

SUMMARY REPORT
426 BLUE BELL LANE (FORMERLY 747 BLUE BELL LANE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



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

JUNE 2021

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Prepared by:



CDM - AECOM Multimedia Joint Venture
10560 Arrowhead Drive, Suite 500
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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
CTO	Contract Task Order
COPC	constituents of potential concern
ft	feet
IDIQ	Indefinite Delivery, Indefinite Quantity
IGWA	Initial Groundwater Assessment
JV	Joint Venture
LBMH	Laurel Bay Military Housing
MCAS	Marine Corps Air Station
NAVFAC Mid-Lant	Naval Facilities Engineering Command Mid-Atlantic
NFA	No Further Action
PAH	polynuclear aromatic hydrocarbon
QAPP	Quality Assurance Program Plan
RBSL	risk-based screening level
SCDHEC	South Carolina Department of Health and Environmental Control
Site	LBMH area at MCAS Beaufort, South Carolina
UST	underground storage tank
VISL	vapor intrusion screening level

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 426 Blue Bell Lane (Formerly 747 Blue Bell Lane). 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 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 426 Blue Bell Lane (Formerly 747 Blue Bell Lane). The sampling activities at 426 Blue Bell Lane (Formerly 747 Blue Bell Lane) comprised a soil investigation, IGWA sampling and installation and sampling of a permanent well. Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 747 Blue Bell Lane* (MCAS Beaufort, 2011) and the *SCDHEC UST Assessment Report – 747 Blue Bell Lane* (MCAS Beaufort, 2013). The UST Assessment Reports are provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016). The laboratory report that includes the pertinent IGWA

analytical results for this site is presented in Appendix C. Details regarding the permanent well installation and sampling activities at this site are provided in the *Groundwater Assessment Report – March and April 2017* (Resolution Consultants, 2017). 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

In June 2011 and May 2013, three 280 gallon heating oil USTs were removed from the front area at 426 Blue Bell Lane (Formerly 747 Blue Bell Lane). Tank 1 was removed on June 30, 2011. Tank 2 and Tank 3 were removed on May 9, 2013. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). The USTs were removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removals. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 4'4" (Tank 1), 5'7" (Tank 2) and 3'10" (Tank 3) bgs and a single soil sample was collected for each from that depth. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removals, a soil sample was collected from the bases of the excavations 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 reports are included in the UST Assessment Reports presented in Appendix B. The laboratory analytical data reports includes the soil results for the additional PAHs that were analyzed, but do not have associated RBSLs.

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1, 2, and 3) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from the former UST locations (Tanks 1, 2, and 3) at 426 Blue Bell Lane (Formerly 747 Blue Bell Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated July 1, 2015, SCDHEC requested an IGWA for 426 Blue Bell Lane

(Formerly 747 Blue Bell Lane) 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 November 17, 2015, a temporary monitoring well was installed at 426 Blue Bell Lane (Formerly 747 Blue Bell Lane), 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 USTs (Tanks 1, 2 and 3). The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). Further details are provided in the *Initial Groundwater Investigation 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 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 – November and December 2015* (Resolution Consultants, 2016).

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 426 Blue Bell Lane (Formerly 747 Blue Bell Lane) were greater than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated further investigation was required. In a letter dated June 8, 2016, SCDHEC requested a permanent well be installed for 426 Blue Bell Lane (Formerly 747 Blue Bell Lane) 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

On March 14, 2017, a permanent monitoring well was installed at 426 Blue Bell Lane (Formerly 747 Blue Bell Lane), 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 USTs (Tanks 1, 2 and 3) and the IGWA sample location. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). Further details are provided in the *Groundwater Assessment Report – March and April 2017* (Resolution Consultants, 2017).

The sampling strategy for this phase of the investigation required a one-time sampling event of the permanent 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. Field forms are provided in the *Groundwater Assessment Report – March and April 2017* (Resolution Consultants, 2017).

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 426 Blue Bell Lane (Formerly 747 Blue Bell Lane) 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 (Tanks 1, 2 and 3) 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 well, SCDHEC made the determination that NFA was required for 426 Blue Bell Lane (Formerly 747 Blue Bell Lane). This NFA determination was obtained in a letter dated December 11, 2017. SCDHEC's NFA letter is provided in Appendix E.

4.0 REFERENCES

- Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 747 Blue Bell Lane, Laurel Bay Military Housing Area*, December 2011.
- Marine Corps Air Station Beaufort, 2013. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 747 Blue Bell Lane, Laurel Bay Military Housing Area*, October 2013.
- Resolution Consultants, 2016. *Initial Groundwater Investigation Report – November and December 2015 for Laurel Bay Military Housing Area, Multiple Properties, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, April 2016.
- Resolution Consultants, 2017. *Groundwater Assessment Report – March and April 2017 for Laurel Bay Military Housing Area, Multiple Properties, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, August 2017.
- 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.67-71, Well Standards*, June 2016.

Tables

Table 1
Laboratory Analytical Results - Soil
426 Blue Bell Lane (Formerly 747 Blue Bell Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Samples Collected 06/30/11 and 05/09/13		
		747 Bluebell 06/30/2011	747 Bluebell-1 05/09/13	747 Bluebell-2 05/09/13
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)				
Benzene	0.003	ND	0.00314	0.00324
Ethylbenzene	1.15	0.409	0.108	1.19
Naphthalene	0.036	11.7	37.7	19.0
Toluene	0.627	0.00178	0.00238	0.00499
Xylenes, Total	13.01	0.137	0.0364	1.19
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)				
Benzo(a)anthracene	0.66	ND	0.164	ND
Benzo(b)fluoranthene	0.66	ND	0.126	ND
Benzo(k)fluoranthene	0.66	ND	0.0525	ND
Chrysene	0.66	ND	0.138	ND
Dibenz(a,h)anthracene	0.66	ND	ND	ND

Notes:

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

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
426 Blue Bell Lane (Formerly 747 Blue Bell Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 11/17/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	1.3
Naphthalene	25	29.33	31
Toluene	1000	105,445	0.47
Xylenes, Total	10,000	2,133	0.80
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (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 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 1×10^{-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
426 Blue Bell Lane (Formerly 747 Blue Bell Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 03/23/17
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	2.1
Naphthalene	25	29.33	22
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	0.70
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (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 3.1 (SCDHEC, February 2016).

⁽²⁾ Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of 1×10^{-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.

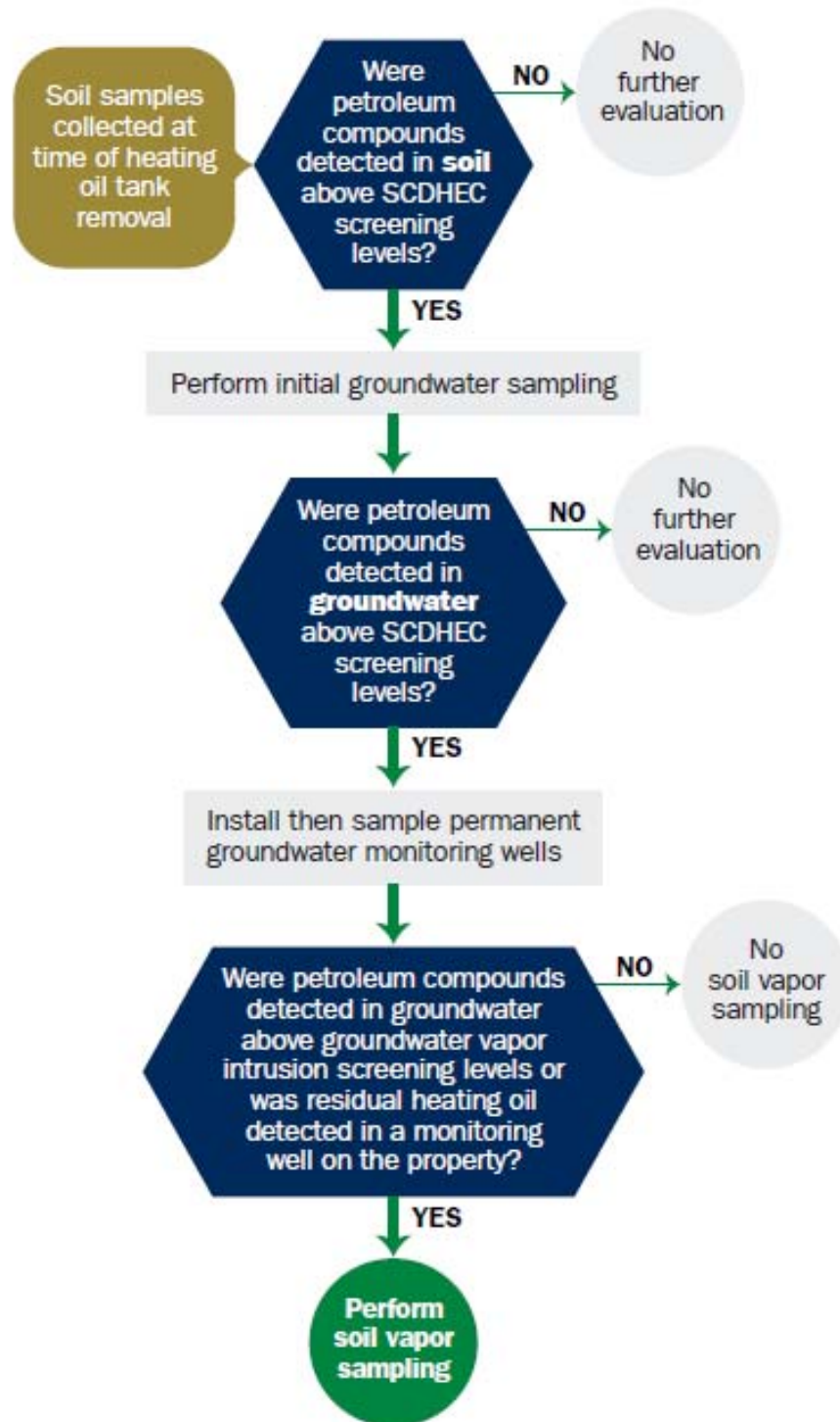
RBSL - Risk-Based Screening Level

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 Reports

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

Date Received

State Use Only

Submit Completed Form To:

UST Program

SCDHEC

2600 Bull Street

Columbia, South Carolina 29201

Telephone (803) 896-7957

RECEIVED

DEC 08 2011

SC DHEC - Bureau of
Land & Waste Management

I. OWNERSHIP OF UST (S)

MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde)

Owner Name (Corporation, Individual, Public Agency, Other)

P.O. Box 55001

Mailing Address

Beaufort,

South Carolina

29904-5001

City

State

Zip Code

843

228-7317

Craig Ehde

Area Code

Telephone Number

Contact Person

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #

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

747 Bluebell Lane, Laurel Bay Military Housing Area

Street Address or State Road (as applicable)

Beaufort,

Beaufort

City

County

III. INSURANCE INFORMATION

Insurance Statement

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

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES** ____ **NO** ____ (check one)

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

My policy provider is: _____

The policy deductible is: _____

The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

Notary Public for the state of _____.

Please affix State seal if you are commissioned outside South Carolina

VI. UST INFORMATION

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

747Bluebell		
Heating oil		
280 gal		
Late 1950s		
Steel		
Mid 80s		
4'4"		
No		
No		
Removed		
6/30/11		
Yes		
Yes		

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 747Bluebell was removed from the ground, cleaned and recycled.
See Attachment "A".
-
- N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Contaminated water was pumped from UST 747Bluebell and disposed
by MCAS.
-
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were present throughout the tank.
-

VII. PIPING INFORMATION

A. Construction Material..(ex. Steel, FRP).....

B. Distance from UST to Dispenser.....

C. Number of Dispensers.....

D. Type of System Pressure or Suction.....

E. Was Piping Removed from the Ground? Y/N

F. Visible Corrosion or Pitting Y/N.....

G. Visible Holes Y/N.....

H. Age.....

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

747Bluebell		
Steel & Copper		
N/A		
N/A		
Suction		
Yes		
Yes		
No		
Late 1950s		

Steel vent piping for UST 747Bluebell was corroded and pitted,
but the copper supply and return piping was 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
<p>A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p>		X	
<p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p>		X	
<p>C. Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p>		X	
<p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p>		X	
<p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p>		X	

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
747 Bluebell	Excav at fill end	Soil	Sandy	4'4"	6/30/11 1115 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

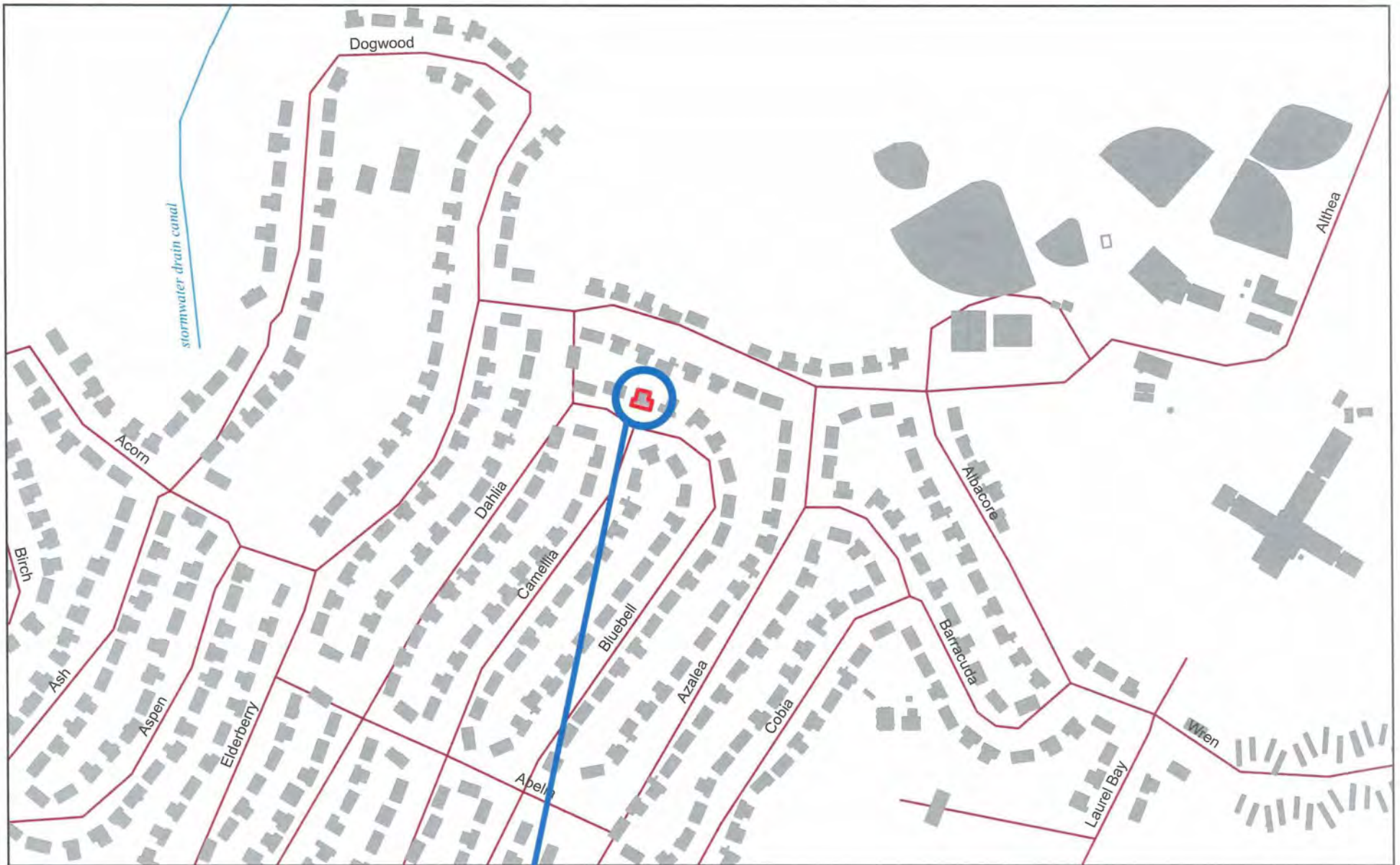
XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~560' stormwater canal</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	*X	
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		X
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>		X
<p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water, electricity, cable & fiber optic</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	*X	
<p>E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>		X

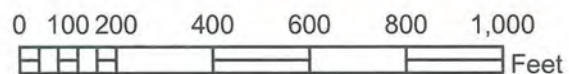
XIII. SITE MAP

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

(Attach Site Map Here)



747 BLUEBELL LN.



SBG-EEG, Inc.

