1480		ug/kg dry	49.7	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	15600		ug/kg dry	64.9	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
108-88-3	Toluene	127		ug/kg dry	102	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	4530		ug/kg dry	61.0	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	99 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	103 %									
	Surrogate: Dibromofluoromethane (55-145%)	102 %									
	Surrogate: Toluene-d8 (80-117%)	102 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	86.5	U	ug/kg dry	86.5	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	114	U	ug/kg dry	114	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	7410		ug/kg dry	623	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	242	I	ug/kg dry	211	1950	10	08/24/06 18:52	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	20.6	U	ug/kg dry	20.6	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	20.6	U	ug/kg dry	20.6	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.3	U	ug/kg dry	20.3	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	24.0	U	ug/kg dry	24.0	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	22700		ug/kg dry	980	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	23.4	U	ug/kg dry	23.4	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.6	U	ug/kg dry	25.6	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	28.1	U	ug/kg dry	28.1	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	1350		ug/kg dry	76.4	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.3	U	ug/kg dry	25.3	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	34000		ug/kg dry	833	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	5880		ug/kg dry	784	1950	10	08/24/06 18:52	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	7320		ug/kg dry	461	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	511	I	ug/kg dry	397	1950	10	08/24/06 18:52	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	67 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	93 %									
	Surrogate: Terphenyl-d14 (44-171%)	35 %	J1								

**LABORATORY REPORT**  
 Sample ID: 441-02 SIDE - Lab Number: OPH0362-02 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	86.2		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	47.5	RL2,U	ug/kg dry	47.5	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	781		ug/kg dry	54.9	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 441-02 SIDE - Lab Number: OPH0362-02 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
91-20-3	Naphthalene	10200		ug/kg dry	71.6	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
108-88-3	Toluene	117	I	ug/kg dry	112	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	1480		ug/kg dry	67.4	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	98 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	108 %									
	Surrogate: Dibromofluoromethane (55-145%)	101 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	85.8	U	ug/kg dry	85.8	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	113	U	ug/kg dry	113	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	12800		ug/kg dry	618	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	619		ug/kg dry	21.0	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	454		ug/kg dry	20.4	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	463		ug/kg dry	20.4	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.1	U	ug/kg dry	20.1	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	23.8	U	ug/kg dry	23.8	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	36100		ug/kg dry	973	1940	10	08/25/06 10:42	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	874	I	ug/kg dry	232	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.4	U	ug/kg dry	25.4	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	27.9	U	ug/kg dry	27.9	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	75.8	U	ug/kg dry	75.8	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.1	U	ug/kg dry	25.1	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	51200		ug/kg dry	826	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	9560		ug/kg dry	778	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	12700		ug/kg dry	457	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	2010		ug/kg dry	394	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	80 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	57 %									
	Surrogate: Terphenyl-d14 (44-171%)	90 %									

### LABORATORY REPORT

Sample ID: 143 LBB-01 BOTTOM - Lab Number: OPH0362-03 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	82.4		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.164	U	ug/kg dry	0.164	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	2.24		ug/kg dry	0.190	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	12.2		ug/kg dry	0.248	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.388	U	ug/kg dry	0.388	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.512		ug/kg dry	0.233	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	111 %									

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 143 LBB-01 BOTTOM - Lab Number: OPH0362-03 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
	Surrogate: 4-Bromofluorobenzene (59-118%)	106 %									
	Surrogate: Dibromofluoromethane (55-145%)	106 %									
	Surrogate: Toluene-d8 (80-117%)	104 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	89.8	U	ug/kg dry	89.8	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	119	U	ug/kg dry	119	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	64.6	U	ug/kg dry	64.6	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	21.9	U	ug/kg dry	21.9	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	21.3	U	ug/kg dry	21.3	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	21.3	U	ug/kg dry	21.3	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	21.0	U	ug/kg dry	21.0	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	24.9	U	ug/kg dry	24.9	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	102	U	ug/kg dry	102	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	24.2	U	ug/kg dry	24.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	26.6	U	ug/kg dry	26.6	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	29.2	U	ug/kg dry	29.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	79.3	U	ug/kg dry	79.3	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	26.2	U	ug/kg dry	26.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	86.4	U	ug/kg dry	86.4	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	81.4	U	ug/kg dry	81.4	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	47.8	U	ug/kg dry	47.8	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	41.2	U	ug/kg dry	41.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	87 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	78 %									
	Surrogate: Terphenyl-d14 (44-171%)	94 %									

### LABORATORY REPORT

Sample ID: 143 LBB-02 SIDE - Lab Number: OPH0362-04 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	89.8		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.178	U	ug/kg dry	0.178	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.206	U	ug/kg dry	0.206	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.269	U	ug/kg dry	0.269	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.420	U	ug/kg dry	0.420	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.253	U	ug/kg dry	0.253	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	113 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	104 %									
	Surrogate: Dibromofluoromethane (55-145%)	105 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									

### Polynuclear Aromatic Hydrocarbons by EPA Method 8270

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 143 LBB-02 SIDE - Lab Number: OPH0362-04 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	82.4	U	ug/kg dry	82.4	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	109	U	ug/kg dry	109	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	59.3	U	ug/kg dry	59.3	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	20.1	U	ug/kg dry	20.1	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	19.6	U	ug/kg dry	19.6	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	19.6	U	ug/kg dry	19.6	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	19.3	U	ug/kg dry	19.3	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	22.9	U	ug/kg dry	22.9	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	93.4	U	ug/kg dry	93.4	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	22.2	U	ug/kg dry	22.2	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	24.4	U	ug/kg dry	24.4	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	26.7	U	ug/kg dry	26.7	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	72.8	U	ug/kg dry	72.8	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	24.1	U	ug/kg dry	24.1	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	79.3	U	ug/kg dry	79.3	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	74.7	U	ug/kg dry	74.7	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	43.9	U	ug/kg dry	43.9	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	37.8	U	ug/kg dry	37.8	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		102 %									
Surrogate: Nitrobenzene-d5 (19-111%)		94 %									
Surrogate: Terphenyl-d14 (44-171%)		114 %									

### LABORATORY REPORT

Sample ID: 143 LBB-03 BOTTOM - Lab Number: OPH0362-05 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	86.3		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.169	U	ug/kg dry	0.169	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.195	U	ug/kg dry	0.195	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.254	U	ug/kg dry	0.254	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.398	U	ug/kg dry	0.398	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.239	U	ug/kg dry	0.239	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		111 %									
Surrogate: 4-Bromofluorobenzene (59-118%)		103 %									
Surrogate: Dibromofluoromethane (55-145%)		104 %									
Surrogate: Toluene-d8 (80-117%)		103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	85.7	U	ug/kg dry	85.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	113	U	ug/kg dry	113	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	61.7	U	ug/kg dry	61.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	21.0	U	ug/kg dry	21.0	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager



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

Work Order: OPH0362  
Project: LAUREL BAY  
Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
Received: 08/18/06

### LABORATORY REPORT

Sample ID: 143 LBB-03 BOTTOM - Lab Number: OPH0362-05 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
205-99-2	Benzo (b) fluoranthene	20.4	U	ug/kg dry	20.4	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	20.4	U	ug/kg dry	20.4	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.1	U	ug/kg dry	20.1	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	23.8	U	ug/kg dry	23.8	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	97.1	U	ug/kg dry	97.1	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	23.2	U	ug/kg dry	23.2	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.4	U	ug/kg dry	25.4	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	27.8	U	ug/kg dry	27.8	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	75.7	U	ug/kg dry	75.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.1	U	ug/kg dry	25.1	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	82.5	U	ug/kg dry	82.5	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	77.7	U	ug/kg dry	77.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	45.6	U	ug/kg dry	45.6	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	39.3	U	ug/kg dry	39.3	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	91 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	82 %									
	Surrogate: Terphenyl-d14 (44-171%)	122 %									

### LABORATORY REPORT

Sample ID: 143 LBB-04 SIDE - Lab Number: OPH0362-06 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	92.6		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.181	U	ug/kg dry	0.181	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.210	U	ug/kg dry	0.210	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.274	U	ug/kg dry	0.274	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.428	U	ug/kg dry	0.428	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.257	U	ug/kg dry	0.257	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	117 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	104 %									
	Surrogate: Dibromofluoromethane (55-145%)	107 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	79.9	U	ug/kg dry	79.9	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	57.5	U	ug/kg dry	57.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	19.5	U	ug/kg dry	19.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	18.7	U	ug/kg dry	18.7	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	22.2	U	ug/kg dry	22.2	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 143 LBB-04 SIDE - Lab Number: OPH0362-06 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
90-12-0	1-Methylnaphthalene	90.5	U	ug/kg dry	90.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	21.6	U	ug/kg dry	21.6	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.7	U	ug/kg dry	23.7	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	70.6	U	ug/kg dry	70.6	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	23.3	U	ug/kg dry	23.3	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	76.9	U	ug/kg dry	76.9	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	72.4	U	ug/kg dry	72.4	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	42.5	U	ug/kg dry	42.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	36.6	U	ug/kg dry	36.6	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	65 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	75 %									
	Surrogate: Terphenyl-d14 (44-171%)	124 %									

### LABORATORY REPORT

Sample ID: 270 BIRCH-01 BOTTOM - Lab Number: OPH0362-07 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	93.8		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.206	U	ug/kg dry	0.206	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.238	U	ug/kg dry	0.238	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.311	U	ug/kg dry	0.311	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.486	U	ug/kg dry	0.486	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.292	U	ug/kg dry	0.292	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	112 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	102 %									
	Surrogate: Dibromofluoromethane (55-145%)	104 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	78.9	U	ug/kg dry	78.9	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	104	U	ug/kg dry	104	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	56.8	U	ug/kg dry	56.8	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	19.3	U	ug/kg dry	19.3	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	18.7	U	ug/kg dry	18.7	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	18.7	U	ug/kg dry	18.7	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	18.5	U	ug/kg dry	18.5	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	21.9	U	ug/kg dry	21.9	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	89.4	U	ug/kg dry	89.4	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	21.3	U	ug/kg dry	21.3	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.4	U	ug/kg dry	23.4	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	25.6	U	ug/kg dry	25.6	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 270 BIRCH-01 BOTTOM - Lab Number: OPH0362-07 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
86-73-7	Fluorene	69.7	U	ug/kg dry	69.7	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	23.0	U	ug/kg dry	23.0	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	75.9	U	ug/kg dry	75.9	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	71.5	U	ug/kg dry	71.5	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	42.0	U	ug/kg dry	42.0	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	36.2	U	ug/kg dry	36.2	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		93 %									
Surrogate: Nitrobenzene-d5 (19-111%)		88 %									
Surrogate: Terphenyl-d14 (44-171%)		130 %									

