SUMMARY REPORT 256 FOXGLOVE STREET (FORMERLY 1033 FOXGLOVE STREET) LAUREL BAY MILITARY HOUSING AREA MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SC

> Revision: 0 Prepared for:

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

and



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

JUNE 2021

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Prepared by:



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



1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 256 Foxglove Street (Formerly 1033 Foxglove Street). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

- Background information;
- Sampling activities and results; and
- A determination of the property status.

1.1 Background Information

The LBMH area is located approximately 3.5 miles west of MCAS Beaufort. The area is approximately 970 acres in size and serves as an enlisted and officer family housing area. The area is configured with single family and duplex residential structures, and includes recreation, open space, and community facilities. The community includes approximately 1,300 housing units, including legacy Capehart style homes and newer duplex style homes. The housing area



is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.

Capehart style homes within the LBMH area were formerly heated using heating oil stored in USTs at each residence. There were 1,100 Capehart style housing units in the LBMH area. The newer duplex homes within the LBMH area never utilized heating oil tanks. Heating oil has not been used at Laurel Bay since the mid-1980s. As was the accepted practice at the time, USTs were drained, filled with dirt, capped, and left in place when they were removed from service. Residential USTs are not regulated in the State of South Carolina (i.e., there are no federal or state laws governing installation, management, or removal).

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential heating oil USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with the South Carolina Department of Health and Environmental Control (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, February 2016) and the *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, (SCDHEC, 2018), are as follows:

- benzene, toluene, ethylbenzene, and xylenes (BTEX),
- naphthalene, and
- five select polynuclear aromatic hydrocarbon (PAHs): benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenz(a,h)anthracene.

Soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form. In accordance with SCDHEC's *QAPP for the UST Management*



Division (SCDHEC, February 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, April 2013) and were revised again in Revision 3.0 (SCDHEC, May 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 IGWA sampling process utilizes temporary groundwater sampling points that are typically installed and sampled within the same day. The intent of the sampling point is to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations may require additional delineation of COPCs in groundwater. These sampling points are not subjected to the same installation standards as permanent monitoring wells and, as such; the data obtained from the IGWA wells can sometimes be biased high and is considered preliminary data. In order to confirm the presence of any impact to groundwater, a permanent well is installed where IGWA sampling has indicated the presence of COPCs is in excess of the SCDHEC RBSLs for groundwater. If COPCs are found to be present in the permanent well, additional permanent wells are installed to delineate the extent of impact to groundwater and a sampling program is established. Groundwater analytical results from permanent wells 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 256 Foxglove Street (Formerly 1033 Foxglove Street). The sampling activities at 256 Foxglove Street (Formerly 1033 Foxglove Street) comprised a soil investigation, IGWA sampling and installation and sampling of permanent wells. Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1033 Foxglove Street* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C. Details regarding the



permanent well installations and sampling activities at this site are provided in the *Groundwater Assessment Report – November and December 2015* (Resolution Consultants, 2016). The laboratory report that includes the pertinent groundwater analytical results for this site is presented in Appendix D.

2.1 UST Removal and Soil Sampling

On May 26, 2009, a 280 gallon heating oil UST was removed from the front landscaped bed at 256 Foxglove Street (Formerly 1033 Foxglove Street). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 6'0" bgs, and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location was 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 256 Foxglove Street (Formerly 1033 Foxglove Street) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 19, 2009, SCDHEC requested an IGWA for 256 Foxglove Street (Formerly 1033 Foxglove Street) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix E.



2.3 Initial Groundwater Sampling

On July 24, 2013, a temporary monitoring well was installed at 256 Foxglove Street (Formerly 1033 Foxglove Street), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71.H-I (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015).

2.4 Initial Groundwater Analytical Results

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

The groundwater results collected from 256 Foxglove Street (Formerly 1033 Foxglove Street) were greater than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated further investigation was required. In a letter dated August 6, 2015, SCDHEC requested a permanent well be installed for 256 Foxglove Street (Formerly 1033 Foxglove Street) to confirm the impact to groundwater detected in the temporary well sample. SCDHEC's request letter is provided in Appendix E.

2.5 Permanent Well Groundwater Sampling

In December 2015, four permanent monitoring wells were installed at 256 Foxglove Street (Formerly 1033 Foxglove Street), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). MW01 was installed on December 3, 2015. MW02, MW03 and MW04 were installed on December 2, 2015. In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, MW01 was



placed in the same general location as the former heating oil UST and the IGWA sample location. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). MW02, MW03 and MW04 were placed around the property to delineate the extent of groundwater impact from the former heating oil tank. Further details are provided in the *Groundwater Assessment Report – November and December 2015* (Resolution Consultants, 2016).

The sampling strategy for this phase of the investigation required a one-time sampling event of the permanent monitoring wells. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Field forms are provided in the *Groundwater Assessment Report – November and December 2015* (Resolution Consultants, 2016).

2.6 Permanent Well Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 3. A copy of the laboratory analytical data report is included in Appendix D.

The groundwater results collected from 256 Foxglove Street (Formerly 1033 Foxglove Street) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 3), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater collected from the permanent monitoring wells, SCDHEC made the determination that NFA was required for 256 Foxglove Street (Formerly 1033 Foxglove Street). This NFA determination was obtained in a letter dated July 21, 2016. SCDHEC's NFA letter is provided in Appendix E.



4.0 REFERENCES

- Marine Corps Air Station Beaufort, 2009. South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1033 Foxglove Street, Laurel Bay Military Housing Area, August 2009.
- Resolution Consultants, 2015. Initial Groundwater Investigation Report July 2013 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina, June 2015.
- Resolution Consultants, 2016. Groundwater Assessment Report November and December 2015 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina, June 2016.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2013. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 2.0*, April 2013.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2015. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 3.0*, May 2015.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 3.1*, February 2016.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2017. *R.61-92, Part 280, Underground Storage Tank Control Regulations*, March 2017.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2018. Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service, March 2018.
- South Carolina Department of Health and Environmental Control Bureau of Water, 2016. *R.61-71, Well Standards*, June 2016.

Tables



Table 1 Laboratory Analytical Results - Soil 256 Foxglove Street (1033 Foxglove Street) Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 05/26/09					
Volatile Organic Compounds Analyzec	Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)						
Benzene	0.003	ND					
Ethylbenzene	1.15	6.70					
Naphthalene	0.036	36.7					
Toluene	0.627	ND					
Xylenes, Total	13.01	19.3					
Semivolatile Organic Compounds Ana	lyzed by EPA Method 8270D (mg/kg)						
Benzo(a)anthracene	0.066	3.14					
Benzo(b)fluoranthene	0.066	1.56					
Benzo(k)fluoranthene	0.066	1.04					
Chrysene	0.066	2.61					
Dibenz(a,h)anthracene	0.066	0.236					

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 (SCDHEC, May 2001).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2 Laboratory Analytical Results - Initial Groundwater 256 Foxglove Street (1033 Foxglove Street) Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs ⁽²⁾	Results Sample Collected 07/24/13
Volatile Organic Compounds Analyze	d by EPA Method 8260B	(µg/L)	
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	6.4
Naphthalene	25	29.33	36
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	2.8
Semivolatile Organic Compounds Ana	alyzed by EPA Method 8	270D (µg/L)	
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 2.0 (SCDHEC, April 2013).

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

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - not applicable

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Table 3 Laboratory Analytical Results - Permanent Well Groundwater 256 Foxglove Street (1033 Foxglove Street) Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

Constituent	(1)	Site-Specific	Results Samples Collected 12/15/15 and 12/16/15			
Constituent	SCDHEC RBSLs (**	VISLs ⁽²⁾	MW01 12/16/15	MW02 12/16/15	MW03 12/16/15	MW04 12/15/15
Volatile Organic Compounds Analyzed	by EPA Method 8260B	(µg/L)		•		
Benzene	5	16.24	ND	ND	ND	ND
Ethylbenzene	700	45.95	ND	ND	ND	ND
Naphthalene	25	29.33	1.1	ND	0.30	0.71
Toluene	1000	105,445	ND	ND	ND	ND
Xylenes, Total	10,000	2,133	ND	ND	ND	ND
Semivolatile Organic Compounds Ana	lyzed by EPA Method 82	70D (µg/L)				
Benzo(a)anthracene	10	NA	ND	ND	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND	ND	ND
Chrysene	10	NA	ND	ND	ND	ND
Dibenz(a,h)anthracene	10	NA	ND	ND	ND	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 (SCDHEC, May 2015).

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

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - not applicable

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A Multi-Media Selection Process for LBMH





Appendix A - Multi-Media Selection Process for LBMH

Appendix B UST Assessment Report



Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank (UST) Assessment Report

Date Received State Use	04255	Submit Completed Forr UST Program SCDHEC 2600 Bull Street Columbia, South Caroli Telephone (803) 896-	n To: Teceived AUG 1 7 2009
	I. OWNERSHIP	OF UST (S)	SITE ASSESSMENT, REMEDIATION & REVITALIZATION
MCAS Beaufort, Comman Owner Name (Corporation, Ind P.O. Box 55001	nding Officer Attn: NF ividual, Public Agency, Other)	REAO (Craig Ehde)	
Mailing Address Beaufort ,	South Carolina	29904-5001	
City 843	State 228-7317	Zip Code Craig	Ehde
Area Code	Telephone Number	Contact P	erson

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. # Laurel Bay Militar Facility Name or Company S	- / Housing Area, Marine Cor ite Identifier	ps Air Station, Beaufort, SC
1033 Foxglove St.	Laurel Bay Military Hous:	ing Area
Street Address or State Road	(as applicable)	a second a second a second device a second device a second
Beaufort,	Beaufort	
City	County	

Attachment 2

Ĩ

Insurance Statement

The petroleum release reported to DHEC on _______ at Permit ID Number ______ may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. This section must be completed.

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES____ NO____** (check one)

If you answered **YES** to the above question, please complete the following information:

My policy provider is: ______ The policy deductible is: ______ The policy limit is:

If you have this type of insurance, please include a copy of the policy with this report.

IV. REQUEST FOR SUPERB FUNDING

I DO / DO NOT wish to participate in the SUPERB Program. (Circle one.)

V. CERTIFICATION (To be signed by the UST owner)

I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

Notary Public for the state of ______. Please affix State seal if you are commissioned outside South Carolina

VI. UST INFORMATION

		1033Foxglove
A.	Product(ex. Gas, Kerosene)	Heating Oil
В.	Capacity(ex. 1k, 2k)	280 gal
C.	Age	Late 1950s
D.	Construction Material(ex. Steel, FRP)	Steel
E.	Month/Year of Last Use	Mid 1980s
F.	Depth (ft.) To Base of Tank	6 '
G.	Spill Prevention Equipment Y/N	No
H.	Overfill Prevention Equipment Y/N	No
I.	Method of Closure Removed/Filled	Removed
J.	Date Tanks Removed/Filled	5/26/09
K.	Visible Corrosion or Pitting Y/N	Yes
L.	Visible Holes Y/N	Yes

M. Method of disposal for any USTs removed from the ground (attach disposal manifests) UST 1033Foxglove was removed from the ground and disposed of at a Subtitle "D" landfill. See Attachment "A."

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

UST 1033Foxglove had been previously filled with sand by others.

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

		1033Foxglove
		Steel &
A.	Construction Material(ex. Steel, FRP)	Copper
B.	Distance from UST to Dispenser	N/A
C.	Number of Dispensers	N/A
D.	Type of System Pressure or Suction	Suction
E.	Was Piping Removed from the Ground? Y/N	Yes
F.	Visible Corrosion or Pitting Y/N	Yes
G.	Visible Holes Y/N	No
H.	Age	Late 1950s
I.	If any corrosion, pitting, or holes were observed, de	escribe the location and extent for each piping run.

VII. PIPING INFORMATION

. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run. Corrosion and pitting were found on the surface of the steel vent pipe. The copper supply and return lines were sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 96012001

Β.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1033 Foxglove	Excav at fill end	Soil	Sandy	6'	5/26/09 1030 hrs	P. Shaw	
							·
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18		1.					
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect <u>and</u> store the samples. Also include the preservative used for each sample. Please use the space provided below.

Sampling was performed in accordance with SC DHEC R.61-92 Part 280 and SC DHEC Assessment Guidelines. Sample containers were prepared by the testing laboratory. The grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Soil samples were extracted from area below tank. The samples were marked, logged, and immediately placed in a sample cooler packed with ice to maintain an approximate temperature of 4 degrees Centigrade. Tools were thoroughly cleaned and decontaminated with the seven step decon process after each use. The samples remained in custody of SBG-EEG, Inc. until they were transferred to Test America Incorporated for analysis as documented in the Chain of Custody Record.

XII. RECEPTORS

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

XIII. SITE MAP

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

(Attach Site Map Here)









Picture 1: UST 1033Foxglove was located beneath the shovels.



Picture 2: UST 1033Foxglove during removal from the excavation.

1033foxglove_pix.docx

XIV. SUMMARY OF ANALYSIS RESULTS

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

CoC UST	1033 Foxglove
Benzene	ND
Toluene	ND
Ethylbenzene	6.70 mg/kg
Xylenes	19.3 mg/kg
Naphthalene	36.7 mg/kg
Benzo (a) anthracene	3.14 mg/kg
Benzo (b) fluoranthene	1.56 mg/kg
Benzo (k) fluoranthene	1.04 mg/kg
Chrysene	2.61 mg/kg
Dibenz (a, h) anthracene	0.236 mg/kg
ТРН (ЕРА 3550)	
CoC	
Benzene	
Toluene	
Ethylbenzene	
Xylenes	
Naphthalene	
Benzo (a) anthracene	
Benzo (b) fluoranthene	
Benzo (k) fluoranthene	
Chrysene	
Dibenz (a, h) anthracene	
ТРН (ЕРА 3550)	

SUMMARY OF ANALYSIS RESULTS (cont'd) Enter the ground water analytical data for each sample for all CoC in the table below. If free product is present, indicate the measured thickness to the nearest 0.01 feet.

