SUMMARY REPORT
427 ASH STREET (FORMERLY 340 ASH STREET)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0

Prepared for:

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

and

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

JUNE 2021

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Prepared by:

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

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

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Appendices

List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 427 Ash Street (Formerly 340 Ash Street). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

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

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

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

1.2 UST Removal and Assessment Process

During the UST removal process, a soil sample was collected from beneath the UST excavations (approximately 4 to 6 feet [ft] below ground surface [bgs]) and analyzed for a predetermined list of constituents of potential concern (COPCs) associated with the petroleum compounds found in home heating oil. These COPCs, derived from the *Quality Assurance Program Plan (QAPP) for the Underground Storage Tank Management Division, Revision 3.1* (SCDHEC, 2016) and the *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service,* (SCDHEC, 2018), are as follows:

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

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

Division (SCDHEC, 2016), the soil screening levels consists of SCDHEC risk-based screening levels (RBSLs). It should be noted that the RBSLs for select PAHs were revised in Revision 2.0 of the QAPP (SCDHEC, 2013) and were revised again in Revision 3.0 (SCDHEC, 2015). The screening levels used for evaluation at each site were those levels that were in effect at the time of reporting and review by SCDHEC.

The results of the soil sampling at each former UST location were used to determine if a potential for groundwater contamination exists (i.e., soil results greater than RBSLs) and subsequently to select properties for follow-up initial groundwater assessment (IGWA) sampling. The results of the IGWA sampling (if necessary) are used to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations will require additional delineation of COPCs in groundwater. In order to delineate the extent of impact to groundwater, permanent wells are installed and a sampling program is established for those former UST locations where IGWA sampling has indicated the presence of COPCs in excess of the SCDHEC RBSLs for groundwater. Groundwater analytical results are also compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion and the necessity for an investigation associated with this media. A multi-media investigation selection process tree, applicable to the LBMH UST investigations, is presented as Appendix A.

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 427 Ash Street (Formerly 340 Ash Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 340 Ash Street* (MCAS Beaufort, 2014). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

In January 2014, two 280 gallon heating oil USTs were removed from the rear patio area at 427 Ash Street (Formerly 340 Ash Street). The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (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 Report (Appendix B), the depths to the bases of the USTs were 6'0" bgs (Tank 1) and 4'0" bgs (Tank 2) and a single soil sample was collected for each from those depths.

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 base of each excavation and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 0217) and assessment guidelines.

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional *sampling* or NFA) for the property. The soil results collected from the former UST locations (Tanks 1 and 2) at 427 Ash Street (Formerly 340 Ash Street) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former USTs at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 427 Ash Street (Formerly 340 Ash Street). This NFA determination was obtained in a letter dated October 1, 2014. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2014. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 340 Ash Street, Laurel Bay Military Housing Area*, September 2014.

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

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

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

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

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

Table

Table 1
Laboratory Analytical Results - Soil
427 Ash Street (Formerly 340 Ash Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 01/15/14 and 01/21/14	
		340 Ash-1 01/15/14	340 Ash-2 01/21/14
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	**0.00125**
Ethylbenzene	1.15	**0.00306**	ND
Naphthalene	0.036	**0.0217**	**0.0114**
Toluene	0.627	**0.00162**	ND
Xylenes, Total	13.01	**0.0161**	**0.0104**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	**0.0734**	ND
Benzo(b)fluoranthene	0.66	**0.0693**	ND
Benzo(k)fluoranthene	0.66	ND	ND
Chrysene	0.66	**0.0719**	ND
Dibenz(a,h)anthracene	0.66	ND	ND

Notes:

[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 and 3.1 (SCDHEC, May 2015 and SCDHEC, February 2016) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligram per kilogram

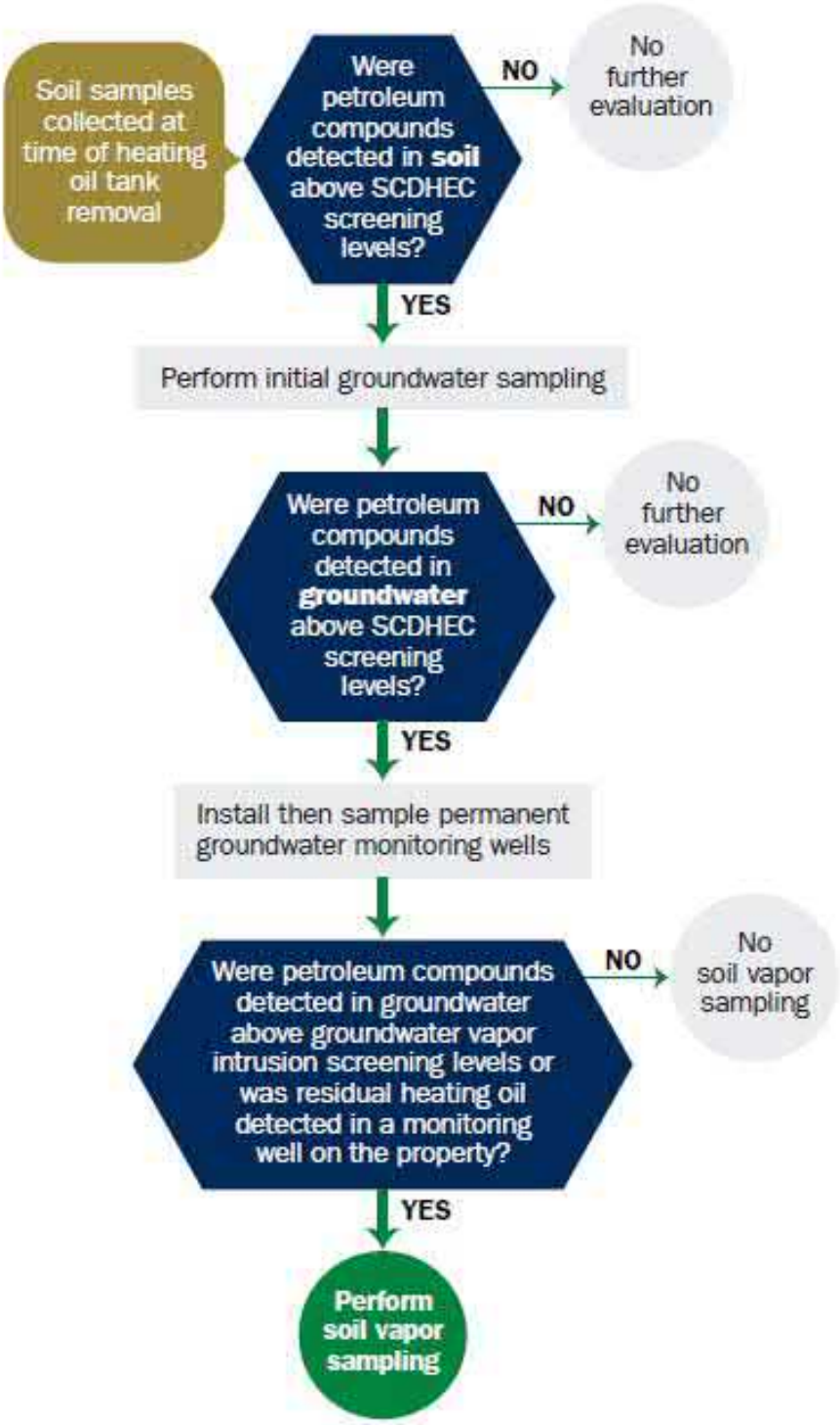
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

CDM - AECOM
Multimedia Joint Venture

Rec'd 9/11/14

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received State Use Only

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

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

340 Ash Street, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

Beaufort,	Beaufort
City	County

Attachment 2

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

340Ash-1	340Ash-2	
Heating oil	Heating oil	
280 gal	280 gal	
Late 1950s	Late 1950s	
Steel	Steel	
Mid 80s	Mid 80s	
6'	4'	
No	No	
No	No	
Removed	Removed	
1/15/2014	1/21/2014	
Yes	Yes	
Yes	Yes	

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.....

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

UST 340Ash-1 was removed from the ground and recycled. UST 340Ash-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 340Ash-1 and disposed by MCAS.

UST 340Ash-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

	340Ash-1	340Ash-2	
A. Construction Material..(ex. Steel, FRP).....	Steel & Copper	Steel & Copper	
B. Distance from UST to Dispenser.....	N/A	N/A	
C. Number of Dispensers.....	N/A	N/A	
D. Type of System Pressure or Suction.....	Suction	Suction	
E. Was Piping Removed from the Ground? Y/N	No	No	
F. Visible Corrosion or Pitting Y/N.....	Yes	Yes	
G. Visible Holes Y/N.....	No	No	
H. Age.....	Late 1950s	Late 1950s	

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

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.

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
340Ash-1	Excav at fill end	Soil	Sandy	6'	1/15/14 1515 hrs	P. Shaw	
340Ash-2	Excav at fill end	Soil	Sandy	4'	1/21/14 1315 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.