### LABORATORY REPORT

Sample ID: 270 BIRCH-02 SIDE - Lab Number: OPH0362-08 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	95.2		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.191	U	ug/kg dry	0.191	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.221	U	ug/kg dry	0.221	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.288	U	ug/kg dry	0.288	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.451	U	ug/kg dry	0.451	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.271	U	ug/kg dry	0.271	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		111 %									
Surrogate: 4-Bromofluorobenzene (59-118%)		99 %									
Surrogate: Dibromofluoromethane (55-145%)		106 %									
Surrogate: Toluene-d8 (80-117%)		101 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	77.7	U	ug/kg dry	77.7	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	103	U	ug/kg dry	103	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	55.9	U	ug/kg dry	55.9	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	19.0	U	ug/kg dry	19.0	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	18.5	U	ug/kg dry	18.5	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	18.5	U	ug/kg dry	18.5	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	18.2	U	ug/kg dry	18.2	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	21.6	U	ug/kg dry	21.6	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	88.1	U	ug/kg dry	88.1	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	21.0	U	ug/kg dry	21.0	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.0	U	ug/kg dry	23.0	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	25.2	U	ug/kg dry	25.2	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	68.7	U	ug/kg dry	68.7	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	22.7	U	ug/kg dry	22.7	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	74.8	U	ug/kg dry	74.8	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	70.4	U	ug/kg dry	70.4	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 270 BIRCH-02 SIDE - Lab Number: OPH0362-08 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
85-01-8	Phenanthrene	41.4	U	ug/kg dry	41.4	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	35.6	U	ug/kg dry	35.6	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	94 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	87 %									
	Surrogate: Terphenyl-d14 (44-171%)	123 %									

### LABORATORY REPORT

Sample ID: 201 BALSAM-01 BOTTOM - Lab Number: OPH0362-09 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	85.4		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	44.3	RL2,U	ug/kg dry	44.3	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	2370		ug/kg dry	51.2	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	16600		ug/kg dry	66.8	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
108-88-3	Toluene	104	U	ug/kg dry	104	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	1810		ug/kg dry	62.8	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	101 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	107 %									
	Surrogate: Dibromofluoromethane (55-145%)	101 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	2250		ug/kg dry	867	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	114	U	ug/kg dry	114	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	11200		ug/kg dry	624	1960	10	08/25/06 12:35	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	21.2	U	ug/kg dry	21.2	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	20.6	U	ug/kg dry	20.6	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	20.6	U	ug/kg dry	20.6	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.3	U	ug/kg dry	20.3	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	24.1	U	ug/kg dry	24.1	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	21500		ug/kg dry	982	1960	10	08/25/06 12:35	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	464	I	ug/kg dry	234	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.7	U	ug/kg dry	25.7	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	706	I	ug/kg dry	281	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	2490		ug/kg dry	76.5	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.3	U	ug/kg dry	25.3	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	25500		ug/kg dry	834	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	4220		ug/kg dry	785	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	11100		ug/kg dry	461	1960	10	08/25/06 12:35	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	1530	I	ug/kg dry	397	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	85 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	39 %									

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 201 BALSAM-01 BOTTOM - Lab Number: OPH0362-09 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
<i>Surrogate: Terphenyl-d14 (44-171%)</i> 83%											

### LABORATORY REPORT

Sample ID: 201 BALSAM-02 SIDE - Lab Number: OPH0362-10 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	91.6		%	0.100	0.100	I	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.161	U	ug/kg dry	0.161	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.186	U	ug/kg dry	0.186	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.414	I	ug/kg dry	0.243	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.380	U	ug/kg dry	0.380	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.229	U	ug/kg dry	0.229	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
<i>Surrogate: 1,2-Dichloroethane-d4 (73-137%)</i> 116%											
<i>Surrogate: 4-Bromofluorobenzene (59-118%)</i> 98%											
<i>Surrogate: Dibromofluoromethane (55-145%)</i> 106%											
<i>Surrogate: Toluene-d8 (80-117%)</i> 99%											

### Polynuclear Aromatic Hydrocarbons by EPA Method 8270

83-32-9	Acenaphthene	80.8	U	ug/kg dry	80.8	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	107	U	ug/kg dry	107	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	58.1	U	ug/kg dry	58.1	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	519		ug/kg dry	19.7	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	219		ug/kg dry	19.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	228		ug/kg dry	19.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	833		ug/kg dry	18.9	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	923		ug/kg dry	22.4	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	91.5	U	ug/kg dry	91.5	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	577		ug/kg dry	21.8	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.9	U	ug/kg dry	23.9	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	26.2	U	ug/kg dry	26.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	71.4	U	ug/kg dry	71.4	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	718		ug/kg dry	23.6	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	77.7	U	ug/kg dry	77.7	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	73.2	U	ug/kg dry	73.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	43.0	U	ug/kg dry	43.0	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	37.0	U	ug/kg dry	37.0	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
<i>Surrogate: 2-Fluorobiphenyl (24-121%)</i> 94%											
<i>Surrogate: Nitrobenzene-d5 (19-111%)</i> 79%											
<i>Surrogate: Terphenyl-d14 (44-171%)</i> 78%											

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

Work Order: OPH0362  
Project: LAUREL BAY  
Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
Received: 08/18/06

### LABORATORY REPORT

Sample ID: 1468 CARDINAL 01 BOTTOM - Lab Number: OPH0362-11 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	96.6		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.221	U	ug/kg dry	0.221	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.458	I	ug/kg dry	0.255	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	2.23		ug/kg dry	0.333	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
108-88-3	Toluene	2.64		ug/kg dry	0.521	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	4.25		ug/kg dry	0.313	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	116 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	101 %									
	Surrogate: Dibromofluoromethane (55-145%)	106 %									
	Surrogate: Toluene-d8 (80-117%)	102 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	76.6	U	ug/kg dry	76.6	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	101	U	ug/kg dry	101	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	55.1	U	ug/kg dry	55.1	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	547		ug/kg dry	18.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	283		ug/kg dry	18.2	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	295		ug/kg dry	18.2	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	17.9	U	ug/kg dry	17.9	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	238		ug/kg dry	21.3	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	86.8	U	ug/kg dry	86.8	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	769		ug/kg dry	20.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	22.7	U	ug/kg dry	22.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	1000		ug/kg dry	24.9	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	67.7	U	ug/kg dry	67.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	22.4	U	ug/kg dry	22.4	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	73.7	U	ug/kg dry	73.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	69.4	U	ug/kg dry	69.4	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	166	I	ug/kg dry	40.8	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	1310		ug/kg dry	35.1	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	96 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	88 %									
	Surrogate: Terphenyl-d14 (44-171%)	117 %									

### LABORATORY REPORT

Sample ID: 1468 CARDINAL 02 SIDE - Lab Number: OPH0362-12 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	72.2		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.256	U	ug/kg dry	0.256	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.489	I	ug/kg dry	0.295	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019

TestAmerica - Orlando, FL  
Shali Brown  
Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 1468 CARDINAL 02 SIDE - Lab Number: OPH0362-12 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
91-20-3	Naphthalene	0.386	U	ug/kg dry	0.386	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.963		ug/kg dry	0.603	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	5.92		ug/kg dry	0.363	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	115 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	81 %									
	Surrogate: Dibromofluoromethane (55-145%)	107 %									
	Surrogate: Toluene-d8 (80-117%)	92 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	102	U	ug/kg dry	102	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	135	U	ug/kg dry	135	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	73.8	U	ug/kg dry	73.8	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	25.0	U	ug/kg dry	25.0	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	24.3	U	ug/kg dry	24.3	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	24.3	U	ug/kg dry	24.3	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	24.0	U	ug/kg dry	24.0	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	28.5	U	ug/kg dry	28.5	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	116	U	ug/kg dry	116	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	27.7	U	ug/kg dry	27.7	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,b) anthracene	30.4	U	ug/kg dry	30.4	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	33.3	U	ug/kg dry	33.3	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	90.5	U	ug/kg dry	90.5	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	29.9	U	ug/kg dry	29.9	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	98.6	U	ug/kg dry	98.6	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	92.9	U	ug/kg dry	92.9	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	54.6	U	ug/kg dry	54.6	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	47.0	U	ug/kg dry	47.0	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	97 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	86 %									
	Surrogate: Terphenyl-d14 (44-171%)	127 %									

### LABORATORY REPORT

Sample ID: 1472 CARDINAL 01 BOTTOM - Lab Number: OPH0362-13 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	82.0		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	45.4	RL2,U	ug/kg dry	45.4	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	586		ug/kg dry	52.5	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	5350		ug/kg dry	68.6	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
108-88-3	Toluene	107	U	ug/kg dry	107	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	628		ug/kg dry	64.5	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	102 %									

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 1472 CARDINAL 01 BOTTOM - Lab Number: OPH0362-13 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
	Surrogate: 4-Bromofluorobenzene (59-118%)	107 %									
	Surrogate: Dibromofluoromethane (55-145%)	101 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	3930		ug/kg dry	902	2040	10	08/25/06 00:28	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	119	U	ug/kg dry	119	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	15500		ug/kg dry	649	2040	10	08/25/06 00:28	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	126	I	ug/kg dry	22.0	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	21.4	U	ug/kg dry	21.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	21.4	U	ug/kg dry	21.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	21.1	U	ug/kg dry	21.1	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	25.1	U	ug/kg dry	25.1	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	102	U	ug/kg dry	102	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	24.4	U	ug/kg dry	24.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	26.7	U	ug/kg dry	26.7	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	29.3	U	ug/kg dry	29.3	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	79.7	U	ug/kg dry	79.7	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	26.4	U	ug/kg dry	26.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	60400		ug/kg dry	868	2040	10	08/25/06 13:31	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	14600		ug/kg dry	818	2040	10	08/25/06 13:31	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	15300		ug/kg dry	480	2040	10	08/25/06 00:28	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	41.4	U	ug/kg dry	41.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	32 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	*	J1,U								
	Surrogate: Terphenyl-d14 (44-171%)	65 %									

### LABORATORY REPORT

Sample ID: 1472 CARDINAL 02 SIDE - Lab Number: OPH0362-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	80.1		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.184	U	ug/kg dry	0.184	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.462	I	ug/kg dry	0.212	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.277	U	ug/kg dry	0.277	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.452	I	ug/kg dry	0.433	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	1.21		ug/kg dry	0.261	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	114 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	106 %									
	Surrogate: Dibromofluoromethane (55-145%)	105 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager



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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

## LABORATORY REPORT

Sample ID: 1472 CARDINAL 02 SIDE - Lab Number: OPH0362-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	92.4	U	ug/kg dry	92.4	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	122	U	ug/kg dry	122	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	66.5	U	ug/kg dry	66.5	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	22.6	U	ug/kg dry	22.6	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	21.9	U	ug/kg dry	21.9	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	21.9	U	ug/kg dry	21.9	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	21.6	U	ug/kg dry	21.6	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	25.7	U	ug/kg dry	25.7	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	1050	U	ug/kg dry	1050	2080	10	08/25/06 00:56	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	24.9	U	ug/kg dry	24.9	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	27.4	U	ug/kg dry	27.4	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	30.0	U	ug/kg dry	30.0	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	81.6	U	ug/kg dry	81.6	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	27.0	U	ug/kg dry	27.0	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	889	U	ug/kg dry	889	2080	10	08/25/06 00:56	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	837	U	ug/kg dry	837	2080	10	08/25/06 00:56	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	49.2	U	ug/kg dry	49.2	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	42.4	U	ug/kg dry	42.4	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		27 %									
Surrogate: Nitrobenzene-d5 (19-111%)		46 %									
Surrogate: Terphenyl-d14 (44-171%)		16 %	J1								

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### SAMPLE EXTRACTION DATA

Parameter	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Method
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-01	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-02	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-03	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-04	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-05	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-06	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-07	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-08	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-09	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-10	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-11	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-12	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-13	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-14	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS