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

XV. ANALYTICAL RESULTS

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

(Attach Certified Analytical Results and Chain-of-Custody Here) (Please see Form #4) THE LEADER IN ENVIRONMENTAL TESTING

NSE2473

June 16, 2009

Client: EEG - Small Business Group, Inc. (2449) 10179 Highway 78 Ladson, SC 29456 Tom McElwee Attn:

11:01:55AM

SAMPLE IDENTIFICATION

1033 Foxglove 1032 Foxglove 1040 Iris 1041 Gardenia 1042 Gardenia 1047 Gardenia

Date Received:

Work Order:

Project Name:

Project Nbr:

P/O Nbr:

Laurel Bay Housing Project [none] 08087 05/29/09

LAB NUMBER	COLLECTION DATE AND TIME
NSE2473-01	05/26/09 10:30
NSE2473-02	05/26/09 16:30
NSE2473-03	05/27/09 10:40
NSE2473-04	05/27/09 14:15
NSE2473-05	05/28/09 09:30
NSE2473-06	05/28/09 13:30

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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

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

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

All solids results are reported in wet weight unless specifically stated. Estimated uncertainty is available upon request. This report has been electronically signed. Report Approved By:

Kind they

Ken A. Hayes Senior Project Manager

<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78

Ladson, SC 29456

Attn Tom McElwee

Work Order:	NSE2473
Project Name:	Laurel Bay Housing Project
Project Number:	[none]
Received:	05/29/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE2473-01 (1033 Fox	glove - Soil) S	ampled:	05/26/09 10:30					
General Chemistry Parameters		-						
% Dry Solids	81.8		%	0.500	1	06/10/09 09:06	SW-846	9061067
Selected Volatile Organic Compounds I	by EPA Method	8260B						
Benzene	ND	RL1	mg/kg dry	0.101	50	06/03/09 17:54	SW846 8260B	9060692
Ethylbenzene	6.70		mg/kg dry	0.101	50	06/03/09 17:54	SW846 8260B	9060692
Naphthalene	36.7		mg/kg dry	5.06	1000	06/03/09 18:57	SW846 8260B	9060692
Toluene	ND	RL1	mg/kg dry	0.101	50	06/03/09 17:54	SW846 8260B	9060692
Xylenes, total	19.3		mg/kg dry	0.253	50	06/03/09 17:54	SW846 8260B	9060692
Surr: 1,2-Dichloroethane-d4 (41-150%)	98 %					06/03/09 17:54	SW846 8260B	9060692
Surr: 1,2-Dichloroethane-d4 (41-150%)	100 %					06/03/09 18:57	SW846 8260B	9060692
Surr: Dibromofluoromethane (75-125%)	98 %					06/03/09 17:54	SW846 8260B	9060692
Surr: Dibromofluoromethane (75-125%)	97 %					06/03/09 18:57	SW846 8260B	9060692
Surr: Toluene-d8 (76-129%)	95 %					06/03/09 17:54	SW846 8260B	9060692
Surr: Toluene-d8 (76-129%)	86 %					06/03/09 18:57	SW846 8260B	9060692
Surr: 4-Bromofluorobenzene (67-147%)	116 %					06/03/09 17:54	SW846 8260B	9060692
Surr: 4-Bromofluorobenzene (67-147%)	103 %					06/03/09 18:57	SW846 8260B	9060692
Polyaromatic Hydrocarbons by EPA 82	70D							
Acenaphthene	1.44		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Acenaphthylene	ND		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Anthracene	3.16		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Benzo (a) anthracene	3.14		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Benzo (a) pyrene	1.15		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Benzo (b) fluoranthene	1.56		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Benzo (g,h,i) perylene	0.353		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Benzo (k) fluoranthene	1.04		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Chrysene	2.61		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Dibenz (a,h) anthracene	0.236		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Fluoranthene	22.1		mg/kg dry	0.813	10	06/03/09 17:37	SW846 8270D	9054554
Fluorene	ND		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Indeno (1,2,3-cd) pyrene	0.397		mg/kg dry	0.0813	1	06/03/09 14:54	SW846 8270D	9054554
Naphthalene	13.3		mg/kg dry	0.813	10	06/03/09 17:37	SW846 8270D	9054554
Phenanthrene	30.0		mg/kg drv	0.813	10	06/03/09 17:37	SW846 8270D	9054554
Pyrene	15.7		mg/kg drv	0.813	10	06/03/09 17:37	SW846 8270D	9054554
1-Methylnaphthalene	33.7		mg/kg dry	0.813	10	06/03/09 17:37	SW846 8270D	9054554
2-Methylnaphthalene	47.7		mg/kg drv	4.07	50	06/05/09 13:44	SW846 8270D	9054554
Surr: Terphenyl-d14 (18-120%)	64 %			,	••	06/03/09 14.54	SW846 8270D	9054554
Surr: 2-Fluorobiphenyl (14-120%)	62 %					06/03/09 14:54	SW846 8270D	9054554
Surr: Nitrobenzene-d5 (17-120%)	20 %					06/03/09 14:54	SW846 8270D	9054554
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

		ANALYTICAL REP	ORT				
Analyte	Result	Flag Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE2473-02 (1032 For	xglove - Soil) Sa	mpled: 05/26/09 16:30					
General Chemistry Parameters							
% Dry Solids	82.4	%	0.500	1	06/10/09 09:06	SW-846	9061067
Selected Volatile Organic Compounds	by EPA Method	8260B					
Benzene	ND	mg/kg dry	0.00229	1	06/02/09 17:16	SW846 8260B	9060479
Ethylbenzene	ND	mg/kg dry	0.00229	1	06/02/09 17:16	SW846 8260B	9060479
Naphthalene	0.0545	mg/kg dry	0.00540	1	06/03/09 14:50	SW846 8260B	9060692
Toluene	ND	mg/kg dry	0.00229	1	06/02/09 17:16	SW846 8260B	9060479
Xylenes, total	ND	mg/kg dry	0.00572	1	06/02/09 17:16	SW846 8260B	9060479
Surr: 1,2-Dichloroethane-d4 (41-150%)	56 %				06/02/09 17:16	SW846 8260B	9060479
Surr: 1,2-Dichloroethane-d4 (41-150%)	67 %				06/03/09 14:50	SW846 8260B	9060692
Surr: Dibromofluoromethane (75-125%)	95 %				06/02/09 17:16	SW846 8260B	9060479
Surr: Dibromofluoromethane (75-125%)	95 %				06/03/09 14:50	SW846 8260B	9060692
Surr: Toluene-d8 (76-129%)	82 %				06/02/09 17:16	SW846 8260B	9060479
Surr: Toluene-d8 (76-129%)	102 %				06/03/09 14:50	SW846 8260B	9060692
Surr: 4-Bromofluorobenzene (58-150%)	104 %				06/02/09 17:16	SW846 8260B	9060479
Surr: 4-Bromofluorobenzene (67-147%)	172 %	ZX			06/03/09 14:50	SW846 8260B	9060692
Polyaromatic Hydrocarbons by EPA 8	270D						
Acenaphthene	ND	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Acenaphthylene	ND	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Anthracene	ND	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Benzo (a) anthracene	0.617	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Benzo (a) pyrene	0.336	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Benzo (b) fluoranthene	0.525	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Benzo (g,h,i) pervlene	0.151	mg/kg drv	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Benzo (k) fluoranthene	0.308	mg/kg drv	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Chrysene	0.630	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Dibenz (a h) anthracene	0.0820	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Fluoranthene	1 48	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Fluorene	ND	mg/kg day	0.0808	1	06/03/09 15:17	SW846 8270D	0054554
Indeno (1.2.3 cd) pyrene	A 149	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	0054554
Nanhthalana	0.149 ND	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	0054554
Dependence	ND	mg/kg dry	0.0808	1	06/03/09 15:17	SW046 0270D	9054554
Prienanuirene	ND	mg/kg dry	0.0808	1	06/03/09 15:17	SW840 8270D	9054554
Pyrene	1.35	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
I-Meinylnaphthalene	ND	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
2-Methylnaphthalene	0.0917	mg/kg dry	0.0808	1	06/03/09 15:17	SW846 8270D	9054554
Surr: Terphenyl-d14 (18-120%)	51 %				06/03/09 15:17	SW846 8270D	9054554
Surr: 2-Fluorobiphenyl (14-120%)	47 %				06/03/09 15:17	SW846 8270D	9054554
Surr: Nitrobenzene-d5 (17-120%)	56 %				06/03/09 15:17	SW846 8270D	9054554

THE LEADER IN ENVIRONMENTAL TESTING

Surr: Nitrobenzene-d5 (17-120%)

50 %

TestAmerica

10179 Highway 78 Project Name: Laurel Bay Housing Project Ladson, SC 29456 Project Number: [none]	
Ladson, SC 29456 Project Number: [none]	
AttnTom McElweeReceived:05/29/09 08:00	

<u></u>								
Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE2473-03 (1040 Iris	- Soil) Sample	d: 05/27/	09 10:40					
General Chemistry Parameters	· •							
% Dry Solids	96.4		%	0.500	1	06/10/09 09:06	SW-846	9061067
Selected Volatile Organic Compounds	by EPA Method	8260B						
Benzene	ND		mg/kg dry	0.00223	1	06/02/09 17:46	SW846 8260B	9060479
Ethylbenzene	ND		mg/kg dry	0.00223	1	06/02/09 17:46	SW846 8260B	9060479
Naphthalene	ND		mg/kg dry	0.00558	1	06/02/09 17:46	SW846 8260B	9060479
Toluene	ND		mg/kg dry	0.00223	1	06/02/09 17:46	SW846 8260B	9060479
Xylenes, total	ND		mg/kg dry	0.00558	1	06/02/09 17:46	SW846 8260B	9060479
Surr: 1,2-Dichloroethane-d4 (41-150%)	63 %		000			06/02/09 17:46	SW846 8260B	9060479
Surr: Dibromofluoromethane (75-125%)	95 %					06/02/09 17:46	SW846 8260B	9060479
Surr: Toluene-d8 (76-129%)	82 %					06/02/09 17:46	SW846 8260B	9060479
Surr: 4-Bromofluorobenzene (58-150%)	106 %					06/02/09 17:46	SW846 8260B	9060479
Polyaromatic Hydrocarbons by EPA 82	270D							
Acenaphthene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Acenaphthylene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Anthracene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Benzo (a) anthracene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Benzo (a) pyrene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Benzo (b) fluoranthene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Benzo (k) fluoranthene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Chrysene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Fluoranthene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Fluorene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Naphthalene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Phenanthrene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Pyrene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
1-Methylnaphthalene	ND		mg/kg dry	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
2-Methylnaphthalene	ND		mg/kg drv	0.0694	1	06/03/09 15:41	SW846 8270D	9054554
Surr: Terphenyl-d14 (18-120%)	46 %					06/03/09 15:41	SW846 8270D	9054554
Surr: 2-Fluorobiphenyl (14-120%)	42 %					06/03/09 15:41	SW846 8270D	9054554

SW846 8270D

9054554

06/03/09 15:41

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

			ANALYTICAL REP	ORT				
Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE2473-04 (1041 Ga	rdenia - Soil) S	ampled:	05/27/09 14:15					
General Chemistry Parameters	-	•						
% Dry Solids	92.0		%	0.500	1	06/10/09 09:06	SW-846	9061067
Selected Volatile Organic Compounds	by EPA Method	8260B						
Benzene	ND		mg/kg dry	0.00232	1	06/02/09 18:16	SW846 8260B	9060479
Ethylbenzene	ND		mg/kg dry	0.00232	1	06/02/09 18:16	SW846 8260B	9060479
Naphthalene	ND		mg/kg dry	0.00579	1	06/02/09 18:16	SW846 8260B	9060479
Toluene	ND		mg/kg dry	0.00232	1	06/02/09 18:16	SW846 8260B	9060479
Xylenes, total	ND		mg/kg dry	0.00579	1	06/02/09 18:16	SW846 8260B	9060479
Surr: 1,2-Dichloroethane-d4 (41-150%)	76 %					06/02/09 18:16	SW846 8260B	9060479
Surr: Dibromofluoromethane (75-125%)	96 %					06/02/09 18:16	SW846 8260B	9060479
Surr: Toluene-d8 (76-129%)	84 %					06/02/09 18:16	SW846 8260B	9060479
Surr: 4-Bromofluorobenzene (58-150%)	106 %					06/02/09 18:16	SW846 8260B	9060479
Polyaromatic Hydrocarbons by EPA 82	270D							
Acenaphthene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Acenaphthylene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Anthracene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Benzo (a) anthracene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Benzo (a) pyrene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Benzo (b) fluoranthene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Benzo (k) fluoranthene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Chrysene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Fluoranthene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Fluorene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Naphthalene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Phenanthrene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Pyrene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
1-Methylnaphthalene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
2-Methylnaphthalene	ND		mg/kg dry	0.0728	1	06/03/09 16:04	SW846 8270D	9054554
Surr: Terphenyl-d14 (18-120%)	48 %					06/03/09 16:04	SW846 8270D	9054554
Surr: 2-Fluorobiphenyl (14-120%)	41 %					06/03/09 16:04	SW846 8270D	9054554
Surr: Nitrobenzene-d5 (17-120%)	44 %					06/03/09 16:04	SW846 8270D	9054554

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449) 10179 Highway 78	Work Order: Project Name:	NSE2473 Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

		I	ANALYTICAL REF	PORT				
			· · · · · · ·		Dilution	Analysis		
Analyte	Result	Flag	Units	MRL	Factor	Date/Time	Method	Batch
Sample ID: NSE2473-05 (1042 Gar	denia - Soil) S	ampled:	05/28/09 09:30					
General Chemistry Parameters	· · · ·	•						
% Dry Solids	93.0		%	0.500	1	06/10/09 09:06	SW-846	9061067
Selected Volatile Organic Compounds	by EPA Method	8260B						
Benzene	ND		mg/kg dry	0.00205	1	06/02/09 18:46	SW846 8260B	9060479
Ethylbenzene	ND		mg/kg dry	0.00205	1	06/02/09 18:46	SW846 8260B	9060479
Naphthalene	ND		mg/kg dry	0.00513	1	06/02/09 18:46	SW846 8260B	9060479
Toluene	ND		mg/kg dry	0.00205	1	06/02/09 18:46	SW846 8260B	9060479
Xylenes, total	ND		mg/kg dry	0.00513	1	06/02/09 18:46	SW846 8260B	9060479
Surr: 1,2-Dichloroethane-d4 (41-150%)	70 %		001			06/02/09 18:46	SW846 8260B	9060479
Surr: Dibromofluoromethane (75-125%)	93 %					06/02/09 18:46	SW846 8260B	9060479
Surr: Toluene-d8 (76-129%)	83 %					06/02/09 18:46	SW846 8260B	9060479
Surr: 4-Bromofluorobenzene (58-150%)	107 %					06/02/09 18:46	SW846 8260B	9060479
Polyaromatic Hydrocarbons by EPA 82	270D							
Acenaphthene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Acenaphthylene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Anthracene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Benzo (a) anthracene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Benzo (a) pyrene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Benzo (b) fluoranthene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Benzo (k) fluoranthene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Chrysene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Fluoranthene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Fluorene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Naphthalene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Phenanthrene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Pyrene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
1-Methylnaphthalene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
2-Methylnaphthalene	ND		mg/kg dry	0.0718	1	06/03/09 16:27	SW846 8270D	9054554
Surr: Terphenyl-d14 (18-120%)	56 %					06/03/09 16:27	SW846 8270D	9054554
Surr: 2-Fluorobiphenyl (14-120%)	49 %					06/03/09 16:27	SW846 8270D	9054554
Surr: Nitrobenzene-d5 (17-120%)	55 %					06/03/09 16:27	SW846 8270D	9054554