398 E. 5th North Street, Suite C
Summerville SC 29483-6954

Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: JULY 2011

FIGURE 1: LOCATION MAP
747 BLUEBELL LANE
LAUREL BAY, BEAUFORT SC



← STORMWATER CANAL ≈ 560'

747 BLUEBELL LN.
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC

UST 747BLUEBELL



SBG-EEG

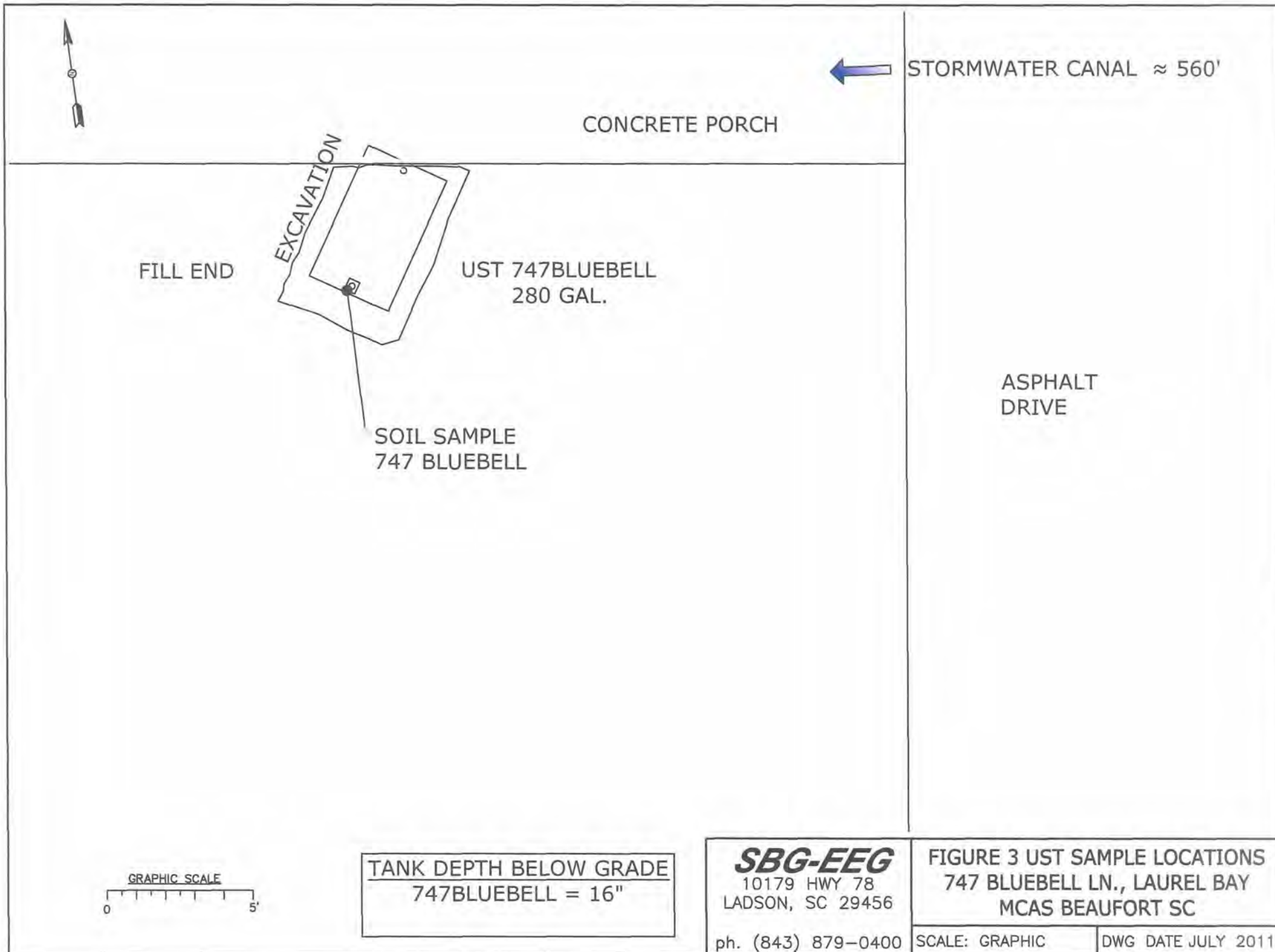
10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
747 BLUEBELL LN., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE JULY 2011





Picture 1: Location of UST 747Bluebell.



Picture 2: UST 747Bluebell.

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	747Bluebell					
Benzene		ND					
Toluene		0.00178 mg/kg					
Ethylbenzene		0.409 mg/kg					
Xylenes		0.137 mg/kg					
Naphthalene		11.7 mg/kg					
Benzo (a) anthracene		ND					
Benzo (b) fluoranthene		ND					
Benzo (k) fluoranthene		ND					
Chrysene		ND					
Dibenz (a, h) anthracene		ND					
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville

2960 Foster Creighton Road

Nashville, TN 37204

Tel: 800-765-0980

TestAmerica Job ID: NUG0346

Client Project/Site: [none]

Client Project Description: Laurel Bay Housing Project

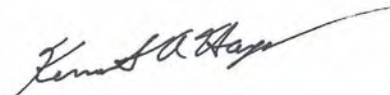
For:

EEG - Small Business Group, Inc. (2449)

10179 Highway 78

Ladson, SC 29456

Attn: Tom McElwee



Authorized for release by:

07/19/2011 02:28:15 PM

Ken A. Hayes

Senior Project Manager

ken.hayes@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Sample Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUG0346-01	308 Ash	Soil	06/27/11 13:15	07/02/11 08:30
NUG0346-02	318 Ash	Soil	06/28/11 12:15	07/02/11 08:30
NUG0346-03	321 Ash	Soil	06/29/11 12:45	07/02/11 08:30
NUG0346-04	747 Bluebell	Soil	06/30/11 11:15	07/02/11 08:30

Definitions/Glossary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

GCMS Semivolatiles

Qualifier	Qualifier Description
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☆	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 308 Ash

Lab Sample ID: NUG0346-01

Date Collected: 06/27/11 13:15

Matrix: Soil

Date Received: 07/02/11 08:30

Percent Solids: 77.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00238	0.00131	mg/kg dry	☼	06/27/11 13:15	07/06/11 18:21	1.00
Ethylbenzene	ND		0.00238	0.00117	mg/kg dry	☼	06/27/11 13:15	07/06/11 18:21	1.00
Naphthalene	0.0104		0.00595	0.00202	mg/kg dry	☼	06/27/11 13:15	07/06/11 18:21	1.00
Toluene	ND		0.00238	0.00106	mg/kg dry	☼	06/27/11 13:15	07/06/11 18:21	1.00
Xylenes, total	ND		0.00595	0.00226	mg/kg dry	☼	06/27/11 13:15	07/06/11 18:21	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		67 - 138	06/27/11 13:15	07/06/11 18:21	1.00
Dibromofluoromethane	99		75 - 125	06/27/11 13:15	07/06/11 18:21	1.00
Toluene-d8	96		76 - 129	06/27/11 13:15	07/06/11 18:21	1.00
4-Bromofluorobenzene	100		67 - 147	06/27/11 13:15	07/06/11 18:21	1.00

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0843	0.0176	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Acenaphthylene	ND		0.0843	0.0252	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Anthracene	ND		0.0843	0.0113	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Benzo (a) anthracene	ND		0.0843	0.0138	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Benzo (a) pyrene	ND		0.0843	0.0101	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Benzo (b) fluoranthene	ND		0.0843	0.0478	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Benzo (g,h,i) perylene	ND		0.0843	0.0113	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Benzo (k) fluoranthene	ND		0.0843	0.0466	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Chrysene	ND		0.0843	0.0390	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Dibenz (a,h) anthracene	ND		0.0843	0.0189	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Fluoranthene	ND		0.0843	0.0138	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Fluorene	ND		0.0843	0.0252	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0843	0.0390	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Naphthalene	ND		0.0843	0.0176	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Phenanthrene	ND		0.0843	0.0126	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
Pyrene	ND		0.0843	0.0289	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
1-Methylnaphthalene	ND		0.0843	0.0151	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00
2-Methylnaphthalene	ND		0.0843	0.0264	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:31	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	76		18 - 120	07/05/11 13:00	07/06/11 06:31	1.00
2-Fluorobiphenyl	56		14 - 120	07/05/11 13:00	07/06/11 06:31	1.00
Nitrobenzene-d5	53		17 - 120	07/05/11 13:00	07/06/11 06:31	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	77.8		0.500	0.500	%		07/13/11 15:38	07/14/11 12:26	1.00

Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 318 Ash

Date Collected: 06/28/11 12:15

Date Received: 07/02/11 08:30

Lab Sample ID: NUG0346-02

Matrix: Soil

Percent Solids: 83.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00203	0.00112	mg/kg dry	☼	06/28/11 12:15	07/06/11 18:53	1.00
Ethylbenzene	0.0132		0.00203	0.000994	mg/kg dry	☼	06/28/11 12:15	07/06/11 18:53	1.00
Naphthalene	0.0140		0.00507	0.00172	mg/kg dry	☼	06/28/11 12:15	07/06/11 18:53	1.00
Toluene	0.00122	J	0.00203	0.000902	mg/kg dry	☼	06/28/11 12:15	07/06/11 18:53	1.00
Xylenes, total	0.0120		0.00507	0.00193	mg/kg dry	☼	06/28/11 12:15	07/06/11 18:53	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	84		67 - 138				06/28/11 12:15	07/06/11 18:53	1.00
Dibromofluoromethane	92		75 - 125				06/28/11 12:15	07/06/11 18:53	1.00
Toluene-d8	112		76 - 129				06/28/11 12:15	07/06/11 18:53	1.00
4-Bromofluorobenzene	328	ZX	67 - 147				06/28/11 12:15	07/06/11 18:53	1.00

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0794	0.0166	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Acenaphthylene	ND		0.0794	0.0237	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Anthracene	0.421		0.0794	0.0107	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Benzo (a) anthracene	0.0581	J	0.0794	0.0130	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Benzo (a) pyrene	ND		0.0794	0.00948	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Benzo (b) fluoranthene	ND		0.0794	0.0450	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Benzo (g,h,i) perylene	ND		0.0794	0.0107	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Benzo (k) fluoranthene	ND		0.0794	0.0439	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Chrysene	0.0834		0.0794	0.0367	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Dibenz (a,h) anthracene	ND		0.0794	0.0178	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Fluoranthene	0.181		0.0794	0.0130	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Fluorene	1.41		0.0794	0.0237	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0794	0.0367	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Naphthalene	0.157		0.0794	0.0166	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Phenanthrene	3.46		0.0794	0.0119	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Pyrene	0.449		0.0794	0.0273	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
1-Methylnaphthalene	0.707		0.0794	0.0142	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
2-Methylnaphthalene	0.810		0.0794	0.0249	mg/kg dry	☼	07/05/11 13:00	07/06/11 06:51	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	87		18 - 120				07/05/11 13:00	07/06/11 06:51	1.00
2-Fluorobiphenyl	57		14 - 120				07/05/11 13:00	07/06/11 06:51	1.00
Nitrobenzene-d5	54		17 - 120				07/05/11 13:00	07/06/11 06:51	1.00

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	83.9		0.500	0.500	%		07/13/11 15:38	07/14/11 12:26	1.00

Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 321 Ash

Date Collected: 06/29/11 12:45

Date Received: 07/02/11 08:30

Lab Sample ID: NUG0346-03

Matrix: Soil

Percent Solids: 79.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00243	0.00134	mg/kg dry	☐	06/29/11 12:45	07/06/11 19:25	1.00
Ethylbenzene	0.0620		0.00243	0.00119	mg/kg dry	☐	06/29/11 12:45	07/06/11 19:25	1.00
Toluene	ND		0.00243	0.00108	mg/kg dry	☐	06/29/11 12:45	07/06/11 19:25	1.00
Xylenes, total	0.0283		0.00608	0.00231	mg/kg dry	☐	06/29/11 12:45	07/06/11 19:25	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	75		67 - 138				06/29/11 12:45	07/06/11 19:25	1.00
Dibromofluoromethane	78		75 - 125				06/29/11 12:45	07/06/11 19:25	1.00
Toluene-d8	130	ZX	76 - 129				06/29/11 12:45	07/06/11 19:25	1.00
4-Bromofluorobenzene	574	ZX	67 - 147				06/29/11 12:45	07/06/11 19:25	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	4.12		0.317	0.108	mg/kg dry	☐	06/29/11 12:45	07/12/11 15:42	50.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	119		67 - 138				06/29/11 12:45	07/12/11 15:42	50.0
Dibromofluoromethane	95		75 - 125				06/29/11 12:45	07/12/11 15:42	50.0
Toluene-d8	99		76 - 129				06/29/11 12:45	07/12/11 15:42	50.0
4-Bromofluorobenzene	106		67 - 147				06/29/11 12:45	07/12/11 15:42	50.0