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 Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
<b>General Chemistry Parameters</b>					
% Solids	0.100	U	%	6H21005	6H21005-BLK1
% Solids	0.100	U	%	6H21006	6H21006-BLK1
<b>Volatile Organic Compounds by EPA Method 8260B</b>					
Benzene	0.183	U	ug/kg wet	6H21019	6H21019-BLK2
Benzene	0.183	U	ug/kg wet	6H21019	6H21019-BLK1
Ethylbenzene	0.212	U	ug/kg wet	6H21019	6H21019-BLK2
Ethylbenzene	0.212	U	ug/kg wet	6H21019	6H21019-BLK1
Naphthalene	0.276	U	ug/kg wet	6H21019	6H21019-BLK1
Naphthalene	0.276	U	ug/kg wet	6H21019	6H21019-BLK2
Toluene	0.432	U	ug/kg wet	6H21019	6H21019-BLK1
Toluene	0.432	U	ug/kg wet	6H21019	6H21019-BLK2
Xylenes, total	0.260	U	ug/kg wet	6H21019	6H21019-BLK1
Xylenes, total	0.260	U	ug/kg wet	6H21019	6H21019-BLK2
Surrogate: 1,2-Dichloroethane-d4	48.6		ug/kg wet	6H21019	6H21019-BLK1
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: 4-Bromofluorobenzene	50.6		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: 4-Bromofluorobenzene	50.0		ug/kg wet	6H21019	6H21019-BLK1
Surrogate: Dibromofluoromethane	50.9		ug/kg wet	6H21019	6H21019-BLK1
Surrogate: Dibromofluoromethane	51.0		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: Toluene-d8	51.0		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: Toluene-d8	51.2		ug/kg wet	6H21019	6H21019-BLK1
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>					
Acenaphthene	74.0	U	ug/kg wet	6H22026	6H22026-BLK1
Acenaphthylene	97.7	U	ug/kg wet	6H22026	6H22026-BLK1
Anthracene	53.2	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (a) anthracene	18.1	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (b) fluoranthene	17.6	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (k) fluoranthene	17.6	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (g,h,i) perylene	17.3	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (a) pyrene	20.6	U	ug/kg wet	6H22026	6H22026-BLK1
1-Methylnaphthalene	83.8	U	ug/kg wet	6H22026	6H22026-BLK1
Chrysene	20.0	U	ug/kg wet	6H22026	6H22026-BLK1
Dibenz (a,h) anthracene	21.9	U	ug/kg wet	6H22026	6H22026-BLK1
Fluoranthene	24.0	U	ug/kg wet	6H22026	6H22026-BLK1
Fluorene	65.4	U	ug/kg wet	6H22026	6H22026-BLK1
Indeno (1,2,3-cd) pyrene	21.6	U	ug/kg wet	6H22026	6H22026-BLK1
2-Methylnaphthalene	71.2	U	ug/kg wet	6H22026	6H22026-BLK1
Naphthalene	67.1	U	ug/kg wet	6H22026	6H22026-BLK1
Phenanthrene	39.4	U	ug/kg wet	6H22026	6H22026-BLK1
Pyrene	33.9	U	ug/kg wet	6H22026	6H22026-BLK1
Surrogate: 2-Fluorobiphenyl	2870		ug/kg wet	6H22026	6H22026-BLK1

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**Blank - Cont.**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>					
Surrogate: Nitrobenzene-d5	2500		ug/kg wet	6H22026	6H22026-BLK1
Surrogate: Terphenyl-d14	3990		ug/kg wet	6H22026	6H22026-BLK1

**PROJECT QUALITY CONTROL DATA**  
**Duplicate**

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
<b>General Chemistry Parameters</b>								
% Solids	93.8	94.0		%	0.2	15.9	6H21006	OPH0362-07
% Solids	90.1	90.4		%	0.3	15.9	6H21005	OPH0361-01
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
Benzene	<0.320	0.320	U	ug/kg dry		30	6H21019	OPH0363-02
Ethylbenzene	<0.370	0.370	U	ug/kg dry		30	6H21019	OPH0363-02
Naphthalene	<0.483	0.483	U	ug/kg dry		30	6H21019	OPH0363-02
Toluene	<0.755	0.755	U	ug/kg dry		30	6H21019	OPH0363-02
Xylenes, total	<0.454	0.454	U	ug/kg dry		30	6H21019	OPH0363-02
Surrogate: 1,2-Dichloroethane-d4		58.3		ug/kg dry			6H21019	OPH0363-02
Surrogate: 4-Bromofluorobenzene		50.6		ug/kg dry			6H21019	OPH0363-02
Surrogate: Dibromofluoromethane		52.6		ug/kg dry			6H21019	OPH0363-02
Surrogate: Toluene-d8		51.1		ug/kg dry			6H21019	OPH0363-02

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PROJECT QUALITY CONTROL DATA  
 LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
<b>General Chemistry Parameters</b>							
% Solids	380	382		%	101	90 - 110	6H21006
% Solids	380	382		%	101	90 - 110	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>							
Benzene	50.0	48.4		ug/kg wet	97	84 - 113	6H21019
Benzene	50.0	47.0		ug/kg wet	94	84 - 113	6H21019
Ethylbenzene	50.0	47.2		ug/kg wet	94	85 - 124	6H21019
Ethylbenzene	50.0	45.0		ug/kg wet	90	85 - 124	6H21019
Naphthalene	50.0	55.1		ug/kg wet	110	90 - 137	6H21019
Naphthalene	50.0	53.8		ug/kg wet	108	90 - 137	6H21019
Toluene	50.0	48.8		ug/kg wet	98	82 - 112	6H21019
Toluene	50.0	49.0		ug/kg wet	98	82 - 112	6H21019
Xylenes, total	150	137		ug/kg wet	91	84 - 127	6H21019
Xylenes, total	150	144		ug/kg wet	96	84 - 127	6H21019
Surrogate: 1,2-Dichloroethane-d4	50.0	51.7		ug/kg wet	103	73 - 137	6H21019
Surrogate: 1,2-Dichloroethane-d4	50.0	50.2		ug/kg wet	100	73 - 137	6H21019
Surrogate: 4-Bromofluorobenzene	50.0	50.7		ug/kg wet	101	59 - 118	6H21019
Surrogate: 4-Bromofluorobenzene	50.0	51.2		ug/kg wet	102	59 - 118	6H21019
Surrogate: Dibromofluoromethane	50.0	51.1		ug/kg wet	102	55 - 145	6H21019
Surrogate: Dibromofluoromethane	50.0	51.4		ug/kg wet	103	55 - 145	6H21019
Surrogate: Toluene-d8	50.0	52.0		ug/kg wet	104	80 - 117	6H21019
Surrogate: Toluene-d8	50.0	51.3		ug/kg wet	103	80 - 117	6H21019
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>							
Acenaphthene	3330	2880		ug/kg wet	86	51 - 124	6H22026
Acenaphthylene	3330	3430		ug/kg wet	103	58 - 124	6H22026
Anthracene	3330	3190		ug/kg wet	96	61 - 122	6H22026
Benzo (a) anthracene	3330	2940		ug/kg wet	88	51 - 139	6H22026
Benzo (b) fluoranthene	3330	2610		ug/kg wet	78	57 - 129	6H22026
Benzo (k) fluoranthene	3330	2860		ug/kg wet	86	53 - 127	6H22026
Benzo (g,h,i) perylene	3330	3560		ug/kg wet	107	34 - 123	6H22026
Benzo (a) pyrene	3330	2840		ug/kg wet	85	65 - 109	6H22026
1-Methylnaphthalene	3330	2700		ug/kg wet	81	18 - 115	6H22026
Chrysene	3330	2960		ug/kg wet	89	55 - 130	6H22026
Dibenz (a,h) anthracene	3330	3630		ug/kg wet	109	48 - 125	6H22026
Fluoranthene	3330	2810		ug/kg wet	84	58 - 129	6H22026
Fluorene	3330	3360		ug/kg wet	101	61 - 128	6H22026
Indeno (1,2,3-cd) pyrene	3330	3740		ug/kg wet	112	44 - 126	6H22026
2-Methylnaphthalene	3330	2940		ug/kg wet	88	20 - 125	6H22026
Naphthalene	3330	2690		ug/kg wet	81	23 - 118	6H22026
Phenanthrene	3330	3140		ug/kg wet	94	61 - 120	6H22026

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

PROJECT QUALITY CONTROL DATA  
 LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>							
Pyrene	3330	3550		ug/kg wet	107	45 - 141	6H22026
Surrogate: 2-Fluorobiphenyl	3330	3450		ug/kg wet	104	24 - 121	6H22026
Surrogate: Nitrobenzene-d5	3330	2870		ug/kg wet	86	19 - 111	6H22026
Surrogate: Terphenyl-d14	3330	3760		ug/kg wet	113	44 - 171	6H22026

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**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
<b>Volatile Organic Compounds by EPA Method 8260B</b>									
Benzene	<0.183	15.0		ug/kg dry	50.0	30	18 - 126	6H21019	OPH0363-01
Benzene	<0.183	46.0		ug/kg dry	50.0	92	18 - 126	6H21019	OPH0354-01
Ethylbenzene	<0.212	8.45		ug/kg dry	50.0	17	12 - 120	6H21019	OPH0363-01
Ethylbenzene	<0.212	44.7		ug/kg dry	50.0	89	12 - 120	6H21019	OPH0354-01
Naphthalene	<0.276	6.17		ug/kg dry	50.0	12	10 - 125	6H21019	OPH0363-01
Naphthalene	<0.276	37.8		ug/kg dry	50.0	76	10 - 125	6H21019	OPH0354-01
Toluene	<0.432	12.3		ug/kg dry	50.0	25	10 - 130	6H21019	OPH0363-01
Toluene	0.257	46.7		ug/kg dry	50.0	93	10 - 130	6H21019	OPH0354-01
Xylenes, total	<0.260	24.4		ug/kg dry	150	16	10 - 126	6H21019	OPH0363-01
Xylenes, total	<0.260	134		ug/kg dry	150	89	10 - 126	6H21019	OPH0354-01
Surrogate: 1,2-Dichloroethane-d4		51.0		ug/kg dry	50.0	102	73 - 137	6H21019	OPH0354-01
Surrogate: 1,2-Dichloroethane-d4		62.5		ug/kg dry	50.0	125	73 - 137	6H21019	OPH0363-01
Surrogate: 4-Bromofluorobenzene		49.3		ug/kg dry	50.0	99	59 - 118	6H21019	OPH0354-01
Surrogate: 4-Bromofluorobenzene		51.2		ug/kg dry	50.0	102	59 - 118	6H21019	OPH0363-01
Surrogate: Dibromofluoromethane		51.4		ug/kg dry	50.0	103	55 - 145	6H21019	OPH0354-01
Surrogate: Dibromofluoromethane		54.2		ug/kg dry	50.0	108	55 - 145	6H21019	OPH0363-01
Surrogate: Toluene-d8		52.0		ug/kg dry	50.0	104	80 - 117	6H21019	OPH0363-01
Surrogate: Toluene-d8		51.2		ug/kg dry	50.0	102	80 - 117	6H21019	OPH0354-01
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>									
Acenaphthene	<76.6	2170		ug/kg dry	3450	63	40 - 125	6H22026	OPH0362-11
Acenaphthylene	<101	2440		ug/kg dry	3450	71	44 - 125	6H22026	OPH0362-11
Anthracene	<55.1	2340		ug/kg dry	3450	68	53 - 121	6H22026	OPH0362-11
Benzo (a) anthracene	547	2400		ug/kg dry	3450	54	46 - 135	6H22026	OPH0362-11
Benzo (b) fluoranthene	283	2060		ug/kg dry	3450	52	44 - 136	6H22026	OPH0362-11
Benzo (k) fluoranthene	295	2050		ug/kg dry	3450	51	43 - 131	6H22026	OPH0362-11
Benzo (g,h,i) perylene	<17.9	2810		ug/kg dry	3450	81	34 - 123	6H22026	OPH0362-11
Benzo (a) pyrene	238	2120		ug/kg dry	3450	55	51 - 115	6H22026	OPH0362-11
1-Methylnaphthalene	<86.8	2040		ug/kg dry	3450	59	11 - 112	6H22026	OPH0362-11
Chrysene	769	2440		ug/kg dry	3450	48	48 - 126	6H22026	OPH0362-11
Dibenz (a,h) anthracene	<22.7	2740		ug/kg dry	3450	79	38 - 119	6H22026	OPH0362-11
Fluoranthene	1000	2540		ug/kg dry	3450	45	33 - 138	6H22026	OPH0362-11
Fluorene	<67.7	2340		ug/kg dry	3450	68	48 - 128	6H22026	OPH0362-11
Indeno (1,2,3-cd) pyrene	<22.4	2900		ug/kg dry	3450	84	37 - 117	6H22026	OPH0362-11
2-Methylnaphthalene	<73.7	2220		ug/kg dry	3450	64	11 - 122	6H22026	OPH0362-11
Naphthalene	<69.4	2040		ug/kg dry	3450	59	15 - 116	6H22026	OPH0362-11
Phenanthrene	166	2380		ug/kg dry	3450	64	52 - 123	6H22026	OPH0362-11
Pyrene	1310	3150		ug/kg dry	3450	53	31 - 155	6H22026	OPH0362-11
Surrogate: 2-Fluorobiphenyl		2630		ug/kg dry	3450	76	24 - 121	6H22026	OPH0362-11
Surrogate: Nitrobenzene-d5		2120		ug/kg dry	3450	61	19 - 111	6H22026	OPH0362-11