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

EEG - Small Business Group, Inc. (2449) NSE2473 Client Work Order: 10179 Highway 78 Laurel Bay Housing Project Project Name: Ladson, SC 29456 Project Number: [none] Attn Tom McElwee 05/29/09 08:00 Received:

ANALYTICAL REPORT								
Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE2473-06 (1047 Ga	rdenia - Soil) S	ampled:	05/28/09 13:30					
General Chemistry Parameters		-						
% Dry Solids	97.2		%	0.500	1	06/10/09 09:06	SW-846	9061067
Selected Volatile Organic Compounds	by EPA Method	8260B						
Benzene	ND		mg/kg dry	0.00225	1	06/02/09 19:15	SW846 8260B	9060479
Ethylbenzene	ND		mg/kg dry	0.00225	1	06/02/09 19:15	SW846 8260B	9060479
Naphthalene	ND		mg/kg dry	0.00563	1	06/02/09 19:15	SW846 8260B	9060479
Toluene	ND		mg/kg dry	0.00225	1	06/02/09 19:15	SW846 8260B	9060479
Xylenes, total	ND		mg/kg dry	0.00563	1	06/02/09 19:15	SW846 8260B	9060479
Surr: 1,2-Dichloroethane-d4 (41-150%)	89 %					06/02/09 19:15	SW846 8260B	9060479
Surr: Dibromofluoromethane (75-125%)	9 8 %					06/02/09 19:15	SW846 8260B	9060479
Surr: Toluene-d8 (76-129%)	88 %					06/02/09 19:15	SW846 8260B	9060479
Surr: 4-Bromofluorobenzene (58-150%)	127 %					06/02/09 19:15	SW846 8260B	9060479
Polyaromatic Hydrocarbons by EPA 82	270D							
Acenaphthene	ND		mg/kg dry	0.0685	I	06/03/09 16:51	SW846 8270D	9054554
Acenaphthylenc	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Anthracene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Benzo (a) anthracene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Benzo (a) pyrene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Benzo (b) fluoranthene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Benzo (k) fluoranthene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Chrysene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Fluoranthene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Fluorene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Naphthalene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Phenanthrene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Pyrene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
1-Methylnaphthalene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
2-Methylnaphthalene	ND		mg/kg dry	0.0685	1	06/03/09 16:51	SW846 8270D	9054554
Surr: Terphenyl-d14 (18-120%)	45 %					06/03/09 16:51	SW846 8270D	9054554
Surr: 2-Fluorobiphenyl (14-120%)	43 %					06/03/09 16:51	SW846 8270D	9054554
Surr: Nitrobenzene-d5 (17-120%)	49 %					06/03/09 16:51	SW846 8270D	9054554

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

SAMPLE EXTRACTION DATA

			Wt/Vol				Extraction
Parameter	Batch	Lab Number	Extracted	Extracted Vol	Date	Analyst	Method
Polyaromatic Hydrocarbons by	y EPA 8270D						
SW846 8270D	9054554	NSE2473-01	30.21	1.00	06/01/09 13:05	CDJ	EPA 3550B
SW846 8270D	9054554	NSE2473-01RE1	30.21	1.00	06/01/09 13:05	CDJ	EPA 3550B
SW846 8270D	9054554	NSE2473-01RE2	30.21	1.00	06/01/09 13:05	CDJ	EPA 3550B
SW846 8270D	9054554	NSE2473-02	30.18	1.00	06/01/09 13:05	CDJ	EPA 3550B
SW846 8270D	9054554	NSE2473-03	30.05	1.00	06/01/09 13:05	CDJ	EPA 3550B
SW846 8270D	9054554	NSE2473-04	30.02	1.00	06/01/09 13:05	CDJ	EPA 3550B
SW846 8270D	9054554	NSE2473-05	30.11	1.00	06/01/09 13:05	CDJ	EPA 3550B
SW846 8270D	9054554	NSE2473-06	30.20	1.00	06/01/09 13:05	CDJ	EPA 3550B
Selected Volatile Organic Con	npounds by EPA Method	8260B					
SW846 8260B	9060479	NSE2473-01	5.98	5.00	05/26/09 10:30	JRL	EPA 5035
SW846 8260B	9060692	NSE2473-01RE1	6.04	5.00	05/26/09 10:30	JRL	EPA 5035
SW846 8260B	9060692	NSE2473-01RE2	6.04	5.00	05/26/09 10:30	JRL	EPA 5035
SW846 8260B	9060479	NSE2473-02	5.30	5.00	05/26/09 16:30	JRL	EPA 5035
SW846 8260B	9060692	NSE2473-02RE1	5.62	5.00	05/26/09 16:30	JRL	EPA 5035
SW846 8260B	9060479	NSE2473-03	4.65	5.00	05/27/09 10:40	JRL	EPA 5035
SW846 8260B	9060479	NSE2473-04	4.69	5.00	05/27/09 14:15	JRL	EPA 5035
SW846 8260B	9060479	NSE2473-05	5.24	5.00	05/28/09 09:30	JRL	EPA 5035
SW846 8260B	9060479	NSE2473-06	4.57	5.00	05/28/09 13:30	JRL	EPA 5035

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
Attn	Ladson, SC 29456	Project Number:	[none]
	Tom McElwee	Received:	05/29/09 08:00
		PROJECT QUALITY CONTROL DAT Blank	Ϋ́Α

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compo	ounds by EPA Method	8260B				
9060479-BLK1	•					
Benzene	<0.000670		mg/kg wet	9060479	9060479-BLK1	06/02/09 15:47
Ethylbenzene	<0.000670		mg/kg wet	9060479	9060479-BLK1	06/02/09 15:47
Naphthalene	< 0.00170		mg/kg wet	9060479	9060479-BLK1	06/02/09 15:47
Toluene	< 0.000400		mg/kg wet	9060479	9060479-BLK1	06/02/09 15:47
Xylenes, total	< 0.00130		mg/kg wet	9060479	9060479-BLK1	06/02/09 15:47
Surrogate: 1,2-Dichloroethane-d4	81%			9060479	9060479-BLK1	06/02/09 15:47
Surrogate: Dibromofluoromethane	98%			9060479	9060479-BLK1	06/02/09 15:47
Surrogate: Toluene-d8	90%			9060479	9060479-BLK1	06/02/09 15:47
Surrogate: 4-Bromofluorobenzene	103%			9060479	9060479-BLK1	06/02/09 15:47
9060692-BLK1						
Benzene	<0.000670		mg/kg wet	9060692	9060692-BLK1	06/03/09 14:21
Ethylbenzene	<0.000670		mg/kg wet	9060692	9060692-BLK1	06/03/09 14:21
Naphthalene	< 0.00170		mg/kg wet	9060692	9060692-BLK1	06/03/09 14:21
Toluene	< 0.000400		mg/kg wet	9060692	9060692-BLK1	06/03/09 14:21
Xylenes, total	< 0.00130		mg/kg wet	9060692	9060692-BLK1	06/03/09 14:21
Surrogate: 1,2-Dichloroethane-d4	63%			9060692	9060692-BLK1	06/03/09 14:21
Surrogate: Dibromofluoromethane	93%			9060692	9060692-BLK1	06/03/09 14:21
Surrogate: Toluene-d8	87%			9060692	9060692-BLK1	06/03/09 14:21
Surrogate: 4-Bromofluorobenzene	102%			9060692	9060692-BLK1	06/03/09 14:21
Polyaromatic Hydrocarbons by I	EPA 8270D					
9054554-BLK1						
Acenaphthene	< 0.0320		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Acenaphthylene	< 0.0310		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Anthracene	< 0.0330		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Benzo (a) anthracene	< 0.0380		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Benzo (a) pyrene	< 0.0300		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Benzo (b) fluoranthene	< 0.0300		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Benzo (g,h,i) perylene	< 0.0300		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Benzo (k) fluoranthene	< 0.0300		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Chrysene	< 0.0400		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Dibenz (a,h) anthracene	< 0.0310		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Fluoranthene	< 0.0340		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Fluorene	< 0.0360		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Indeno (1,2,3-cd) pyrene	< 0.0310		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Naphthalene	<0.0410		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Phenanthrene	<0.0340		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
Pyrene	<0.0410		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
1-Methylnaphthalene	<0.0320		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22
2-Methylnaphthalene	< 0.0330		mg/kg wet	9054554	9054554-BLK1	06/03/09 13:22

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client EEG - Small Business Group, Inc. (2449) 10179 Highway 78 Ladson, SC 29456 Attn Tom McElwee Work Order:NSE2473Project Name:Laurel Bay Housing ProjectProject Number:[none]Received:05/29/09 08:00

PROJECT QUALITY CONTROL DATA Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by	y EPA 8270D					
9054554-BLK1						
Surrogate: Terphenyl-d14	77%			9054554	9054554-BLK1	06/03/09 13:22
Surrogate: 2-Fluorobiphenyl	51%			9054554	9054554-BLK1	06/03/09 13:22
Surrogate: Nitrobenzene-d5	57%			9054554	9054554-BLK1	06/03/09 13:22

TestAmerica

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

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

Attn Tom McElwee

Work Order:	NSE2473
Project Name:	Laurel Bay Housing Project
Project Number:	[none]
Received:	05/29/09 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9061067-DUP1 % Dry Solids	81.5	81.8		%	0.4	20	9061067	NSE2457-16		06/10/09 09:06