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.406		0.0820	0.0171	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Acenaphthylene	ND		0.0820	0.0245	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Anthracene	0.213		0.0820	0.0110	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Benzo (a) anthracene	0.120		0.0820	0.0135	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Benzo (a) pyrene	0.0579	J	0.0820	0.00979	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Benzo (b) fluoranthene	0.0837		0.0820	0.0465	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Benzo (g,h,i) perylene	ND		0.0820	0.0110	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Benzo (k) fluoranthene	0.0453	J	0.0820	0.0453	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Chrysene	0.128		0.0820	0.0380	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Dibenz (a,h) anthracene	ND		0.0820	0.0184	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Fluoranthene	0.311		0.0820	0.0135	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Fluorene	1.33		0.0820	0.0245	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0820	0.0380	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Naphthalene	0.670		0.0820	0.0171	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Phenanthrene	3.17		0.0820	0.0122	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Pyrene	0.468		0.0820	0.0282	mg/kg dry	☐	07/05/11 13:00	07/06/11 07:11	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	93		18 - 120				07/05/11 13:00	07/06/11 07:11	1.00
2-Fluorobiphenyl	55		14 - 120				07/05/11 13:00	07/06/11 07:11	1.00
Nitrobenzene-d5	60		17 - 120				07/05/11 13:00	07/06/11 07:11	1.00

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	4.21		0.410	0.0735	mg/kg dry	☐	07/05/11 13:00	07/06/11 10:53	5.00
2-Methylnaphthalene	8.14		0.410	0.129	mg/kg dry	☐	07/05/11 13:00	07/06/11 10:53	5.00

Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 321 Ash

Date Collected: 06/29/11 12:45

Date Received: 07/02/11 08:30

Lab Sample ID: NUG0346-03

Matrix: Soil

Percent Solids: 79.8

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	79.8		0.500	0.500	%		07/13/11 15:38	07/14/11 12:26	1.00

Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 747 Bluebell

Lab Sample ID: NUG0346-04

Date Collected: 06/30/11 11:15

Matrix: Soil

Date Received: 07/02/11 08:30

Percent Solids: 75.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00218	0.00120	mg/kg dry	☼	06/30/11 11:15	07/06/11 19:57	1.00
Toluene	0.00178	J	0.00218	0.000972	mg/kg dry	☼	06/30/11 11:15	07/06/11 19:57	1.00
Xylenes, total	0.137		0.00546	0.00208	mg/kg dry	☼	06/30/11 11:15	07/06/11 19:57	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	80		67 - 138				06/30/11 11:15	07/06/11 19:57	1.00
Dibromofluoromethane	85		75 - 125				06/30/11 11:15	07/06/11 19:57	1.00
Toluene-d8	150	ZX	76 - 129				06/30/11 11:15	07/06/11 19:57	1.00
4-Bromofluorobenzene	260	ZX	67 - 147				06/30/11 11:15	07/06/11 19:57	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.409		0.113	0.0552	mg/kg dry	☼	06/30/11 11:15	07/12/11 15:14	50.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	122		67 - 138				06/30/11 11:15	07/12/11 15:14	50.0
Dibromofluoromethane	95		75 - 125				06/30/11 11:15	07/12/11 15:14	50.0
Toluene-d8	98		76 - 129				06/30/11 11:15	07/12/11 15:14	50.0
4-Bromofluorobenzene	109		67 - 147				06/30/11 11:15	07/12/11 15:14	50.0

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	11.7		0.563	0.191	mg/kg dry	☼	06/30/11 11:15	07/14/11 01:25	100
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		67 - 138				06/30/11 11:15	07/14/11 01:25	100
Dibromofluoromethane	94		75 - 125				06/30/11 11:15	07/14/11 01:25	100
Toluene-d8	67	ZX	76 - 129				06/30/11 11:15	07/14/11 01:25	100
4-Bromofluorobenzene	107		67 - 147				06/30/11 11:15	07/14/11 01:25	100

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.93		0.869	0.182	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Acenaphthylene	1.07		0.869	0.259	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Anthracene	0.847	J	0.869	0.117	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Benzo (a) anthracene	ND		0.869	0.143	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Benzo (a) pyrene	ND		0.869	0.104	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Benzo (b) fluoranthene	ND		0.869	0.493	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Benzo (g,h,i) perylene	ND		0.869	0.117	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Benzo (k) fluoranthene	ND		0.869	0.480	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Chrysene	ND		0.869	0.402	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Dibenz (a,h) anthracene	ND		0.869	0.195	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Fluoranthene	ND		0.869	0.143	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Fluorene	6.52		0.869	0.259	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Indeno (1,2,3-cd) pyrene	ND		0.869	0.402	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Naphthalene	8.48		0.869	0.182	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Phenanthrene	10.8		0.869	0.130	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
Pyrene	0.636	J	0.869	0.298	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0
1-Methylnaphthalene	27.1		0.869	0.156	mg/kg dry	☼	07/05/11 13:00	07/06/11 11:13	10.0

TestAmerica Nashville

Client Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 747 Bluebell

Lab Sample ID: NUG0346-04

Date Collected: 06/30/11 11:15

Matrix: Soil

Date Received: 07/02/11 08:30

Percent Solids: 75.3

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	88		18 - 120	07/05/11 13:00	07/06/11 11:13	10.0
2-Fluorobiphenyl	63		14 - 120	07/05/11 13:00	07/06/11 11:13	10.0
Nitrobenzene-d5	100		17 - 120	07/05/11 13:00	07/06/11 11:13	10.0

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	48.5		1.74	0.545	mg/kg dry	☼	07/05/11 13:00	07/06/11 12:01	20.0

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	75.3		0.500	0.500	%		07/13/11 15:38	07/14/11 12:26	1.00

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11G0464-BLK1

Matrix: Soil

Analysis Batch: U012052

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G0464_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		07/06/11 11:37	07/06/11 14:36	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		07/06/11 11:37	07/06/11 14:36	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		07/06/11 11:37	07/06/11 14:36	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		07/06/11 11:37	07/06/11 14:36	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		07/06/11 11:37	07/06/11 14:36	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	93		67 - 138	07/06/11 11:37	07/06/11 14:36	1.00
Dibromofluoromethane	102		75 - 125	07/06/11 11:37	07/06/11 14:36	1.00
Toluene-d8	93		76 - 129	07/06/11 11:37	07/06/11 14:36	1.00
4-Bromofluorobenzene	98		67 - 147	07/06/11 11:37	07/06/11 14:36	1.00

Lab Sample ID: 11G0464-BS1

Matrix: Soil

Analysis Batch: U012052

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G0464_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	53.6		ug/kg		107	78 - 126
Ethylbenzene	50.0	57.4		ug/kg		115	79 - 130
Naphthalene	50.0	43.6		ug/kg		87	72 - 150
Toluene	50.0	56.2		ug/kg		112	76 - 126
Xylenes, total	150	177		ug/kg		118	80 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	86		67 - 138
Dibromofluoromethane	98		75 - 125
Toluene-d8	94		76 - 129
4-Bromofluorobenzene	88		67 - 147

Lab Sample ID: 11G0464-BSD1

Matrix: Soil

Analysis Batch: U012052

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11G0464_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	50.0	52.0		ug/kg		104	78 - 126	3	50
Ethylbenzene	50.0	57.2		ug/kg		114	79 - 130	0.5	50
Naphthalene	50.0	43.2		ug/kg		86	72 - 150	1	50
Toluene	50.0	56.1		ug/kg		112	76 - 126	0.2	50
Xylenes, total	150	176		ug/kg		117	80 - 130	1	50

Surrogate	LCS Dup % Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	82		67 - 138
Dibromofluoromethane	93		75 - 125
Toluene-d8	95		76 - 129
4-Bromofluorobenzene	90		67 - 147

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11G0464-MS1

Matrix: Soil

Analysis Batch: U012052

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11G0464_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		0.0595	0.0539		mg/kg dry	☼	91	42 - 141
Ethylbenzene	ND		0.0595	0.0519		mg/kg dry	☼	87	21 - 165
Naphthalene	ND		0.0595	0.0126		mg/kg dry	☼	21	10 - 160
Toluene	ND		0.0595	0.0546		mg/kg dry	☼	92	45 - 145
Xylenes, total	ND		0.178	0.147		mg/kg dry	☼	82	31 - 159

Surrogate	Matrix Spike % Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	84		67 - 138
Dibromofluoromethane	92		75 - 125
Toluene-d8	99		76 - 129
4-Bromofluorobenzene	98		67 - 147

Lab Sample ID: 11G0464-MSD1

Matrix: Soil

Analysis Batch: U012052

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11G0464_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0595	0.0693		mg/kg dry	☼	116	42 - 141	25	50
Ethylbenzene	ND		0.0595	0.0654		mg/kg dry	☼	110	21 - 165	23	50
Naphthalene	ND		0.0595	0.0156		mg/kg dry	☼	26	10 - 160	21	50
Toluene	ND		0.0595	0.0685		mg/kg dry	☼	115	45 - 145	23	50
Xylenes, total	ND		0.178	0.187		mg/kg dry	☼	105	31 - 159	24	50

Surrogate	Matrix Spike Dup % Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	95		67 - 138
Dibromofluoromethane	108		75 - 125
Toluene-d8	107		76 - 129
4-Bromofluorobenzene	98		67 - 147

Lab Sample ID: 11G1211-BLK1

Matrix: Soil

Analysis Batch: U012543

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G1211_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		07/07/11 12:07	07/12/11 14:17	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		07/07/11 12:07	07/12/11 14:17	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		07/07/11 12:07	07/12/11 14:17	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		07/07/11 12:07	07/12/11 14:17	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		07/07/11 12:07	07/12/11 14:17	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Blank Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	122		67 - 138	07/07/11 12:07	07/12/11 14:17	1.00
Dibromofluoromethane	104		75 - 125	07/07/11 12:07	07/12/11 14:17	1.00
Toluene-d8	100		76 - 129	07/07/11 12:07	07/12/11 14:17	1.00
4-Bromofluorobenzene	103		67 - 147	07/07/11 12:07	07/12/11 14:17	1.00

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11G1211-BLK2

Matrix: Soil

Analysis Batch: U012543

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G1211_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0550	mg/kg wet		07/07/11 12:07	07/12/11 14:45	50.0
Ethylbenzene	ND		0.100	0.0490	mg/kg wet		07/07/11 12:07	07/12/11 14:45	50.0
Naphthalene	ND		0.250	0.0850	mg/kg wet		07/07/11 12:07	07/12/11 14:45	50.0
Toluene	ND		0.100	0.0445	mg/kg wet		07/07/11 12:07	07/12/11 14:45	50.0
Xylenes, total	ND		0.250	0.0950	mg/kg wet		07/07/11 12:07	07/12/11 14:45	50.0

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	122		67 - 138	07/07/11 12:07	07/12/11 14:45	50.0
Dibromofluoromethane	94		75 - 125	07/07/11 12:07	07/12/11 14:45	50.0
Toluene-d8	98		76 - 129	07/07/11 12:07	07/12/11 14:45	50.0
4-Bromofluorobenzene	103		67 - 147	07/07/11 12:07	07/12/11 14:45	50.0

Lab Sample ID: 11G1211-BS1

Matrix: Soil

Analysis Batch: U012543

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G1211_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	49.4		ug/kg		99	78 - 126
Ethylbenzene	50.0	52.0		ug/kg		104	79 - 130
Naphthalene	50.0	56.5		ug/kg		113	72 - 150
Toluene	50.0	51.9		ug/kg		104	76 - 126
Xylenes, total	150	151		ug/kg		101	80 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	119		67 - 138
Dibromofluoromethane	105		75 - 125
Toluene-d8	98		76 - 129
4-Bromofluorobenzene	102		67 - 147

Lab Sample ID: 11G1211-BSD1

Matrix: Soil

Analysis Batch: U012543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11G1211_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	50.0	48.1		ug/kg		96	78 - 126	3	50
Ethylbenzene	50.0	50.2		ug/kg		100	79 - 130	4	50
Naphthalene	50.0	55.5		ug/kg		111	72 - 150	2	50
Toluene	50.0	50.4		ug/kg		101	76 - 126	3	50
Xylenes, total	150	146		ug/kg		97	80 - 130	4	50

Surrogate	LCS Dup % Recovery	LCS Dup Qualifier	Limits
1,2-Dichloroethane-d4	119		67 - 138
Dibromofluoromethane	105		75 - 125
Toluene-d8	99		76 - 129
4-Bromofluorobenzene	101		67 - 147

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11G1211-MS1

Matrix: Soil

Analysis Batch: U012543

Client Sample ID: 321 Ash

Prep Type: Total

Prep Batch: 11G1211_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Benzene	ND		3.17	2.62		mg/kg dry	☼	83	42 - 141	
Ethylbenzene	0.0710		3.17	2.87		mg/kg dry	☼	88	21 - 165	
Naphthalene	4.12		3.17	7.91		mg/kg dry	☼	119	10 - 160	
Toluene	ND		3.17	2.74		mg/kg dry	☼	87	45 - 145	
Xylenes, total	ND		9.51	8.17		mg/kg dry	☼	86	31 - 159	
Matrix Spike										
Surrogate	% Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4	116		67 - 138							
Dibromofluoromethane	98		75 - 125							
Toluene-d8	98		76 - 129							
4-Bromofluorobenzene	107		67 - 147							

Lab Sample ID: 11G1211-MSD1

Matrix: Soil

Analysis Batch: U012543

Client Sample ID: 321 Ash

Prep Type: Total

Prep Batch: 11G1211_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec	% Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Benzene	ND		3.17	2.53		mg/kg dry	☼	80	42 - 141		3	50
Ethylbenzene	0.0710		3.17	2.79		mg/kg dry	☼	86	21 - 165		3	50
Naphthalene	4.12		3.17	7.52		mg/kg dry	☼	107	10 - 160		5	50
Toluene	ND		3.17	2.68		mg/kg dry	☼	84	45 - 145		2	50
Xylenes, total	ND		9.51	7.93		mg/kg dry	☼	83	31 - 159		3	50
Matrix Spike Dup												
Surrogate	% Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4	114		67 - 138									
Dibromofluoromethane	100		75 - 125									
Toluene-d8	100		76 - 129									
4-Bromofluorobenzene	105		67 - 147									

Lab Sample ID: 11G3394-BLK1

Matrix: Soil

Analysis Batch: U012524

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G3394_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.00200	0.00110	mg/kg wet		07/13/11 18:39	07/13/11 23:20	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		07/13/11 18:39	07/13/11 23:20	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		07/13/11 18:39	07/13/11 23:20	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		07/13/11 18:39	07/13/11 23:20	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		07/13/11 18:39	07/13/11 23:20	1.00
Blank									
Surrogate	% Recovery	Qualifier	Limits		Prepared		Analyzed		Dil Fac
1,2-Dichloroethane-d4	100		67 - 138		07/13/11 18:39		07/13/11 23:20		1.00
Dibromofluoromethane	78		75 - 125		07/13/11 18:39		07/13/11 23:20		1.00
Toluene-d8	102		76 - 129		07/13/11 18:39		07/13/11 23:20		1.00
4-Bromofluorobenzene	100		67 - 147		07/13/11 18:39		07/13/11 23:20		1.00