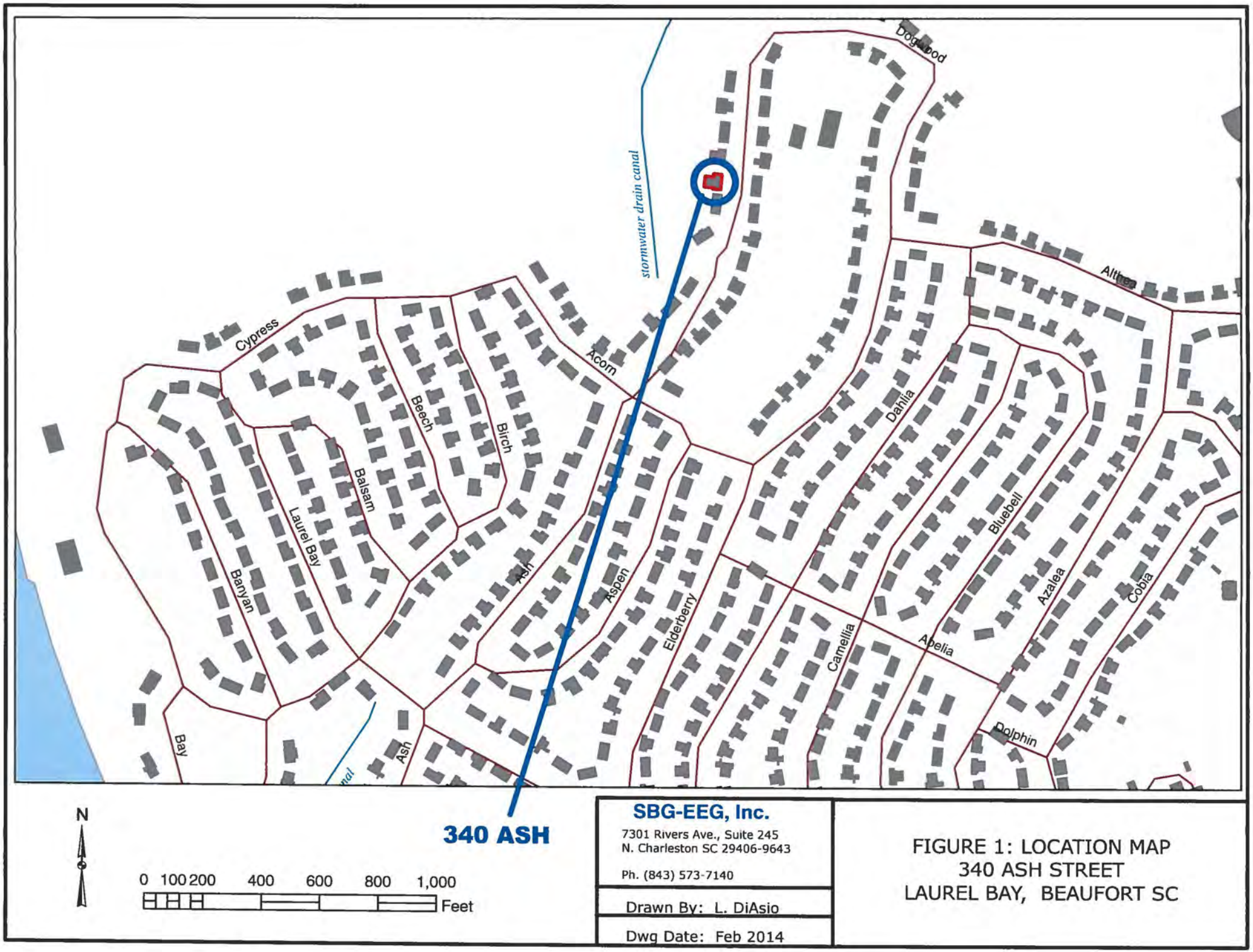
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Stormwater drainage canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
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 & geothermal If yes, indicate the type of utility, distance, and direction on the site map.	*X	
E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete? If yes, indicate the area of contaminated soil on the site map.		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)

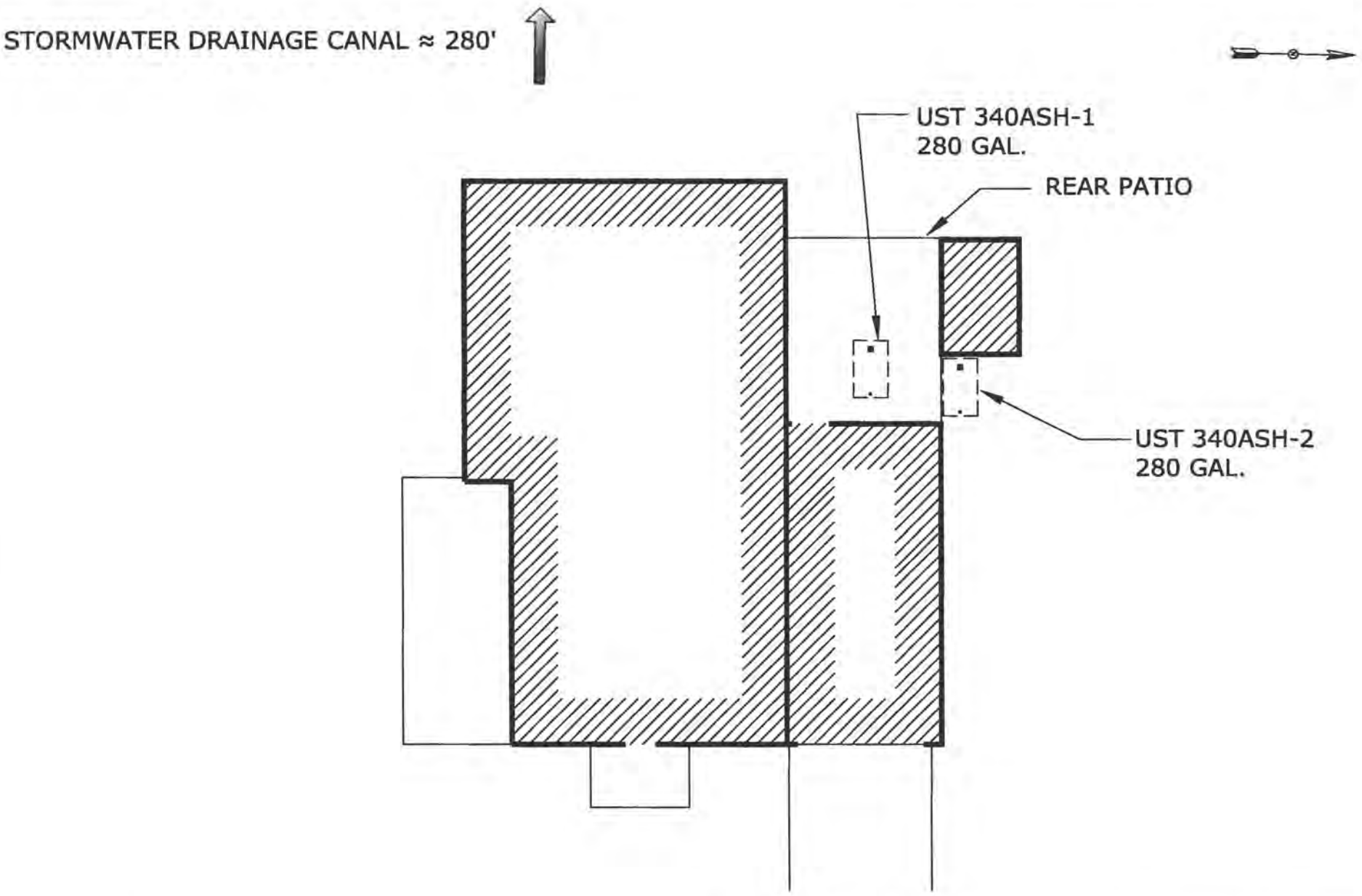


SBG-EEG, Inc.
7301 Rivers Ave., Suite 245
N. Charleston SC 29406-9643
Ph. (843) 573-7140