THE LEADER IN ENVIRONMENTAL TESTING

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

PROJECT QUALITY CONTROL DATA

LCS

Selected Volatile Organic Compounds by EPA Method 8260B Bername 900/179 901/200 14.00 Bername 50.0 49.00 99.00 10.00 00.00 10.00 00.00 10.00 00.00 10.00 00.00 10.00 00.00 <th col<="" th=""><th>Analyte</th><th>Known Val.</th><th>Analyzed Val</th><th>Q</th><th>Units</th><th>% Rec.</th><th>Target Range</th><th>Batch</th><th>Analyzed Date/Time</th></th>	<th>Analyte</th> <th>Known Val.</th> <th>Analyzed Val</th> <th>Q</th> <th>Units</th> <th>% Rec.</th> <th>Target Range</th> <th>Batch</th> <th>Analyzed Date/Time</th>	Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
906079-B31UUU	Selected Volatile Organic Compound	nds by EPA Method 82	:60B							
Banxne 50.0 49.2 nghg 99.6 78.126 990.4079 08.00179	9060479-BS1									
EndyBenzene 9.0 53.4 ugkg 974 97-130 960479 060209 14.0 Naphthalcane 50.0 4.8.3 ugkg 974 72-150 960479 061209 14.0 Xylene, total 150 156 ugkg 974 72-152 960479 061209 14.0 Surragie: 2.5 Delinoverbane-off 50.0 43.3 974 73-125 960479 061209 14.0 Surragie: Delinomflanomethane 50.0 43.3 974 73-125 960479 061209 14.0 Surragie: Delinomflanomethane 50.0 43.1 ugkg 974 73-125 960479 061209 14.0 Surragie: Delinomflanomethane 50.0 43.1 ugkg 108* 73-130 060692 061309 12.1 Debibers So.0 43.1 ugkg 974* 73-130 060692 061309 12.1 Surragie: Delinomflanomethane 50.0 42.1 ugkg 974* 97.130 060692 061309 12.1 <tr< td=""><td>Benzene</td><td>50.0</td><td>49.2</td><td></td><td>ug/kg</td><td>98%</td><td>78 - 126</td><td>9060479</td><td>06/02/09 14:06</td></tr<>	Benzene	50.0	49.2		ug/kg	98%	78 - 126	9060479	06/02/09 14:06	
Naphtalene 50.0 44.8.5 ug/kg 9%.7 7.1.90 900.479 000.209 14.05 Tolenee 50.0 44.8.5 ug/kg 10% 7.6.126 900.479 000.209 14.05 Surrague: Diableneedhaneedd 50.0 30.2 0.6% 4.1.51 900.479 000.209 14.05 Surrague: Toleneedd 50.0 44.7 0.9% 7.6.128 900.479 000.209 14.05 Surrague: Toleneedd 50.0 44.7 0.9% 7.6.128 900.479 0.002.09 14.05 Surrague: Toleneedd 50.0 48.1 ug/kg 0.9% 7.8.128 000.092.0 14.05 Surrague: Toleneed 50.0 48.1 ug/kg 0.9% 7.8.128 0.000.02 0.003.09 12.12 Surrague: Toleneed 50.0 42.4 ug/kg 9.9% 7.128 0.00692 0.003.09 12.12 Surrague: Toleneedde 50.0 42.4 ug/kg 9.9% 7.128 0.003.09 12.12 </td <td>Ethylbenzene</td> <td>50.0</td> <td>53.4</td> <td></td> <td>ug/kg</td> <td>107%</td> <td>79 - 130</td> <td>9060479</td> <td>06/02/09 14:06</td>	Ethylbenzene	50.0	53.4		ug/kg	107%	79 - 130	9060479	06/02/09 14:06	
Tolmen 50.0 44.8 upkg 90% 7.6 20 00.007 0.002.09 1.60 Xylenes, totd 150 150 upkg 104' 8.0 130 0602.09 1.60 Surregue: : Distomphoremethene 50.0 48.3 075' 7.5 125 9060479 0602.09 1.60 Surregue: : Distomphoremethene 50.0 48.3 076' 7.5 125 9060479 0602.09 1.60 Surregue: : Distomphoremethene 50.0 48.1 upkg 976', 7.7 7.12 906042 0603.09 12.22 Borne 50.0 48.1 upkg 076', 7.7 7.12 906042 0603.09 12.22 Inhythiane 50.0 48.1 upkg 074', 7.7 7.13 906042 0603.09 12.22 Tolme 50.0 42.4 upkg 974', 7.7 130 906042 0603.09 12.22 Surregue: : L2:Dishorenthane-44 50.0 44.2 upkg 9	Naphthalene	50.0	48.8		ug/kg	98%	72 - 150	9060479	06/02/09 14:06	
Xylenc, toal 150 156 ug/kg 104% 80.130 9060479 060209 160 Surrague: J.J.Dichlorachunec.44 50.0 30.2 675 15.1 9060479 060209 1406 Surrague: Tolume-d8 50.0 44.7 875 15.1 9060479 060209 1406 Surrague: Tolume-d8 50.0 44.7 874 51.25 9060479 060209 1406 Surrague: Tolume-d8 50.0 44.1 ug/kg 974 78-125 9060692 060309 12.12 Benzne 50.0 48.1 ug/kg 974 78-126 9060692 060309 12.12 Tolheare 50.0 42.4 ug/kg 974 76-126 9060692 060309 12.12 Surrague: Dirhond/horachume-d4 50.0 44.2 ug/kg 974 67.130 9060692 060309 12.12 Surrague: Dirhond/horachume 50.0 44.2 ug/kg 974 57.125 9060692 060309 <td>Toluene</td> <td>50.0</td> <td>44.8</td> <td></td> <td>ug/kg</td> <td>90%</td> <td>76 - 126</td> <td>9060479</td> <td>06/02/09 14:06</td>	Toluene	50.0	44.8		ug/kg	90%	76 - 126	9060479	06/02/09 14:06	
Surragic: J.D.Bichknorekhnue. 900 900 9000000 9000000 9000000 9000000 9000000 9000000 9000000 90000000 90000000 90000000 9000000	Xylenes, total	150	156		ug/kg	104%	80 - 130	9060479	06/02/09 14:06	
Surrague: Dimonofluoramechame 50.0 44.3 97% 7512.3 9060479 060209 14.06 Surrague: Dimonofluoramechame 50.0 44.7 89% 7612.9 9060479 060209 14.06 Surrague: ABronofluoramechame 50.0 48.1 ug/kg 96% 7812.6 9060692 060309 12.12 Surrague: 50.0 48.1 ug/kg 94% 72.15.0 9060692 060309 12.12 Enhyllmance 50.0 42.4 ug/kg 94% 72.15.0 9060692 060309 12.12 Tolume 50.0 42.4 ug/kg 97% 80.130 906092 060309 12.12 Surrague: Tolume 50.0 42.4 ug/kg 97% 80.130 906092 060309 12.12 Surrague: Tolume 50.0 42.4 ug/kg 97% 81.10 906092 060309 12.12 Surrague: Tolume 50.0	Surrogate: 1,2-Dichloroethane-d4	50.0	30.2			60%	41 - 150	9060479	06/02/09 14:06	
Surrague: Lalana-all 500 4.17 89% 76-129 9060479 060209 14.06 Surrague: 4.Bronnghuranbanzane 500 50.0 100% 58-130 9060479 060209 14.06 Surrague: 4.Bronnghuranbanzane 500 48.1 ug/kg 90% 78-126 9060692 060309 12.12 Enterna 500 48.6 ug/kg 91% 72-150 9060692 060309 12.12 Naphthalene 500 42.4 ug/kg 97% 80-130 9060692 060309 12.12 Surrague: 1.Dichlorocelnane-dl 500 42.4 ug/kg 97% 80-130 9060692 060309 12.12 Surrague: 1.Dichlorocelnane-dl 500 44.2 88% 76-129 906092 060309 12.12 Surrague: Thome-dla 500 44.2 88% 76-129 906092 060309 12.12 Surrague: Thome-dla 500 44.2 88% 76-129 9064954 060309 12.12 Surrague: Thome-dla 500 42.2 88% 76-129	Surrogate: Dibromofluoromethane	50.0	48.3			97%	75 - 125	9060479	06/02/09 14:06	
Surrogait: 4-Broandfluorobenezaet 50.0 100% 58 - 150 9060497 060209 14.00 Benzene 50.0 48.1 ug/kg 00% 78 - 126 9060492 660309 12.12 Entylbenzene 50.0 48.1 ug/kg 10% 78 - 126 9060492 660309 12.12 Rohphalane 50.0 42.4 ug/kg 875 76 - 126 9060492 660309 12.12 Surrogait: Jbroinofhuromethane 50.0 42.4 ug/kg 875 76 - 126 906092 660309 12.12 Surrogait: Jbroinofhuromethane 50.0 44.2 ug/kg 875 76 - 129 906092 660309 12.12 Surrogait: Jbroinofhuromethane 50.0 44.2 885 76 - 129 906092 660309 12.12 Surrogait: Jbroinofhuromethane 50.0 44.2 885 76 - 129 9064554 660309 12.12 Surrogait: Jbroinofhuromethane	Surrogate: Toluene-d8	50.0	44.7			89%	76 - 129	9060479	06/02/09 14:06	
9006062-BS1 Benzene 50.0 48.1 ug/kg 90% 78-126 9006062 600309 12.12 Ethylhenzene 50.0 50.2 ug/kg 100% 79-130 9006062 600309 12.12 Tobaene 50.0 42.4 ug/kg 85% 76-126 900602 600309 12.12 Zylenes, total 150 146 ug/kg 97% 80-130 9006022 600309 12.12 Surragest: J.2-Dichlanosthane-d4 50.0 44.2 ug/kg 87% 76-125 906062 600309 12.12 Surragest: J.2-Dichlanosthane-d4 50.0 44.2 88% 76-129 906022 600309 12.12 Surragest: J.2-Dichlanosthane-d4 50.0 44.2 88% 76-129 906062 600309 12.12 Surragest: J.2-Dichlanosthane-d4 50.0 44.2 88% 76-129 906052 600309 13.44 Accemphilene 1.67 1.17 mg/kg wet 79%	Surrogate: 4-Bromofluorobenzene	50.0	50.0			100%	58 - 150	9060479	06/02/09 14:06	
Benzone 50.0 48.1 ug/kg 90%, 78-126 9060692 060309 12.12 Ethylbenzene 50.0 50.2 ug/kg 94%, 72-150 9060692 060309 12.12 Naphthalene 50.0 42.4 ug/kg 94%, 72-150 9060692 060309 12.12 Xylenes, total 150 146 ug/kg 85%, 76-126 9060692 060309 12.12 Surrogate: 1.2:Diblomofhaomethane 50.0 34.2 68%, 41-150 9060692 060309 12.12 Surrogate: 1.2:Dibromofhaomethane 50.0 44.2 88%, 76-129 9060692 060309 12.12 Surrogate: 4:Bromofhuorabenzene 50.0 44.2 88%, 76-129 9060692 060309 12.12 Surrogate: 4:Bromofhuorabenzene 50.0 44.2 88% 76-129 9060692 060309 12.41 Surrogate: 4:Bromofhuorabenzene 50.0 41.23 88% 76-129 9060692 060309 12.41 Surogate: 4:Bromofhuorabenzene 167	9060692-BS1									
Ethybenzene 50.0 50.2 ug/kg 100% 79-130 9006062 0603.09 12.12 Naphthalne 50.0 46.8 ug/kg 94% 72-150 9006062 0603.09 12.12 Xylenes, total 150 146 ug/kg 85% 41-150 9060692 0603.09 12.12 Surragate: Dirbinformethane-d4 50.0 34.2 68% 41-150 9006092 0603.09 12.12 Surragate: Dirbinformethane-d4 50.0 34.2 88% 71-12 906092 0603.09 12.12 Surragate:	Benzene	50.0	48.1		ug/kg	96%	78 - 126	9060692	06/03/09 12:12	
Naphthalene 50.0 46.8 ug/kg 94% 72.150 9060692 0603.09 12.12 Tolnene 50.0 42.4 ug/kg 85% 76.126 9060692 0603.09 12.12 Surrogate: 1,2-Dichloroethane-d4 50.0 34.2 68% 41.150 9060692 0603.09 12.12 Surrogate: Dibromofhoromethane 50.0 49.4 99% 75.125 9060692 0603.09 12.12 Surrogate: A-Bromofhoromethane-d8 50.0 44.2 88% 76.129 9060692 0603.09 12.12 Surrogate: A-Bromofhoromethane-d8 50.0 44.2 88% 76.129 9060692 0603.09 12.12 Surrogate: A-Bromofhoromethane-d8 50.0 41.2 88% 76.12 9060692 0603.09 12.12 Surrogate: A-Bromofhoromethane-d8 50.0 41.2 88% 76.12 9060692 0603.09 12.12 Surrogate: A-Bromofhoromethane 1.67 1.23 mg/kg wet 74% 52.120 9054554 <td>Ethylbenzene</td> <td>50.0</td> <td>50.2</td> <td></td> <td>ug/kg</td> <td>100%</td> <td>79 - 130</td> <td>9060692</td> <td>06/03/09 12:12</td>	Ethylbenzene	50.0	50.2		ug/kg	100%	79 - 130	9060692	06/03/09 12:12	
Tokene 50.0 42.4 ug/kg 8% 76 - 126 9060692 06/03/09 12.12 Xylenes, total 150 146 ug/kg 9% 81 - 130 9006092 06/03/09 12.12 Surrogate: 1,2-Dichloroethane-d4 50.0 34.2 68% 41 - 150 9060692 06/03/09 12.12 Surrogate: 1bironofhuromethane 50.0 44.2 88% 76 - 129 9060692 06/03/09 12.12 Surrogate: -Bronofhuronethane 50.0 44.2 88% 76 - 129 9060692 06/03/09 12.12 Surrogate: -Bronofhuronethane 50.0 50.0 50.0 100% 67 - 147 9060692 06/03/09 12.12 Surrogate: Tokene-d8 50.0 60.0 90.0 12.12 12.12 12.12 Surrogate: Tokene-d8 50.0 50.0 50.0 50.0 100% 67 - 147 906092 06/03/09 13.44 Acenaphthene 1.67 1.17 mg/kg wet 76% 57 - 120 9054554 06/03/09 13.44 Benzo (a) anthracene 1.67 <	Naphthalene	50.0	46.8		ug/kg	94%	72 - 150	9060692	06/03/09 12:12	
Xytenes, total 150 146 ug/kg 97% 80 - 130 9060692 0603/09 12:12 Surrogate: Distoncethane-A4 50.0 34.2 68% 41 - 150 9060692 0603/09 12:12 Surrogate: Distoncethane-A4 50.0 44.2 89% 76 - 125 9060692 0603/09 12:12 Surrogate: I-Distoncethane-A8 50.0 50.0 100% 67 - 147 906052 0603/09 12:12 Surrogate: I-Distoncethane-A8 50.0 50.0 100% 67 - 147 906052 0603/09 12:12 Surrogate: I-Distoncethane-A8 50.0 50.0 100% 67 - 147 906052 0603/09 12:12 Surrogate: I-Distoncethane-A8 50.0 50.0 12:12 9054554 0603/09 12:12 Surrogate: I-Distoncethane-A8 50.0 50.0 100% 67 - 147 906052 0603/09 13:44 Acenaphthylene 1.67 1.23 mg/kg wet 79% 58 - 120 9054554 06/03/09 13:44 Benzo (a) pyrene 1.67 1.25 mg/kg wet 75%	Toluene	50.0	42.4		ug/kg	85%	76 - 126	9060692	06/03/09 12:12	
Surrogate: 1.3-Dichloroethane-d4 50.0 34.2 68% 41 - 150 9060692 06/03/09 12:12 Surrogate: DihromOlluoroethane 50.0 49.4 99% 75 - 125 9060692 06/03/09 12:12 Surrogate: DihromOlluoroethane 50.0 42.0 88% 76 - 129 9060692 06/03/09 12:12 Surrogate: A-BromOlluorobenzene 50.0 50.0 50.0 67 - 147 9060692 06/03/09 12:12 Surrogate: A-BromOlluorobenzene 50.0 50.0 50.0 67 - 147 9060692 06/03/09 12:12 Surrogate: A-BromOlluorobenzene 50.0 50.0 50.0 67 - 147 9064554 06/03/09 13:44 Acenaphthore 1.67 1.23 mg/k gwet 79% 55 - 120 9054554 06/03/09 13:44 Benzo (a) anthracene 1.67 1.25 mg/k gwet 75% 55 - 120 9054554 06/03/09 13:44 Benzo (b) floranthene 1.67 1.25 mg/k gwet 75% 51	Xylenes, total	150	146		ug/kg	97%	80 - 130	9060692	06/03/09 12:12	
Surrogate: Dibromofluoromethane 50.0 49.4 99% 75 - 125 906092 0603/09 12:12 Surrogate: Tolkeme-d8 50.0 44.2 88% 76 - 129 906092 0603/09 12:12 Surrogate: A-Bromofluorobenzene 50.0 50.0 100% 67 - 147 906092 0603/09 12:12 Polyaromatic Hydrocarbons by EPA 8270D Surrogate: A-Bromofluorobenzene Surrogate: A-Bromofluorobenzene 9064554 0603/09 13:44 Acenaphthene 1.67 1.17 mg/kg wet 70% 49 - 120 9054554 0603/09 13:44 Andmacene 1.67 1.23 mg/kg wet 78% 58 - 120 9054554 0603/09 13:44 Benzo (a) anthracene 1.67 1.25 mg/kg wet 78% 55 - 120 9054554 0603/09 13:44 Benzo (b) fluoranthene 1.67 1.25 mg/kg wet 78% 55 - 120 9054554 0603/09 13:44 Benzo (b) fluoranthene 1.67 1.25 mg/kg wet 75% <td>Surrogate: 1,2-Dichloroethane-d4</td> <td>50.0</td> <td>34.2</td> <td></td> <td></td> <td>68%</td> <td>41 - 150</td> <td>9060692</td> <td>06/03/09 12:12</td>	Surrogate: 1,2-Dichloroethane-d4	50.0	34.2			68%	41 - 150	9060692	06/03/09 12:12	
Surrogate: Toluene-d8 50.0 44.2 88% 76-129 9060692 06/03/09 12:12 Surrogate: 4-Bromofluorobenzene 50.0 50.0 100% 67-147 9060692 06/03/09 12:12 Polyaromatic Hydrocarbons by EPA 8270D F 9054554-BS1 9054554 66/03/09 13:44 Acenaphthylene 1.67 1.17 mg/k gwet 70% 49-120 9054554 06/03/09 13:44 Acenaphthylene 1.67 1.23 mg/k gwet 79% 58-120 9054554 06/03/09 13:44 Benzo (a) anthracene 1.67 1.23 mg/k gwet 79% 58-120 9054554 06/03/09 13:44 Benzo (a) anthracene 1.67 1.26 mg/k gwet 79% 51-120 9054554 06/03/09 13:44 Benzo (b) fluoranthene 1.67 1.25 mg/k gwet 79% 51-120 9054554 06/03/09 13:44 Benzo (b) fluoranthene 1.67 1.25 mg/k gwet 79% 51-120	Surrogate: Dibromofluoromethane	50.0	49.4			99%	75 - 125	9060692	06/03/09 12:12	
Surrogate: 4-Bronofluorobenzene 50.0 100% 67-147 906092 90703/91 12:12 Polyaromatic Hydrocarbons by EPA 8270D Surrogate: 4-Bronofluorobenzene 50.0 100% 67-147 906092 90703/91 12:12 Surrogate: 4-Bronofluorobenzene 1.67 1.17 mg/kg wet 70% 49-120 9054554 6603/09 13:44 Acenaphtholene 1.67 1.23 mg/kg wet 79% 58-120 9054554 6603/09 13:44 Benzo (a) anthracene 1.67 1.26 mg/kg wet 79% 55-120 9054554 6603/09 13:44 Benzo (b) fluoranthene 1.67 1.25 mg/kg wet 79% 51-123 9054554 6603/09 13:44 Benzo (b) fluoranthene 1.67 1.25 mg/kg wet 79% 51-123 9054554 6603/09 13:44 Benzo (b) fluoranthene 1.67 1.26 mg/kg wet 75% 51-123 9054554 6603/09 13:44 Benzo (b) fluoranthene 1.6	Surrogate: Toluene-d8	50.0	44.2			88%	76 - 129	9060692	06/03/09 12:12	