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11G3394-BLK2

Matrix: Soil

Analysis Batch: U012524

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G3394_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0550	mg/kg wet		07/13/11 18:39	07/14/11 00:54	50.0
Ethylbenzene	ND		0.100	0.0490	mg/kg wet		07/13/11 18:39	07/14/11 00:54	50.0
Naphthalene	ND		0.250	0.0850	mg/kg wet		07/13/11 18:39	07/14/11 00:54	50.0
Toluene	ND		0.100	0.0445	mg/kg wet		07/13/11 18:39	07/14/11 00:54	50.0
Xylenes, total	ND		0.250	0.0950	mg/kg wet		07/13/11 18:39	07/14/11 00:54	50.0

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	87		67 - 138	07/13/11 18:39	07/14/11 00:54	50.0
Dibromofluoromethane	99		75 - 125	07/13/11 18:39	07/14/11 00:54	50.0
Toluene-d8	99		76 - 129	07/13/11 18:39	07/14/11 00:54	50.0
4-Bromofluorobenzene	102		67 - 147	07/13/11 18:39	07/14/11 00:54	50.0

Lab Sample ID: 11G3394-BS1

Matrix: Soil

Analysis Batch: U012524

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G3394_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	51.9		ug/kg		104	78 - 126
Ethylbenzene	50.0	55.4		ug/kg		111	79 - 130
Naphthalene	50.0	58.6		ug/kg		117	72 - 150
Toluene	50.0	53.7		ug/kg		107	76 - 126
Xylenes, total	150	166		ug/kg		110	80 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	100		67 - 138
Dibromofluoromethane	95		75 - 125
Toluene-d8	100		76 - 129
4-Bromofluorobenzene	101		67 - 147

Lab Sample ID: 11G3394-MS1

Matrix: Soil

Analysis Batch: U012524

Client Sample ID: 747 Bluebell

Prep Type: Total

Prep Batch: 11G3394_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		6.64	7.28		mg/kg dry	☉	110	42 - 141
Ethylbenzene	0.436		6.64	8.39		mg/kg dry	☉	120	21 - 165
Naphthalene	11.7		6.64	21.5		mg/kg dry	☉	148	10 - 160
Toluene	ND		6.64	7.66		mg/kg dry	☉	115	45 - 145
Xylenes, total	ND		19.9	23.5		mg/kg dry	☉	118	31 - 159

Surrogate	Matrix Spike % Recovery	Matrix Spike Qualifier	Limits
1,2-Dichloroethane-d4	82		67 - 138
Dibromofluoromethane	78		75 - 125
Toluene-d8	99		76 - 129
4-Bromofluorobenzene	106		67 - 147

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11G3394-MSD1

Matrix: Soil

Analysis Batch: U012524

Client Sample ID: 747 Bluebell

Prep Type: Total

Prep Batch: 11G3394_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		6.64	6.60		mg/kg dry	☼	99	42 - 141	10	50
Ethylbenzene	0.436		6.64	7.53		mg/kg dry	☼	107	21 - 165	11	50
Naphthalene	11.7		6.64	20.8		mg/kg dry	☼	136	10 - 160	4	50
Toluene	ND		6.64	7.24		mg/kg dry	☼	109	45 - 145	6	50
Xylenes, total	ND		19.9	21.3		mg/kg dry	☼	107	31 - 159	10	50

Surrogate	Matrix Spike Dup % Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	104		67 - 138
Dibromofluoromethane	90		75 - 125
Toluene-d8	101		76 - 129
4-Bromofluorobenzene	107		67 - 147

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Lab Sample ID: 11G0601-BLK1

Matrix: Soil

Analysis Batch: 11G0601

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11G0601_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0140	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Acenaphthylene	ND		0.0670	0.0200	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Anthracene	ND		0.0670	0.00900	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Benzo (a) anthracene	ND		0.0670	0.0110	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Benzo (a) pyrene	ND		0.0670	0.00800	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0380	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.00900	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0370	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Chrysene	ND		0.0670	0.0310	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0150	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Fluoranthene	ND		0.0670	0.0110	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Fluorene	ND		0.0670	0.0200	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0310	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Naphthalene	ND		0.0670	0.0140	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Phenanthrene	ND		0.0670	0.0100	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
Pyrene	ND		0.0670	0.0230	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
1-Methylnaphthalene	ND		0.0670	0.0120	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00
2-Methylnaphthalene	ND		0.0670	0.0210	mg/kg wet		07/05/11 13:00	07/06/11 02:57	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Blank Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	88		18 - 120	07/05/11 13:00	07/06/11 02:57	1.00
2-Fluorobiphenyl	60		14 - 120	07/05/11 13:00	07/06/11 02:57	1.00
Nitrobenzene-d5	57		17 - 120	07/05/11 13:00	07/06/11 02:57	1.00

Lab Sample ID: 11G0601-BS1

Matrix: Soil

Analysis Batch: 11G0601

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G0601_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.67	1.26		mg/kg wet		76	49 - 120

TestAmerica Nashville

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 11G0601-BS1

Matrix: Soil

Analysis Batch: 11G0601

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11G0601_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthylene	1.67	1.28		mg/kg wet		77	52 - 120
Anthracene	1.67	1.39		mg/kg wet		84	58 - 120
Benzo (a) anthracene	1.67	1.41		mg/kg wet		85	57 - 120
Benzo (a) pyrene	1.67	1.55		mg/kg wet		93	55 - 120
Benzo (b) fluoranthene	1.67	1.58		mg/kg wet		95	51 - 123
Benzo (g,h,i) perylene	1.67	1.44		mg/kg wet		87	49 - 121
Benzo (k) fluoranthene	1.67	1.34		mg/kg wet		80	42 - 129
Chrysene	1.67	1.41		mg/kg wet		85	55 - 120
Dibenz (a,h) anthracene	1.67	1.43		mg/kg wet		86	50 - 123
Fluoranthene	1.67	1.41		mg/kg wet		85	58 - 120
Fluorene	1.67	1.34		mg/kg wet		81	54 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.42		mg/kg wet		85	50 - 122
Naphthalene	1.67	1.23		mg/kg wet		74	28 - 120
Phenanthrene	1.67	1.36		mg/kg wet		82	56 - 120
Pyrene	1.67	1.38		mg/kg wet		83	56 - 120
1-Methylnaphthalene	1.67	0.929		mg/kg wet		56	36 - 120
2-Methylnaphthalene	1.67	1.11		mg/kg wet		66	36 - 120

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Terphenyl-d14	86		18 - 120
2-Fluorobiphenyl	62		14 - 120
Nitrobenzene-d5	50		17 - 120

Lab Sample ID: 11G0601-MS1

Matrix: Soil

Analysis Batch: 11G0601

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11G0601_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	ND		2.52	1.79		mg/kg dry	☼	71	42 - 120
Acenaphthylene	ND		2.52	1.83		mg/kg dry	☼	73	32 - 120
Anthracene	ND		2.52	2.03		mg/kg dry	☼	81	10 - 200
Benzo (a) anthracene	0.0649		2.52	2.03		mg/kg dry	☼	78	41 - 120
Benzo (a) pyrene	0.0679		2.52	2.14		mg/kg dry	☼	82	33 - 121
Benzo (b) fluoranthene	0.0709		2.52	2.28		mg/kg dry	☼	88	26 - 137
Benzo (g,h,i) perylene	ND		2.52	1.84		mg/kg dry	☼	73	21 - 124
Benzo (k) fluoranthene	0.0605		2.52	1.83		mg/kg dry	☼	70	14 - 140
Chrysene	0.0639		2.52	2.05		mg/kg dry	☼	79	28 - 123
Dibenz (a,h) anthracene	ND		2.52	1.90		mg/kg dry	☼	75	25 - 127
Fluoranthene	0.0724		2.52	2.05		mg/kg dry	☼	79	38 - 120
Fluorene	ND		2.52	1.93		mg/kg dry	☼	77	41 - 120
Indeno (1,2,3-cd) pyrene	ND		2.52	1.96		mg/kg dry	☼	78	25 - 123
Naphthalene	ND		2.52	1.75		mg/kg dry	☼	70	25 - 120
Phenanthrene	ND		2.52	1.99		mg/kg dry	☼	79	37 - 120
Pyrene	0.0768		2.52	2.08		mg/kg dry	☼	80	29 - 125
1-Methylnaphthalene	ND		2.52	1.32		mg/kg dry	☼	53	19 - 120
2-Methylnaphthalene	ND		2.52	1.57		mg/kg dry	☼	63	11 - 120

Surrogate	Matrix Spike % Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	77		18 - 120

QC Sample Results

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 11G0601-MS1

Matrix: Soil

Analysis Batch: 11G0601

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11G0601_P

Surrogate	Matrix Spike	Matrix Spike	Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	54		14 - 120
Nitrobenzene-d5	49		17 - 120

Lab Sample ID: 11G0601-MSD1

Matrix: Soil

Analysis Batch: 11G0601

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11G0601_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	% Rec	% Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Acenaphthene	ND		2.50	1.55		mg/kg dry	☼	62	42 - 120	14	40
Acenaphthylene	ND		2.50	1.56		mg/kg dry	☼	63	32 - 120	16	30
Anthracene	ND		2.50	1.73		mg/kg dry	☼	69	10 - 200	16	50
Benzo (a) anthracene	0.0649		2.50	1.76		mg/kg dry	☼	68	41 - 120	14	30
Benzo (a) pyrene	0.0679		2.50	1.90		mg/kg dry	☼	73	33 - 121	12	33
Benzo (b) fluoranthene	0.0709		2.50	2.14		mg/kg dry	☼	83	26 - 137	6	42
Benzo (g,h,i) perylene	ND		2.50	1.63		mg/kg dry	☼	65	21 - 124	12	32
Benzo (k) fluoranthene	0.0605		2.50	1.40		mg/kg dry	☼	54	14 - 140	27	39
Chrysene	0.0639		2.50	1.73		mg/kg dry	☼	67	28 - 123	17	34
Dibenz (a,h) anthracene	ND		2.50	1.64		mg/kg dry	☼	65	25 - 127	15	31
Fluoranthene	0.0724		2.50	1.86		mg/kg dry	☼	72	38 - 120	9	35
Fluorene	ND		2.50	1.63		mg/kg dry	☼	65	41 - 120	17	37
Indeno (1,2,3-cd) pyrene	ND		2.50	1.67		mg/kg dry	☼	67	25 - 123	16	32
Naphthalene	ND		2.50	1.59		mg/kg dry	☼	63	25 - 120	10	42
Phenanthrene	ND		2.50	1.72		mg/kg dry	☼	69	37 - 120	14	32
Pyrene	0.0768		2.50	1.89		mg/kg dry	☼	73	29 - 125	9	40
1-Methylnaphthalene	ND		2.50	1.21		mg/kg dry	☼	48	19 - 120	9	45
2-Methylnaphthalene	ND		2.50	1.44		mg/kg dry	☼	57	11 - 120	9	50

Surrogate	Matrix Spike Dup	Matrix Spike Dup	Limits
	% Recovery	Qualifier	
Terphenyl-d14	65		18 - 120
2-Fluorobiphenyl	46		14 - 120
Nitrobenzene-d5	46		17 - 120

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11G2361-DUP1

Matrix: Soil

Analysis Batch: 11G2361

Client Sample ID: Duplicate

Prep Type: Total

Prep Batch: 11G2361_P

Analyte	Sample	Sample	Duplicate	Duplicate	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
% Dry Solids	73.1		72.9		%		0.2	20

QC Association Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

GCMS Volatiles

Analysis Batch: U012052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0464-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11G0464_P
11G0464-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11G0464_P
11G0464-BLK1	Method Blank	Total	Soil	SW846 8260B	11G0464_P
NUG0346-01	308 Ash	Total	Soil	SW846 8260B	11G0464_P
NUG0346-02	318 Ash	Total	Soil	SW846 8260B	11G0464_P
NUG0346-03	321 Ash	Total	Soil	SW846 8260B	11G0464_P
NUG0346-04	747 Bluebell	Total	Soil	SW846 8260B	11G0464_P
11G0464-MS1	Matrix Spike	Total	Soil	SW846 8260B	11G0464_P
11G0464-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11G0464_P

Analysis Batch: U012524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G3394-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11G3394_P
11G3394-BLK1	Method Blank	Total	Soil	SW846 8260B	11G3394_P
11G3394-BLK2	Method Blank	Total	Soil	SW846 8260B	11G3394_P
NUG0346-04 - RE2	747 Bluebell	Total	Soil	SW846 8260B	11G3394_P
11G3394-MS1	747 Bluebell	Total	Soil	SW846 8260B	11G3394_P
11G3394-MSD1	747 Bluebell	Total	Soil	SW846 8260B	11G3394_P

Analysis Batch: U012543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G1211-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11G1211_P
11G1211-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11G1211_P
11G1211-BLK1	Method Blank	Total	Soil	SW846 8260B	11G1211_P
11G1211-BLK2	Method Blank	Total	Soil	SW846 8260B	11G1211_P
NUG0346-04 - RE1	747 Bluebell	Total	Soil	SW846 8260B	11G1211_P
NUG0346-03 - RE1	321 Ash	Total	Soil	SW846 8260B	11G1211_P
11G1211-MS1	321 Ash	Total	Soil	SW846 8260B	11G1211_P
11G1211-MSD1	321 Ash	Total	Soil	SW846 8260B	11G1211_P

Prep Batch: 11G0464_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0464-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11G0464-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11G0464-BLK1	Method Blank	Total	Soil	EPA 5035	
NUG0346-01	308 Ash	Total	Soil	EPA 5035	
NUG0346-02	318 Ash	Total	Soil	EPA 5035	
NUG0346-03	321 Ash	Total	Soil	EPA 5035	
NUG0346-04	747 Bluebell	Total	Soil	EPA 5035	
11G0464-MS1	Matrix Spike	Total	Soil	EPA 5035	
11G0464-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	

Prep Batch: 11G1211_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G1211-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11G1211-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11G1211-BLK1	Method Blank	Total	Soil	EPA 5035	
11G1211-BLK2	Method Blank	Total	Soil	EPA 5035	
NUG0346-04 - RE1	747 Bluebell	Total	Soil	EPA 5035	
NUG0346-03 - RE1	321 Ash	Total	Soil	EPA 5035	
11G1211-MS1	321 Ash	Total	Soil	EPA 5035	
11G1211-MSD1	321 Ash	Total	Soil	EPA 5035	

QC Association Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

GCMS Volatiles (Continued)