TestAmerica - Orlando, FL  
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 Attn: JOHN MAHONEY

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike - Cont.**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>									
<i>Surrogate: Terphenyl-d14</i>		2960		ug/kg dry	3450	86	44 - 171	6H22026	OPH0362-11

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
Benzene	<0.183	35.4		ug/kg dry	50.0	71	26	30	6H21019	OPH0354-01
Ethylbenzene	<0.212	33.7		ug/kg dry	50.0	67	28	30	6H21019	OPH0354-01
Naphthalene	<0.276	29.5		ug/kg dry	50.0	59	25	30	6H21019	OPH0354-01
Toluene	0.279	36.0		ug/kg dry	50.0	71	26	30	6H21019	OPH0354-01
Xylenes, total	<0.260	103		ug/kg dry	150	69	26	30	6H21019	OPH0354-01
<i>Surrogate: 1,2-Dichloroethane-d4</i>		50.7		ug/kg dry	50.0	101			6H21019	OPH0354-01
<i>Surrogate: 4-Bromofluorobenzene</i>		49.5		ug/kg dry	50.0	99			6H21019	OPH0354-01
<i>Surrogate: Dibromofluoromethane</i>		50.8		ug/kg dry	50.0	102			6H21019	OPH0354-01
<i>Surrogate: Toluene-d8</i>		50.8		ug/kg dry	50.0	102			6H21019	OPH0354-01
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>										
Acenaphthene	<76.6	2830		ug/kg dry	3450	82	26	60	6H22026	OPH0362-11
Acenaphthylene	<101	3270		ug/kg dry	3450	95	29	51	6H22026	OPH0362-11
Anthracene	<55.1	3100		ug/kg dry	3450	90	28	60	6H22026	OPH0362-11
Benzo (a) anthracene	547	3160		ug/kg dry	3450	76	27	46	6H22026	OPH0362-11
Benzo (b) fluoranthene	283	2690		ug/kg dry	3450	70	27	60	6H22026	OPH0362-11
Benzo (k) fluoranthene	295	2660		ug/kg dry	3450	69	26	60	6H22026	OPH0362-11
Benzo (g,h,i) perylene	<17.9	3780		ug/kg dry	3450	110	29	38	6H22026	OPH0362-11
Benzo (a) pyrene	238	2740		ug/kg dry	3450	73	26	48	6H22026	OPH0362-11
1-Methylnaphthalene	<86.8	2580		ug/kg dry	3450	75	23	60	6H22026	OPH0362-11
Chrysene	769	3230		ug/kg dry	3450	71	28	36	6H22026	OPH0362-11
Dibenz (a,h) anthracene	<22.7	3700		ug/kg dry	3450	107	30	60	6H22026	OPH0362-11
Fluoranthene	1000	3370		ug/kg dry	3450	69	28	63	6H22026	OPH0362-11
Fluorene	<67.7	3260		ug/kg dry	3450	94	33	49	6H22026	OPH0362-11
Indeno (1,2,3-cd) pyrene	<22.4	3840		ug/kg dry	3450	111	28	60	6H22026	OPH0362-11
2-Methylnaphthalene	<73.7	2810		ug/kg dry	3450	81	23	71	6H22026	OPH0362-11
Naphthalene	<69.4	2570		ug/kg dry	3450	74	23	81	6H22026	OPH0362-11
Phenanthrene	166	3250		ug/kg dry	3450	89	31	60	6H22026	OPH0362-11
Pyrene	1310	4130		ug/kg dry	3450	82	27	90	6H22026	OPH0362-11
<i>Surrogate: 2-Fluorobiphenyl</i>		3300		ug/kg dry	3450	96			6H22026	OPH0362-11
<i>Surrogate: Nitrobenzene-d5</i>		2570		ug/kg dry	3450	74			6H22026	OPH0362-11
<i>Surrogate: Terphenyl-d14</i>		3710		ug/kg dry	3450	108			6H22026	OPH0362-11



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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### 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.
- RL2 Reporting limit raised due to high concentrations of hydrocarbons.
- 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: OPH0362

Shipped By: Fed Ex

Tracking Number: 858282354468

Cooler Received On: 08/18/06 09:20

And Opened On (Date/time): 8/18/06

Received By: Jessica Batura

Logged in by: Jessica Batura

Were custody seals on the outside of cooler? YES \_\_\_ NO  If Yes # \_\_\_ Location \_\_\_

Were custody seals intact? YES \_\_\_ NO \_\_\_ N/A  (no seals present)

Chain of Custody Complete? YES  NO \_\_\_ If No Discrepancy \_\_\_

Cooler Temperature When Opened: 5.00 Degrees Celsius

Temperature Blank Included: YES \_\_\_ NO

Packing Material: Bubblewrap  NONE \_\_\_ Other: \_\_\_

Received on Ice: YES  NO \_\_\_ Other: \_\_\_ Total # Of Containers: 20 # 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? 48, 14 methanol

Any Air Bubbles in VOA Vials? YES \_\_\_ NO  N/A \_\_\_ (no VOA vials received)

Was there enough sample shipped in each container? YES  NO \_\_\_

Correct Preservatives Used? YES  NO \_\_\_ If No, please explain: \_\_\_

Project Manager: Shali Brown

Corrective Actions Taken  
1468 cardinal on side - 1 jar had no sample  
date of time.  
1472 cardinal on bottom - 1 jar had no sample  
time.





143 Laurel Bay Blvd US

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  
Underground 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

**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

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

Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
#2 DIESEL					
350g.					
steel					
N					
N					
Removed					
8/14/06					
N					
N					

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

Recycling - SCRAP Steel

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

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

## VI. PIPING INFORMATION

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

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

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## VII. BRIEF SITE DESCRIPTION AND HISTORY

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Home Heating Oil TANK - RESIDENTIAL

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### VIII. SITE CONDITIONS

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

**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: 2ea Sodium Bisulfate 1ea  
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
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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				

143 Laurel Bay Blvd



size of tank 5ft

length of hole 11ft 7in

width " " 7ft - \*2nd tank 9ft

depth " " 6ft 4in - \*2nd tank 4ft

house to center of tank 4ft 8in - \*2nd tank 9ft 4in

\*second tank found





## **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)

7

# TestAmerica

ANALYTICAL TESTING CORPORATION

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

August 25, 2006

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

Work Order: OPH0362  
Project Name: LAUREL BAY  
Project Number: EP 2362  
Date Received: 08/18/06

Attn: JOHN MAHONEY

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
441-01 BOTTOM	OPH0362-01	08/14/06 10:15
441-02 SIDE	OPH0362-02	08/14/06 10:15
143 LBB-01 BOTTOM	OPH0362-03	08/14/06 14:00
143 LBB-02 SIDE	OPH0362-04	08/14/06 14:00
143 LBB-03 BOTTOM	OPH0362-05	08/14/06 14:30
143 LBB-04 SIDE	OPH0362-06	08/14/06 14:30
270 BIRCH-01 BOTTOM	OPH0362-07	08/15/06 08:45
270 BIRCH-02 SIDE	OPH0362-08	08/15/06 08:50
201 BALSAM-01 BOTTOM	OPH0362-09	08/15/06 13:40
201 BALSAM-02 SIDE	OPH0362-10	08/15/06 13:45
1468 CARDINAL 01 BOTTOM	OPH0362-11	08/16/06 09:25
1468 CARDINAL 02 SIDE	OPH0362-12	08/16/06 09:25
1472 CARDINAL 01 BOTTOM	OPH0362-13	08/16/06 13:30
1472 CARDINAL 02 SIDE	OPH0362-14	08/16/06 14:00

Samples were received into laboratory at a temperature of 5.00 °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.

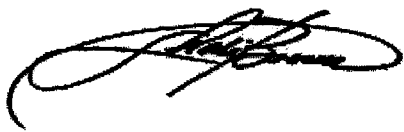
This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are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

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

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**LABORATORY REPORT**  
**Sample ID: 441-01 BOTTOM - Lab Number: OPH0362-01 - Matrix: Solid/Soil**

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	85.5		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	43.0	RL2,U	ug/kg dry	43.0	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	1480		ug/kg dry	49.7	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	15600		ug/kg dry	64.9	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
108-88-3	Toluene	127		ug/kg dry	102	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	4530		ug/kg dry	61.0	118	250	08/18/06 17:12	JLS	EPA 8260B	6H21019
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		99 %									
Surrogate: 4-Bromofluorobenzene (59-118%)		103 %									
Surrogate: Dibromofluoromethane (55-145%)		102 %									
Surrogate: Toluene-d8 (80-117%)		102 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	86.5	U	ug/kg dry	86.5	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	114	U	ug/kg dry	114	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	7410		ug/kg dry	623	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	242	I	ug/kg dry	211	1950	10	08/24/06 18:52	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	20.6	U	ug/kg dry	20.6	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	20.6	U	ug/kg dry	20.6	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.3	U	ug/kg dry	20.3	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	24.0	U	ug/kg dry	24.0	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	22700		ug/kg dry	980	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	23.4	U	ug/kg dry	23.4	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.6	U	ug/kg dry	25.6	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	28.1	U	ug/kg dry	28.1	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	1350		ug/kg dry	76.4	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.3	U	ug/kg dry	25.3	195	1	08/24/06 18:52	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	34000		ug/kg dry	833	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	5880		ug/kg dry	784	1950	10	08/24/06 18:52	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	7320		ug/kg dry	461	1950	10	08/25/06 09:17	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	511	I	ug/kg dry	397	1950	10	08/24/06 18:52	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		67 %									
Surrogate: Nitrobenzene-d5 (19-111%)		93 %									
Surrogate: Terphenyl-d14 (44-171%)		35 %	J1								