Drawn By: L. DiAsio

Dwg Date: Feb 2014

FIGURE 1: LOCATION MAP
340 ASH STREET
LAUREL BAY, BEAUFORT SC



GRAPHIC SCALE

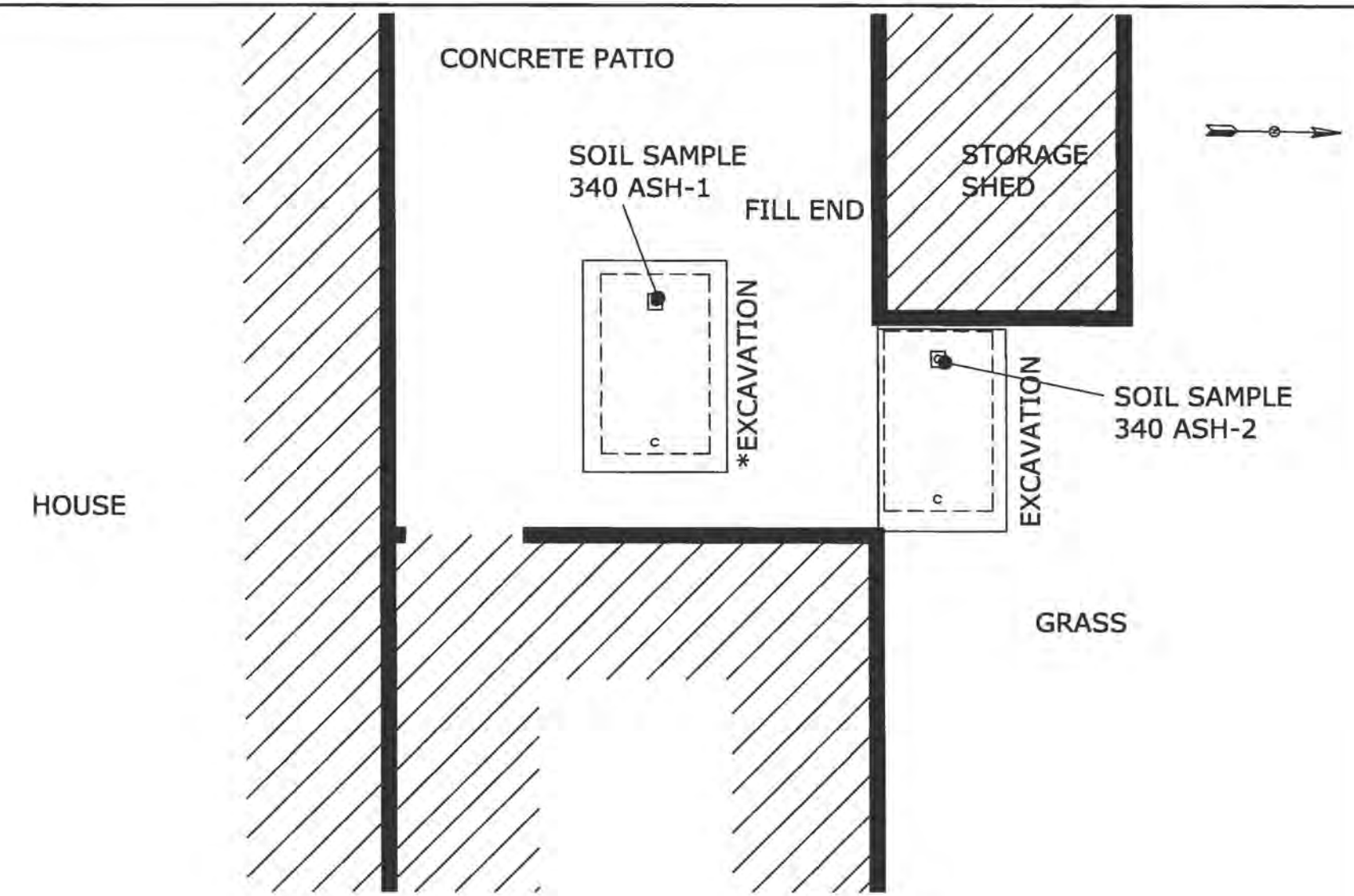
0 5' 10' 20'

TANK DEPTH BELOW GRADE
340ASH-1 = 36"
340ASH-2 = 12"

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

FIGURE 2 SITE MAP
340 ASH STREET, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE FEB 2014



*A PORTION OF THE PATIO WAS REMOVED TO FACILITATE EXTRACTING TANK 340 ASH-1.

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

FIGURE 3 UST SAMPLE LOCATIONS
340 ASH STREET LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE FEB 2014

Picture 1: Location of tank 340 Ash-1.

Picture 2: UST 340Ash-1 excavation.

Picture 3: UST 340Ash-2 excavation.

Picture 4: 340 Ash-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	340Ash-1		340Ash-2		
Benzene	ND		0.00125 mg/kg		
Toluene	0.00162 mg/kg		ND		
Ethylbenzene	0.00306 mg/kg		ND		
Xylenes	0.0161 mg/kg		0.0104 mg/kg		
Naphthalene	0.0217 mg/kg		0.0114 mg/kg		
Benzo (a) anthracene	0.0734 mg/kg		ND		
Benzo (b) fluoranthene	0.0693 mg/kg		ND		
Benzo (k) fluoranthene	ND		ND		
Chrysene	0.0719 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: 490-44955-1
Client Project/Site: Laurel Bay Housing Project

For:
Small Business Group Inc.
10179 Highway 78
Ladson, South Carolina 29456

Attn: Tom McElwee

Heather Baker

Authorized for release by:
1/27/2014 12:59:54 PM
Heather Baker, Project Manager I
(615)301-5043
heather.baker@testamericainc.com

Designee for

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

..... LINKS .....

Review your project results through TotalAccess

Have a Question? Ask The Expert

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.

Table of Contents

Sample Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-44955-1	929 Albacore	Soil	01/14/14 14:00	01/22/14 08:30
490-44955-2	340 Ash-1	Soil	01/15/14 15:15	01/22/14 08:30

Job ID: 490-44955-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-44955-1

Comments
No additional comments.

Receipt
The samples were received on 1/22/2014 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA
Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 136729. See LCS/LCSD.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The method blank for batch 136933 contained Phenanthrene above the method detection limit. The target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8270D: The method blank for preparation batch 136933 contained Acenaphthylene above the reporting limit (RL). None of the following samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed: 340 Ash-1 (490-44955-2), 929 Albacore (490-44955-1).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS 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.

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.
B	Compound was found in the blank and sample.

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)
Dil Fac	Dilution Factor
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)
NC	Not Calculated
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: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

Client Sample ID: 929 Albacore

Date Collected: 01/14/14 14:00
Date Received: 01/22/14 08:30

Lab Sample ID: 490-44955-1

Matrix: Soil
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00260	0.000869	mg/Kg		01/22/14 12:16	01/22/14 16:39	1
Ethylbenzene	ND		0.00260	0.000869	mg/Kg		01/22/14 12:16	01/22/14 16:39	1
Naphthalene	ND		0.00649	0.00221	mg/Kg		01/22/14 12:16	01/22/14 16:39	1
Toluene	ND		0.00260	0.000960	mg/Kg		01/22/14 12:16	01/22/14 16:39	1
Xylenes, Total	ND		0.00649	0.000869	mg/Kg		01/22/14 12:16	01/22/14 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*70*		*70 - 130*	*01/22/14 12:16*	*01/22/14 16:39*	*1*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*01/22/14 12:16*	*01/22/14 16:39*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*01/22/14 12:16*	*01/22/14 16:39*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*01/22/14 12:16*	*01/22/14 16:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0766	0.0114	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Acenaphthylene	ND		0.0766	0.0103	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Anthracene	ND		0.0766	0.0103	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Benzo[a]anthracene	ND		0.0766	0.0171	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Benzo[a]pyrene	ND		0.0766	0.0137	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Benzo[b]fluoranthene	ND		0.0766	0.0137	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Benzo[g,h,i]perylene	ND		0.0766	0.0103	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Benzo[k]fluoranthene	ND		0.0766	0.0160	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
1-Methylnaphthalene	ND		0.0766	0.0160	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Pyrene	ND		0.0766	0.0137	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Phenanthrene	ND		0.0766	0.0103	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Chrysene	ND		0.0766	0.0103	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Dibenz(a,h)anthracene	ND		0.0766	0.00800	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Fluoranthene	ND		0.0766	0.0103	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Fluorene	ND		0.0766	0.0137	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Indeno[1,2,3-cd]pyrene	ND		0.0766	0.0114	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
Naphthalene	ND		0.0766	0.0103	mg/Kg		01/22/14 16:07	01/23/14 18:38	1
2-Methylnaphthalene	ND		0.0766	0.0183	mg/Kg		01/22/14 16:07	01/23/14 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*29 - 120*	*01/22/14 16:07*	*01/23/14 18:38*	*1*
Terphenyl-d14 (Surr)	*71*		*13 - 120*	*01/22/14 16:07*	*01/23/14 18:38*	*1*
Nitrobenzene-d5 (Surr)	*60*		*27 - 120*	*01/22/14 16:07*	*01/23/14 18:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10	0.10	%			01/22/14 13:46	1

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

Client Sample ID: 340 Ash-1

Date Collected: 01/15/14 15:15
Date Received: 01/22/14 08:30

Lab Sample ID: 490-44955-2

Matrix: Soil
Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00202	0.000678	mg/Kg		01/22/14 12:16	01/22/14 17:09	1
Ethylbenzene	**0.00306**		0.00202	0.000678	mg/Kg		01/22/14 12:16	01/22/14 17:09	1
Naphthalene	**0.0217**		0.00506	0.00172	mg/Kg		01/22/14 12:16	01/22/14 17:09	1
Toluene	**0.00162**	J	0.00202	0.000749	mg/Kg		01/22/14 12:16	01/22/14 17:09	1
Xylenes, Total	**0.0161**		0.00506	0.000678	mg/Kg		01/22/14 12:16	01/22/14 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*	*01/22/14 12:16*	*01/22/14 17:09*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*01/22/14 12:16*	*01/22/14 17:09*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*01/22/14 12:16*	*01/22/14 17:09*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*01/22/14 12:16*	*01/22/14 17:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0770	0.0115	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Acenaphthylene	ND		0.0770	0.0103	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Anthracene	**0.0191**	J	0.0770	0.0103	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Benzo[a]anthracene	**0.0734**	J	0.0770	0.0172	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Benzo[a]pyrene	ND		0.0770	0.0138	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Benzo[b]fluoranthene	**0.0693**	J	0.0770	0.0138	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Benzo[g,h,i]perylene	ND		0.0770	0.0103	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Benzo[k]fluoranthene	ND		0.0770	0.0161	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
1-Methylnaphthalene	**0.0882**		0.0770	0.0161	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Pyrene	**0.128**		0.0770	0.0138	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Phenanthrene	**0.0749**	J B	0.0770	0.0103	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Chrysene	**0.0719**	J	0.0770	0.0103	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Dibenz(a,h)anthracene	ND		0.0770	0.00805	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Fluoranthene	**0.119**		0.0770	0.0103	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Fluorene	ND		0.0770	0.0138	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Indeno[1,2,3-cd]pyrene	ND		0.0770	0.0115	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
Naphthalene	ND		0.0770	0.0103	mg/Kg		01/22/14 16:07	01/23/14 19:00	1
2-Methylnaphthalene	ND		0.0770	0.0184	mg/Kg		01/22/14 16:07	01/23/14 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*29 - 120*	*01/22/14 16:07*	*01/23/14 19:00*	*1*
Terphenyl-d14 (Surr)	*69*		*13 - 120*	*01/22/14 16:07*	*01/23/14 19:00*	*1*
Nitrobenzene-d5 (Surr)	*61*		*27 - 120*	*01/22/14 16:07*	*01/23/14 19:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10	0.10	%			01/22/14 13:46	1