Prep Batch: 11G3394_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G3394-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11G3394-BLK1	Method Blank	Total	Soil	EPA 5035	
11G3394-BLK2	Method Blank	Total	Soil	EPA 5035	
NUG0346-04 - RE2	747 Bluebell	Total	Soil	EPA 5035	
11G3394-MS1	747 Bluebell	Total	Soil	EPA 5035	
11G3394-MSD1	747 Bluebell	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 11G0601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0601-BLK1	Method Blank	Total	Soil	SW846 8270D	11G0601_P
11G0601-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11G0601_P
11G0601-MS1	Matrix Spike	Total	Soil	SW846 8270D	11G0601_P
11G0601-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11G0601_P
NUG0346-01	308 Ash	Total	Soil	SW846 8270D	11G0601_P
NUG0346-02	318 Ash	Total	Soil	SW846 8270D	11G0601_P
NUG0346-03	321 Ash	Total	Soil	SW846 8270D	11G0601_P
NUG0346-03 - RE1	321 Ash	Total	Soil	SW846 8270D	11G0601_P
NUG0346-04 - RE1	747 Bluebell	Total	Soil	SW846 8270D	11G0601_P
NUG0346-04 - RE2	747 Bluebell	Total	Soil	SW846 8270D	11G0601_P

Prep Batch: 11G0601_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0601-BLK1	Method Blank	Total	Soil	EPA 3550C	
11G0601-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11G0601-MS1	Matrix Spike	Total	Soil	EPA 3550C	
11G0601-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NUG0346-01	308 Ash	Total	Soil	EPA 3550C	
NUG0346-02	318 Ash	Total	Soil	EPA 3550C	
NUG0346-03	321 Ash	Total	Soil	EPA 3550C	
NUG0346-03 - RE1	321 Ash	Total	Soil	EPA 3550C	
NUG0346-04 - RE1	747 Bluebell	Total	Soil	EPA 3550C	
NUG0346-04 - RE2	747 Bluebell	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 11G2361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2361-DUP1	Duplicate	Total	Soil	SW-846	11G2361_P
NUG0346-01	308 Ash	Total	Soil	SW-846	11G2361_P
NUG0346-02	318 Ash	Total	Soil	SW-846	11G2361_P
NUG0346-03	321 Ash	Total	Soil	SW-846	11G2361_P
NUG0346-04	747 Bluebell	Total	Soil	SW-846	11G2361_P

Prep Batch: 11G2361_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2361-DUP1	Duplicate	Total	Soil	% Solids	
NUG0346-01	308 Ash	Total	Soil	% Solids	
NUG0346-02	318 Ash	Total	Soil	% Solids	
NUG0346-03	321 Ash	Total	Soil	% Solids	
NUG0346-04	747 Bluebell	Total	Soil	% Solids	

Lab Chronicle

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 308 Ash

Date Collected: 06/27/11 13:15

Date Received: 07/02/11 08:30

Lab Sample ID: NUG0346-01

Matrix: Soil

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.926	11G0464_P	06/27/11 13:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U012052	07/06/11 18:21	MJH	TAL NSH
Total	Prep	EPA 3550C		0.979	11G0601_P	07/05/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11G0601	07/06/11 06:31	BES	TAL NSH
Total	Prep	% Solids		1.00	11G2361_P	07/13/11 15:38	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11G2361	07/14/11 12:26	AMS	TAL NSH

Client Sample ID: 318 Ash

Date Collected: 06/28/11 12:15

Date Received: 07/02/11 08:30

Lab Sample ID: NUG0346-02

Matrix: Soil

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.850	11G0464_P	06/28/11 12:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U012052	07/06/11 18:53	MJH	TAL NSH
Total	Prep	EPA 3550C		0.994	11G0601_P	07/05/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11G0601	07/06/11 06:51	BES	TAL NSH
Total	Prep	% Solids		1.00	11G2361_P	07/13/11 15:38	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11G2361	07/14/11 12:26	AMS	TAL NSH

Client Sample ID: 321 Ash

Date Collected: 06/29/11 12:45

Date Received: 07/02/11 08:30

Lab Sample ID: NUG0346-03

Matrix: Soil

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.971	11G0464_P	06/29/11 12:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U012052	07/06/11 19:25	MJH	TAL NSH
Total	Prep	EPA 5035	RE1	1.01	11G1211_P	06/29/11 12:45	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U012543	07/12/11 15:42	MJH	TAL NSH
Total	Prep	EPA 3550C		0.977	11G0601_P	07/05/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11G0601	07/06/11 07:11	BES	TAL NSH
Total	Prep	EPA 3550C	RE1	0.977	11G0601_P	07/05/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE1	5.00	11G0601	07/06/11 10:53	BES	TAL NSH
Total	Prep	% Solids		1.00	11G2361_P	07/13/11 15:38	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11G2361	07/14/11 12:26	AMS	TAL NSH

Client Sample ID: 747 Bluebell

Date Collected: 06/30/11 11:15

Date Received: 07/02/11 08:30

Lab Sample ID: NUG0346-04

Matrix: Soil

Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.822	11G0464_P	06/30/11 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U012052	07/06/11 19:57	MJH	TAL NSH
Total	Prep	EPA 5035	RE1	0.847	11G1211_P	06/30/11 11:15	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U012543	07/12/11 15:14	MJH	TAL NSH
Total	Prep	EPA 5035	RE2	0.847	11G3394_P	06/30/11 11:15	AAN	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Client Sample ID: 747 Bluebell

Lab Sample ID: NUG0346-04

Date Collected: 06/30/11 11:15

Matrix: Soil

Date Received: 07/02/11 08:30

Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SW846 8260B	RE2	100	U012524	07/14/11 01:25	MJH	TAL NSH
Total	Prep	EPA 3550C	RE1	0.977	11G0601_P	07/05/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE1	10.0	11G0601	07/06/11 11:13	BES	TAL NSH
Total	Prep	EPA 3550C	RE2	0.977	11G0601_P	07/05/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE2	20.0	11G0601	07/06/11 12:01	BES	TAL NSH
Total	Prep	% Solids		1.00	11G2361_P	07/13/11 15:38	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11G2361	07/14/11 12:26	AMS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Polyaromatic Hydrocarbons by EPA 8270D		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUG0346

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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

Project #:

Yes	No
_____	_____
Yes	No
_____	_____

RUSH TAT (Pre-Schedule)

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

Small Business Group, Inc.
10179 Highway 78
Ladson, SC 29456

TEL (843) 879-0403
FAX (843) 879-0401

TANK ID & LOCATION

UST 747Bluebell, 747 Bluebell Lane, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

Coastal Auto Salvage Co., Inc.
130 Laurel Bay Road
Beaufort, S.C. 29906

TYPE OF TANK

SIZE (GAL)

Steel

280

CLEANING/DISPOSAL METHOD

The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

DISPOSAL CERTIFICATION

I certify that the above tank, piping and equipment has been properly cleaned and disposed of.

T. L. LeDuc, 9/9/11
(Name) (Date)

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

Date Received <div style="text-align: center;"> State Use Only  </div>

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

OCT 23 2013

SC DHEC - Bureau of
Land & Waste Management

I. OWNERSHIP OF UST (S)

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

P.O. Box 55001
 Mailing Address

Beaufort, South Carolina 29904-5001
 City State Zip Code

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

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #
 Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
 Facility Name or Company Site Identifier

747 Bluebell Lane, Laurel Bay Military Housing Area
 Street Address or State Road (as applicable)

Beaufort, Beaufort
 City County

III. INSURANCE INFORMATION

Insurance Statement

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

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES**____ **NO**____ (check one)

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

My policy provider is: _____

The policy deductible is: _____

The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

Notary Public for the state of _____

Please affix State seal if you are commissioned outside South Carolina

VI. UST INFORMATION

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

747	747	
Bluebell-1	Bluebell-2	
Heating oil	Heating oil	
280 gal	280 gal	
Late 1950s	Late 1950s	
Steel	Steel	
Mid 80s	Mid 80s	
5'7"	3'10"	
No	No	
No	No	
Removed	Removed	
5/9/2013	5/9/2013	
Yes	Yes	
Yes	Yes	

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 747Bluebell-1 was removed from the ground, cleaned & recycled.
UST 747Bluebell-2 was removed from the ground and disposed in 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)
Contaminated water was pumped from UST 747Bluebell-1 and disposed by
MCAS. UST 747Bluebell-2 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 in both tanks.

VII. PIPING INFORMATION

A. Construction Material..(ex. Steel, FRP).....

B. Distance from UST to Dispenser.....

C. Number of Dispensers.....

D. Type of System Pressure or Suction.....

E. Was Piping Removed from the Ground? Y/N

F. Visible Corrosion or Pitting Y/N.....

G. Visible Holes Y/N.....

H. Age.....

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

747 Bluebell-1	747 Bluebell-2	
Steel & Copper	Steel & Copper	
N/A	N/A	
N/A	N/A	
Suction	Suction	
No	No	
Yes	Yes	
No	No	
Late 1950s	Late 1950s	

Steel vent piping for both tanks were corroded and pitted. All
copper supply and return piping 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.

USTs 747Bluebell-1 and 747Bluebell-2 are the second and third
tanks removed from this residence.

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
747 Blue bell-1	Excav at fill end	Soil	Sandy	5'7"	5/9/13 1345 hrs	P. Shaw	
747 Blue bell-2	Excav at fill end	Soil	Sandy	3'10"	5/9/13 1415 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

XII. RECEPTORS

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

XIII. SITE MAP

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

(Attach Site Map Here)



747 BLUEBELL

SBG-EEG, Inc.

7301 Rivers Ave., Suite 245
N. Charleston SC 29406-9643

Ph. (843) 573-7140

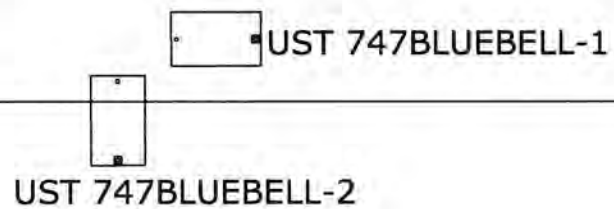
Drawn By: L. DiAsio

Dwg Date: June 2013

FIGURE 1: LOCATION MAP
747 BLUEBELL LANE
LAUREL BAY, BEAUFORT SC



747 BLUEBELL LN.
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



TANK DEPTH BELOW GRADE
747BLUEBELL-1 = 31"
747BLUEBELL-2 = 10"

SBG-EEG

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

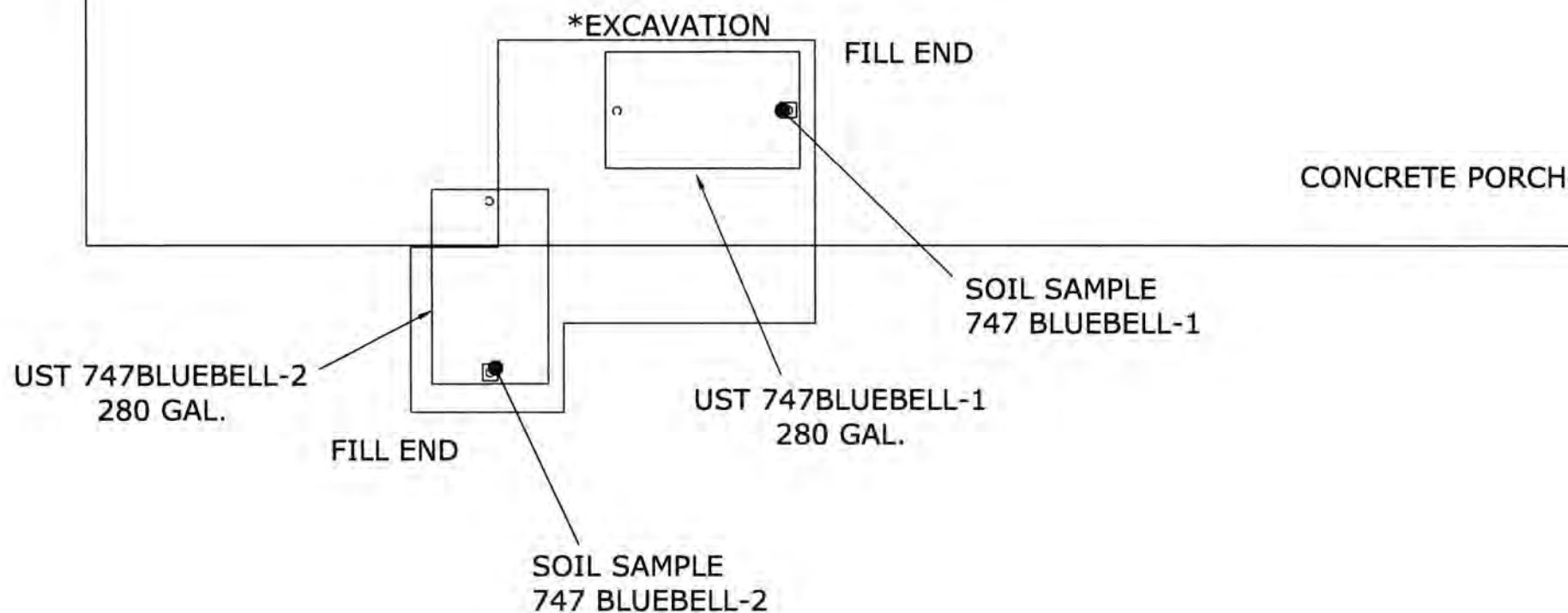
FIGURE 2 SITE MAP
747 BLUEBELL LN., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE JUNE 2013



747 BLUEBELL LN.
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



UST 747BLUEBELL-2
280 GAL.

FILL END

SOIL SAMPLE
747 BLUEBELL-2

*EXCAVATION

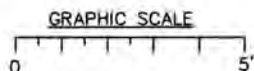
FILL END

CONCRETE PORCH

SOIL SAMPLE
747 BLUEBELL-1

UST 747BLUEBELL-1
280 GAL.

*A PORTION OF THE PORCH WAS
REMOVED TO FACILITATE REMOVAL
OF THE TANKS.



SBG-EEG

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

FIGURE 3 UST SAMPLE LOCATIONS
747 BLUEBELL LN., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE JUNE 2013



Picture 1: Location of UST 747Bluebell-1.



Picture 2: UST 747Bluebell-1 excavation.



Picture 3: UST 747Bluebell-1 excavation.



Picture 4: UST 747Bluebell-2 excavation.

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	747Bluebell-1	747Bluebell-2				
Benzene		0.00314 mg/kg	0.00324 mg/kg				
Toluene		0.00238 mg/kg	0.00499 mg/kg				
Ethylbenzene		0.108 mg/kg	1.19 mg/kg				
Xylenes		0.0364 mg/kg	1.19 mg/kg				
Naphthalene		37.7 mg/kg	19.0 mg/kg				
Benzo (a) anthracene		0.164 mg/kg	ND				
Benzo (b) fluoranthene		0.126 mg/kg	ND				
Benzo (k) fluoranthene		0.0525 mg/kg	ND				
Chrysene		0.138 mg/kg	ND				
Dibenz (a, h) anthracene		ND	ND				
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

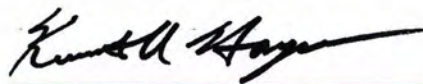
TestAmerica Job ID: 490-26734-1

Client Project/Site: Laurel Bay Housing Project

For:

Environmental Enterprise Group
10179 Highway 78
Ladson, South Carolina 29456

Attn: Mr. Tom McElwee



Authorized for release by:
5/30/2013 12:59:53 PM

Ken Hayes, Project Manager I
ken.hayes@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Receipt Checklists	25



Sample Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26734-1	363 Aspen	Solid	05/06/13 14:15	05/15/13 08:30
490-26734-2	312 Ash	Solid	05/07/13 11:35	05/15/13 08:30
490-26734-3	747 Bluebell -1	Solid	05/09/13 13:45	05/15/13 08:30
490-26734-4	747 Bluebell -2	Solid	05/09/13 14:15	05/15/13 08:30

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Case Narrative

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Job ID: 490-26734-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-26734-1

Comments

No additional comments.