**LABORATORY REPORT**  
**Sample ID: 441-02 SIDE - Lab Number: OPH0362-02 - Matrix: Solid/Soil**

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	86.2		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	47.5	RL2,U	ug/kg dry	47.5	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	781		ug/kg dry	54.9	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 441-02 SIDE - Lab Number: OPH0362-02 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
91-20-3	Naphthalene	10200		ug/kg dry	71.6	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
108-88-3	Toluene	117	I	ug/kg dry	112	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	1480		ug/kg dry	67.4	130	250	08/18/06 17:29	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	98 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	108 %									
	Surrogate: Dibromofluoromethane (55-145%)	101 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	85.8	U	ug/kg dry	85.8	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	113	U	ug/kg dry	113	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	12800		ug/kg dry	618	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	619		ug/kg dry	21.0	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	454		ug/kg dry	20.4	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	463		ug/kg dry	20.4	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.1	U	ug/kg dry	20.1	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	23.8	U	ug/kg dry	23.8	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	36100		ug/kg dry	973	1940	10	08/25/06 10:42	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	874	I	ug/kg dry	232	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.4	U	ug/kg dry	25.4	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	27.9	U	ug/kg dry	27.9	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	75.8	U	ug/kg dry	75.8	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.1	U	ug/kg dry	25.1	194	1	08/24/06 19:20	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	51200		ug/kg dry	826	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	9560		ug/kg dry	778	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	12700		ug/kg dry	457	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	2010		ug/kg dry	394	1940	10	08/24/06 19:20	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	80 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	57 %									
	Surrogate: Terphenyl-d14 (44-171%)	90 %									

### LABORATORY REPORT

Sample ID: 143 LBB-01 BOTTOM - Lab Number: OPH0362-03 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	82.4		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.164	U	ug/kg dry	0.164	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	2.24		ug/kg dry	0.190	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	12.2		ug/kg dry	0.248	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.388	U	ug/kg dry	0.388	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.512		ug/kg dry	0.233	0.449	1	08/18/06 13:50	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	111 %									

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

## LABORATORY REPORT

Sample ID: 143 LBB-01 BOTTOM - Lab Number: OPH0362-03 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
Surrogate: 4-Bromofluorobenzene (59-118%)		106 %									
Surrogate: Dibromofluoromethane (55-145%)		106 %									
Surrogate: Toluene-d8 (80-117%)		104 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	89.8	U	ug/kg dry	89.8	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	119	U	ug/kg dry	119	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	64.6	U	ug/kg dry	64.6	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	21.9	U	ug/kg dry	21.9	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	21.3	U	ug/kg dry	21.3	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	21.3	U	ug/kg dry	21.3	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	21.0	U	ug/kg dry	21.0	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	24.9	U	ug/kg dry	24.9	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	102	U	ug/kg dry	102	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	24.2	U	ug/kg dry	24.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	26.6	U	ug/kg dry	26.6	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	29.2	U	ug/kg dry	29.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	79.3	U	ug/kg dry	79.3	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	26.2	U	ug/kg dry	26.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	86.4	U	ug/kg dry	86.4	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	81.4	U	ug/kg dry	81.4	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	47.8	U	ug/kg dry	47.8	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	41.2	U	ug/kg dry	41.2	203	1	08/24/06 19:48	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		87 %									
Surrogate: Nitrobenzene-d5 (19-111%)		78 %									
Surrogate: Terphenyl-d14 (44-171%)		94 %									

## LABORATORY REPORT

Sample ID: 143 LBB-02 SIDE - Lab Number: OPH0362-04 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	89.8		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.178	U	ug/kg dry	0.178	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.206	U	ug/kg dry	0.206	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.269	U	ug/kg dry	0.269	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.420	U	ug/kg dry	0.420	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.253	U	ug/kg dry	0.253	0.487	1	08/18/06 14:10	JLS	EPA 8260B	6H21019
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		113 %									
Surrogate: 4-Bromofluorobenzene (59-118%)		104 %									
Surrogate: Dibromofluoromethane (55-145%)		105 %									
Surrogate: Toluene-d8 (80-117%)		103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 143 LBB-02 SIDE - Lab Number: OPH0362-04 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	82.4	U	ug/kg dry	82.4	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	109	U	ug/kg dry	109	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	59.3	U	ug/kg dry	59.3	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	20.1	U	ug/kg dry	20.1	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	19.6	U	ug/kg dry	19.6	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	19.6	U	ug/kg dry	19.6	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	19.3	U	ug/kg dry	19.3	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	22.9	U	ug/kg dry	22.9	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	93.4	U	ug/kg dry	93.4	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	22.2	U	ug/kg dry	22.2	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	24.4	U	ug/kg dry	24.4	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	26.7	U	ug/kg dry	26.7	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	72.8	U	ug/kg dry	72.8	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	24.1	U	ug/kg dry	24.1	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	79.3	U	ug/kg dry	79.3	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	74.7	U	ug/kg dry	74.7	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	43.9	U	ug/kg dry	43.9	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	37.8	U	ug/kg dry	37.8	186	1	08/24/06 20:16	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		102 %									
Surrogate: Nitrobenzene-d5 (19-111%)		94 %									
Surrogate: Terphenyl-d14 (44-171%)		114 %									

### LABORATORY REPORT

Sample ID: 143 LBB-03 BOTTOM - Lab Number: OPH0362-05 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	86.3		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.169	U	ug/kg dry	0.169	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.195	U	ug/kg dry	0.195	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.254	U	ug/kg dry	0.254	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.398	U	ug/kg dry	0.398	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.239	U	ug/kg dry	0.239	0.461	1	08/18/06 14:30	JLS	EPA 8260B	6H21019
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		111 %									
Surrogate: 4-Bromofluorobenzene (59-118%)		103 %									
Surrogate: Dibromofluoromethane (55-145%)		104 %									
Surrogate: Toluene-d8 (80-117%)		103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	85.7	U	ug/kg dry	85.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	113	U	ug/kg dry	113	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	61.7	U	ug/kg dry	61.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	21.0	U	ug/kg dry	21.0	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 143 LBB-03 BOTTOM - Lab Number: OPH0362-05 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
205-99-2	Benzo (b) fluoranthene	20.4	U	ug/kg dry	20.4	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	20.4	U	ug/kg dry	20.4	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.1	U	ug/kg dry	20.1	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	23.8	U	ug/kg dry	23.8	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	97.1	U	ug/kg dry	97.1	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	23.2	U	ug/kg dry	23.2	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.4	U	ug/kg dry	25.4	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	27.8	U	ug/kg dry	27.8	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	75.7	U	ug/kg dry	75.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.1	U	ug/kg dry	25.1	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	82.5	U	ug/kg dry	82.5	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	77.7	U	ug/kg dry	77.7	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	45.6	U	ug/kg dry	45.6	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	39.3	U	ug/kg dry	39.3	194	1	08/24/06 20:44	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	91 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	82 %									
	Surrogate: Terphenyl-d14 (44-171%)	122 %									

### LABORATORY REPORT

Sample ID: 143 LBB-04 SIDE - Lab Number: OPH0362-06 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	92.6		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.181	U	ug/kg dry	0.181	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.210	U	ug/kg dry	0.210	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.274	U	ug/kg dry	0.274	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.428	U	ug/kg dry	0.428	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.257	U	ug/kg dry	0.257	0.495	1	08/18/06 14:51	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	117 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	104 %									
	Surrogate: Dibromofluoromethane (55-145%)	107 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	79.9	U	ug/kg dry	79.9	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	57.5	U	ug/kg dry	57.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	19.5	U	ug/kg dry	19.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	18.7	U	ug/kg dry	18.7	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	22.2	U	ug/kg dry	22.2	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 143 LBB-04 SIDE - Lab Number: OPH0362-06 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
90-12-0	1-Methylnaphthalene	90.5	U	ug/kg dry	90.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	21.6	U	ug/kg dry	21.6	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.7	U	ug/kg dry	23.7	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	70.6	U	ug/kg dry	70.6	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	23.3	U	ug/kg dry	23.3	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	76.9	U	ug/kg dry	76.9	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	72.4	U	ug/kg dry	72.4	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	42.5	U	ug/kg dry	42.5	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	36.6	U	ug/kg dry	36.6	180	1	08/24/06 21:12	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		65 %									
Surrogate: Nitrobenzene-d5 (19-111%)		75 %									
Surrogate: Terphenyl-d14 (44-171%)		124 %									

### LABORATORY REPORT

Sample ID: 270 BIRCH-01 BOTTOM - Lab Number: OPH0362-07 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	93.8		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.206	U	ug/kg dry	0.206	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.238	U	ug/kg dry	0.238	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.311	U	ug/kg dry	0.311	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.486	U	ug/kg dry	0.486	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.292	U	ug/kg dry	0.292	0.562	1	08/18/06 15:13	JLS	EPA 8260B	6H21019
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		112 %									
Surrogate: 4-Bromofluorobenzene (59-118%)		102 %									
Surrogate: Dibromofluoromethane (55-145%)		104 %									
Surrogate: Toluene-d8 (80-117%)		103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	78.9	U	ug/kg dry	78.9	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	104	U	ug/kg dry	104	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	56.8	U	ug/kg dry	56.8	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	19.3	U	ug/kg dry	19.3	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	18.7	U	ug/kg dry	18.7	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	18.7	U	ug/kg dry	18.7	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	18.5	U	ug/kg dry	18.5	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	21.9	U	ug/kg dry	21.9	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	89.4	U	ug/kg dry	89.4	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	21.3	U	ug/kg dry	21.3	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.4	U	ug/kg dry	23.4	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	25.6	U	ug/kg dry	25.6	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026



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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 270 BIRCH-01 BOTTOM - Lab Number: OPH0362-07 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
86-73-7	Fluorene	69.7	U	ug/kg dry	69.7	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	23.0	U	ug/kg dry	23.0	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	75.9	U	ug/kg dry	75.9	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	71.5	U	ug/kg dry	71.5	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	42.0	U	ug/kg dry	42.0	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	36.2	U	ug/kg dry	36.2	178	1	08/24/06 21:40	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	93 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	88 %									
	Surrogate: Terphenyl-d14 (44-171%)	130 %									

### LABORATORY REPORT

Sample ID: 270 BIRCH-02 SIDE - Lab Number: OPH0362-08 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	95.2		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.191	U	ug/kg dry	0.191	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.221	U	ug/kg dry	0.221	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.288	U	ug/kg dry	0.288	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.451	U	ug/kg dry	0.451	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.271	U	ug/kg dry	0.271	0.522	1	08/18/06 15:34	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	111 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	99 %									
	Surrogate: Dibromofluoromethane (55-145%)	106 %									
	Surrogate: Toluene-d8 (80-117%)	101 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	77.7	U	ug/kg dry	77.7	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	103	U	ug/kg dry	103	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	55.9	U	ug/kg dry	55.9	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	19.0	U	ug/kg dry	19.0	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	18.5	U	ug/kg dry	18.5	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	18.5	U	ug/kg dry	18.5	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	18.2	U	ug/kg dry	18.2	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	21.6	U	ug/kg dry	21.6	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	88.1	U	ug/kg dry	88.1	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	21.0	U	ug/kg dry	21.0	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.0	U	ug/kg dry	23.0	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	25.2	U	ug/kg dry	25.2	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	68.7	U	ug/kg dry	68.7	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	22.7	U	ug/kg dry	22.7	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	74.8	U	ug/kg dry	74.8	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	70.4	U	ug/kg dry	70.4	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 270 BIRCH-02 SIDE - Lab Number: OPH0362-08 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
85-01-8	Phenanthrene	41.4	U	ug/kg dry	41.4	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	35.6	U	ug/kg dry	35.6	175	1	08/24/06 22:08	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	94 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	87 %									
	Surrogate: Terphenyl-d14 (44-171%)	123 %									