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

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

Lab Sample ID: MB 490-136729/7
Matrix: Solid
Analysis Batch: 136729

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			01/22/14 13:12	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			01/22/14 13:12	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			01/22/14 13:12	1
Toluene	ND		0.00200	0.000740	mg/Kg			01/22/14 13:12	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			01/22/14 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*01/22/14 13:12*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*01/22/14 13:12*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*01/22/14 13:12*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/22/14 13:12*	*1*

Lab Sample ID: LCS 490-136729/3
Matrix: Solid
Analysis Batch: 136729

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	0.04788		mg/Kg		96	75 - 127
Ethylbenzene	0.0500	0.04627		mg/Kg		93	80 - 134
Naphthalene	0.0500	0.04356		mg/Kg		87	69 - 150
Toluene	0.0500	0.04751		mg/Kg		95	80 - 132
Xylenes, Total	0.100	0.08575		mg/Kg		86	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 490-136729/4
Matrix: Solid
Analysis Batch: 136729

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	0.04761		mg/Kg		95	75 - 127	1	50
Ethylbenzene	0.0500	0.04406		mg/Kg		88	80 - 134	5	50
Naphthalene	0.0500	0.04747		mg/Kg		95	69 - 150	9	50
Toluene	0.0500	0.04192		mg/Kg		84	80 - 132	13	50
Xylenes, Total	0.100	0.08335		mg/Kg		83	80 - 137	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
Dibromofluoromethane (Surr)	*114*		*70 - 130*
Toluene-d8 (Surr)	*87*		*70 - 130*

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

Lab Sample ID: MB 490-136933/1-A
Matrix: Solid
Analysis Batch: 137131

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Acenaphthylene	0.09873		0.0670	0.00900	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Anthracene	ND		0.0670	0.00900	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Pyrene	ND		0.0670	0.0120	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Phenanthrene	0.03632	J	0.0670	0.00900	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Chrysene	ND		0.0670	0.00900	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Fluorene	ND		0.0670	0.0120	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		01/22/14 16:07	01/23/14 16:48	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		01/22/14 16:07	01/23/14 16:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*29 - 120*	*01/22/14 16:07*	*01/23/14 16:48*	*1*
Terphenyl-d14 (Surr)	*89*		*13 - 120*	*01/22/14 16:07*	*01/23/14 16:48*	*1*
Nitrobenzene-d5 (Surr)	*81*		*27 - 120*	*01/22/14 16:07*	*01/23/14 16:48*	*1*

Lab Sample ID: LCS 490-136933/2-A
Matrix: Solid
Analysis Batch: 137131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.502		mg/Kg		90	38 - 120
Anthracene	1.67	1.450		mg/Kg		87	46 - 124
Benzo[a]anthracene	1.67	1.362		mg/Kg		82	45 - 120
Benzo[a]pyrene	1.67	1.437		mg/Kg		86	45 - 120
Benzo[b]fluoranthene	1.67	1.579		mg/Kg		95	42 - 120
Benzo[g,h,i]perylene	1.67	1.458		mg/Kg		87	38 - 120
Benzo[k]fluoranthene	1.67	1.241		mg/Kg		74	42 - 120
1-Methylnaphthalene	1.67	1.307		mg/Kg		78	32 - 120
Pyrene	1.67	1.397		mg/Kg		84	43 - 120
Phenanthrene	1.67	1.349		mg/Kg		81	45 - 120
Chrysene	1.67	1.417		mg/Kg		85	43 - 120
Dibenz(a,h)anthracene	1.67	1.552		mg/Kg		93	32 - 128
Fluoranthene	1.67	1.377		mg/Kg		83	46 - 120
Fluorene	1.67	1.376		mg/Kg		83	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.419		mg/Kg		85	41 - 121
Naphthalene	1.67	1.360		mg/Kg		82	32 - 120
2-Methylnaphthalene	1.67	1.302		mg/Kg		78	28 - 120

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

Lab Sample ID: LCS 490-136933/2-A
Matrix: Solid
Analysis Batch: 137131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136933

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	80		29 - 120
Terphenyl-d14 (Surr)	84		13 - 120
Nitrobenzene-d5 (Surr)	79		27 - 120

Lab Sample ID: 490-44955-2 MS
Matrix: Soil
Analysis Batch: 137131

Client Sample ID: 340 Ash-1
Prep Type: Total/NA
Prep Batch: 136933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		1.88	1.340		mg/Kg		71	25 - 120
Anthracene	0.0191	J	1.88	1.337		mg/Kg		70	28 - 125
Benzo[a]anthracene	0.0734	J	1.88	1.264		mg/Kg		63	23 - 120
Benzo[a]pyrene	ND		1.88	1.309		mg/Kg		70	15 - 128
Benzo[b]fluoranthene	0.0693	J	1.88	1.307		mg/Kg		66	12 - 133
Benzo[g,h,i]perylene	ND		1.88	1.284		mg/Kg		68	22 - 120
Benzo[k]fluoranthene	ND		1.88	1.290		mg/Kg		69	28 - 120
1-Methylnaphthalene	0.0882		1.88	1.555		mg/Kg		78	10 - 120
Pyrene	0.128		1.88	1.344		mg/Kg		65	20 - 123
Phenanthrene	0.0749	J B	1.88	1.454		mg/Kg		73	21 - 122
Chrysene	0.0719	J	1.88	1.295		mg/Kg		65	20 - 120
Dibenz(a,h)anthracene	ND		1.88	1.344		mg/Kg		71	12 - 128
Fluoranthene	0.119		1.88	1.342		mg/Kg		65	10 - 143
Fluorene	ND		1.88	1.278		mg/Kg		68	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.88	1.284		mg/Kg		68	22 - 121
Naphthalene	ND		1.88	1.200		mg/Kg		64	10 - 120
2-Methylnaphthalene	ND		1.88	1.322		mg/Kg		70	13 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	62		29 - 120
Terphenyl-d14 (Surr)	66		13 - 120
Nitrobenzene-d5 (Surr)	65		27 - 120

Lab Sample ID: 490-44955-2 MSD
Matrix: Soil
Analysis Batch: 137131

Client Sample ID: 340 Ash-1
Prep Type: Total/NA
Prep Batch: 136933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	ND		1.86	1.282		mg/Kg		69	25 - 120	4	50
Anthracene	0.0191	J	1.86	1.555		mg/Kg		83	28 - 125	15	49
Benzo[a]anthracene	0.0734	J	1.86	1.592		mg/Kg		82	23 - 120	23	50
Benzo[a]pyrene	ND		1.86	1.606		mg/Kg		86	15 - 128	20	50
Benzo[b]fluoranthene	0.0693	J	1.86	1.853		mg/Kg		96	12 - 133	35	50
Benzo[g,h,i]perylene	ND		1.86	1.572		mg/Kg		85	22 - 120	20	50
Benzo[k]fluoranthene	ND		1.86	1.439		mg/Kg		77	28 - 120	11	45
1-Methylnaphthalene	0.0882		1.86	1.268		mg/Kg		63	10 - 120	20	50
Pyrene	0.128		1.86	1.682		mg/Kg		84	20 - 123	22	50
Phenanthrene	0.0749	J B	1.86	1.701		mg/Kg		87	21 - 122	16	50
Chrysene	0.0719	J	1.86	1.660		mg/Kg		85	20 - 120	25	49

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

Lab Sample ID: 490-44955-2 MSD
Matrix: Soil
Analysis Batch: 137131

Client Sample ID: 340 Ash-1
Prep Type: Total/NA
Prep Batch: 136933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene	ND		1.86	1.664		mg/Kg	¤	89	12 - 128	21	50
Fluoranthene	0.119		1.86	1.720		mg/Kg	¤	86	10 - 143	25	50
Fluorene	ND		1.86	1.426		mg/Kg	¤	77	20 - 120	11	50
Indeno[1,2,3-cd]pyrene	ND		1.86	1.585		mg/Kg	¤	85	22 - 121	21	50
Naphthalene	ND		1.86	0.9482		mg/Kg	¤	51	10 - 120	23	50
2-Methylnaphthalene	ND		1.86	1.118		mg/Kg	¤	60	13 - 120	17	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*53*		*29 - 120*
Terphenyl-d14 (Surr)	*76*		*13 - 120*
Nitrobenzene-d5 (Surr)	*54*		*27 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-44955-1 DU
Matrix: Soil
Analysis Batch: 136859

Client Sample ID: 929 Albacore
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	87		87		%		0.9	20

QC Association Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

GC/MS VOA

Analysis Batch: 136729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-44955-1	929 Albacore	Total/NA	Soil	8260B	136824
490-44955-2	340 Ash-1	Total/NA	Soil	8260B	136824
LCS 490-136729/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-136729/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-136729/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 136824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-44955-1	929 Albacore	Total/NA	Soil	5035	
490-44955-2	340 Ash-1	Total/NA	Soil	5035	