Receipt

The samples were received on 5/15/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

GC/MS VOA

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batches 79620 and 79956. See LCS/LCSD

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 312 Ash (490-26734-2), 747 Bluebell -1 (490-26734-3) and 747 Bluebell -2 (490-26734-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 80297 was outside control limits. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

Organic Prep

Method(s) Moisture: The sample duplicate precision for the following sample associated with batch 55422 was outside control limits: (490-26694-2 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Definitions/Glossary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC/MS Semi VOA

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

Glossary

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

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Client Sample ID: 363 Aspen

Date Collected: 05/06/13 14:15

Date Received: 05/15/13 08:30

Lab Sample ID: 490-26734-1

Matrix: Solid

Percent Solids: 73.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00297	0.000994	mg/Kg	☒	05/16/13 12:03	05/16/13 17:42	1
Ethylbenzene	ND		0.00297	0.000994	mg/Kg	☒	05/16/13 12:03	05/16/13 17:42	1
Naphthalene	ND		0.00742	0.00252	mg/Kg	☒	05/16/13 12:03	05/16/13 17:42	1
Toluene	ND		0.00297	0.00110	mg/Kg	☒	05/16/13 12:03	05/16/13 17:42	1
Xylenes, Total	ND		0.00742	0.000994	mg/Kg	☒	05/16/13 12:03	05/16/13 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130	05/16/13 12:03	05/16/13 17:42	1
4-Bromofluorobenzene (Surr)	107		70 - 130	05/16/13 12:03	05/16/13 17:42	1
Dibromofluoromethane (Surr)	108		70 - 130	05/16/13 12:03	05/16/13 17:42	1
Toluene-d8 (Surr)	93		70 - 130	05/16/13 12:03	05/16/13 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0905	0.0135	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Acenaphthylene	ND		0.0905	0.0122	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Anthracene	ND		0.0905	0.0122	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Benzo[a]anthracene	ND		0.0905	0.0203	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Benzo[a]pyrene	ND		0.0905	0.0162	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Benzo[b]fluoranthene	ND		0.0905	0.0162	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Benzo[g,h,i]perylene	ND		0.0905	0.0122	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Benzo[k]fluoranthene	ND		0.0905	0.0189	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
1-Methylnaphthalene	ND		0.0905	0.0189	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Pyrene	ND		0.0905	0.0162	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Phenanthrene	ND		0.0905	0.0122	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Chrysene	ND		0.0905	0.0122	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Dibenz(a,h)anthracene	ND		0.0905	0.00946	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Fluoranthene	ND		0.0905	0.0122	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Fluorene	ND		0.0905	0.0162	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Indeno[1,2,3-cd]pyrene	ND		0.0905	0.0135	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
Naphthalene	ND		0.0905	0.0122	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1
2-Methylnaphthalene	ND		0.0905	0.0216	mg/Kg	☒	05/16/13 15:18	05/17/13 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	63		29 - 120	05/16/13 15:18	05/17/13 20:51	1
Terphenyl-d14 (Surr)	96		13 - 120	05/16/13 15:18	05/17/13 20:51	1
Nitrobenzene-d5 (Surr)	58		27 - 120	05/16/13 15:18	05/17/13 20:51	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	74		0.10	0.10	%			05/16/13 15:10	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Client Sample ID: 312 Ash

Lab Sample ID: 490-26734-2

Date Collected: 05/07/13 11:35

Matrix: Solid

Date Received: 05/15/13 08:30

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00210	0.000704	mg/Kg	☒	05/16/13 12:03	05/17/13 14:47	1
Ethylbenzene	0.0439		0.00210	0.000704	mg/Kg	☒	05/16/13 12:03	05/17/13 14:47	1
Naphthalene	ND		0.00525	0.00179	mg/Kg	☒	05/16/13 12:03	05/17/13 14:47	1
Toluene	ND		0.00210	0.000777	mg/Kg	☒	05/16/13 12:03	05/17/13 14:47	1
Xylenes, Total	0.428		0.00525	0.000704	mg/Kg	☒	05/16/13 12:03	05/17/13 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 130	05/16/13 12:03	05/17/13 14:47	1
4-Bromofluorobenzene (Surr)	787	X	70 - 130	05/16/13 12:03	05/17/13 14:47	1
Dibromofluoromethane (Surr)	92		70 - 130	05/16/13 12:03	05/17/13 14:47	1
Toluene-d8 (Surr)	171	X	70 - 130	05/16/13 12:03	05/17/13 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0882		0.0823	0.0123	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Acenaphthylene	0.0452	J	0.0823	0.0110	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Anthracene	ND		0.0823	0.0110	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Benzo[a]anthracene	0.0948		0.0823	0.0184	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Benzo[a]pyrene	0.0424	J	0.0823	0.0147	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Benzo[b]fluoranthene	0.0652	J	0.0823	0.0147	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Benzo[g,h,i]perylene	ND		0.0823	0.0110	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Benzo[k]fluoranthene	ND		0.0823	0.0172	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
1-Methylnaphthalene	0.627		0.0823	0.0172	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Pyrene	0.255		0.0823	0.0147	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Phenanthrene	0.416		0.0823	0.0110	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Chrysene	0.0914		0.0823	0.0110	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Dibenz(a,h)anthracene	ND		0.0823	0.00859	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Fluoranthene	0.287		0.0823	0.0110	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Fluorene	0.174		0.0823	0.0147	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Indeno[1,2,3-cd]pyrene	ND		0.0823	0.0123	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
Naphthalene	ND		0.0823	0.0110	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1
2-Methylnaphthalene	0.707		0.0823	0.0196	mg/Kg	☒	05/16/13 15:18	05/17/13 21:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	52		29 - 120	05/16/13 15:18	05/17/13 21:15	1
Terphenyl-d14 (Surr)	64		13 - 120	05/16/13 15:18	05/17/13 21:15	1
Nitrobenzene-d5 (Surr)	51		27 - 120	05/16/13 15:18	05/17/13 21:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10	0.10	%			05/16/13 15:10	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Client Sample ID: 747 Bluebell -1

Lab Sample ID: 490-26734-3

Date Collected: 05/09/13 13:45

Matrix: Solid

Date Received: 05/15/13 08:30

Percent Solids: 75.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00314		0.00223	0.000746	mg/Kg	☒	05/16/13 12:03	05/16/13 19:12	1
Ethylbenzene	0.108		0.00223	0.000746	mg/Kg	☒	05/16/13 12:03	05/16/13 19:12	1
Naphthalene	37.7		8.31	2.83	mg/Kg	☒	05/16/13 11:57	05/19/13 16:22	10
Toluene	0.00238		0.00223	0.000824	mg/Kg	☒	05/16/13 12:03	05/16/13 19:12	1
Xylenes, Total	0.0364		0.00557	0.000746	mg/Kg	☒	05/16/13 12:03	05/16/13 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 130	05/16/13 12:03	05/16/13 19:12	1
1,2-Dichloroethane-d4 (Surr)	80		70 - 130	05/16/13 11:57	05/19/13 16:22	10
4-Bromofluorobenzene (Surr)	988	X	70 - 130	05/16/13 12:03	05/16/13 19:12	1
4-Bromofluorobenzene (Surr)	104		70 - 130	05/16/13 11:57	05/19/13 16:22	10
Dibromofluoromethane (Surr)	91		70 - 130	05/16/13 12:03	05/16/13 19:12	1
Dibromofluoromethane (Surr)	94		70 - 130	05/16/13 11:57	05/19/13 16:22	10
Toluene-d8 (Surr)	151	X	70 - 130	05/16/13 12:03	05/16/13 19:12	1
Toluene-d8 (Surr)	93		70 - 130	05/16/13 11:57	05/19/13 16:22	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.146		0.0870	0.0130	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Acenaphthylene	ND		0.0870	0.0117	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Anthracene	0.0823	J	0.0870	0.0117	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Benzo[a]anthracene	0.164		0.0870	0.0195	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Benzo[a]pyrene	0.0777	J	0.0870	0.0156	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Benzo[b]fluoranthene	0.126		0.0870	0.0156	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Benzo[g,h,i]perylene	ND		0.0870	0.0117	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Benzo[k]fluoranthene	0.0525	J	0.0870	0.0182	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
1-Methylnaphthalene	1.42		0.0870	0.0182	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Pyrene	0.374		0.0870	0.0156	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Phenanthrene	0.342		0.0870	0.0117	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Chrysene	0.138		0.0870	0.0117	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Dibenz(a,h)anthracene	ND		0.0870	0.00909	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Fluoranthene	0.435		0.0870	0.0117	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Fluorene	0.243		0.0870	0.0156	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Indeno[1,2,3-cd]pyrene	ND		0.0870	0.0130	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
Naphthalene	0.213		0.0870	0.0117	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1
2-Methylnaphthalene	2.25		0.0870	0.0208	mg/Kg	☒	05/16/13 15:18	05/17/13 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		29 - 120	05/16/13 15:18	05/17/13 21:38	1
Terphenyl-d14 (Surr)	100		13 - 120	05/16/13 15:18	05/17/13 21:38	1
Nitrobenzene-d5 (Surr)	63		27 - 120	05/16/13 15:18	05/17/13 21:38	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76		0.10	0.10	%			05/16/13 15:10	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Client Sample ID: 747 Bluebell -2

Lab Sample ID: 490-26734-4

Date Collected: 05/09/13 14:15

Matrix: Solid

Date Received: 05/15/13 08:30

Percent Solids: 74.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00324		0.00230	0.000772	mg/Kg	☒	05/16/13 12:03	05/16/13 19:43	1
Ethylbenzene	1.19		0.146	0.0496	mg/Kg	☒	05/16/13 11:57	05/17/13 18:51	1
Naphthalene	19.0		3.65	1.24	mg/Kg	☒	05/16/13 11:57	05/19/13 16:53	10
Toluene	0.00499		0.00230	0.000852	mg/Kg	☒	05/16/13 12:03	05/16/13 19:43	1
Xylenes, Total	1.19		0.365	0.0496	mg/Kg	☒	05/16/13 11:57	05/17/13 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 130	05/16/13 12:03	05/16/13 19:43	1
1,2-Dichloroethane-d4 (Surr)	80		70 - 130	05/16/13 11:57	05/17/13 18:51	1
1,2-Dichloroethane-d4 (Surr)	78		70 - 130	05/16/13 11:57	05/19/13 16:53	10
4-Bromofluorobenzene (Surr)	660	X	70 - 130	05/16/13 12:03	05/16/13 19:43	1
4-Bromofluorobenzene (Surr)	89		70 - 130	05/16/13 11:57	05/17/13 18:51	1
4-Bromofluorobenzene (Surr)	106		70 - 130	05/16/13 11:57	05/19/13 16:53	10
Dibromofluoromethane (Surr)	91		70 - 130	05/16/13 12:03	05/16/13 19:43	1
Dibromofluoromethane (Surr)	88		70 - 130	05/16/13 11:57	05/17/13 18:51	1
Dibromofluoromethane (Surr)	93		70 - 130	05/16/13 11:57	05/19/13 16:53	10
Toluene-d8 (Surr)	171	X	70 - 130	05/16/13 12:03	05/16/13 19:43	1
Toluene-d8 (Surr)	95		70 - 130	05/16/13 11:57	05/17/13 18:51	1
Toluene-d8 (Surr)	92		70 - 130	05/16/13 11:57	05/19/13 16:53	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.697		0.0900	0.0134	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Acenaphthylene	ND		0.0900	0.0121	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Anthracene	ND		0.0900	0.0121	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Benzo[a]anthracene	ND		0.0900	0.0201	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Benzo[a]pyrene	ND		0.0900	0.0161	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Benzo[b]fluoranthene	ND		0.0900	0.0161	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Benzo[g,h,i]perylene	ND		0.0900	0.0121	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Benzo[k]fluoranthene	ND		0.0900	0.0188	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
1-Methylnaphthalene	8.66		0.450	0.0940	mg/Kg	☒	05/16/13 15:18	05/19/13 00:25	5
Pyrene	0.159		0.0900	0.0161	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Phenanthrene	2.17		0.0900	0.0121	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Chrysene	ND		0.0900	0.0121	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Dibenz(a,h)anthracene	ND		0.0900	0.00940	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Fluoranthene	0.0645	J	0.0900	0.0121	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Fluorene	1.24		0.0900	0.0161	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Indeno[1,2,3-cd]pyrene	ND		0.0900	0.0134	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
Naphthalene	2.57		0.0900	0.0121	mg/Kg	☒	05/16/13 15:18	05/17/13 22:02	1
2-Methylnaphthalene	12.6		0.450	0.107	mg/Kg	☒	05/16/13 15:18	05/19/13 00:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		29 - 120	05/16/13 15:18	05/17/13 22:02	1
Terphenyl-d14 (Surr)	94		13 - 120	05/16/13 15:18	05/17/13 22:02	1
Nitrobenzene-d5 (Surr)	66		27 - 120	05/16/13 15:18	05/17/13 22:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	74		0.10	0.10	%			05/16/13 15:10	1

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Lab Sample ID: MB 490-79620/6

Matrix: Solid

Analysis Batch: 79620

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			05/16/13 12:06	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			05/16/13 12:06	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			05/16/13 12:06	1
Toluene	ND		0.00200	0.000740	mg/Kg			05/16/13 12:06	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			05/16/13 12:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		05/16/13 12:06	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/16/13 12:06	1
Dibromofluoromethane (Surr)	104		70 - 130		05/16/13 12:06	1
Toluene-d8 (Surr)	94		70 - 130		05/16/13 12:06	1

Lab Sample ID: LCS 490-79620/3

Matrix: Solid

Analysis Batch: 79620

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05872		mg/Kg		117	75 - 127
Ethylbenzene	0.0500	0.05764		mg/Kg		115	80 - 134
Naphthalene	0.0500	0.05380		mg/Kg		108	69 - 150
Toluene	0.0500	0.05403		mg/Kg		108	80 - 132
Xylenes, Total	0.150	0.1796		mg/Kg		120	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Lab Sample ID: LCSD 490-79620/4