### LABORATORY REPORT

Sample ID: 201 BALSAM-01 BOTTOM - Lab Number: OPH0362-09 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	85.4		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	44.3	RL2,U	ug/kg dry	44.3	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	2370		ug/kg dry	51.2	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	16600		ug/kg dry	66.8	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
108-88-3	Toluene	104	U	ug/kg dry	104	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	1810		ug/kg dry	62.8	121	250	08/18/06 17:47	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	101 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	107 %									
	Surrogate: Dibromofluoromethane (55-145%)	101 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	2250		ug/kg dry	867	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	114	U	ug/kg dry	114	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	11200		ug/kg dry	624	1960	10	08/25/06 12:35	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	21.2	U	ug/kg dry	21.2	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	20.6	U	ug/kg dry	20.6	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	20.6	U	ug/kg dry	20.6	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	20.3	U	ug/kg dry	20.3	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	24.1	U	ug/kg dry	24.1	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	21500		ug/kg dry	982	1960	10	08/25/06 12:35	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	464	I	ug/kg dry	234	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	25.7	U	ug/kg dry	25.7	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	706	I	ug/kg dry	281	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	2490		ug/kg dry	76.5	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	25.3	U	ug/kg dry	25.3	196	1	08/24/06 22:36	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	25500		ug/kg dry	834	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	4220		ug/kg dry	785	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	11100		ug/kg dry	461	1960	10	08/25/06 12:35	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	1530	I	ug/kg dry	397	1960	10	08/24/06 22:36	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	85 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	39 %									

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**LABORATORY REPORT**

Sample ID: 201 BALSAM-01 BOTTOM - Lab Number: OPH0362-09 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.</b>											
<i>Surrogate: Terphenyl-d14 (44-171%)</i> 83 %											

**LABORATORY REPORT**

Sample ID: 201 BALSAM-02 SIDE - Lab Number: OPH0362-10 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	91.6		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.161	U	ug/kg dry	0.161	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.186	U	ug/kg dry	0.186	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.414	r	ug/kg dry	0.243	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.380	U	ug/kg dry	0.380	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	0.229	U	ug/kg dry	0.229	0.440	1	08/18/06 15:55	JLS	EPA 8260B	6H21019
<i>Surrogate: 1,2-Dichloroethane-d4 (73-137%)</i> 116 %											
<i>Surrogate: 4-Bromofluorobenzene (59-118%)</i> 98 %											
<i>Surrogate: Dibromofluoromethane (55-145%)</i> 106 %											
<i>Surrogate: Toluene-d8 (80-117%)</i> 99 %											
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	80.8	U	ug/kg dry	80.8	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	107	U	ug/kg dry	107	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	58.1	U	ug/kg dry	58.1	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	519		ug/kg dry	19.7	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	219		ug/kg dry	19.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	228		ug/kg dry	19.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	833		ug/kg dry	18.9	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	923		ug/kg dry	22.4	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	91.5	U	ug/kg dry	91.5	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	577		ug/kg dry	21.8	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	23.9	U	ug/kg dry	23.9	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	26.2	U	ug/kg dry	26.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	71.4	U	ug/kg dry	71.4	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	718		ug/kg dry	23.6	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	77.7	U	ug/kg dry	77.7	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	73.2	U	ug/kg dry	73.2	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	43.0	U	ug/kg dry	43.0	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	37.0	U	ug/kg dry	37.0	182	1	08/24/06 23:04	LCS	EPA 8270C	6H22026
<i>Surrogate: 2-Fluorobiphenyl (24-121%)</i> 94 %											
<i>Surrogate: Nitrobenzene-d5 (19-111%)</i> 79 %											
<i>Surrogate: Terphenyl-d14 (44-171%)</i> 78 %											

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 1468 CARDINAL 01 BOTTOM - Lab Number: OPH0362-11 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	96.6		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.221	U	ug/kg dry	0.221	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.458	I	ug/kg dry	0.255	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	2.23		ug/kg dry	0.333	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
108-88-3	Toluene	2.64		ug/kg dry	0.521	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	4.25		ug/kg dry	0.313	0.603	1	08/18/06 16:16	JLS	EPA 8260B	6H21019
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		116 %									
Surrogate: 4-Bromofluorobenzene (59-118%)		101 %									
Surrogate: Dibromofluoromethane (55-145%)		106 %									
Surrogate: Toluene-d8 (80-117%)		102 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	76.6	U	ug/kg dry	76.6	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	101	U	ug/kg dry	101	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	55.1	U	ug/kg dry	55.1	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	547		ug/kg dry	18.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	283		ug/kg dry	18.2	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	295		ug/kg dry	18.2	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	17.9	U	ug/kg dry	17.9	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	238		ug/kg dry	21.3	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	86.8	U	ug/kg dry	86.8	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	769		ug/kg dry	20.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	22.7	U	ug/kg dry	22.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	1000		ug/kg dry	24.9	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	67.7	U	ug/kg dry	67.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	22.4	U	ug/kg dry	22.4	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	73.7	U	ug/kg dry	73.7	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	69.4	U	ug/kg dry	69.4	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	166	I	ug/kg dry	40.8	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	1310		ug/kg dry	35.1	173	1	08/24/06 23:32	LCS	EPA 8270C	6H22026
Surrogate: 2-Fluorobiphenyl (24-121%)		96 %									
Surrogate: Nitrobenzene-d5 (19-111%)		88 %									
Surrogate: Terphenyl-d14 (44-171%)		117 %									

### LABORATORY REPORT

Sample ID: 1468 CARDINAL 02 SIDE - Lab Number: OPH0362-12 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	72.2		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.256	U	ug/kg dry	0.256	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.489	I	ug/kg dry	0.295	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 1468 CARDINAL 02 SIDE - Lab Number: OPH0362-12 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
91-20-3	Naphthalene	0.386	U	ug/kg dry	0.386	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.963		ug/kg dry	0.603	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	5.92		ug/kg dry	0.363	0.698	1	08/18/06 16:37	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	115 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	81 %									
	Surrogate: Dibromofluoromethane (55-145%)	107 %									
	Surrogate: Toluene-d8 (80-117%)	92 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	102	U	ug/kg dry	102	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	135	U	ug/kg dry	135	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	73.8	U	ug/kg dry	73.8	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	25.0	U	ug/kg dry	25.0	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	24.3	U	ug/kg dry	24.3	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	24.3	U	ug/kg dry	24.3	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	24.0	U	ug/kg dry	24.0	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	28.5	U	ug/kg dry	28.5	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	116	U	ug/kg dry	116	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	27.7	U	ug/kg dry	27.7	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	30.4	U	ug/kg dry	30.4	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	33.3	U	ug/kg dry	33.3	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	90.5	U	ug/kg dry	90.5	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	29.9	U	ug/kg dry	29.9	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	98.6	U	ug/kg dry	98.6	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	92.9	U	ug/kg dry	92.9	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	54.6	U	ug/kg dry	54.6	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	47.0	U	ug/kg dry	47.0	231	1	08/25/06 00:00	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	97 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	86 %									
	Surrogate: Terphenyl-d14 (44-171%)	127 %									

### LABORATORY REPORT

Sample ID: 1472 CARDINAL 01 BOTTOM - Lab Number: OPH0362-13 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	82.0		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	45.4	RL2,U	ug/kg dry	45.4	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	586		ug/kg dry	52.5	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	5350		ug/kg dry	68.6	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
108-88-3	Toluene	107	U	ug/kg dry	107	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	628		ug/kg dry	64.5	124	250	08/18/06 18:04	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	102 %									

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 1472 CARDINAL 01 BOTTOM - Lab Number: OPH0362-13 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Volatile Organic Compounds by EPA Method 8260B - Cont.</b>											
	Surrogate: 4-Bromofluorobenzene (59-118%)	107 %									
	Surrogate: Dibromofluoromethane (55-145%)	101 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	3930		ug/kg dry	902	2040	10	08/25/06 00:28	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	119	U	ug/kg dry	119	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	15500		ug/kg dry	649	2040	10	08/25/06 00:28	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	126	I	ug/kg dry	22.0	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	21.4	U	ug/kg dry	21.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	21.4	U	ug/kg dry	21.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	21.1	U	ug/kg dry	21.1	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	25.1	U	ug/kg dry	25.1	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	102	U	ug/kg dry	102	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	24.4	U	ug/kg dry	24.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	26.7	U	ug/kg dry	26.7	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	29.3	U	ug/kg dry	29.3	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	79.7	U	ug/kg dry	79.7	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	26.4	U	ug/kg dry	26.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	60400		ug/kg dry	868	2040	10	08/25/06 13:31	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	14600		ug/kg dry	818	2040	10	08/25/06 13:31	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	15300		ug/kg dry	480	2040	10	08/25/06 00:28	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	41.4	U	ug/kg dry	41.4	204	1	08/25/06 00:28	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	32 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	*	J1,U								
	Surrogate: Terphenyl-d14 (44-171%)	65 %									

### LABORATORY REPORT

Sample ID: 1472 CARDINAL 02 SIDE - Lab Number: OPH0362-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
NA	% Solids	80.1		%	0.100	0.100	1	08/18/06 17:19	AKA	EPA 160.3	6H21006
<b>Volatile Organic Compounds by EPA Method 8260B</b>											
71-43-2	Benzene	0.184	U	ug/kg dry	0.184	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
100-41-4	Ethylbenzene	0.462	I	ug/kg dry	0.212	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
91-20-3	Naphthalene	0.277	U	ug/kg dry	0.277	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
108-88-3	Toluene	0.452	I	ug/kg dry	0.433	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
1330-20-7	Xylenes, total	1.21		ug/kg dry	0.261	0.502	1	08/18/06 16:54	JLS	EPA 8260B	6H21019
	Surrogate: 1,2-Dichloroethane-d4 (73-137%)	114 %									
	Surrogate: 4-Bromofluorobenzene (59-118%)	106 %									
	Surrogate: Dibromofluoromethane (55-145%)	105 %									
	Surrogate: Toluene-d8 (80-117%)	103 %									