GC/MS Semi VOA

Prep Batch: 136933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-44955-1	929 Albacore	Total/NA	Soil	3550C	
490-44955-2	340 Ash-1	Total/NA	Soil	3550C	
490-44955-2 MS	340 Ash-1	Total/NA	Soil	3550C	
490-44955-2 MSD	340 Ash-1	Total/NA	Soil	3550C	
LCS 490-136933/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-136933/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 137131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-44955-1	929 Albacore	Total/NA	Soil	8270D	136933
490-44955-2	340 Ash-1	Total/NA	Soil	8270D	136933
490-44955-2 MS	340 Ash-1	Total/NA	Soil	8270D	136933
490-44955-2 MSD	340 Ash-1	Total/NA	Soil	8270D	136933
LCS 490-136933/2-A	Lab Control Sample	Total/NA	Solid	8270D	136933
MB 490-136933/1-A	Method Blank	Total/NA	Solid	8270D	136933

General Chemistry

Analysis Batch: 136859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-44955-1	929 Albacore	Total/NA	Soil	Moisture	
490-44955-1 DU	929 Albacore	Total/NA	Soil	Moisture	
490-44955-2	340 Ash-1	Total/NA	Soil	Moisture	

Lab Chronicle

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

Client Sample ID: 929 Albacore

Date Collected: 01/14/14 14:00
Date Received: 01/22/14 08:30

Lab Sample ID: 490-44955-1
Matrix: Soil
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.407 g	5.0 mL	136824	01/22/14 12:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.407 g	5.0 mL	136729	01/22/14 16:39	SNR	TAL NSH
Total/NA	Prep	3550C			30.01 g	1.00 mL	136933	01/22/14 16:07	BJB	TAL NSH
Total/NA	Analysis	8270D		1	30.01 g	1.00 mL	137131	01/23/14 18:38	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			136859	01/22/14 13:46	RRS	TAL NSH

Client Sample ID: 340 Ash-1

Date Collected: 01/15/14 15:15
Date Received: 01/22/14 08:30

Lab Sample ID: 490-44955-2
Matrix: Soil
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.682 g	5.0 mL	136824	01/22/14 12:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.682 g	5.0 mL	136729	01/22/14 17:09	SNR	TAL NSH
Total/NA	Prep	3550C			30.00 g	1.00 mL	136933	01/22/14 16:07	BJB	TAL NSH
Total/NA	Analysis	8270D		1	30.00 g	1.00 mL	137131	01/23/14 19:00	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			136859	01/22/14 13:46	RRS	TAL NSH

Laboratory References:

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

Method Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

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: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-44955-1

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
A2LA	ISO/IEC 17025		0453.07	12-31-15
Alaska (UST)	State Program	10	UST-087	07-24-14
Arizona	State Program	9	AZ0473	05-05-14
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-14
California	NELAP	9	1168CA	10-31-14
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Connecticut	State Program	1	PH-0220	12-31-15
Florida	NELAP	4	E87358	06-30-14
Illinois	NELAP	5	200010	12-09-14
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-14
Kentucky (UST)	State Program	4	19	06-30-14
Louisiana	NELAP	6	30613	06-30-14
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-14
Minnesota	NELAP	5	047-999-345	12-31-14
Mississippi	State Program	4	N/A	06-30-14
Montana (UST)	State Program	8	NA	01-01-20
Nevada	State Program	9	TN00032	07-31-14
New Hampshire	NELAP	1	2963	10-10-14
New Jersey	NELAP	2	TN965	06-30-14
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-14
North Dakota	State Program	8	R-146	06-30-14
Ohio VAP	State Program	5	CL0033	10-16-15
Oklahoma	State Program	6	9412	08-31-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-14
Rhode Island	State Program	1	LAO00268	12-30-14
South Carolina	State Program	4	84009 (001)	02-28-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-14
USDA	Federal		S-48469	10-30-16
Utah	NELAP	8	TN00032	07-31-14
Virginia	NELAP	3	460152	06-14-14
Washington	State Program	10	C789	07-19-14
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-14
Wyoming (UST)	A2LA	8	453.07	12-31-15

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Charleston

490-44955 Chain of Custody

Cooler Received/Opened On 1/22/2014 @ 0830

1. Tracking # 6647 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 2.0 *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? YES...NO...NA

If yes, how many and where: 1 (Front) 1 (back)

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 (Intial) MH

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

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

I certify that I unloaded the cooler and answered questions 7-14 (Intial) MDW

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 (Intial) MDW

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 (Intial) MDW

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/2012

Loc: 490
44955

1/27/2014

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring? Yes ____ No ____
Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Site State: SC
Project Manager: Tom McElwee email: mcelwee@eeginc.net
PO#: 1027
Telephone Number: 843.412.2987 Fax No.: (843)-879-0401
TA Quote #:
Sampler Name: (Print) Pratt Shaw
Project ID: Laurel Bay Housing Project
Sampler Signature:
Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass (Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
929 Albacore	1/14/14	1400	5	X					2				2	1					X		X	X				
390 Ash - 1	1/15/14	1515	5	X					2				2	1					X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	1/21/14	0900	FedEx		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				1-22-14	0830

Laboratory Comments:
Temperature Upon Receipt: 2.0°c
VOCs Free of Headspace? Y N

Login Sample Receipt Checklist

Client: Small Business Group Inc

Job Number: 490-44955-1

Login Number: 44955
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	N/A	
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	2.0
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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: 490-45557-1
Client Project/Site: Laurel Bay Housing Project

For:
Small Business Group Inc.
10179 Highway 78
Ladson, South Carolina 29456

Attn: Tom McElwee

Authorized for release by:
2/6/2014 2:42:49 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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.

Table of Contents

Sample Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-45557-1	340 Ash-2	Soil	01/21/14 13:15	01/31/14 08:15
490-45557-2	1352 Cardinal	Soil	01/22/14 14:45	01/31/14 08:15
490-45557-3	509 Laurel Bay	Soil	01/23/14 12:15	01/31/14 08:15
490-45557-4	1463 Cardinal	Soil	01/27/14 15:00	01/31/14 08:15

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

Job ID: 490-45557-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-45557-1

Comments
No additional comments.

Receipt
The samples were received on 1/31/2014 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

GC/MS VOA
Method(s) 8260B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): 1352 Cardinal (490-45557-2).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1352 Cardinal (490-45557-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 138971. See LCS/LCSD.

Method(s) 8260B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): 1463 Cardinal (490-45557-4).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1463 Cardinal (490-45557-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 139335. See LCS/LCSD.

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 139043 was outside control limits: (490-45545-1 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.

Qualifiers

GC/MS 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
*	ISTD response or retention time outside acceptable limits
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)
Dil Fac	Dilution Factor
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)
NC	Not Calculated
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: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

Client Sample ID: 340 Ash-2
Date Collected: 01/21/14 13:15
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-1
Matrix: Soil
Percent Solids: 70.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00125	J	0.00263	0.000881	mg/Kg		02/01/14 10:44	02/01/14 14:49	1
Ethylbenzene	ND		0.00263	0.000881	mg/Kg		02/01/14 10:44	02/01/14 14:49	1
Naphthalene	0.0114		0.00657	0.00223	mg/Kg		02/01/14 10:44	02/01/14 14:49	1
Toluene	ND		0.00263	0.000973	mg/Kg		02/01/14 10:44	02/01/14 14:49	1
Xylenes, Total	0.0104		0.00657	0.000881	mg/Kg		02/01/14 10:44	02/01/14 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*02/01/14 10:44*	*02/01/14 14:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/01/14 10:44*	*02/01/14 14:49*	*1*
Dibromofluoromethane (Surr)	*116*		*70 - 130*	*02/01/14 10:44*	*02/01/14 14:49*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*02/01/14 10:44*	*02/01/14 14:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0938	0.0140	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Acenaphthylene	ND		0.0938	0.0126	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Anthracene	ND		0.0938	0.0126	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Benzo[a]anthracene	ND		0.0938	0.0210	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Benzo[a]pyrene	ND		0.0938	0.0168	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Benzo[b]fluoranthene	ND		0.0938	0.0168	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Benzo[g,h,i]perylene	ND		0.0938	0.0126	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Benzo[k]fluoranthene	ND		0.0938	0.0196	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
1-Methylnaphthalene	0.113		0.0938	0.0196	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Pyrene	ND		0.0938	0.0168	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Phenanthrene	0.0562	J	0.0938	0.0126	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Chrysene	ND		0.0938	0.0126	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Dibenz(a,h)anthracene	ND		0.0938	0.00980	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Fluoranthene	ND		0.0938	0.0126	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Fluorene	ND		0.0938	0.0168	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Indeno[1,2,3-cd]pyrene	ND		0.0938	0.0140	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
Naphthalene	ND		0.0938	0.0126	mg/Kg		02/03/14 10:21	02/03/14 18:49	1
2-Methylnaphthalene	0.0579	J	0.0938	0.0224	mg/Kg		02/03/14 10:21	02/03/14 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*29 - 120*	*02/03/14 10:21*	*02/03/14 18:49*	*1*
Terphenyl-d14 (Surr)	*76*		*13 - 120*	*02/03/14 10:21*	*02/03/14 18:49*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*	*02/03/14 10:21*	*02/03/14 18:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	70		0.10	0.10	%			02/01/14 14:15	1

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

Client Sample ID: 1352 Cardinal

Date Collected: 01/22/14 14:45
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-2