Polyaromatic Hydrocarbons by EPA 8270D 9054554-BS1 Acenaphthene 1.67 1.17 mg/kg wet 70% 52 - 120 9054554 06/03/09 13.44 Acenaphthylene 1.67 1.23 mg/kg wet 74% 52 - 120 9054554 06/03/09 13.44 Antmacene 1.67 1.23 mg/kg wet 76% 57 - 120 9054554 06/03/09 13.44 Benzo (a) anthracene 1.67 1.26 mg/kg wet 76% 55 - 120 9054554 06/03/09 13.44 Benzo (a) pyrene 1.67 1.25 mg/kg wet 75% 55 - 120 9054554 06/03/09 13.44 Benzo (b) fluoranthene 1.67 1.25 mg/kg wet 75% 49 - 121 9054554 06/03/09 13.44 Benzo (k) fluoranthene 1.67 1.26 mg/kg wet 75% 49 - 121 9054554 06/03/09 13.44 Dibenz (g,h) anthracene 1.67 1.28 mg/kg wet 75% 55 - 120 9054554 <t< td=""><td>Surrogate: 4-Bromofluorobenzene</td><td>50.0</td><td>50.0</td><td></td><td></td><td>100%</td><td>67 - 147</td><td>9060692</td><td>06/03/09 12:12</td></t<>	Surrogate: 4-Bromofluorobenzene	50.0	50.0			100%	67 - 147	9060692	06/03/09 12:12	
9054554-BS1 Acenaphthene 1.67 1.17 mg/kg wet 70% 49 - 120 9054554 06/03/09 13:44 Acenaphthylene 1.67 1.23 mg/kg wet 74% 52 - 120 9054554 06/03/09 13:44 Anthracene 1.67 1.32 mg/kg wet 79% 58 - 120 9054554 06/03/09 13:44 Benzo (a) anthracene 1.67 1.26 mg/kg wet 76% 57 - 120 9054554 06/03/09 13:44 Benzo (a) anthracene 1.67 1.25 mg/kg wet 75% 55 - 120 9054554 06/03/09 13:44 Benzo (a) fluoranthene 1.67 1.25 mg/kg wet 75% 49 - 121 9054554 06/03/09 13:44 Benzo (k) fluoranthene 1.67 1.25 mg/kg wet 75% 49 - 121 9054554 06/03/09 13:44 Chrysene 1.67 1.26 mg/kg wet 75% 49 - 121 9054554 06/03/09 13:44 Dibenz (a,h) an	Polyaromatic Hydrocarbons by EP	A 8270D								
Acenaphthene1.671.17mg/kg wet70%49 - 120905455406/03/0913:44Acenaphthylene1.671.23mg/kg wet74%52 - 120905455406/03/0913:44Anthracene1.671.32mg/kg wet79%58 - 120905455406/03/0913:44Benzo (a) anthracene1.671.26mg/kg wet76%57 - 120905455406/03/0913:44Benzo (a) pyrene1.671.25mg/kg wet75%55 - 120905455406/03/0913:44Benzo (a) pyrene1.671.22mg/kg wet75%55 - 120905455406/03/0913:44Benzo (b) fluoranthene1.671.25mg/kg wet75%49 - 121905455406/03/0913:44Benzo (k) fluoranthene1.671.20mg/kg wet75%49 - 121905455406/03/0913:44Chrysene1.671.20mg/kg wet75%55 - 120905455406/03/0913:44Dibenz (a,h) anthracene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.23mg/kg wet75%58 - 120905455406/03/0913:44Fluoranthene1.671.23mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.23mg/kg wet78%50 - 122905455406/03/0913:44Fluoranthene1.671.3	9054554-BS1									
Acenaphthylene1.671.23mg/kg wet74%52 - 120905455406/03/0913:44Anthracene1.671.32mg/kg wet79%58 - 120905455406/03/0913:44Benzo (a) anthracene1.671.26mg/kg wet75%55 - 120905455406/03/0913:44Benzo (a) pyrene1.671.25mg/kg wet75%55 - 120905455406/03/0913:44Benzo (g,h,i) perylene1.671.25mg/kg wet75%49 - 121905455406/03/0913:44Benzo (k) fluoranthene1.671.08mg/kg wet65%42 - 129905455406/03/0913:44Chrysene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.23mg/kg wet77%50 - 123905455406/03/0913:44Fluorene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Indeno (1,2,3-cd) pyrne1.671.23mg/kg wet77%50 - 123905455406/03/0913:44Naphthalene1.671.05mg/kg wet78%58 - 120905455406/03/0913:44Naphthalene1.671.05mg/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.05mg/kg wet78%56 - 120905455406/03/0913:44Naphthalene1.671.19mg	Acenaphthene	1.67	1.17		mg/kg wet	70%	49 - 120	9054554	06/03/09 13:44	
Anthracene1.671.32mg/kg wet79%58 - 120905455406/03/0913:44Benzo (a) anthracene1.671.26mg/kg wet76%57 - 120905455406/03/0913:44Benzo (a) pyrene1.671.25mg/kg wet75%55 - 120905455406/03/0913:44Benzo (b) fluoranthene1.671.32mg/kg wet75%49 - 121905455406/03/0913:44Benzo (b, fluoranthene1.671.25mg/kg wet65%42 - 129905455406/03/0913:44Benzo (k) fluoranthene1.671.08mg/kg wet65%42 - 129905455406/03/0913:44Dibenz (a, h) anthracene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.23mg/kg wet75%58 - 120905455406/03/0913:44Fluorene1.671.23mg/kg wet75%58 - 120905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.23mg/kg wet78%50 - 122905455406/03/0913:44Phenanthrene1.671.05mg/kg wet78%50 - 122905455406/03/0913:44Pyrene1.671.19mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.01	Acenaphthylene	1.67	1.23		mg/kg wet	74%	52 - 120	9054554	06/03/09 13:44	
Benzo (a) anthracene1.671.26mg/kg wet76%57 - 120905455406/03/0913:44Benzo (a) pyrene1.671.25mg/kg wet75%55 - 120905455406/03/0913:44Benzo (b) fluoranthene1.671.32mg/kg wet79%51 - 123905455406/03/0913:44Benzo (g), i) perylene1.671.25mg/kg wet75%49 - 121905455406/03/0913:44Benzo (k) fluoranthene1.671.08mg/kg wet65%42 - 129905455406/03/0913:44Chrysene1.671.20mg/kg wet77%50 - 123905455406/03/0913:44Dibenz (a, h) anthracene1.671.25mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.23mg/kg wet77%50 - 123905455406/03/0913:44Fluorene1.671.23mg/kg wet78%50 - 122905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.05mg/kg wet78%50 - 122905455406/03/0913:44Phenanthrene1.671.19mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:44I-Methylnaphthalene1.671.21mg/kg wet73%56 - 120905455406/03/0913:442-Methylnaphthalene </td <td>Anthracene</td> <td>1.67</td> <td>1.32</td> <td></td> <td>mg/kg wet</td> <td>79%</td> <td>58 - 120</td> <td>9054554</td> <td>06/03/09 13:44</td>	Anthracene	1.67	1.32		mg/kg wet	79%	58 - 120	9054554	06/03/09 13:44	
Benzo (a) pyrene1.671.25mg/kg wet75%55 - 120905455406/03/0913:44Benzo (b, fluoranthene1.671.32mg/kg wet79%51 - 123905455406/03/0913:44Benzo (g, h, i) perylene1.671.25mg/kg wet75%49 - 121905455406/03/0913:44Benzo (k) fluoranthene1.671.08mg/kg wet65%42 - 129905455406/03/0913:44Chrysene1.671.20mg/kg wet72%55 - 120905455406/03/0913:44Dibenz (a, h) anthracene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.23mg/kg wet75%58 - 120905455406/03/0913:44Indeno (1,2,3-ed) pyrene1.671.30mg/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.05mg/kg wet63%28 - 107905455406/03/0913:44Pyrene1.671.19mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg we	Benzo (a) anthracene	1.67	1.26		mg/kg wet	76%	57 - 120	9054554	06/03/09 13:44	
Benzo (b) fluoranthene1.671.32mg/kg wet79%51 - 123905455406/03/0913:44Benzo (g,h,i) perylene1.671.25mg/kg wet75%49 - 121905455406/03/0913:44Benzo (k) fluoranthene1.671.08mg/kg wet65%42 - 129905455406/03/0913:44Chrysene1.671.20mg/kg wet72%55 - 120905455406/03/0913:44Dibenz (a,h) anthracene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.23mg/kg wet75%58 - 120905455406/03/0913:44Fluoranthene1.671.23mg/kg wet77%50 - 123905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.05mg/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.19mg/kg wet73%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01mg/kg wet73%56 - 120905455406/03/0913:442-Methylnaphthalene1.671.11mg/kg wet73%56 - 120905455406/03/0913:442-Methylnaphthalene1.671.01mg/kg wet73%56 - 120905455406/03/0913:442-Methylnaphthale	Benzo (a) pyrene	1.67	1.25		mg/kg wet	75%	55 - 120	9054554	06/03/09 13:44	
Benzo (g,h,i) perylene1.671.25mg/kg wet75%49 - 121905455406/03/0913:44Benzo (k) fluoranthene1.671.08mg/kg wet65%42 - 129905455406/03/0913:44Chrysene1.671.20mg/kg wet72%55 - 120905455406/03/0913:44Dibenz (a,h) anthracene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.25mg/kg wet75%58 - 120905455406/03/0913:44Fluorene1.671.23mg/kg wet74%54 - 120905455406/03/0913:44Naphthalene1.671.30mg/kg wet78%50 - 122905455406/03/0913:44Phenanthrene1.671.05mg/kg wet78%50 - 122905455406/03/0913:44Phenanthrene1.671.19mg/kg wet73%56 - 120905455406/03/0913:44Phenanthrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01mg/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.11mg/kg wet67%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.01mg/kg wet60%36 - 120905455406/03/0913:441-Methylnaphthalene1.67	Benzo (b) fluoranthene	1.67	1.32		mg/kg wet	79%	51 - 123	9054554	06/03/09 13:44	
Benzo (k) fluoranthene1.671.08mg/kg wet65%42 - 129905455406/03/0913:44Chrysene1.671.20mg/kg wet72%55 - 120905455406/03/0913:44Dibenz (a,h) anthracene1.671.28mg/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.25mg/kg wet75%58 - 120905455406/03/0913:44Fluorene1.671.23mg/kg wet74%54 - 120905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.30mg/kg wet78%50 - 122905455406/03/0913:44Phenanthrene1.671.05mg/kg wet78%50 - 122905455406/03/0913:44Phenanthrene1.671.19mg/kg wet72%56 - 120905455406/03/0913:44Phenanthrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01mg/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.01mg/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.01mg/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.11mg/kg wet67%36 - 120905455406/03/0913:44	Benzo (g,h,i) perylene	1.67	1.25		mg/kg wet	75%	49 - 121	9054554	06/03/09 13:44	
Chrysene1.671.20ng/kg wet72%55 - 120905455406/03/0913:44Dibenz (a,h) anthracene1.671.28ng/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.25ng/kg wet75%58 - 120905455406/03/0913:44Fluorene1.671.23ng/kg wet74%54 - 120905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.30ng/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.05ng/kg wet63%28 - 107905455406/03/0913:44Phenanthrene1.671.19ng/kg wet72%56 - 120905455406/03/0913:44Pyrene1.671.21ng/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01ng/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.11ng/kg wet67%36 - 120905455406/03/0913:44	Benzo (k) fluoranthene	1.67	1.08		mg/kg wet	65%	42 - 129	9054554	06/03/09 13:44	
Diberz (a,h) anthracene1.671.28ng/kg wet77%50 - 123905455406/03/0913:44Fluoranthene1.671.25ng/kg wet75%58 - 120905455406/03/0913:44Fluorene1.671.23ng/kg wet74%54 - 120905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.30ng/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.05ng/kg wet63%28 - 107905455406/03/0913:44Phenanthrene1.671.19ng/kg wet72%56 - 120905455406/03/0913:44Pyrene1.671.21ng/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01ng/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.11ng/kg wet67%36 - 120905455406/03/0913:44	Chrysene	1.67	1.20		mg/kg wet	72%	55 - 120	9054554	06/03/09 13:44	
Fluoranthene1.671.25ng/kg wet75%58 - 120905455406/03/0913:44Fluorene1.671.23ng/kg wet74%54 - 120905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.30ng/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.05ng/kg wet63%28 - 107905455406/03/0913:44Phenanthrene1.671.19ng/kg wet72%56 - 120905455406/03/0913:44Pyrene1.671.21ng/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01ng/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.01ng/kg wet67%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.11ng/kg wet67%36 - 120905455406/03/0913:44	Dibenz (a,h) anthracene	1.67	1.28		mg/kg wet	77%	50 - 123	9054554	06/03/09 13:44	
Fluorene1.671.23ng/kg wet74%54 - 120905455406/03/0913:44Indeno (1,2,3-cd) pyrene1.671.30ng/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.05ng/kg wet63%28 - 107905455406/03/0913:44Phenanthrene1.671.19ng/kg wet72%56 - 120905455406/03/0913:44Pyrene1.671.21ng/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01mg/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.11mg/kg wet67%36 - 120905455406/03/0913:44	Fluoranthene	1.67	1.25		mg/kg wet	75%	58 - 120	9054554	06/03/09 13:44	
Indeno (1,2,3-cd) pyrene1.671.30mg/kg wet78%50 - 122905455406/03/0913:44Naphthalene1.671.05mg/kg wet63%28 - 107905455406/03/0913:44Phenanthrene1.671.19mg/kg wet72%56 - 120905455406/03/0913:44Pyrene1.671.21mg/kg wet73%56 - 120905455406/03/0913:441-Methylnaphthalene1.671.01mg/kg wet60%36 - 120905455406/03/0913:442-Methylnaphthalene1.671.11mg/kg wet67%36 - 120905455406/03/0913:44	Fluorene	1.67	1.23		mg/kg wet	74%	54 - 120	9054554	06/03/09 13:44	
Naphthalene 1.67 1.05 mg/kg wet 63% 28 - 107 9054554 06/03/09 13:44 Phenanthrene 1.67 1.19 mg/kg wet 72% 56 - 120 9054554 06/03/09 13:44 Pyrene 1.67 1.21 mg/kg wet 73% 56 - 120 9054554 06/03/09 13:44 1-Methylnaphthalene 1.67 1.01 mg/kg wet 60% 36 - 120 9054554 06/03/09 13:44 2-Methylnaphthalene 1.67 1.01 mg/kg wet 60% 36 - 120 9054554 06/03/09 13:44	Indeno (1,2,3-cd) pyrene	1.67	1.30		mg/kg wet	78%	50 - 122	9054554	06/03/09 13:44	
Phenanthrene 1.67 1.19 mg/kg wet 72% 56 - 120 9054554 06/03/09 13:44 Pyrene 1.67 1.21 mg/kg wet 73% 56 - 120 9054554 06/03/09 13:44 1-Methylnaphthalene 1.67 1.01 mg/kg wet 60% 36 - 120 9054554 06/03/09 13:44 2-Methylnaphthalene 1.67 1.01 mg/kg wet 60% 36 - 120 9054554 06/03/09 13:44	Naphthalene	1.67	1.05		mg/kg wet	63%	28 - 107	9054554	06/03/09 13:44	
Pyrene 1.67 1.21 mg/kg wet 73% 56 - 120 9054554 06/03/09 13:44 1-Methylnaphthalene 1.67 1.01 mg/kg wet 60% 36 - 120 9054554 06/03/09 13:44 2-Methylnaphthalene 1.67 1.11 mg/kg wet 67% 36 - 120 9054554 06/03/09 13:44	Phenanthrene	1.67	1.19		mg/kg wet	72%	56 - 120	9054554	06/03/09 13:44	
1-Methylnaphthalene 1.67 1.01 mg/kg wet 60% 36 - 120 9054554 06/03/09 13:44 2-Methylnaphthalene 1.67 1.11 mg/kg wet 67% 36 - 120 9054554 06/03/09 13:44	Pyrene	1.67	1.21		mg/kg wet	73%	56 - 120	9054554	06/03/09 13:44	
2-Methylnaphthalene 1.67 1.11 mg/kg wet 67% 36 - 120 9054554 06/03/09 13:44	1-Methylnaphthalene	1.67	1.01		mg/kg wet	60%	36 - 120	9054554	06/03/09 13:44	
	2-Methylnaphthalene	1.67	1.11		mg/kg wet	67%	36 - 120	9054554	06/03/09 13:44	