Matrix: Solid

Analysis Batch: 79620

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05947		mg/Kg		119	75 - 127	1	50
Ethylbenzene	0.0500	0.05763		mg/Kg		115	80 - 134	0	50
Naphthalene	0.0500	0.05352		mg/Kg		107	69 - 150	1	50
Toluene	0.0500	0.05463		mg/Kg		109	80 - 132	1	50
Xylenes, Total	0.150	0.1789		mg/Kg		119	80 - 137	0	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	93		70 - 130

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Lab Sample ID: MB 490-79956/6

Matrix: Solid

Analysis Batch: 79956

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			05/17/13 12:45	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			05/17/13 12:45	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			05/17/13 12:45	1
Toluene	ND		0.00200	0.000740	mg/Kg			05/17/13 12:45	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			05/17/13 12:45	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		70 - 130		05/17/13 12:45	1
4-Bromofluorobenzene (Surr)	110		70 - 130		05/17/13 12:45	1
Dibromofluoromethane (Surr)	95		70 - 130		05/17/13 12:45	1
Toluene-d8 (Surr)	95		70 - 130		05/17/13 12:45	1

Lab Sample ID: MB 490-79956/7

Matrix: Solid

Analysis Batch: 79956

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0335	mg/Kg			05/17/13 13:15	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			05/17/13 13:15	1
Naphthalene	ND		0.250	0.0850	mg/Kg			05/17/13 13:15	1
Toluene	ND		0.100	0.0370	mg/Kg			05/17/13 13:15	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			05/17/13 13:15	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 130		05/17/13 13:15	1
4-Bromofluorobenzene (Surr)	110		70 - 130		05/17/13 13:15	1
Dibromofluoromethane (Surr)	96		70 - 130		05/17/13 13:15	1
Toluene-d8 (Surr)	94		70 - 130		05/17/13 13:15	1

Lab Sample ID: LCS 490-79956/3

Matrix: Solid

Analysis Batch: 79956

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.06033		mg/Kg		121	75 - 127
Ethylbenzene	0.0500	0.06110		mg/Kg		122	80 - 134
Naphthalene	0.0500	0.06232		mg/Kg		125	69 - 150
Toluene	0.0500	0.05735		mg/Kg		115	80 - 132
Xylenes, Total	0.150	0.1848		mg/Kg		123	80 - 137

Surrogate	%Recovery	LCS LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
4-Bromofluorobenzene (Surr)	108		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	94		70 - 130

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Lab Sample ID: LCSD 490-79956/4
Matrix: Solid
Analysis Batch: 79956

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05957		mg/Kg		119	75 - 127	1	50
Ethylbenzene	0.0500	0.06060		mg/Kg		121	80 - 134	1	50
Naphthalene	0.0500	0.06294		mg/Kg		126	69 - 150	1	50
Toluene	0.0500	0.05728		mg/Kg		115	80 - 132	0	50
Xylenes, Total	0.150	0.1819		mg/Kg		121	80 - 137	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
4-Bromofluorobenzene (Surr)	107		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: MB 490-80297/6
Matrix: Solid
Analysis Batch: 80297

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000680	mg/Kg			05/19/13 14:20	1
Ethylbenzene	ND		0.00200	0.000680	mg/Kg			05/19/13 14:20	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			05/19/13 14:20	1
Toluene	ND		0.00200	0.000740	mg/Kg			05/19/13 14:20	1
Xylenes, Total	ND		0.00500	0.000680	mg/Kg			05/19/13 14:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 130		05/19/13 14:20	1
4-Bromofluorobenzene (Surr)	110		70 - 130		05/19/13 14:20	1
Dibromofluoromethane (Surr)	96		70 - 130		05/19/13 14:20	1
Toluene-d8 (Surr)	93		70 - 130		05/19/13 14:20	1

Lab Sample ID: MB 490-80297/7
Matrix: Solid
Analysis Batch: 80297

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0340	mg/Kg			05/19/13 14:50	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg			05/19/13 14:50	1
Naphthalene	ND		0.250	0.0850	mg/Kg			05/19/13 14:50	1
Toluene	ND		0.100	0.0370	mg/Kg			05/19/13 14:50	1
Xylenes, Total	ND		0.250	0.0340	mg/Kg			05/19/13 14:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 130		05/19/13 14:50	1
4-Bromofluorobenzene (Surr)	109		70 - 130		05/19/13 14:50	1
Dibromofluoromethane (Surr)	98		70 - 130		05/19/13 14:50	1
Toluene-d8 (Surr)	92		70 - 130		05/19/13 14:50	1

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Lab Sample ID: LCS 490-80297/3

Matrix: Solid

Analysis Batch: 80297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05567		mg/Kg		111	75 - 127
Ethylbenzene	0.0500	0.05748		mg/Kg		115	80 - 134
Naphthalene	0.0500	0.05815		mg/Kg		116	69 - 150
Toluene	0.0500	0.05382		mg/Kg		108	80 - 132
Xylenes, Total	0.150	0.1736		mg/Kg		116	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
4-Bromofluorobenzene (Surr)	107		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Lab Sample ID: LCSD 490-80297/4

Matrix: Solid

Analysis Batch: 80297

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05699		mg/Kg		114	75 - 127	2	50
Ethylbenzene	0.0500	0.05824		mg/Kg		116	80 - 134	1	50
Naphthalene	0.0500	0.06003		mg/Kg		120	69 - 150	3	50
Toluene	0.0500	0.05415		mg/Kg		108	80 - 132	1	50
Xylenes, Total	0.150	0.1748		mg/Kg		117	80 - 137	1	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
4-Bromofluorobenzene (Surr)	107		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
Toluene-d8 (Surr)	94		70 - 130

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

Lab Sample ID: MB 490-79810/1-A

Matrix: Solid

Analysis Batch: 80035

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Anthracene	ND		0.0670	0.00900	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Pyrene	ND		0.0670	0.0120	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		05/16/13 15:18	05/17/13 18:55	1

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Lab Sample ID: MB 490-79810/1-A

Matrix: Solid

Analysis Batch: 80035

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79810

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chrysene	ND		0.0670	0.00900	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Fluorene	ND		0.0670	0.0120	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		05/16/13 15:18	05/17/13 18:55	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		05/16/13 15:18	05/17/13 18:55	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	68		29 - 120	05/16/13 15:18	05/17/13 18:55	1
Terphenyl-d14 (Surr)	94		13 - 120	05/16/13 15:18	05/17/13 18:55	1
Nitrobenzene-d5 (Surr)	63		27 - 120	05/16/13 15:18	05/17/13 18:55	1

Lab Sample ID: LCS 490-79810/2-A

Matrix: Solid

Analysis Batch: 80035

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79810

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acenaphthylene	1.67	1.355		mg/Kg		81	38 - 120
Anthracene	1.67	1.379		mg/Kg		83	46 - 124
Benzo[a]anthracene	1.67	1.345		mg/Kg		81	45 - 120
Benzo[a]pyrene	1.67	1.373		mg/Kg		82	45 - 120
Benzo[b]fluoranthene	1.67	1.393		mg/Kg		84	42 - 120
Benzo[g,h,i]perylene	1.67	1.342		mg/Kg		81	38 - 120
Benzo[k]fluoranthene	1.67	1.359		mg/Kg		82	42 - 120
1-Methylnaphthalene	1.67	1.121		mg/Kg		67	32 - 120
Pyrene	1.67	1.428		mg/Kg		86	43 - 120
Phenanthrene	1.67	1.298		mg/Kg		78	45 - 120
Chrysene	1.67	1.347		mg/Kg		81	43 - 120
Dibenz(a,h)anthracene	1.67	1.404		mg/Kg		84	32 - 128
Fluoranthene	1.67	1.407		mg/Kg		84	46 - 120
Fluorene	1.67	1.373		mg/Kg		82	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.353		mg/Kg		81	41 - 121
Naphthalene	1.67	1.016		mg/Kg		61	32 - 120
2-Methylnaphthalene	1.67	1.125		mg/Kg		67	28 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	71		29 - 120
Terphenyl-d14 (Surr)	97		13 - 120
Nitrobenzene-d5 (Surr)	58		27 - 120

Lab Sample ID: 490-26699-B-1-B MS

Matrix: Solid

Analysis Batch: 80035

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 79810

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Acenaphthylene	ND		1.63	1.186		mg/Kg		73	25 - 120
Anthracene	ND		1.63	1.188		mg/Kg		73	28 - 125

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Lab Sample ID: 490-26699-B-1-B MS

Matrix: Solid

Analysis Batch: 80035

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 79810

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		1.63	1.147		mg/Kg		71	23 - 120
Benzo[a]pyrene	ND		1.63	1.146		mg/Kg		70	15 - 128
Benzo[b]fluoranthene	ND		1.63	1.178		mg/Kg		72	12 - 133
Benzo[g,h,i]perylene	ND		1.63	1.071		mg/Kg		66	22 - 120
Benzo[k]fluoranthene	ND		1.63	1.123		mg/Kg		69	28 - 120
1-Methylnaphthalene	ND		1.63	1.005		mg/Kg		62	10 - 120
Pyrene	ND		1.63	1.272		mg/Kg		78	20 - 123
Phenanthrene	ND		1.63	1.134		mg/Kg		70	21 - 122
Chrysene	ND		1.63	1.175		mg/Kg		72	20 - 120
Dibenz(a,h)anthracene	ND		1.63	1.129		mg/Kg		69	12 - 128
Fluoranthene	ND		1.63	1.192		mg/Kg		73	10 - 143
Fluorene	ND		1.63	1.165		mg/Kg		72	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.63	1.085		mg/Kg		67	22 - 121
Naphthalene	ND		1.63	0.9189		mg/Kg		57	10 - 120
2-Methylnaphthalene	ND		1.63	0.9899		mg/Kg		61	13 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	46		29 - 120
Terphenyl-d14 (Surr)	66		13 - 120
Nitrobenzene-d5 (Surr)	43		27 - 120

Lab Sample ID: 490-26699-B-1-C MSD

Matrix: Solid

Analysis Batch: 80035

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 79810

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	ND		1.63	1.406		mg/Kg		86	25 - 120	17	50
Anthracene	ND		1.63	1.415		mg/Kg		87	28 - 125	17	49
Benzo[a]anthracene	ND		1.63	1.388		mg/Kg		85	23 - 120	19	50
Benzo[a]pyrene	ND		1.63	1.391		mg/Kg		85	15 - 128	19	50
Benzo[b]fluoranthene	ND		1.63	1.501		mg/Kg		92	12 - 133	24	50
Benzo[g,h,i]perylene	ND		1.63	1.330		mg/Kg		82	22 - 120	22	50
Benzo[k]fluoranthene	ND		1.63	1.302		mg/Kg		80	28 - 120	15	45
1-Methylnaphthalene	ND		1.63	1.173		mg/Kg		72	10 - 120	15	50
Pyrene	ND		1.63	1.498		mg/Kg		92	20 - 123	16	50
Phenanthrene	ND		1.63	1.349		mg/Kg		83	21 - 122	17	50
Chrysene	ND		1.63	1.380		mg/Kg		85	20 - 120	16	49
Dibenz(a,h)anthracene	ND		1.63	1.411		mg/Kg		87	12 - 128	22	50
Fluoranthene	ND		1.63	1.400		mg/Kg		86	10 - 143	16	50
Fluorene	ND		1.63	1.364		mg/Kg		84	20 - 120	16	50
Indeno[1,2,3-cd]pyrene	ND		1.63	1.341		mg/Kg		82	22 - 121	21	50
Naphthalene	ND		1.63	1.104		mg/Kg		68	10 - 120	18	50
2-Methylnaphthalene	ND		1.63	1.167		mg/Kg		72	13 - 120	16	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	58		29 - 120
Terphenyl-d14 (Surr)	81		13 - 120

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Lab Sample ID: 490-26699-B-1-C MSD

Matrix: Solid

Analysis Batch: 80035

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 79810

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	56		27 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 490-26694-A-2 DU

Matrix: Solid

Analysis Batch: 79806

Client Sample ID: Duplicate

Prep Type: Total/NA

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Percent Solids	94		90		%			4	20

TestAmerica Nashville

QC Association Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

GC/MS VOA

Analysis Batch: 79620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26734-1	363 Aspen	Total/NA	Solid	8260B	79702
490-26734-3	747 Bluebell -1	Total/NA	Solid	8260B	79702
490-26734-4	747 Bluebell -2	Total/NA	Solid	8260B	79702
LCS 490-79620/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-79620/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-79620/6	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 79702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26734-1	363 Aspen	Total/NA	Solid	5035	
490-26734-2	312 Ash	Total/NA	Solid	5035	
490-26734-3	747 Bluebell -1	Total/NA	Solid	5035	
490-26734-4	747 Bluebell -2	Total/NA	Solid	5035	

Prep Batch: 79709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26734-3	747 Bluebell -1	Total/NA	Solid	5035	
490-26734-4	747 Bluebell -2	Total/NA	Solid	5035	

Analysis Batch: 79956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26734-2	312 Ash	Total/NA	Solid	8260B	79702
490-26734-4	747 Bluebell -2	Total/NA	Solid	8260B	79709
LCS 490-79956/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-79956/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-79956/6	Method Blank	Total/NA	Solid	8260B	
MB 490-79956/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 80297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26734-3	747 Bluebell -1	Total/NA	Solid	8260B	79709
490-26734-4	747 Bluebell -2	Total/NA	Solid	8260B	79709
LCS 490-80297/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-80297/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-80297/6	Method Blank	Total/NA	Solid	8260B	
MB 490-80297/7	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 79810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26699-B-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-26699-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-26734-1	363 Aspen	Total/NA	Solid	3550C	
490-26734-2	312 Ash	Total/NA	Solid	3550C	
490-26734-3	747 Bluebell -1	Total/NA	Solid	3550C	
490-26734-4	747 Bluebell -2	Total/NA	Solid	3550C	
LCS 490-79810/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-79810/1-A	Method Blank	Total/NA	Solid	3550C	

TestAmerica Nashville

QC Association Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

GC/MS Semi VOA (Continued)

Analysis Batch: 80035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26699-B-1-B MS	Matrix Spike	Total/NA	Solid	8270D	79810
490-26699-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	79810
490-26734-1	363 Aspen	Total/NA	Solid	8270D	79810
490-26734-2	312 Ash	Total/NA	Solid	8270D	79810
490-26734-3	747 Bluebell -1	Total/NA	Solid	8270D	79810
490-26734-4	747 Bluebell -2	Total/NA	Solid	8270D	79810
LCS 490-79810/2-A	Lab Control Sample	Total/NA	Solid	8270D	79810
MB 490-79810/1-A	Method Blank	Total/NA	Solid	8270D	79810

Analysis Batch: 80184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26734-4	747 Bluebell -2	Total/NA	Solid	8270D	79810