Matrix: Soil
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00211	0.000707	mg/Kg		02/01/14 10:44	02/01/14 15:18	1
Ethylbenzene	0.0303		0.00211	0.000707	mg/Kg		02/01/14 10:44	02/01/14 15:18	1
Naphthalene	1.18		0.310	0.106	mg/Kg		02/01/14 10:39	02/01/14 20:41	1
Toluene	ND		0.00211	0.000781	mg/Kg		02/01/14 10:44	02/01/14 15:18	1
Xylenes, Total	0.0189		0.00527	0.000707	mg/Kg		02/01/14 10:44	02/01/14 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*02/01/14 10:44*	*02/01/14 15:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*70 - 130*	*02/01/14 10:39*	*02/01/14 20:41*	*1*
4-Bromofluorobenzene (Surr)	*426*	*X	*70 - 130*	*02/01/14 10:44*	*02/01/14 15:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/01/14 10:39*	*02/01/14 20:41*	*1*
Dibromofluoromethane (Surr)	*118*		*70 - 130*	*02/01/14 10:44*	*02/01/14 15:18*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*02/01/14 10:39*	*02/01/14 20:41*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*02/01/14 10:44*	*02/01/14 15:18*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*02/01/14 10:39*	*02/01/14 20:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.331	0.0494	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Acenaphthylene	ND		0.331	0.0445	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Anthracene	0.317	J	0.331	0.0445	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Benzo[a]anthracene	ND		0.331	0.0742	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Benzo[a]pyrene	ND		0.331	0.0593	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Benzo[b]fluoranthene	ND		0.331	0.0593	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Benzo[g,h,i]perylene	ND		0.331	0.0445	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Benzo[k]fluoranthene	ND		0.331	0.0692	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
1-Methylnaphthalene	6.25		0.331	0.0692	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Pyrene	0.219	J	0.331	0.0593	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Phenanthrene	2.35		0.331	0.0445	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Chrysene	ND		0.331	0.0445	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Dibenz(a,h)anthracene	ND		0.331	0.0346	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Fluoranthene	ND		0.331	0.0445	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Fluorene	ND		0.331	0.0593	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Indeno[1,2,3-cd]pyrene	ND		0.331	0.0494	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
Naphthalene	1.15		0.331	0.0445	mg/Kg		02/03/14 10:21	02/04/14 18:39	5
2-Methylnaphthalene	8.46		0.331	0.0791	mg/Kg		02/03/14 10:21	02/04/14 18:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*97*		*29 - 120*	*02/03/14 10:21*	*02/04/14 18:39*	*5*
Terphenyl-d14 (Surr)	*87*		*13 - 120*	*02/03/14 10:21*	*02/04/14 18:39*	*5*
Nitrobenzene-d5 (Surr)	*79*		*27 - 120*	*02/03/14 10:21*	*02/04/14 18:39*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10	0.10	%			02/01/14 14:15	1

Client Sample ID: 509 Laurel Bay

Date Collected: 01/23/14 12:15
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-3

Matrix: Soil
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00246	0.000825	mg/Kg		02/01/14 10:44	02/01/14 15:47	1
Ethylbenzene	ND		0.00246	0.000825	mg/Kg		02/01/14 10:44	02/01/14 15:47	1
Naphthalene	0.00448	J	0.00616	0.00209	mg/Kg		02/01/14 10:44	02/01/14 15:47	1
Toluene	ND		0.00246	0.000911	mg/Kg		02/01/14 10:44	02/01/14 15:47	1
Xylenes, Total	ND		0.00616	0.000825	mg/Kg		02/01/14 10:44	02/01/14 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 130*	*02/01/14 10:44*	*02/01/14 15:47*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/01/14 10:44*	*02/01/14 15:47*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*	*02/01/14 10:44*	*02/01/14 15:47*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*	*02/01/14 10:44*	*02/01/14 15:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0668	0.00997	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Acenaphthylene	ND		0.0668	0.00897	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Anthracene	ND		0.0668	0.00897	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Benzo[a]anthracene	ND		0.0668	0.0150	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Benzo[a]pyrene	ND		0.0668	0.0120	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Benzo[b]fluoranthene	ND		0.0668	0.0120	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Benzo[g,h,i]perylene	ND		0.0668	0.00897	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Benzo[k]fluoranthene	ND		0.0668	0.0140	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
1-Methylnaphthalene	ND		0.0668	0.0140	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Pyrene	ND		0.0668	0.0120	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Phenanthrene	ND		0.0668	0.00897	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Chrysene	ND		0.0668	0.00897	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Dibenz(a,h)anthracene	ND		0.0668	0.00698	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Fluoranthene	ND		0.0668	0.00897	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Fluorene	ND		0.0668	0.0120	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Indeno[1,2,3-cd]pyrene	ND		0.0668	0.00997	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
Naphthalene	ND		0.0668	0.00897	mg/Kg		02/03/14 10:21	02/03/14 20:26	1
2-Methylnaphthalene	ND		0.0668	0.0160	mg/Kg		02/03/14 10:21	02/03/14 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*29 - 120*	*02/03/14 10:21*	*02/03/14 20:26*	*1*
Terphenyl-d14 (Surr)	*74*		*13 - 120*	*02/03/14 10:21*	*02/03/14 20:26*	*1*
Nitrobenzene-d5 (Surr)	*64*		*27 - 120*	*02/03/14 10:21*	*02/03/14 20:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10	0.10	%			02/01/14 14:15	1

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

Client Sample ID: 1463 Cardinal

Date Collected: 01/27/14 15:00
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-4

Matrix: Soil
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00241	0.000809	mg/Kg		02/01/14 10:44	02/04/14 14:28	1
Ethylbenzene	ND		0.00241	0.000809	mg/Kg		02/01/14 10:44	02/04/14 14:28	1
Naphthalene	**0.624**		0.361	0.123	mg/Kg		02/01/14 10:39	02/04/14 19:11	1
Toluene	ND		0.00241	0.000893	mg/Kg		02/01/14 10:44	02/04/14 14:28	1
Xylenes, Total	**0.000872**	J	0.00604	0.000809	mg/Kg		02/01/14 10:44	02/04/14 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*02/01/14 10:44*	*02/04/14 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*	*02/01/14 10:39*	*02/04/14 19:11*	*1*
4-Bromofluorobenzene (Surr)	*175*	**X*	*70 - 130*	*02/01/14 10:44*	*02/04/14 14:28*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/01/14 10:39*	*02/04/14 19:11*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*	*02/01/14 10:44*	*02/04/14 14:28*	*1*
Dibromofluoromethane (Surr)	*87*		*70 - 130*	*02/01/14 10:39*	*02/04/14 19:11*	*1*
Toluene-d8 (Surr)	*139*	*X*	*70 - 130*	*02/01/14 10:44*	*02/04/14 14:28*	*1*
Toluene-d8 (Surr)	*122*		*70 - 130*	*02/01/14 10:39*	*02/04/14 19:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.333	0.0498	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Acenaphthylene	ND		0.333	0.0448	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Anthracene	ND		0.333	0.0448	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Benzo[a]anthracene	**0.269**	J	0.333	0.0746	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Benzo[a]pyrene	ND		0.333	0.0597	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Benzo[b]fluoranthene	**0.376**		0.333	0.0597	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Benzo[g,h,i]perylene	**0.307**	J	0.333	0.0448	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Benzo[k]fluoranthene	ND		0.333	0.0697	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
1-Methylnaphthalene	ND		0.333	0.0697	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Pyrene	ND		0.333	0.0597	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Phenanthrene	ND		0.333	0.0448	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Chrysene	**0.271**	J	0.333	0.0448	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Dibenz(a,h)anthracene	**0.0618**	J	0.333	0.0348	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Fluoranthene	ND		0.333	0.0448	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Fluorene	ND		0.333	0.0597	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Indeno[1,2,3-cd]pyrene	**0.272**	J	0.333	0.0498	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
Naphthalene	ND		0.333	0.0448	mg/Kg		02/03/14 10:21	02/04/14 19:04	5
2-Methylnaphthalene	ND		0.333	0.0796	mg/Kg		02/03/14 10:21	02/04/14 19:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*29 - 120*	*02/03/14 10:21*	*02/04/14 19:04*	*5*
Terphenyl-d14 (Surr)	*57*		*13 - 120*	*02/03/14 10:21*	*02/04/14 19:04*	*5*
Nitrobenzene-d5 (Surr)	*54*		*27 - 120*	*02/03/14 10:21*	*02/04/14 19:04*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10	0.10	%			02/01/14 14:15	1

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

Lab Sample ID: MB 490-138971/6
Matrix: Solid
Analysis Batch: 138971

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	0.0335	mg/Kg			02/01/14 11:52	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			02/01/14 11:52	1
Naphthalene	ND		0.250	0.0850	mg/Kg			02/01/14 11:52	1
Toluene	ND		0.100	0.0370	mg/Kg			02/01/14 11:52	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			02/01/14 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 130*		*02/01/14 11:52*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*02/01/14 11:52*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*02/01/14 11:52*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*02/01/14 11:52*	*1*

Lab Sample ID: MB 490-138971/7
Matrix: Solid
Analysis Batch: 138971

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			02/01/14 12:21	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			02/01/14 12:21	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			02/01/14 12:21	1
Toluene	ND		0.00200	0.000740	mg/Kg			02/01/14 12:21	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			02/01/14 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*02/01/14 12:21*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*02/01/14 12:21*	*1*
Dibromofluoromethane (Surr)	*129*		*70 - 130*		*02/01/14 12:21*	*1*
Toluene-d8 (Surr)	*86*		*70 - 130*		*02/01/14 12:21*	*1*