### Polynuclear Aromatic Hydrocarbons by EPA Method 8270

TestAmerica - Orlando, FL  
 Shali Brown  
 Project Manager

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### LABORATORY REPORT

Sample ID: 1472 CARDINAL 02 SIDE - Lab Number: OPH0362-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>											
83-32-9	Acenaphthene	92.4	U	ug/kg dry	92.4	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
208-96-8	Acenaphthylene	122	U	ug/kg dry	122	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
120-12-7	Anthracene	66.5	U	ug/kg dry	66.5	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
56-55-3	Benzo (a) anthracene	22.6	U	ug/kg dry	22.6	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
205-99-2	Benzo (b) fluoranthene	21.9	U	ug/kg dry	21.9	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
207-08-9	Benzo (k) fluoranthene	21.9	U	ug/kg dry	21.9	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
191-24-2	Benzo (g,h,i) perylene	21.6	U	ug/kg dry	21.6	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
50-32-8	Benzo (a) pyrene	25.7	U	ug/kg dry	25.7	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
90-12-0	1-Methylnaphthalene	1050	U	ug/kg dry	1050	2080	10	08/25/06 00:56	LCS	EPA 8270C	6H22026
218-01-9	Chrysene	24.9	U	ug/kg dry	24.9	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
53-70-3	Dibenz (a,h) anthracene	27.4	U	ug/kg dry	27.4	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
206-44-0	Fluoranthene	30.0	U	ug/kg dry	30.0	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
86-73-7	Fluorene	81.6	U	ug/kg dry	81.6	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
193-39-5	Indeno (1,2,3-cd) pyrene	27.0	U	ug/kg dry	27.0	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
91-57-6	2-Methylnaphthalene	889	U	ug/kg dry	889	2080	10	08/25/06 00:56	LCS	EPA 8270C	6H22026
91-20-3	Naphthalene	837	U	ug/kg dry	837	2080	10	08/25/06 00:56	LCS	EPA 8270C	6H22026
85-01-8	Phenanthrene	49.2	U	ug/kg dry	49.2	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
129-00-0	Pyrene	42.4	U	ug/kg dry	42.4	208	1	08/25/06 00:56	LCS	EPA 8270C	6H22026
	Surrogate: 2-Fluorobiphenyl (24-121%)	27 %									
	Surrogate: Nitrobenzene-d5 (19-111%)	46 %									
	Surrogate: Terphenyl-d14 (44-171%)	16 %	J1								

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

Work Order: OPH0362  
Project: LAUREL BAY  
Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
Received: 08/18/06

### SAMPLE EXTRACTION DATA

Parameter	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Method
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-01	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-02	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-03	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-04	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-05	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-06	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-07	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-08	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-09	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-10	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-11	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-12	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-13	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS
Polynuclear Aromatic Hydrocarbons by EPA Method 8270	OPH0362-14	30.0 g	1.0 mL	08/22/2006	YGM	EPA 3545 MS



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Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
<b>General Chemistry Parameters</b>					
% Solids	0.100	U	%	6H21005	6H21005-BLK1
% Solids	0.100	U	%	6H21006	6H21006-BLK1
<b>Volatile Organic Compounds by EPA Method 8260B</b>					
Benzene	0.183	U	ug/kg wet	6H21019	6H21019-BLK2
Benzene	0.183	U	ug/kg wet	6H21019	6H21019-BLK1
Ethylbenzene	0.212	U	ug/kg wet	6H21019	6H21019-BLK2
Ethylbenzene	0.212	U	ug/kg wet	6H21019	6H21019-BLK1
Naphthalene	0.276	U	ug/kg wet	6H21019	6H21019-BLK1
Naphthalene	0.276	U	ug/kg wet	6H21019	6H21019-BLK2
Toluene	0.432	U	ug/kg wet	6H21019	6H21019-BLK1
Toluene	0.432	U	ug/kg wet	6H21019	6H21019-BLK2
Xylenes, total	0.260	U	ug/kg wet	6H21019	6H21019-BLK1
Xylenes, total	0.260	U	ug/kg wet	6H21019	6H21019-BLK2
Surrogate: 1,2-Dichloroethane-d4	48.6		ug/kg wet	6H21019	6H21019-BLK1
Surrogate: 1,2-Dichloroethane-d1	50.1		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: 4-Bromofluorobenzene	50.6		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: 4-Bromofluorobenzene	50.0		ug/kg wet	6H21019	6H21019-BLK1
Surrogate: Dibromofluoromethane	50.9		ug/kg wet	6H21019	6H21019-BLK1
Surrogate: Dibromofluoromethane	51.0		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: Toluene-d8	51.0		ug/kg wet	6H21019	6H21019-BLK2
Surrogate: Toluene-d8	51.2		ug/kg wet	6H21019	6H21019-BLK1
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>					
Acenaphthene	74.0	U	ug/kg wet	6H22026	6H22026-BLK1
Acenaphthylene	97.7	U	ug/kg wet	6H22026	6H22026-BLK1
Anthracene	53.2	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (a) anthracene	18.1	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (b) fluoranthene	17.6	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (k) fluoranthene	17.6	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (g,h,i) perylene	17.3	U	ug/kg wet	6H22026	6H22026-BLK1
Benzo (a) pyrene	20.6	U	ug/kg wet	6H22026	6H22026-BLK1
1-Methylnaphthalene	83.8	U	ug/kg wet	6H22026	6H22026-BLK1
Chrysene	20.0	U	ug/kg wet	6H22026	6H22026-BLK1
Dibenz (a,h) anthracene	21.9	U	ug/kg wet	6H22026	6H22026-BLK1
Fluoranthene	24.0	U	ug/kg wet	6H22026	6H22026-BLK1
Fluorene	65.4	U	ug/kg wet	6H22026	6H22026-BLK1
Indeno (1,2,3-cd) pyrene	21.6	U	ug/kg wet	6H22026	6H22026-BLK1
2-Methylnaphthalene	71.2	U	ug/kg wet	6H22026	6H22026-BLK1
Naphthalene	67.1	U	ug/kg wet	6H22026	6H22026-BLK1
Phenanthrene	39.4	U	ug/kg wet	6H22026	6H22026-BLK1
Pyrene	33.9	U	ug/kg wet	6H22026	6H22026-BLK1
Surrogate: 2-Fluorobiphenyl	2870		ug/kg wet	6H22026	6H22026-BLK1

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**Blank - Cont.**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>					
Surrogate: Nitrobenzene-d5	2500		ug/kg wet	6H22026	6H22026-BLK1
Surrogate: Terphenyl-d14	3990		ug/kg wet	6H22026	6H22026-BLK1

**PROJECT QUALITY CONTROL DATA**  
**Duplicate**

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
<b>General Chemistry Parameters</b>								
% Solids	93.8	94.0		%	0.2	15.9	6H21006	OPH0362-07
% Solids	90.1	90.4		%	0.3	15.9	6H21005	OPH0361-01
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
Benzene	<0.320	0.320	U	ug/kg dry		30	6H21019	OPH0363-02
Ethylbenzene	<0.370	0.370	U	ug/kg dry		30	6H21019	OPH0363-02
Naphthalene	<0.483	0.483	U	ug/kg dry		30	6H21019	OPH0363-02
Toluene	<0.755	0.755	U	ug/kg dry		30	6H21019	OPH0363-02
Xylenes, total	<0.454	0.454	U	ug/kg dry		30	6H21019	OPH0363-02
Surrogate: 1,2-Dichloroethane-d4		58.3		ug/kg dry			6H21019	OPH0363-02
Surrogate: 4-Bromofluorobenzene		50.6		ug/kg dry			6H21019	OPH0363-02
Surrogate: Dibromofluoromethane		52.6		ug/kg dry			6H21019	OPH0363-02
Surrogate: Toluene-d8		51.1		ug/kg dry			6H21019	OPH0363-02

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

PROJECT QUALITY CONTROL DATA  
 LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
<b>General Chemistry Parameters</b>							
% Solids	380	382		%	101	90 - 110	6H21006
% Solids	380	382		%	101	90 - 110	6H21005
<b>Volatile Organic Compounds by EPA Method 8260B</b>							
Benzene	50.0	48.4		ug/kg wet	97	84 - 113	6H21019
Benzene	50.0	47.0		ug/kg wet	94	84 - 113	6H21019
Ethylbenzene	50.0	47.2		ug/kg wet	94	85 - 124	6H21019
Ethylbenzene	50.0	45.0		ug/kg wet	90	85 - 124	6H21019
Naphthalene	50.0	55.1		ug/kg wet	110	90 - 137	6H21019
Naphthalene	50.0	53.8		ug/kg wet	108	90 - 137	6H21019
Toluene	50.0	48.8		ug/kg wet	98	82 - 112	6H21019
Toluene	50.0	49.0		ug/kg wet	98	82 - 112	6H21019
Xylenes, total	150	137		ug/kg wet	91	84 - 127	6H21019
Xylenes, total	150	144		ug/kg wet	96	84 - 127	6H21019
Surrogate: 1,2-Dichloroethane-d4	50.0	51.7		ug/kg wet	103	73 - 137	6H21019
Surrogate: 1,2-Dichloroethane-d4	50.0	50.2		ug/kg wet	100	73 - 137	6H21019
Surrogate: 4-Bromofluorobenzene	50.0	50.7		ug/kg wet	101	59 - 118	6H21019
Surrogate: 4-Bromofluorobenzene	50.0	51.2		ug/kg wet	102	59 - 118	6H21019
Surrogate: Dibromofluoromethane	50.0	51.1		ug/kg wet	102	55 - 145	6H21019
Surrogate: Dibromofluoromethane	50.0	51.4		ug/kg wet	103	55 - 145	6H21019
Surrogate: Toluene-d8	50.0	52.0		ug/kg wet	104	80 - 117	6H21019
Surrogate: Toluene-d8	50.0	51.3		ug/kg wet	103	80 - 117	6H21019
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>							
Acenaphthene	3330	2880		ug/kg wet	86	51 - 124	6H22026
Acenaphthylene	3330	3430		ug/kg wet	103	58 - 124	6H22026
Anthracene	3330	3190		ug/kg wet	96	61 - 122	6H22026
Benzo (a) anthracene	3330	2940		ug/kg wet	88	51 - 139	6H22026
Benzo (b) fluoranthene	3330	2610		ug/kg wet	78	57 - 129	6H22026
Benzo (k) fluoranthene	3330	2860		ug/kg wet	86	53 - 127	6H22026
Benzo (g,h,i) perylene	3330	3560		ug/kg wet	107	34 - 123	6H22026
Benzo (a) pyrene	3330	2840		ug/kg wet	85	65 - 109	6H22026
1-Methylnaphthalene	3330	2700		ug/kg wet	81	18 - 115	6H22026
Chrysene	3330	2960		ug/kg wet	89	55 - 130	6H22026
Dibenz (a,h) anthracene	3330	3630		ug/kg wet	109	48 - 125	6H22026
Fluoranthene	3330	2810		ug/kg wet	84	58 - 129	6H22026
Fluorene	3330	3360		ug/kg wet	101	61 - 128	6H22026
Indeno (1,2,3-cd) pyrene	3330	3740		ug/kg wet	112	44 - 126	6H22026
2-Methylnaphthalene	3330	2940		ug/kg wet	88	20 - 125	6H22026
Naphthalene	3330	2690		ug/kg wet	81	23 - 118	6H22026
Phenanthrene	3330	3140		ug/kg wet	94	61 - 120	6H22026

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

Work Order: OPH0362  
Project: LAUREL BAY  
Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**LCS - Cont.**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>							
Pyrene	3330	3550		ug/kg wet	107	45 - 141	6H22026
Surrogate: 2-Fluorobiphenyl	3330	3450		ug/kg wet	104	24 - 121	6H22026
Surrogate: Nitrobenzene-d5	3330	2870		ug/kg wet	86	19 - 111	6H22026
Surrogate: Terphenyl-d14	3330	3760		ug/kg wet	113	44 - 171	6H22026