General Chemistry

Analysis Batch: 79806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26694-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
490-26734-1	363 Aspen	Total/NA	Solid	Moisture	
490-26734-2	312 Ash	Total/NA	Solid	Moisture	
490-26734-3	747 Bluebell -1	Total/NA	Solid	Moisture	
490-26734-4	747 Bluebell -2	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Client Sample ID: 363 Aspen

Date Collected: 05/06/13 14:15

Date Received: 05/15/13 08:30

Lab Sample ID: 490-26734-1

Matrix: Solid

Percent Solids: 73.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79702	05/16/13 12:03	ML	TAL NSH
Total/NA	Analysis	8260B		1	79620	05/16/13 17:42	KK	TAL NSH
Total/NA	Prep	3550C			79810	05/16/13 15:18	AK	TAL NSH
Total/NA	Analysis	8270D		1	80035	05/17/13 20:51	JS	TAL NSH
Total/NA	Analysis	Moisture		1	79806	05/16/13 15:10	CC	TAL NSH

Client Sample ID: 312 Ash

Date Collected: 05/07/13 11:35

Date Received: 05/15/13 08:30

Lab Sample ID: 490-26734-2

Matrix: Solid

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79702	05/16/13 12:03	ML	TAL NSH
Total/NA	Analysis	8260B		1	79956	05/17/13 14:47	KK	TAL NSH
Total/NA	Prep	3550C			79810	05/16/13 15:18	AK	TAL NSH
Total/NA	Analysis	8270D		1	80035	05/17/13 21:15	JS	TAL NSH
Total/NA	Analysis	Moisture		1	79806	05/16/13 15:10	CC	TAL NSH

Client Sample ID: 747 Bluebell -1

Date Collected: 05/09/13 13:45

Date Received: 05/15/13 08:30

Lab Sample ID: 490-26734-3

Matrix: Solid

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79702	05/16/13 12:03	ML	TAL NSH
Total/NA	Analysis	8260B		1	79620	05/16/13 19:12	KK	TAL NSH
Total/NA	Prep	5035			79709	05/16/13 11:57	ML	TAL NSH
Total/NA	Analysis	8260B		10	80297	05/19/13 16:22	KK	TAL NSH
Total/NA	Prep	3550C			79810	05/16/13 15:18	AK	TAL NSH
Total/NA	Analysis	8270D		1	80035	05/17/13 21:38	JS	TAL NSH
Total/NA	Analysis	Moisture		1	79806	05/16/13 15:10	CC	TAL NSH

Client Sample ID: 747 Bluebell -2

Date Collected: 05/09/13 14:15

Date Received: 05/15/13 08:30

Lab Sample ID: 490-26734-4

Matrix: Solid

Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79702	05/16/13 12:03	ML	TAL NSH
Total/NA	Analysis	8260B		1	79620	05/16/13 19:43	KK	TAL NSH
Total/NA	Prep	5035			79709	05/16/13 11:57	ML	TAL NSH
Total/NA	Analysis	8260B		1	79956	05/17/13 18:51	KK	TAL NSH
Total/NA	Prep	5035			79709	05/16/13 11:57	ML	TAL NSH
Total/NA	Analysis	8260B		10	80297	05/19/13 16:53	KK	TAL NSH
Total/NA	Prep	3550C			79810	05/16/13 15:18	AK	TAL NSH
Total/NA	Analysis	8270D		1	80035	05/17/13 22:02	JS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Client Sample ID: 747 Bluebell -2

Lab Sample ID: 490-26734-4

Date Collected: 05/09/13 14:15

Matrix: Solid

Date Received: 05/15/13 08:30

Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			79810	05/16/13 15:18	AK	TAL NSH
Total/NA	Analysis	8270D		5	80184	05/19/13 00:25	JS	TAL NSH
Total/NA	Analysis	Moisture		1	79806	05/16/13 15:10	CC	TAL NSH

Laboratory References:

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

Method Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Certification Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-26734-1

Laboratory: TestAmerica Nashville

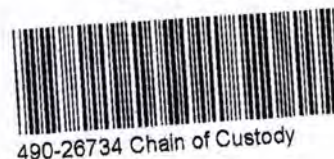
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Nashville

COOLER RECEIPT FORM



Cooler Received/Opened On 5/15/2013 @ 0830

1. Tracking # 1833 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 1.4 Degrees Celsius

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

4. Were custody seals on outside of cooler? one front YES NO...NA

If yes, how many and where:

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

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

I certify that I opened the cooler and answered questions 1-6 (Initial) DA

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (Initial) DA

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

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

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

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

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

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

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

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

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

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

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

Login Sample Receipt Checklist

Client: Environmental Enterprise Group

Job Number: 490-26734-1

Login Number: 26734

List Number: 1

Creator: Himelick, John

List Source: TestAmerica Nashville

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

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

Small Business Group, Inc.
10179 Highway 78
Ladson, SC 29456

TEL (843) 879-0403
FAX (843) 879-0401

TANK ID & LOCATION

UST 747Bluebell-1; 747 Bluebell Lane, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

Coastal Auto Salvage Co., Inc.
130 Laurel Bay Road
Beaufort, S.C. 29906

TYPE OF TANK

SIZE (GAL)

Steel

280

CLEANING/DISPOSAL METHOD

The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

DISPOSAL CERTIFICATION

I certify that the above tank, piping and equipment has been properly cleaned and disposed of.

T.L. V. Lee, 6/26/13

(Name)

(Date)



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of 1		716349		
3. Generator's Mailing Address: MCAS BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29904 4. Generator's Phone 843-879-0411				Generator's Site Address (if different than mailing):		A. Manifest Number WMNA 01519141		B. State Generator's ID		
5. Transporter 1 Company Name Carolina Containers 2800 1935 29901				6. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone 843-532-1500		
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL 2621 LOW COUNTRY DRIVE RIDGELAND, SC 29936				10. US EPA ID Number		G. State Facility ID		H. State Facility Phone 843-987-4643		
11. Description of Waste Materials				12. Containers		13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments		
				No.	Type					
a. HEATING OIL TANK FILLED WITH SAND WM Profile # 102655SC				1	20y	10.80	TON	716349		
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above				K. Disposal Location						
				Cell				Level		
				Grid						
15. Special Handling Instructions and Additional Information UST's from: 2) 364 ASPEN 4) 363 ASPEN 6) 1464 CARDINAL 1) 1209 CARDINAL 3) 360 ASPEN 5) 747 BLUEBELL-2										
Purchase Order #				EMERGENCY CONTACT / PHONE NO.:						
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.										
Printed Name Timothy Whaley				Signature "On behalf of" Timothy Whaley				Month 8	Day 14	Year 13
17. Transporter 1 Acknowledgement of Receipt of Materials								Month 8	Day 14	Year 13
Printed Name RATH SHAW				Signature				Month 8	Day 14	Year 13
18. Transporter 2 Acknowledgement of Receipt of Materials								Month	Day	Year
Printed Name				Signature						
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.										
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.										
Printed Name Tom Cofield				Signature Tom Cofield				Month 9	Day 3	Year 13

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

Appendix C
Laboratory Analytical Report - Initial Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: QK18003-009
Description: BEALB747TW02WG20151117	Matrix: Aqueous
Date Sampled: 11/17/2015 1220	
Date Received: 11/18/2015	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/23/2015 1558	JM1		90375

Parameter	CAS Number	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	1.3	J	5.0	0.51	0.21	ug/L	1
Naphthalene	91-20-3	8260B	31	B	5.0	0.96	0.14	ug/L	1
Toluene	108-88-3	8260B	0.47	J	5.0	0.48	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	J	5.0	0.57	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		92	75-120
1,2-Dichloroethane-d4		95	70-120
Toluene-d8		100	85-120
Dibromofluoromethane		93	85-115

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 are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

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

Semivolatile Organic Compounds by GC/MS (SIM)

Client: AECOM - Resolution Consultants	Laboratory ID: QK18003-009
Description: BEALB747TW02WG20151117	Matrix: Aqueous
Date Sampled: 11/17/2015 1220	
Date Received: 11/18/2015	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	11/25/2015 1639	JCG	11/19/2015 1536	90053

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	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		113	15-139
Fluoranthene-d10		100	23-154

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 are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

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

Appendix D
Laboratory Analytical Report – Permanent Well Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC25010-001
Description: BEALB747MW01WG20170323	Matrix: Aqueous
Date Sampled: 03/23/2017 1040	
Date Received: 03/25/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/28/2017 1452	TML		38220

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	2.1		1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	22		1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.70	J	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	85-114
Dibromofluoromethane		106	80-119
1,2-Dichloroethane-d4		102	81-118
Toluene-d8		106	89-112

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 are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC25010-001
Description: BEALB747MW01WG20170323	Matrix: Aqueous
Date Sampled: 03/23/2017 1040	
Date Received: 03/25/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	04/04/2017 1251	RBH	03/30/2017 1010	38407

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		48	44-120
2-Fluorobiphenyl		61	44-119
Terphenyl-d14		58	50-134

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 are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Appendix E

Regulatory Correspondence



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

July 1, 2015

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

RE: IGWA
Laurel Bay Underground Storage Tank Assessment Reports for:
See attached sheet

Dear Mr. Drawdy,

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

The Department has reviewed the referenced assessment reports. The submitted analytical results indicate that petroleum constituents are above established Risk-Based Screening Levels and additional investigation is warranted. Specifically, the Department requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at this site.

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

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

Sincerely,

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

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



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

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

Laurel Bay Underground Storage Tank Assessment Reports for: (97 addresses/110 tanks)

118 Banyan	343 Ash Tank 2
126 Banyan	344 Ash Tank 2
127 Banyan	347 Ash Tank 2
130 Banyan Tank 1	378 Aspen Tank 2
141 Laurel Bay	379 Aspen
151 Laurel Bay	382 Aspen Tank 1
224 Cypress	382 Aspen Tank 2
227 Cypress	394 Acorn Tank 2
256 Beech Tank 2	400 Elderberry
257 Beech Tank 1	432 Elderberry
257 Beech Tank 2	436 Elderberry
264 Beech	473 Dogwood Tank 2
265 Beech Tank 2	482 Laurel Bay
265 Beech Tank 3	517 Laurel Bay
275 Birch	586 Aster
277 Birch Tank 1	632 Dahlia
285 Birch	639 Dahlia Tank 2
292 Birch Tank 3	643 Dahlia Tank 1
297 Birch	644 Dahlia Tank 1
301 Ash	644 Dahlia Tank 2
306 Ash	646 Dahlia Tank 1
310 Ash Tank 1	646 Dahlia Tank 2
313 Ash	665 Camellia
315 Ash Tank 2	699 Abelia
316 Ash	744 Blue Bell
319 Ash	745 Blue Bell Tank 1
320 Ash	747 Blue Bell Tank 1
321 Ash	747 Blue Bell Tank 2
329 Ash	747 Blue Bell Tank 3
330 Ash Tank 2	749 Blue Bell Tank 1
331 Ash	749 Blue Bell Tank 2
332 Ash	751 Blue Bell
333 Ash	762 Althea
335 Ash Tank 1	765 Althea Tank 2
335 Ash Tank 2	766 Althea Tank 4
341 Ash	767 Althea Tank 1
342 Ash Tank 1	768 Althea Tank 2
342 Ash Tank 2	768 Althea Tank 3

Laurel Bay Underground Storage Tank Assessment Reports for: (98 addresses/110 tanks) cont.

768 Althea Tank 4	1067 Gardenia
769 Althea Tank 1	1077 Heather
769 Althea Tank 2	1081 Heather
775 Althea	1101 Iris Tank 2
819 Azalea	1104 Iris
840 Azalea	1105 Iris Tank 2
878 Cobia	1124 Iris Tank 2
891 Cobia	1142 Iris Tank 2
913 Barracuda	1146 Iris Tank 2
916 Barracuda	1218 Cardinal
923 Albacore	1240 Dove
1004 Bobwhite	1266 Dove
1022 Foxglove	1292 Eagle
1031 Foxglove	1299 Eagle Tank 1
1034 Foxglove Tank 2	1302 Eagle
1061 Gardenia Tank 3	1336 Albatross
1064 Gardenia	1351 Cardinal



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

June 8, 2016

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

RE: Approval and Concurrence with Draft Final Initial Groundwater Investigation Report-November and December 2015
Laurel Bay Military Housing Area Multiple Properties
Dated April 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 attached addresses on May 2, 2016. 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 15 stated addresses. For the remaining 80 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,

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-November and December 2015
Specific Property Recommendations
Dated June 8, 2016

Draft Final Initial Groundwater Investigation Report for (95 addresses)

[illegible]

No Further Action recommendation (80 addresses)

118 Banyan Drive	644 Dahlia Drive
126 Banyan Drive	646 Dahlia Drive
127 Banyan Drive	665 Camellia Drive
141 Laurel Bay Blvd	699 Abelia Street
151 Laurel Bay Blvd	744 Blue Bell Lane
224 Cypress Street	745 Blue Bell Lane
227 Cypress Street	751 Blue Bell Lane
257 Beech Street	762 Althea Street
264 Beech Street	765 Althea Street
265 Beech Street	766 Althea Street
275 Birch Drive	767 Althea Street
277 Birch Drive	768 Althea Street
297 Birch Drive	769 Althea Street
301 Ash Street	819 Azalea Drive
306 Ash Street	840 Azalea Drive
310 Ash Street	878 Cobia Drive
313 Ash Street	891 Cobia Drive
315 Ash Street	913 Barracuda Drive
316 Ash Street	916 Barracuda Drive
319 Ash Street	923 Wren Lane
320 Ash Street	1004 Bobwhite Drive
321 Ash Street	1022 Foxglove Street
329 Ash Street	1031 Foxglove Street
332 Ash Street	1061 Gardenia Drive
333 Ash Street	1064 Gardenia Drive
341 Ash Street	1067 Gardenia Drive
347 Ash Street	1077 Heather Street
378 Aspen Street	1081 Heather Street
379 Aspen Street	1101 Iris Lane
382 Aspen Street	1105 Iris Lane
394 Acorn Street	1142 Iris Lane
400 Elderberry Drive	1146 Iris Lane
432 Elderberry Drive	1218 Cardinal Lane
436 Elderberry Drive	1240 Dove Lane
482 Laurel Bay Blvd	1266 Dove Lane
517 Laurel Bay Blvd	1292 Eagle Lane
586 Aster Street	1299 Eagle Lane
632 Dahlia Drive	1302 Eagle Lane
639 Dahlia Drive	1336 Albatross Drive
643 Dahlia Drive	1351 Cardinal Lane



December 11, 2017

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

RE: Approved Response to Comments
Draft Final Revision 1 Groundwater Assessment Report March and April 2017
Laurel Bay Military Housing Area

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced report on November 2, 2017. 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).

DHEC has reviewed the report. Based on this review, DHEC has not generated any additional comments.

Please note that DHEC'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, DHEC 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,

Laurel Petrus
Department of Defense Corrective Action Section

Cc: EQC Region 8
Shawn Dolan, Resolution Consultants
Bryan Beck, NAVFAC MIDLANT