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client EEG - Small Business Group, Inc. (2449) 10179 Highway 78 Ladson, SC 29456 Attn Tom McElwee Work Order:NSE2473Project Name:Laurel Bay Housing ProjectProject Number:[none]Received:05/29/09 08:00

PROJECT QUALITY CONTROL DATA

LCS - Cont.

						Torget		Analyzed
Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Range	Batch	Date/Time
Polyaromatic Hydrocarbons by I	EPA 8270D							
9054554-BS1								
Surrogate: Terphenyl-d14	1.67	1.19			71%	18 - 120	9054554	06/03/09 13:44
Surrogate: 2-Fluorobiphenyl	1.67	1.10			66%	14 - 120	9054554	06/03/09 13:44
Surrogate: Nitrobenzene-d5	1.67	1.19			71%	17 - 120	9054554	06/03/09 13:44

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compo	ounds by EPA	Method 82(50 B									
9060479-BSD1												
Benzene		48.3		ug/kg	50.0	97%	78 - 126	2	50	9060479		06/02/09 13:36
Ethylbenzene		51.9		ug/kg	50.0	104%	79 - 130	3	50	9060479		06/02/09 13:36
Naphthalene		52.2		ug/kg	50.0	104%	72 - 150	7	50	9060479		06/02/09 13:36
Toluene		43.8		ug/kg	50.0	88%	76 - 126	2	50	9060479		06/02/09 13:36
Xylenes, total		152		ug/kg	150	102%	80 - 130	2	50	9060479		06/02/09 13:36
Surrogate: 1,2-Dichloroethane-d4		33.8		ug/kg	50.0	68%	41 - 150			9060479		06/02/09 13:36
Surrogate: Dibromofluoromethane		49.2		ug/kg	50.0	98%	75 - 125			9060479		06/02/09 13:36
Surrogate: Toluene-d8		44.5		ug/kg	50.0	89%	76 - 129			9060479		06/02/09 13:36
Surrogate: 4-Bromofluorobenzene		49.8		ug/kg	50.0	100%	58 - 150			9060479		06/02/09 13:36
9060692-BSD1												
Benzene		52.8		ug/kg	50.0	106%	78 - 126	9	50	9060692		06/03/09 12:42
Ethylbenzene		55.1		ug/kg	50.0	110%	79 - 130	9	50	9060692		06/03/09 12:42
Naphthalene		55.1		ug/kg	50.0	110%	72 - 150	16	50	9060692		06/03/09 12:42
Toluene		46.2		ug/kg	50.0	92%	76 - 126	9	50	9060692		06/03/09 12:42
Xylenes, total		162		ug/kg	150	108%	80 - 130	11	50	9060692		06/03/09 12:42
Surrogate: 1,2-Dichloroethane-d4		34.5		ug/kg	50.0	69%	41 - 150			9060692		06/03/09 12:42
Surrogate: Dibromofluoromethane		49.8		ug/kg	50.0	100%	75 - 125			9060692		06/03/09 12:42
Surrogate: Toluene-d8		43.5		ug/kg	50.0	87%	76 - 129			9060692		06/03/09 12:42
Surrogate: 4-Bromofluorobenzene		50.1		ug/kg	50.0	100%	67 - 147			9060692		06/03/09 12:42

THE LEADER IN ENVIRONMENTAL TESTING

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

Attn Tom McElwee

Work Order:	NSE2473
Project Name:	Laurel Bay Housing Project
Project Number:	[none]
Received:	05/29/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compo	unds by EPA Me	thod 8260B				**				
9060479-MS1										
Benzene	ND	48.8		ug/kg	50.0	98%	42 - 141	9060479	NSE2547-01	06/02/09 21:02
Ethylbenzene	ND	51.9		ug/kg	50.0	104%	21 - 165	9060479	NSE2547-01	06/02/09 21:02
Naphthalene	ND	46.7		ug/kg	50.0	93%	10 - 160	9060479	NSE2547-01	06/02/09 21:02
Toluene	ND	42.4		ug/kg	50.0	85%	45 - 145	9060479	NSE2547-01	06/02/09 21:02
Xylenes, total	ND	151		ug/kg	150	101%	31 - 159	9060479	NSE2547-01	06/02/09 21:02
Surrogate: 1,2-Dichloroethane-d4		41.6		ug/kg	50.0	83%	41 - 150	9060479	NSE2547-01	06/02/09 21:02
Surrogate: Dibromofluoromethane		49.4		ug/kg	50.0	99%	75 - 125	9060479	NSE2547-01	06/02/09 21:02
Surrogate: Toluene-d8		42.7		ug/kg	50.0	85%	76 - 129	9060479	NSE2547-01	06/02/09 21:02
Surrogate: 4-Bromofluorobenzene		50.8		ug/kg	50.0	102%	58 - 150	9060479	NSE2547-01	06/02/09 21:02
9060692-MS1										
Benzene	ND	68.0		ug/kg	50.0	136%	42 - 141	9060692	NSE2076-04	06/03/09 19:27
Ethylbenzene	ND	68.5		ug/kg	50.0	137%	21 - 165	9060692	NSE2076-04	06/03/09 19:27
Naphthalene	ND	84.3	M7	ug/kg	50.0	169%	10 - 160	9060692	NSE2076-04	06/03/09 19:27
Toluene	ND	58.8		ug/kg	50.0	118%	45 - 145	9060692	NSE2076-04	06/03/09 19:27
Xylenes, total	ND	201		ug/kg	150	134%	31 - 159	9060692	NSE2076-04	06/03/09 19:27
Surrogate: 1,2-Dichloroethane-d4		45.2		ug/kg	50.0	90%	41 - 150	9060692	NSE2076-04	06/03/09 19:27
Surrogate: Dibromofluoromethane		49.8		ug/kg	50.0	100%	75 - 125	9060692	NSE2076-04	06/03/09 19:27
Surrogate: Toluene-d8		43.2		ug/kg	50.0	86%	76 - 129	9060692	NSE2076-04	06/03/09 19:27
Surrogate: 4-Bromofluorobenzene		53.2		ug/kg	50.0	106%	67 - 147	9060692	NSE2076-04	06/03/09 19:27
Polyaromatic Hydrocarbons by E	PA 8270D									
9054554-MS1										
Acenaphthene	ND	1.10		mg/kg dry	1.76	62%	42 - 120	9054554	NSE2473-05	06/03/09 14:07
Acenaphthylene	ND	1.15		mg/kg dry	1.76	65%	32 - 120	9054554	NSE2473-05	06/03/09 14:07
Anthracene	ND	1.20		mg/kg dry	1.76	68%	10 - 200	9054554	NSE2473-05	06/03/09 14:07
Benzo (a) anthracene	ND	1.15		mg/kg dry	1.76	65%	41 - 120	9054554	NSE2473-05	06/03/09 14:07
Benzo (a) pyrene	ND	1.15		mg/kg dry	1.76	65%	33 - 121	9054554	NSE2473-05	06/03/09 14:07
Benzo (b) fluoranthene	ND	1.28		mg/kg dry	1.76	73%	26 - 137	9054554	NSE2473-05	06/03/09 14:07
Benzo (g,h,i) perylene	ND	1.20		mg/kg dry	1.76	68%	21 - 124	9054554	NSE2473-05	06/03/09 14:07
Benzo (k) fluoranthene	ND	1.02		mg/kg dry	1.76	58%	14 - 140	9054554	NSE2473-05	06/03/09 14:07
Chrysene	ND	1.12		mg/kg dry	1.76	64%	28 - 123	9054554	NSE2473-05	06/03/09 14:07
Dibenz (a,h) anthracene	ND	1.22		mg/kg dry	1.76	69%	25 - 127	9054554	NSE2473-05	06/03/09 14:07
Fluoranthene	ND	1.20		mg/kg dry	1.76	68%	38 - 120	9054554	NSE2473-05	06/03/09 14:07
Fluorene	ND	1.14		mg/kg dry	1.76	65%	41 - 120	9054554	NSE2473-05	06/03/09 14:07
Indeno (1,2,3-cd) pyrene	ND	1.22		mg/kg dry	1.76	69%	25 - 123	9054554	NSE2473-05	06/03/09 14:07
Naphthalene	ND	0.980		mg/kg dry	1.76	56%	25 - 120	9054554	NSE2473-05	06/03/09 14:07
Phenanthrene	ND	1.11		mg/kg dry	1.76	63%	37 - 120	9054554	NSE2473-05	06/03/09 14:07

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

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

Work Order:	NSE2473
Project Name:	Laurel Bay Housing Project
Project Number:	[none]
Received:	05/29/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike - Cont.												
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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Phenanthrene