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
<b>Volatile Organic Compounds by EPA Method 8260B</b>									
Benzene	<0.183	15.0		ug/kg dry	50.0	30	18 - 126	6H21019	OPH0363-01
Benzene	<0.183	46.0		ug/kg dry	50.0	92	18 - 126	6H21019	OPH0354-01
Ethylbenzene	<0.212	8.45		ug/kg dry	50.0	17	12 - 120	6H21019	OPH0363-01
Ethylbenzene	<0.212	44.7		ug/kg dry	50.0	89	12 - 120	6H21019	OPH0354-01
Naphthalene	<0.276	6.17		ug/kg dry	50.0	12	10 - 125	6H21019	OPH0363-01
Naphthalene	<0.276	37.8		ug/kg dry	50.0	76	10 - 125	6H21019	OPH0354-01
Toluene	<0.432	12.3		ug/kg dry	50.0	25	10 - 130	6H21019	OPH0363-01
Toluene	0.257	46.7		ug/kg dry	50.0	93	10 - 130	6H21019	OPH0354-01
Xylenes, total	<0.260	24.4		ug/kg dry	150	16	10 - 126	6H21019	OPH0363-01
Xylenes, total	<0.260	134		ug/kg dry	150	89	10 - 126	6H21019	OPH0354-01
Surrogate: 1,2-Dichloroethane-d4		51.0		ug/kg dry	50.0	102	73 - 137	6H21019	OPH0354-01
Surrogate: 1,2-Dichloroethane-d4		62.5		ug/kg dry	50.0	125	73 - 137	6H21019	OPH0363-01
Surrogate: 4-Bromofluorobenzene		49.3		ug/kg dry	50.0	99	59 - 118	6H21019	OPH0354-01
Surrogate: 4-Bromofluorobenzene		51.2		ug/kg dry	50.0	102	59 - 118	6H21019	OPH0363-01
Surrogate: Dibromofluoromethane		51.4		ug/kg dry	50.0	103	55 - 145	6H21019	OPH0354-01
Surrogate: Dibromofluoromethane		54.2		ug/kg dry	50.0	108	55 - 145	6H21019	OPH0363-01
Surrogate: Toluene-d8		52.0		ug/kg dry	50.0	104	80 - 117	6H21019	OPH0363-01
Surrogate: Toluene-d8		51.2		ug/kg dry	50.0	102	80 - 117	6H21019	OPH0354-01
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>									
Acenaphthene	<76.6	2170		ug/kg dry	3450	63	40 - 125	6H22026	OPH0362-11
Acenaphthylene	<101	2440		ug/kg dry	3450	71	44 - 125	6H22026	OPH0362-11
Anthracene	<55.1	2340		ug/kg dry	3450	68	53 - 121	6H22026	OPH0362-11
Benzo (a) anthracene	547	2400		ug/kg dry	3450	54	46 - 135	6H22026	OPH0362-11
Benzo (b) fluoranthene	283	2060		ug/kg dry	3450	52	44 - 136	6H22026	OPH0362-11
Benzo (k) fluoranthene	295	2050		ug/kg dry	3450	51	43 - 131	6H22026	OPH0362-11
Benzo (g,h,i) perylene	<17.9	2810		ug/kg dry	3450	81	34 - 123	6H22026	OPH0362-11
Benzo (a) pyrene	238	2120		ug/kg dry	3450	55	51 - 115	6H22026	OPH0362-11
1-Methylnaphthalene	<86.8	2040		ug/kg dry	3450	59	11 - 112	6H22026	OPH0362-11
Chrysene	769	2440		ug/kg dry	3450	48	48 - 126	6H22026	OPH0362-11
Dibenz (a,h) anthracene	<22.7	2740		ug/kg dry	3450	79	38 - 119	6H22026	OPH0362-11
Fluoranthene	1000	2540		ug/kg dry	3450	45	33 - 138	6H22026	OPH0362-11
Fluorene	<67.7	2340		ug/kg dry	3450	68	48 - 128	6H22026	OPH0362-11
Indeno (1,2,3-cd) pyrene	<22.4	2900		ug/kg dry	3450	84	37 - 117	6H22026	OPH0362-11
2-Methylnaphthalene	<73.7	2220		ug/kg dry	3450	64	11 - 122	6H22026	OPH0362-11
Naphthalene	<69.4	2040		ug/kg dry	3450	59	15 - 116	6H22026	OPH0362-11
Phenanthrene	166	2380		ug/kg dry	3450	64	52 - 123	6H22026	OPH0362-11
Pyrene	1310	3150		ug/kg dry	3450	53	31 - 155	6H22026	OPH0362-11
Surrogate: 2-Fluorobiphenyl		2630		ug/kg dry	3450	76	24 - 121	6H22026	OPH0362-11
Surrogate: Nitrobenzene-d5		2120		ug/kg dry	3450	61	19 - 111	6H22026	OPH0362-11

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike - Cont.**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>									
<i>Surrogate: Terphenyl-d14</i>		2960		ug/kg dry	3450	86	44 - 171	6H22026	OPH0362-11

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
Benzene	<0.183	35.4		ug/kg dry	50.0	71	26	30	6H21019	OPH0354-01
Ethylbenzene	<0.212	33.7		ug/kg dry	50.0	67	28	30	6H21019	OPH0354-01
Naphthalene	<0.276	29.5		ug/kg dry	50.0	59	25	30	6H21019	OPH0354-01
Toluene	0.279	36.0		ug/kg dry	50.0	71	26	30	6H21019	OPH0354-01
Xylenes, total	<0.260	103		ug/kg dry	150	69	26	30	6H21019	OPH0354-01
<i>Surrogate: 1,2-Dichloroethane-d4</i>		50.7		ug/kg dry	50.0	101			6H21019	OPH0354-01
<i>Surrogate: 4-Bromofluorobenzene</i>		49.5		ug/kg dry	50.0	99			6H21019	OPH0354-01
<i>Surrogate: Dibromofluoromethane</i>		50.8		ug/kg dry	50.0	102			6H21019	OPH0354-01
<i>Surrogate: Toluene-d8</i>		50.8		ug/kg dry	50.0	102			6H21019	OPH0354-01
<b>Polynuclear Aromatic Hydrocarbons by EPA Method 8270</b>										
Acenaphthene	<76.6	2830		ug/kg dry	3450	82	26	60	6H22026	OPH0362-11
Acenaphthylene	<101	3270		ug/kg dry	3450	95	29	51	6H22026	OPH0362-11
Anthracene	<55.1	3100		ug/kg dry	3450	90	28	60	6H22026	OPH0362-11
Benzo (a) anthracene	547	3160		ug/kg dry	3450	76	27	46	6H22026	OPH0362-11
Benzo (b) fluoranthene	283	2690		ug/kg dry	3450	70	27	60	6H22026	OPH0362-11
Benzo (k) fluoranthene	295	2660		ug/kg dry	3450	69	26	60	6H22026	OPH0362-11
Benzo (g,h,i) perylene	<17.9	3780		ug/kg dry	3450	110	29	38	6H22026	OPH0362-11
Benzo (a) pyrene	238	2740		ug/kg dry	3450	73	26	48	6H22026	OPH0362-11
1-Methylnaphthalene	<86.8	2580		ug/kg dry	3450	75	23	60	6H22026	OPH0362-11
Chrysene	769	3230		ug/kg dry	3450	71	28	36	6H22026	OPH0362-11
Dibenz (a,h) anthracene	<22.7	3700		ug/kg dry	3450	107	30	60	6H22026	OPH0362-11
Fluoranthene	1000	3370		ug/kg dry	3450	69	28	63	6H22026	OPH0362-11
Fluorene	<67.7	3260		ug/kg dry	3450	94	33	49	6H22026	OPH0362-11
Indeno (1,2,3-cd) pyrene	<22.4	3840		ug/kg dry	3450	111	28	60	6H22026	OPH0362-11
2-Methylnaphthalene	<73.7	2810		ug/kg dry	3450	81	23	71	6H22026	OPH0362-11
Naphthalene	<69.4	2570		ug/kg dry	3450	74	23	81	6H22026	OPH0362-11
Phenanthrene	166	3250		ug/kg dry	3450	89	31	60	6H22026	OPH0362-11
Pyrene	1310	4130		ug/kg dry	3450	82	27	90	6H22026	OPH0362-11
<i>Surrogate: 2-Fluorobiphenyl</i>		3300		ug/kg dry	3450	96			6H22026	OPH0362-11
<i>Surrogate: Nitrobenzene-d5</i>		2570		ug/kg dry	3450	74			6H22026	OPH0362-11
<i>Surrogate: Terphenyl-d14</i>		3710		ug/kg dry	3450	108			6H22026	OPH0362-11

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

Work Order: OPH0362  
 Project: LAUREL BAY  
 Project Number: EP 2362

Sampled: 08/14/06-08/16/06  
 Received: 08/18/06

### 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.
- RL2** Reporting limit raised due to high concentrations of hydrocarbons.
- 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: OPH0362

Shipped By: Fed Ex

Tracking Number: 858282354468

Cooler Received On: 08/18/06 09:20

And Opened On (Date/time): 8/18 10:30

Received By: Jessica Batura

Logged in by: Jessica Batura

Were custody seals on the outside of cooler? YES \_\_\_ NO  If Yes # \_\_\_ Location \_\_\_

Were custody seals intact? YES \_\_\_ NO \_\_\_ N/A  (no seals present)

Chain of Custody Complete? YES  NO \_\_\_ If No Discrepancy \_\_\_

Cooler Temperature When Opened: 5.00 Degrees Celsius

Temperature Blank Included: YES \_\_\_ NO

Packing Material: Bubblewrap  NONE \_\_\_ Other: \_\_\_

Received on Ice: YES  NO \_\_\_ Other: \_\_\_ Total # Of Containers: 20 # 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? 48, 14 methanol

Any Air Bubbles in VOA Vials? YES \_\_\_ NO  N/A \_\_\_ (no VOA vials received)

Was there enough sample shipped in each container? YES  NO \_\_\_

Correct Preservatives Used? YES  NO \_\_\_ If No, please explain: \_\_\_

Project Manager: Shali Brown

Corrective Actions Taken  
1468 cardinal @ side - 1 jar had no sample date or time.  
1473 cardinal @ bottom - 1 jar had no sample time.





# Test America

INCORPORATED

DPH 0 342 page 2 of 2

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: [Signature]

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

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) Date Needed: _____ Fax Results: Y N	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								Analyze For	QC Deliverables None <input checked="" type="checkbox"/> Level 2 (Batch QC) Level 3 Level 4 Other: _____	REMARKS			
						HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)							
	1468 Cardinal 01 Bottom	8-16	9:25																
	1468 Cardinal 02 side	8-16	9:25																
	1472 Cardinal 01 Bottom	8-16	1330																
	1472 Cardinal 02 side	8-16	1400																

BTEX + Napthalene  
 PAH - 8270

11  
 12  
 13  
 14

Special Instructions:						LABORATORY COMMENTS: Init Lab Temp: _____ Rec Lab Temp: <u>50</u> Custody Seals: Y N N/A Bottles Supplied by Test America: Y N Method of Shipment: _____					
Relinquished By: <u>[Signature]</u>	Date: <u>8/17</u>	Time: <u>1215</u>	Received By: <u>[Signature]</u>	Date: <u>8/17</u>	Time: <u>1215</u>						
Relinquished By: <u>[Signature]</u>	Date: <u>8/17</u>	Time: <u>1730</u>	Received By: <u>[Signature]</u>	Date: <u>8/18</u>	Time: <u>9:30</u>						
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____						

**Appendix C**  
**Regulatory Correspondence**

BOARD:  
Elizabeth M. Hagood  
Chairman  
Edwin H. Cooper, III  
Vice Chairman  
Steven G. Kisner  
Secretary



C. Earl Hunter, Commissioner

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

BOARD:  
Henry C. Scott  
Paul C. Aughtry, III  
Glenn A. McCall  
Coleman F. Buckhouse, MD

25 October 2007

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

Re: MCAS – Laurel Bay Housing – 143 Laurel Bay Blvd  
**Site ID # 03718**  
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](mailto: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