Lab Sample ID: LCS 490-138971/3
Matrix: Solid
Analysis Batch: 138971

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	0.05896		mg/Kg		118	75 - 127
Ethylbenzene	0.0500	0.05966		mg/Kg		119	80 - 134
Naphthalene	0.0500	0.05810		mg/Kg		116	69 - 150
Toluene	0.0500	0.05040		mg/Kg		101	80 - 132
Xylenes, Total	0.100	0.1126		mg/Kg		113	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
Dibromofluoromethane (Surr)	*124*		*70 - 130*
Toluene-d8 (Surr)	*84*		*70 - 130*

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

Lab Sample ID: LCSD 490-138971/4
Matrix: Solid
Analysis Batch: 138971

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	0.05966		mg/Kg		119	75 - 127	1	50
Ethylbenzene	0.0500	0.05449		mg/Kg		109	80 - 134	9	50
Naphthalene	0.0500	0.05805		mg/Kg		116	69 - 150	0	50
Toluene	0.0500	0.05470		mg/Kg		109	80 - 132	8	50
Xylenes, Total	0.100	0.1064		mg/Kg		106	80 - 137	6	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*111*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 490-139335/7
Matrix: Solid
Analysis Batch: 139335

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	0.0335	mg/Kg			02/04/14 13:03	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			02/04/14 13:03	1
Naphthalene	ND		0.250	0.0850	mg/Kg			02/04/14 13:03	1
Toluene	ND		0.100	0.0370	mg/Kg			02/04/14 13:03	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			02/04/14 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*02/04/14 13:03*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*02/04/14 13:03*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*02/04/14 13:03*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*02/04/14 13:03*	*1*

Lab Sample ID: MB 490-139335/8
Matrix: Solid
Analysis Batch: 139335

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			02/04/14 13:32	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			02/04/14 13:32	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			02/04/14 13:32	1
Toluene	ND		0.00200	0.000740	mg/Kg			02/04/14 13:32	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			02/04/14 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/04/14 13:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*02/04/14 13:32*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*		*02/04/14 13:32*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*02/04/14 13:32*	*1*

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

Lab Sample ID: LCS 490-139335/4
Matrix: Solid
Analysis Batch: 139335

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	0.05363		mg/Kg		107	75 - 127
Ethylbenzene	0.0500	0.05520		mg/Kg		110	80 - 134
Naphthalene	0.0500	0.05747		mg/Kg		115	69 - 150
Toluene	0.0500	0.06116		mg/Kg		122	80 - 132
Xylenes, Total	0.100	0.1089		mg/Kg		109	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 490-139335/5
Matrix: Solid
Analysis Batch: 139335

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	0.05551		mg/Kg		111	75 - 127	3	50
Ethylbenzene	0.0500	0.05824		mg/Kg		116	80 - 134	5	50
Naphthalene	0.0500	0.06417		mg/Kg		128	69 - 150	11	50
Toluene	0.0500	0.06539		mg/Kg		131	80 - 132	7	50
Xylenes, Total	0.100	0.1160		mg/Kg		116	80 - 137	6	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*119*		*70 - 130*

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

Lab Sample ID: MB 490-139169/1-A
Matrix: Solid
Analysis Batch: 139093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 139169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Anthracene	ND		0.0670	0.00900	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Pyrene	ND		0.0670	0.0120	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		02/03/14 10:21	02/03/14 18:00	1

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

Lab Sample ID: MB 490-139169/1-A
Matrix: Solid
Analysis Batch: 139093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 139169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.0670	0.00900	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Fluorene	ND		0.0670	0.0120	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		02/03/14 10:21	02/03/14 18:00	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		02/03/14 10:21	02/03/14 18:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*94*		*29 - 120*	*02/03/14 10:21*	*02/03/14 18:00*	*1*
Terphenyl-d14 (Surr)	*107*		*13 - 120*	*02/03/14 10:21*	*02/03/14 18:00*	*1*
Nitrobenzene-d5 (Surr)	*92*		*27 - 120*	*02/03/14 10:21*	*02/03/14 18:00*	*1*

Lab Sample ID: LCS 490-139169/2-A
Matrix: Solid
Analysis Batch: 139093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 139169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.468		mg/Kg		88	38 - 120
Anthracene	1.67	1.454		mg/Kg		87	46 - 124
Benzo[a]anthracene	1.67	1.500		mg/Kg		90	45 - 120
Benzo[a]pyrene	1.67	1.474		mg/Kg		88	45 - 120
Benzo[b]fluoranthene	1.67	1.383		mg/Kg		83	42 - 120
Benzo[g,h,i]perylene	1.67	1.524		mg/Kg		91	38 - 120
Benzo[k]fluoranthene	1.67	1.548		mg/Kg		93	42 - 120
1-Methylnaphthalene	1.67	1.343		mg/Kg		81	32 - 120
Pyrene	1.67	1.537		mg/Kg		92	43 - 120
Phenanthrene	1.67	1.442		mg/Kg		87	45 - 120
Chrysene	1.67	1.516		mg/Kg		91	43 - 120
Dibenz(a,h)anthracene	1.67	1.551		mg/Kg		93	32 - 128
Fluoranthene	1.67	1.461		mg/Kg		88	46 - 120
Fluorene	1.67	1.439		mg/Kg		86	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.482		mg/Kg		89	41 - 121
Naphthalene	1.67	1.246		mg/Kg		75	32 - 120
2-Methylnaphthalene	1.67	1.311		mg/Kg		79	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*29 - 120*
Terphenyl-d14 (Surr)	*86*		*13 - 120*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*

Lab Sample ID: 490-45557-1 MS
Matrix: Soil
Analysis Batch: 139093

Client Sample ID: 340 Ash-2
Prep Type: Total/NA
Prep Batch: 139169

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		2.30	2.195		mg/Kg		95	25 - 120
Anthracene	ND		2.30	2.146		mg/Kg		93	28 - 125

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

Lab Sample ID: 490-45557-1 MS
Matrix: Soil
Analysis Batch: 139093

Client Sample ID: 340 Ash-2
Prep Type: Total/NA
Prep Batch: 139169

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		2.30	2.287		mg/Kg		99	23 - 120
Benzo[a]pyrene	ND		2.30	2.213		mg/Kg		96	15 - 128
Benzo[b]fluoranthene	ND		2.30	2.063		mg/Kg		90	12 - 133
Benzo[g,h,i]perylene	ND		2.30	2.277		mg/Kg		99	22 - 120
Benzo[k]fluoranthene	ND		2.30	2.190		mg/Kg		95	28 - 120
1-Methylnaphthalene	0.113		2.30	2.052		mg/Kg		84	10 - 120
Pyrene	ND		2.30	2.215		mg/Kg		96	20 - 123
Phenanthrene	0.0562	J	2.30	2.136		mg/Kg		90	21 - 122
Chrysene	ND		2.30	2.174		mg/Kg		94	20 - 120
Dibenz(a,h)anthracene	ND		2.30	2.408		mg/Kg		104	12 - 128
Fluoranthene	ND		2.30	2.230		mg/Kg		97	10 - 143
Fluorene	ND		2.30	2.168		mg/Kg		94	20 - 120
Indeno[1,2,3-cd]pyrene	ND		2.30	2.250		mg/Kg		98	22 - 121
Naphthalene	ND		2.30	1.887		mg/Kg		82	10 - 120
2-Methylnaphthalene	0.0579	J	2.30	2.029		mg/Kg		86	13 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*83*		*29 - 120*
Terphenyl-d14 (Surr)	*94*		*13 - 120*
Nitrobenzene-d5 (Surr)	*83*		*27 - 120*

Lab Sample ID: 490-45557-1 MSD
Matrix: Soil
Analysis Batch: 139093

Client Sample ID: 340 Ash-2
Prep Type: Total/NA
Prep Batch: 139169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	ND		2.31	2.210		mg/Kg		96	25 - 120	1	50
Anthracene	ND		2.31	2.214		mg/Kg		96	28 - 125	3	49
Benzo[a]anthracene	ND		2.31	2.300		mg/Kg		99	23 - 120	1	50
Benzo[a]pyrene	ND		2.31	2.215		mg/Kg		96	15 - 128	0	50
Benzo[b]fluoranthene	ND		2.31	2.102		mg/Kg		91	12 - 133	2	50
Benzo[g,h,i]perylene	ND		2.31	2.286		mg/Kg		99	22 - 120	0	50
Benzo[k]fluoranthene	ND		2.31	2.232		mg/Kg		97	28 - 120	2	45
1-Methylnaphthalene	0.113		2.31	2.147		mg/Kg		88	10 - 120	5	50
Pyrene	ND		2.31	2.255		mg/Kg		98	20 - 123	2	50
Phenanthrene	0.0562	J	2.31	2.172		mg/Kg		91	21 - 122	2	50
Chrysene	ND		2.31	2.214		mg/Kg		96	20 - 120	2	49
Dibenz(a,h)anthracene	ND		2.31	2.365		mg/Kg		102	12 - 128	2	50
Fluoranthene	ND		2.31	2.304		mg/Kg		100	10 - 143	3	50
Fluorene	ND		2.31	2.173		mg/Kg		94	20 - 120	0	50
Indeno[1,2,3-cd]pyrene	ND		2.31	2.220		mg/Kg		96	22 - 121	1	50
Naphthalene	ND		2.31	1.981		mg/Kg		86	10 - 120	5	50
2-Methylnaphthalene	0.0579	J	2.31	2.103		mg/Kg		88	13 - 120	4	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*29 - 120*
Terphenyl-d14 (Surr)	*98*		*13 - 120*