-Methylnaphthalene

lethylnaphthalene

Pyrene

ND

ND

ND

ND

1.05

1.06

0.906

0.980

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

		PR	OJECT	FQUALITY	CONT	ROL I	DATA						
Matrix Spike Dup													
Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time	
Selected Volatile Organic Compoun	ds by EPA	Method 82	60B										
9060479-MSD1													
Benzene	ND	50.9		ug/kg	50.0	102%	42 - 141	4	50	9060479	NSE2547-01	06/02/09 21:32	
Ethylbenzene	ND	54.6		ug/kg	50.0	109%	21 - 165	5	50	9060479	N\$E2547-01	06/02/09 21:32	
Naphthalene	ND	46.1		ug/kg	50.0	92%	10 - 160	1	50	9060479	NSE2547-01	06/02/09 21:32	
Toluene	ND	44.8		ug/kg	50.0	90%	45 - 145	6	50	9060479	NSE2547-01	06/02/09 21:32	
Xylenes, total	ND	159		ug/kg	150	106%	31 - 159	5	50	9060479	NSE2547-01	06/02/09 21:32	
Surrogate: 1,2-Dichloroethane-d4		36.5		ug/kg	50.0	73%	41 - 150			9060479	NSE2547-01	06/02/09 21:32	
Surrogate: Dibromofluoromethane		49.9		ug/kg	50.0	100%	75 - 125			9060479	NSE2547-01	06/02/09 21:32	
Surrogate: Toluene-d8		43.0		ug/kg	50.0	86%	76 - 129			9060479	NSE2547-01	06/02/09 21:32	
Surrogate: 4-Bromofluorobenzene		51.0		ug/kg	50.0	102%	58 - 150			9060479	NSE2547-01	06/02/09 21:32	
9060692-MSD1													
Benzene	ND	82.7	M7	ug/kg	50.0	165%	42 - 141	19	50	9060692	NSE2076-04	06/03/09 19:57	
Ethylbenzene	ND	86.6	M7	ug/kg	50.0	173%	21 - 165	23	50	9060692	NSE2076-04	06/03/09 19:57	
Naphthalene	ND	82.3	M7	ug/kg	50.0	165%	10 - 160	2	50	9060692	NSE2076-04	06/03/09 19:57	
Toluene	ND	70.5		ug/kg	50,0	141%	45 - 145	18	50	9060692	NSE2076-04	06/03/09 19:57	
Xylenes, total	ND	250	M7	ug/kg	150	167%	31 - 159	22	50	9060692	NSE2076-04	06/03/09 19:57	
Surrogate: 1,2-Dichloroethane-d4		29.6		ug/kg	50.0	59%	41 - 150			9060692	NSE2076-04	06/03/09 19:57	
Surrogate: Dibromofluoromethane		47.6		ug/kg	50.0	95%	75 - 125			9060692	NSE2076-04	06/03/09 19:57	
Surrogate: Toluene-d8		42.4		ug/kg	50.0	85%	76 - 129			9060692	NSE2076-04	06/03/09 19:57	
Surrogate: 4-Bromofluorobenzene		50.2		ug/kg	50.0	100%	67 - 147			9060692	NSE2076-04	06/03/09 19:57	
Polyaromatic Hydrocarbons by EPA	A 8270D												
9054554-MSD1													
Acenaphthene	ND	1.03		mg/kg dry	1.74	59%	42 - 120	7	40	9054554	NSE2473-05	06/03/09 14:31	
Acenaphthylene	ND	1.06		mg/kg dry	1.74	61%	32 - 120	8	30	9054554	NSE2473-05	06/03/09 14:31	
Anthracene	ND	1.13		mg/kg dry	1.74	65%	10 - 200	6	50	9054554	NSE2473-05	06/03/09 14:31	
Benzo (a) anthracene	ND	1.08		mg/kg dry	1.74	62%	41 - 120	7	30	9054554	NSE2473-05	06/03/09 14:31	
Benzo (a) pyrene	ND	1.06		mg/kg dry	1.74	61%	33 - 121	8	33	9054554	NSE2473-05	06/03/09 14:31	
Benzo (b) fluoranthene	ND	1.04		mg/kg dry	1.74	60%	26 - 137	21	42	9054554	NSE2473-05	06/03/09 14:31	
Benzo (g,h,i) perylene	ND	1.08		mg/kg dry	1.74	62%	21 - 124	11	32	9054554	NSE2473-05	06/03/09 14:31	
Benzo (k) fluoranthene	ND	1.03		mg/kg dry	1.74	59%	14 - 140	0.7	39	9054554	NSE2473-05	06/03/09 14:31	
Chrysene	ND	1.03		mg/kg dry	1.74	59%	28 - 123	9	34	9054554	NSE2473-05	06/03/09 14:31	
Dibenz (a,h) anthracene	ND	1.11		mg/kg dry	1.74	64%	25 - 127	9	31	9054554	NSE2473-05	06/03/09 14:31	
Fluoranthene	ND	1.11		mg/kg dry	1.74	64%	38 - 120	8	35	9054554	NSE2473-05	06/03/09 14:31	
Fluorene	ND	1.06		mg/kg dry	1.74	61%	41 - 120	7	37	9054554	NSE2473-05	06/03/09 14:31	
Indeno (1,2,3-cd) pyrene	ND	1.11		mg/kg dry	1.74	64%	25 - 123	10	32	9054554	NSE2473-05	06/03/09 14:31	
Naphthalene	ND	0.950		mg/kg dry	1.74	55%	25 - 120	3	42	9054554	NSE2473-05	06/03/09 14:31	

1.74

1.74

1.74

1.74

mg/kg dry

mg/kg dry

mg/kg dry

mg/kg dry

60%

61%

52%

56%

37 - 120

29 - 125

19 - 120

11 - 120

6 32

8 40

4 45

4

50

9054554

9054554

9054554

9054554

NSE2473-05

NSE2473-05

NSE2473-05

NSE2473-05

06/03/09 14:31

06/03/09 14:31

06/03/09 14:31

06/03/09 14:31

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client EEG - Small Business Group, Inc. (2449) 10179 Highway 78 Ladson, SC 29456 Attn Tom McElwee Work Order:NSE2473Project Name:Laurel Bay Housing ProjectProject Number:[none]Received:05/29/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig, Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by	EPA 8270D										
9054554-MSD1											
Surrogate: Terphenyl-d14		1.05		mg/kg dry	1.74	60%	18 - 120		9054554	NSE2473-05	06/03/09 14:31
Surrogate: 2-Fluorobiphenyl		0.953		mg/kg dry	1.74	55%	14 - 120		9054554	NSE2473-05	06/03/09 14:31
Surrogate: Nitrobenzene-d5		1.07		mg/kg dry	1.74	62%	17 - 120		9054554	NSE2473-05	06/03/09 14:31

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

TestAmerica Nashville

CERTIFICATION SUMMARY

Method	Matrix	AIHA	Nelac	South Carolina
SW846 8260B	Soil	N/A	Х	X
SW846 8270D	Soil			Х
SW-846	Soil			

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSE2473
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/29/09 08:00

DATA QUALIFIERS AND DEFINITIONS

- M7 The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
- **RL1** Reporting limit raised due to sample matrix effects.
- **ZX** Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
- ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

06/12/09 23:	59																														
		Nashville 2960 Fos Nashville	Divisi ter Cre , TN 37	on eightor 7204	1			T	Pho oll Fi	one: ree: Fax:	615 800 615	5-726)-765 5-726	-017 -091 -340	77 80 04							To a meti regu	issist u hods, is ilatory j	s in us this v ourpos	ing the /ork be es?	: prop ing c	oer an: conduc	alytical sted for	l r			
Client Name/Account #:	EEG # 2449																-							Com	pliand	ce Mo	nitorinç	J?	Yes	·	_ No
Address:	10179 Highway	78															_							Enf	orcer	nent A	Action?	•	Yes	•	No
City/State/Zip:	Ladson, SC 294	456																	Site	State	SC										
Project Manager:	Tom McElwee	email: mcelv	vee@ee	eginc.n	et							_	~	1			-,			PO#		0	8-	रप							
Telephone Number:	843.412.2097	the c			<u>.</u>	Fa	ax No	s: _ (59	3	-	-8	14	-	04	0	[TA Q	uote #											
Sampler Name: (Print)	PR4	TAPA	hA	w									-						Proj	ect ID	Lau	el Bay	Housi	n g Pro j	ect						
Sampler Signature:		NY_										<u> </u>	5				-		Pro	ject #											
		, <i>O</i>		TL					rese	rvati	ve		Į.		M	latrix	1		-					Analyz	e Fo	<u>r:</u>					╞╤╴
Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shippe	K Grab	Composite	Field Filtered	loe	HICI (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass(Yellow Label)	Vone (Black Label)	Uner (Specify)	Groundwater	Wastewater Drinking Water	Sludge	K Soil	Other (specify):	BTEX + Napth - 8260	J PAH - 8270C						152	717	7			RUSH TAT (Pre-Schedul
1032 FULL	5/20/04	10-0	2	5	-+		-		-	┝─┤		<u>त</u>	╂	-+-		+	X		~	2			+		+	<u>bxv</u>	211	<u>} </u>			
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Special Instructions:			L	<u></u>			Meth	od of	Shi	pmei	nt:				k		FE	DEX	(I	Lab	Tem VOC	Com peratu s Free	re Upo	n Re adsp	iceipt: ace?	3.	, C	<u>A</u>	-	Y
Relinquished by	5/28/	01	Time Received by: Date								Tim	3																			
Relinquished by:	Date		Tin	ne F	Receiv	red by	Test		Ž						0 5-19)ate • 09		0	Time 600	•											
				-	~~								_																		

NSE2473

ATTACHMENT A



NON-HAZARDOUS MANIFEST

print or type. (Form designed for use on elite (12-pitch) typewriter.) II. Generat	or's US EPA ID No.	Manifest				
NON-HAZARDOUS MANIFEST		ocument No.	2. Pag of 1	je 1		
ACAS, Beaufort Laurol Bay Housing Beaufort SC 20004 Generator's Phone 842 220 6400		·	B. State	Generator's ID	108	85471
Transporter 1 Company Name	6. US EPA ID Number	<u></u>	C. Stat	e Transporter's ID		
EEG. Inc.			D. Tran	sporter's Phone	13 879	-0411
Transporter 2 Company Name	8. US EPA ID Number	1 1 1	E. State	e Transporter's ID		· · · · · · · · · · · · · · · · · · ·
Designated Facility Name and Site Address	10. US EPA ID Number		G. Stat	e Facility's ID	•	
UNCLOUDY LINE & ADMOSTREE						
ROUTE 1, BOX 121		1 I I	H. Faci	lity's Phone	192 <i>autoro</i>	10 675
Description of Waste Materials		12. Con	ainers	13.	14	
• •	· · · · · · · · · · · · · · · · · · ·	No.	Туре	Quantity	Wt./Vol.	Misc. Comme
normig va lank redo wan sang				8.70		
WM Profile #	1026558C	0 0 1				
WM Profile #						
	2					
WM Profile #						
WM Profile #			і Пр			
Additional Debasistics for Manufall Listed Above	and the second		K. Di	sposal Location	I	
Auditorial Descriptions for Materials Listed Above	and the second					
Landfill Solidification			Cell		Lev	el
Bio Remediation			Grid			
5. Special Handling Instructions and Additional Information	242 C 1) 1041	TR	15,	- 1	·
3EA UST'S XC	our back in t	D 103:	2 Fe	sislas t		
×√/	EMERGENCY CONTACT	5/10	331	Poxslour		
GENERATOR'S CERTIFICATION		<u> </u>				
hereby certify that the above-described	materials are not hazardous	wastes a	is defi	ned by 40 C	FR Pa	rt 261 or anv
applicable state law, have been fully and	accurately described, classi	fied and p	acka	ged, and are	in pro	per condition
for transportation according to applicable	e regulations.					
Printed/Typed Name	Signature "On behalf of		1	<u> </u>		Month Day
Charles H. Herrm	1 Charles	Nid	when a			06020
Printed/Typed Name	Signature	~ *	<u></u>			Month Day
James Baldwind	James	Bold	Ju			PIGODIK
3. Transporter 2 Acknowledgement of Receipt of Materials	<u>v </u>					
Printed/Typed Name	Signature					Month Day
). Certificate of Final Treatment/Disposal					. <u> </u>	
I certify, on behalf of the above listed tre was managed in compliance with all app	atment facility, that to the be licable laws, regulations, per	st of my k mits and	nowle licens	dge, the abo es on the da	ve-des tes list	scribed waste ed above.
). Facitility Owner or Operator: Certification of receipt of non-	hazardous materials covered by this man	nifest.				
		X				

Appendix C Laboratory Analytical Report - Initial Groundwater



Volatile	Organic	Compounds	by	GC/MS
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Client: AECOM - Re	solution Consultants				Laboratory ID: OG25027-004								
Description: BEALB1033 ⁻	FW01WG20130724					Matrix: Aqueous							
Date Sampled: 07/24/2013 1	210												
Date Received: 07/25/2013													
Run Prep Method 1 5030B	Analytical Method 8260B	Dilution 1	Analysis E 08/02/2013	Date Analyst 3 1419 ALL	Prep [Date	Batch 26393						
Parameter			CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run		
Benzene			71-43-2	8260B	ND		0.50	0.25	0.027	ug/L	1		
Ethylbenzene			100-41-4	8260B	6.4		0.50	0.25	0.17	ug/L	1		
Naphthalene			91-20-3	8260B	36	В	0.50	0.25	0.12	ug/L	1		
Toluene			108-88-3	8260B	ND		0.50	0.25	0.17	ug/L	1		
Xylenes (total)		1	330-20-7	8260B	2.8		0.50	0.25	0.17	ug/L	1		
Surrogate	Q	Run 1 % Recov	Accepta ery Limi	ance ts									
1,2-Dichloroethane-d4		106	70-1	120									
Toluene-d8		96	85-1	120									
Bromofluorobenzene		110	75-1	120									
Dibromofluoromethane		100	85-1	115									

 PQL = Practical quantitation limit
 B = Detected in the method blank
 E = Quantitation of compound exceeded the calibration range
 H = Out of holding time
 Q = Surrogate failure

 ND = Not detected at or above the MDL
 J = Estimated result < PQL and >MDL
 P = The RPD between two GC columns exceeds 40%
 N = Recovery is out of criteria
 L = LCS/LCSD failure

 Where applicable, all soil sample analysis = reported on a dry weight basis unless flagged with a "W"
 S = MS/MSD failure

Shealy Environmental Services, Inc.106 Vantage Point DriveWest Columbia, SC 29172 (803) 791-9700Fax (803) 791-9111www.shealylab.com

Level 1 Report v2.1

Semivolatile	Organic	Compounds	bv	GC/MS
	e · g · · ·		·~)	

Client: AECOM - Res	solution Consultants	Laboratory ID: OG25027-004									
Description: BEALB1033T	W01WG20130724						Matr	ix: Aqueous			
Date Sampled: 07/24/2013 12	210										
Date Received: 07/25/2013											
Run Prep Method 2 3520C	Analytical Method 8270D	Dilution 1	Analysis D 07/30/2013	ate Analyst 1239 RBH	Prep E 07/29/20)ate)13 1434	Batch 26002				
Parameter			CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene			56-55-3	8270D	ND		0.22	0.11	0.089	ug/L	2
Benzo(b)fluoranthene			205-99-2	8270D	ND		0.22	0.11	0.095	ug/L	2
Benzo(k)fluoranthene			207-08-9	8270D	ND		0.22	0.11	0.10	ug/L	2
Chrysene			218-01-9	8270D	ND		0.22	0.11	0.059	ug/L	2
Dibenzo(a,h)anthracene			53-70-3	8270D	ND		0.22	0.11	0.063	ug/L	2
Surrogate	Q	Run 2 % Recov	2 Accepta ery Limit	nce s							
2-Fluorobiphenyl		88	50-1	10							
Nitrobenzene-d5		98	40-1	10							
Terphenyl-d14		56	50-1	35							

 PQL = Practical quantitation limit
 B = Detected in the method blank
 E = Quantitation of compound exceeded the calibration range
 H = Out of holding time
 Q = Surrogate failure

 ND = Not detected at or above the MDL
 J = Estimated result < PQL and >MDL
 P = The RPD between two GC columns exceeds 40%
 N = Recovery is out of criteria
 L = LCS/LCSD failure

 Where applicable, all soil sample analysis = reported on a dry weight basis unless flagged with a "W"
 S = MS/MSD failure

Shealy Environmental Services, Inc.106 Vantage Point DriveWest Columbia, SC 29172 (803) 791-9700Fax (803) 791-9111www.shealylab.com