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

Lab Sample ID: 490-45557-1 MSD
Matrix: Soil
Analysis Batch: 139093

Client Sample ID: 340 Ash-2
Prep Type: Total/NA
Prep Batch: 139169

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	*89*		*27 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-45545-A-1 DU
Matrix: Solid
Analysis Batch: 139043

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	95		94		%		1	20

QC Association Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

GC/MS VOA

Analysis Batch: 138971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45557-1	340 Ash-2	Total/NA	Soil	8260B	139004
490-45557-2	1352 Cardinal	Total/NA	Soil	8260B	139004
490-45557-2	1352 Cardinal	Total/NA	Soil	8260B	139003
490-45557-3	509 Laurel Bay	Total/NA	Soil	8260B	139004
LCS 490-138971/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-138971/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-138971/6	Method Blank	Total/NA	Solid	8260B	
MB 490-138971/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 139003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45557-2	1352 Cardinal	Total/NA	Soil	5035	
490-45557-4	1463 Cardinal	Total/NA	Soil	5035	

Prep Batch: 139004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45557-1	340 Ash-2	Total/NA	Soil	5035	
490-45557-2	1352 Cardinal	Total/NA	Soil	5035	
490-45557-3	509 Laurel Bay	Total/NA	Soil	5035	
490-45557-4	1463 Cardinal	Total/NA	Soil	5035	

Analysis Batch: 139335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45557-4	1463 Cardinal	Total/NA	Soil	8260B	139004
490-45557-4	1463 Cardinal	Total/NA	Soil	8260B	139003
LCS 490-139335/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-139335/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-139335/7	Method Blank	Total/NA	Solid	8260B	
MB 490-139335/8	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Analysis Batch: 139093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45557-1	340 Ash-2	Total/NA	Soil	8270D	139169
490-45557-1 MS	340 Ash-2	Total/NA	Soil	8270D	139169
490-45557-1 MSD	340 Ash-2	Total/NA	Soil	8270D	139169
490-45557-3	509 Laurel Bay	Total/NA	Soil	8270D	139169
LCS 490-139169/2-A	Lab Control Sample	Total/NA	Solid	8270D	139169
MB 490-139169/1-A	Method Blank	Total/NA	Solid	8270D	139169

Prep Batch: 139169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45557-1	340 Ash-2	Total/NA	Soil	3550C	
490-45557-1 MS	340 Ash-2	Total/NA	Soil	3550C	
490-45557-1 MSD	340 Ash-2	Total/NA	Soil	3550C	
490-45557-2	1352 Cardinal	Total/NA	Soil	3550C	
490-45557-3	509 Laurel Bay	Total/NA	Soil	3550C	
490-45557-4	1463 Cardinal	Total/NA	Soil	3550C	
LCS 490-139169/2-A	Lab Control Sample	Total/NA	Solid	3550C	

GC/MS Semi VOA (Continued)

Prep Batch: 139169 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-139169/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 139392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45557-2	1352 Cardinal	Total/NA	Soil	8270D	139169
490-45557-4	1463 Cardinal	Total/NA	Soil	8270D	139169

General Chemistry

Analysis Batch: 139043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-45545-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-45557-1	340 Ash-2	Total/NA	Soil	Moisture	
490-45557-2	1352 Cardinal	Total/NA	Soil	Moisture	
490-45557-3	509 Laurel Bay	Total/NA	Soil	Moisture	
490-45557-4	1463 Cardinal	Total/NA	Soil	Moisture	

Client Sample ID: 340 Ash-2

Date Collected: 01/21/14 13:15
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-1
Matrix: Soil
Percent Solids: 70.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.424 g	5.0 mL	139004	02/01/14 10:44	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.424 g	5.0 mL	138971	02/01/14 14:49	SNR	TAL NSH
Total/NA	Prep	3550C			30.56 g	1.0 mL	139169	02/03/14 10:21	LP	TAL NSH
Total/NA	Analysis	8270D		1	30.56 g	1.0 mL	139093	02/03/14 18:49	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			139043	02/01/14 14:15	JJS	TAL NSH

Client Sample ID: 1352 Cardinal

Date Collected: 01/22/14 14:45
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-2
Matrix: Soil
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.53 g	5.0 mL	139004	02/01/14 10:44	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.53 g	5.0 mL	138971	02/01/14 15:18	SNR	TAL NSH
Total/NA	Prep	5035			5.427 g	5.0 mL	139003	02/01/14 10:39	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.427 g	5.0 mL	138971	02/01/14 20:41	SNR	TAL NSH
Total/NA	Prep	3550C			35.40 g	1.0 mL	139169	02/03/14 10:21	LP	TAL NSH
Total/NA	Analysis	8270D		5	35.40 g	1.0 mL	139392	02/04/14 18:39	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			139043	02/01/14 14:15	JJS	TAL NSH

Client Sample ID: 509 Laurel Bay

Date Collected: 01/23/14 12:15
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-3
Matrix: Soil
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.358 g	5.0 mL	139004	02/01/14 10:44	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.358 g	5.0 mL	138971	02/01/14 15:47	SNR	TAL NSH
Total/NA	Prep	3550C			32.28 g	1.0 mL	139169	02/03/14 10:21	LP	TAL NSH
Total/NA	Analysis	8270D		1	32.28 g	1.0 mL	139093	02/03/14 20:26	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			139043	02/01/14 14:15	JJS	TAL NSH

Client Sample ID: 1463 Cardinal

Date Collected: 01/27/14 15:00
Date Received: 01/31/14 08:15

Lab Sample ID: 490-45557-4
Matrix: Soil
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.922 g	5.0 mL	139004	02/01/14 10:44	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.922 g	5.0 mL	139335	02/04/14 14:28	SNR	TAL NSH
Total/NA	Prep	5035			4.732 g	5.0 mL	139003	02/01/14 10:39	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.732 g	5.0 mL	139335	02/04/14 19:11	SNR	TAL NSH
Total/NA	Prep	3550C			35.82 g	1.0 mL	139169	02/03/14 10:21	LP	TAL NSH
Total/NA	Analysis	8270D		5	35.82 g	1.0 mL	139392	02/04/14 19:04	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			139043	02/01/14 14:15	JJS	TAL NSH

Lab Chronicle

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

Laboratory References:

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

Method Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

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: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-45557-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
South Carolina	State Program	4	84009 (001)	02-28-14

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	1-Methylnaphthalene
8270D	3550C	Solid	1-Methylnaphthalene

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Charleston


490-45557 Chain of Custody

Cooler Received/Opened On: 1/31/2014 @0815

1. Tracking # 6636 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: 0.4 *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? (YES)...NO...NA

If yes, how many and where: 1 Front

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 (intial) ⊕

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)

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

I certify that I unloaded the cooler and answered questions 7-14 (intial) MDM

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 (intial) MDM

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 (intial) MDM

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

21. Were there Non-Conformance Issues at login? YES..(NO) Was a NCM generated? YES..(NO)..#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

2/6/2014

Loc: 490
45557

2/6/2014

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

Project Manager: Tom McElwee email: mcelwee@eeginc.net

PO#: 1027

Telephone Number: 843.412.2097 Fax No.: 843-412-2027

TA Quote #:

Sampler Name: (Print) Heath Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify) MeOH	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260	PAH - 8270D										RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
340Ash-2	1/21/14	1315	5	X					2				2	1					X		X	X									-1				
1352 Cardinal	1/22/14	1145	5	X					2				2	1					X		X	X									2				
509 Laurel Bay	1/23/14	1215	5	X					2				2	1					X		X	X									3				
1463 Cardinal	1/27/14	1500	5	X					2				2	1					X		X	X									4				

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	1/30/14	1000	FedEx		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				1-31-14	0815

Laboratory Comments:
Temperature Upon Receipt: 0.4c
VOCs Free of Headspace? Y N

Login Sample Receipt Checklist

Client: Small Business Group Inc.

Job Number: 490-45557-1

Login Number: 45557
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	N/A	
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	0.4
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 <6mm (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 340Ash-1; 340 Ash Street, 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. W[illegible] / 2/24/14
(Name) (Date)

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of 1	

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 01519136
B. State Generator's ID

5. Transporter 1 Company Name Carolina Containers
PO Box 1925 Bft SC 29901
6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone 843 522 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

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANK FILLED WITH SAND WM Profile # 102655SC	1	2Y	7.07	T	7
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
USTs from:
1) 929 Albacore 2) 340 Ash - 2 3) 1352 Cardinal
1B

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	Signature "On behalf of"	Month	Day	Year
WGD		2	10	14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Pratt Slow		2	10	14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Troy Lockwett	Troy Lockwett	2	10	14

FACILITY

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	Signature	Month	Day	Year
Tom Canfield	Tom Canfield	2	10	14

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Appendix C
Regulatory Correspondence

D—H E—C
PROMOTE PROTECT PROSPER
Catherine B. Templeton, Director
Promoting and protecting the health of the public and the environment

October 1, 2014

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

RE: No Further Action
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 above referenced Underground Storage Tanks (USTs) 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 and agrees there is no indication of soil or groundwater contamination on these properties, 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 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)

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

Attachment to: Krieg to Drawdy
Subject: NFA
Dated 10/1/2014

Laurel Bay Underground Storage Tank Assessment Reports for: (3 addresses/4 tanks)

340 Ash Tank 1	509 Laurel Bay
340 Ash Tank 2	929 Albacore