Level 1 Report v2.1

Appendix D Laboratory Analytical Report – Permanent Well Groundwater



Volatile Organic Compounds by GC/MS

Description: BEALB1033MW01WG20151216

Laboratory ID: QL17067-006 Matrix: Aqueous

Date Sampled:12/16/2015 1010

Date Received: 12/17/2015											
RunPrep Method15030B	Analytical Method 8260B	Dilution	Analysi 12/24/20	i s Date Analyst)15 1336 JM1	Prep	Date	Batch 93010				
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene		71	-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene		100-	-41-4	8260B	0.51	U	5.0	0.51	0.21	ug/L	1
Naphthalene		91·	-20-3	8260B	1.1	J	5.0	0.96	0.14	ug/L	1
Toluene		108-	-88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)		1330	-20-7	8260B	0.57	U	5.0	0.57	0.32	ug/L	1
Surrogate	Q %	Run 1 Recovery	Acceptan Limit	ice S							
Bromofluorobenzene		103	75-120)							
1,2-Dichloroethane-d4		104	70-120)							
Toluene-d8		107	85-120)							
Dibromofluoromethane		107	85-115	5							

PQL = Practical quantitation limitB = Detected in the method blankE = Quantitation of compound exceeded the calibration rangeH = Out of holding timeQ = Surrogate failureND = Not detected at or above the MDLJ = Estimated result < PQL and \geq MDLP = The RPD between two GC columns exceeds 40%N = Recovery is out of criteriaL = LCS/LCSD failureWhere applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"S = MS/MSD failureS = MS/MSD failure

Client: AECOM - Resolution Consultants

Description: BEALB1033MW01WG20151216

Laboratory ID: QL17067-006

Date Sampled:12/16/2015 1010

Matrix: Aqueous

Date Received: 12/17/2015

RunPrepMethod13520C	Analytical Method Dilution 8270D (SIM) 1	on Analy 12/23/	vsis Date Analyst 2015 1837 DRB1	Prep 12/22/2	Date 015 16	Batch 05 92845				
Parameter	Ν	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units Ru	JIN
Benzo(a)anthracene	!	56-55-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L 1	ī –
Benzo(b)fluoranthene	20	05-99-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L 1	i i
Benzo(k)fluoranthene	20	07-08-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L 1	l –
Chrysene	21	18-01-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L 1	i i
Dibenzo(a,h)anthracene	:	53-70-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L 1	I.
Surrogate	Run 1 Q % Recove	Accept ry Lin	ance nits							
2-Methylnaphthalene-d10	76	15-1	39							_
Fluoranthene-d10	89	23-1	54							

PQL = Practical quantitation limitB = Detected in the method blankE = Quantitation of compound exceeded the calibration rangeH = Out of holding timeQ = Surrogate failureND = Not detected at or above the MDLJ = Estimated result < PQL and ≥ MDL</td>P = The RPD between two GC columns exceeds 40%N = Recovery is out of criteriaL = LCS/LCSD failureWhere applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"S = MS/MSD failureS = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants

Description: BEALB1033MW02WG20151216

Laboratory ID: QL17067-004 Matrix: Aqueous

Date Sampled:12/16/2015 0925

Date Received: 12/17/2015											
RunPrep Method15030B	Analytical Meth 8260	od Dilution	Analysi 12/24/20	s Date Analyst 15 1252 JM1	Prep	Date	Batch 93010				
Parameter		Nui	CAS mber	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene		71-	-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene		100-	41-4	8260B	0.51	U	5.0	0.51	0.21	ug/L	1
Naphthalene		91-	-20-3	8260B	0.96	U	5.0	0.96	0.14	ug/L	1
Toluene		108-	88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)		1330-	-20-7	8260B	0.57	U	5.0	0.57	0.32	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptan Limit	ice s							
Bromofluorobenzene		101	75-120)							
1,2-Dichloroethane-d4		107	70-120)							
Toluene-d8		106	85-120)							
Dibromofluoromethane		105	85-115	5							

PQL = Practical quantitation limitB = Detected in the method blankE = Quantitation of compound exceeded the calibration rangeH = Out of holding timeQ = Surrogate failureND = Not detected at or above the MDLJ = Estimated result < PQL and \geq MDLP = The RPD between two GC columns exceeds 40%N = Recovery is out of criteriaL = LCS/LCSD failureWhere applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"S = MS/MSD failure

Client: AECOM - Resolution Consultants

Description: BEALB1033MW02WG20151216

Laboratory ID: QL17067-004

Date Sampled:12/16/2015 0925

Matrix: Aqueous

Date Received: 12/17/2015

RunPrepMethod13520C	Analytical Method 8270D (SIM)	Dilution	Analy 12/23/2	sis Date Analyst 2015 1743 DRB1	Prep 12/22/2	Date 015 16	Batch 05 92845				
Parameter		C. Numt	AS ber	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene		56-55	5-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(b)fluoranthene		205-99	9-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(k)fluoranthene		207-08	3-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L	1
Chrysene		218-01	1-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L	1
Dibenzo(a,h)anthracene		53-70	0-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L	1
Surrogate	Q % F	Run 1 A Recovery	ccepta Lim	ance nits							
2-Methylnaphthalene-d10		73	15-1	39							
Fluoranthene-d10		92	23-1	54							

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure ND = Not detected at or above the MDL $J = Estimated result < PQL and <math>\ge MDL$ $\mathsf{P}=\mathsf{The}\;\mathsf{RPD}$ between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure S = MS/MSD failure Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Description: BEALB1033MW03WG20151216

Laboratory ID: QL17067-009 Matrix: Aqueous

Date Sampled:12/16/2015 1115

Date Received: 12/17/2015											
RunPrep Method15030B	Analytical Metho 8260	od Dilution	Analysi 12/24/20	s Date Analyst 015 1442 JM1	Prep	Date	Batch 93010				
Parameter		Nu	CAS mber	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene		71	-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene		100	-41-4	8260B	0.51	U	5.0	0.51	0.21	ug/L	1
Naphthalene		91	-20-3	8260B	0.30	J	5.0	0.96	0.14	ug/L	1
Toluene		108	-88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)		1330	-20-7	8260B	0.57	U	5.0	0.57	0.32	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptan Limit	ice s							
Bromofluorobenzene		102	75-120)							
1,2-Dichloroethane-d4		103	70-120)							
Toluene-d8		108	85-120)							
Dibromofluoromethane		106	85-115	5							

PQL = Practical quantitation limitB = Detected in the method blankE = Quantitation of compound exceeded the calibration rangeH = Out of holding timeQ = Surrogate failureND = Not detected at or above the MDLJ = Estimated result < PQL and ≥ MDL</td>P = The RPD between two GC columns exceeds 40%N = Recovery is out of criteriaL = LCS/LCSD failureWhere applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"S = MS/MSD failureS = MS/MSD failure

Client: AECOM - Resolution Consultants

Description: BEALB1033MW03WG20151216

Laboratory ID: QL17067-009

Date Sampled:12/16/2015 1115

Matrix: Aqueous

Date Received: 12/17/2015

RunPrepMethod13520C	Analytical Method Dil 8270D (SIM)	Iution Analy 1 12/23/	sis Date Analyst 2015 1959 DRB1	Prep Date 12/22/2015 1	Batch 605 92845			
Parameter		CAS Number	Analytical Method	Result Q	LOQ	LOD	DL	Units Run
Benzo(a)anthracene		56-55-3	8270D (SIM)	0.040 U	0.20	0.040	0.019	ug/L 1
Benzo(b)fluoranthene		205-99-2	8270D (SIM)	0.040 U	0.20	0.040	0.019	ug/L 1
Benzo(k)fluoranthene		207-08-9	8270D (SIM)	0.040 U	0.20	0.040	0.024	ug/L 1
Chrysene		218-01-9	8270D (SIM)	0.040 U	0.20	0.040	0.021	ug/L 1
Dibenzo(a,h)anthracene		53-70-3	8270D (SIM)	0.080 U	0.20	0.080	0.040	ug/L 1
Surrogate	Rui Q % Rec	n 1 Accept overy Lin	ance nits					
2-Methylnaphthalene-d10	8	31 15-1	39					
Fluoranthene-d10	9	9 23-1	54					

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure ND = Not detected at or above the MDL $J = Estimated result < PQL and <math>\ge MDL$ $\mathsf{P}=\mathsf{The}\;\mathsf{RPD}$ between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Description: BEALB1033MW04WG20151215

Laboratory ID: QL16007-021 Matrix: Aqueous

Date Sampled:12/15/2015 1455

Date Received: 12/16/2015											
RunPrep Method15030B	Analytical Meth 826	od Dilution	Analys 12/24/2	is Date Analyst 015 1125 JM1	Prep	Date	Batch 93010				
Parameter		Nı	CAS umber	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene		71	1-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene		100)-41-4	8260B	0.51	U	5.0	0.51	0.21	ug/L	1
Naphthalene		9 1	-20-3	8260B	0.71	J	5.0	0.96	0.14	ug/L	1
Toluene		108	8-88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)		1330)-20-7	8260B	0.57	U	5.0	0.57	0.32	ug/L	1
Surrogate	Q	Run 1 % Recovery	Accepta / Limi	nce ts							
Bromofluorobenzene		102	75-12	0							
1,2-Dichloroethane-d4		104	70-12	0							
Toluene-d8		107	85-12	0							
Dibromofluoromethane		104	85-11	5							

PQL = Practical quantitation limitB = Detected in the method blankE = Quantitation of compound exceeded the calibration rangeH = Out of holding timeQ = Surrogate failureND = Not detected at or above the MDLJ = Estimated result < PQL and \geq MDLP = The RPD between two GC columns exceeds 40%N = Recovery is out of criteriaL = LCS/LCSD failureWhere applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"S = MS/MSD failureS = MS/MSD failure

Client: AECOM - Resolution Consultants

Description: BEALB1033MW04WG20151215

Laboratory ID: QL16007-021

Date Sampled:12/15/2015 1455

Matrix: Aqueous

Date Received: 12/16/2015

RunPrep Method13520C	Analytical Method 8270D (SIM)	Dilution Anal	ysis Date Analyst /2015 1820 RBH	Prep 12/20/2	Date 015 19	Batch 10 92636			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units Run
Benzo(a)anthracene		56-55-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L 1
Benzo(b)fluoranthene		205-99-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L 1
Benzo(k)fluoranthene		207-08-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L 1
Chrysene		218-01-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L 1
Dibenzo(a,h)anthracene		53-70-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L 1
Surrogate	Q % F	Run 1 Accep Recovery Lii	tance mits						
2-Methylnaphthalene-d10		76 15-	139						
Fluoranthene-d10		84 23-	154						

PQL = Practical quantitation limitB = Detected in the method blankE = Quantitation of compound exceeded the calibration rangeH = Out of holding timeQ = Surrogate failureND = Not detected at or above the MDLJ = Estimated result < PQL and \geq MDLP = The RPD between two GC columns exceeds 40%N = Recovery is out of criteriaL = LCS/LCSD failureWhere applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"S = MS/MSD failure

Appendix E Regulatory Correspondence





C. Earl Hunter, Commissioner Promoting and protecting the health of the public and the environment.

August 19, 2009

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

Re: MCAS – Laurel Bay Housing – 1033 Foxglove St. Site ID # 04255 UST Closure Reports received August 17, 2009 Beaufort County

Dear Mr. Ehde:

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

Additional assessment activities are required for this site. Specifically the Department requests that a groundwater sample be collected from this site. Please note, the Department approved a groundwater-sampling proposal for Laurel Bay submitted by MCAS under separate cover dated 16 June 2008.

Should you have any questions, please contact me at 803-896-4179 (office phone), 803-896-6245 (fax) or cookejt@dhec.sc.gov.

Sincerely,

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

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



Catherine E. Heigel, Director Promoting and protecting the health of the public and the environment

> Division of Waste Management Bureau of Land and Waste Management

August 6, 2015

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

RE: Approval Response to Comments and Concurrence with Final Initial Groundwater Investigation Report-July 2013 Laurel Bay Military Housing Area Multiple Properties Dated June 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the addresses attached. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 10 stated addresses. For the remaining 25 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

FIRT

Laurel Petrus RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

Cc: Russell Berry, EQC Region 8 (via email) Shawn Dolan, Resolution Consultants (via email) Bryan Beck, NAVFAC MIDATLANTIC (via email) Craig Ehde (via email)
Attachment to: Petrus to Drawdy Subject: Draft Final Initial Groundwater Investigation Report-July 2013 Specifice Property Recommendations Dated August 6, 2015

Draft Final Initial Groundwater Investigation Report for (35 addresses/38 tanks)

Permanent Monitoring Well Investigation recommendation (10 addresses/11 tanks)		
119 Banyan	156 Laurel Bay	
128 Banyan	1033 Foxglove	
132 Banyan	1055 Gardenia	
135 Birch	1059 Gardenia	
148 Laurel Bay	1168 Jasmine	
No Furt	ner Action recommendation (25 addresses/27 tanks):	
115 Banyan	386 Acorn	
116 Banyan	395 Acorn	
120 Banyan	399 Acorn	
124 Banyan	1021 Foxglove	
125 Banyan	1027 Foxglove	
136 Birch	1030 Foxglove	
140 Laurel Bay	1032 Foxglove	
144 Laurel Bay	1053 Gardenia	
152 Laurel Bay	1058 Gardenia	
160 Cypress	1061 Gardenia	
263 Beech	1166 Jasmine	
269 Birch	1169 Jasmine	



July 21, 2016

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

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data from permanent monitoring well installations in the Draft Final Groundwater Assessment Report November and December 2015, Laurel Bay Military Housing Area for the addresses shown in the attachment. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, groundwater monitoring should begin at the eight stated addresses. For the remaining two addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

LIRT

Laurel Petrus, Environmental Engineer Associate Bureau of Land and Waste Management

Attachment: Specific Property Recommendations

Cc: Russell Berry, EQC Region 8 Shawn Dolan, Resolution Consultants Bryan Beck, NAVFAC MIDATLANTIC Attachment to: Petrus to Drawdy Subject: Draft Final Groundwater Assment Report-November and December 2015 Specific Property Recommendations Dated July 21, 2016

Draft Final Initial Groundwater Assessment Report for (10 addresses)

Groundwater Monitoring recomment		
119 Banyan Drive	148 Laurel Bay Blvd	
128 Banyan Drive	156 Laurel Bay Blvd	
132 Banyan Drive	1055 Gardenia Drive	
135 Birch Drive	1059 Gardenia Drive	
No Further Action recommendation	(2 addresses):	
1033 Foxglove Street	1168 Jasmine Street	