SUMMARY REPORT
127 GARDENIA DRIVE (FORMERLY 1063 GARDENIA DRIVE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0 Prepared for:

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

and



Naval Facilities Engineering Command Atlantic 9324 Virginia Avenue Norfolk, Virginia 23511-3095 SUMMARY REPORT
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Prepared by:



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

Contract Number: N62470-14-D-9016

CTO WE52

**JUNE 2021** 





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### List of Acronyms

bgs below ground surface

BTEX benzene, toluene, ethylbenzene, and xylenes

CTO Contract Task Order

COPC constituents of potential concern

IDIQ Indefinite Delivery, Indefinite Quantity

IGWA Initial Groundwater Assessment

JV Joint Venture

LBMH Laurel Bay Military Housing MCAS Marine Corps Air Station

NAVFAC Mid-Lant Naval Facilities Engineering Command Mid-Atlantic

NFA No Further Action

PAH polynuclear aromatic hydrocarbon

QAPP Quality Assurance Program Plan

RBSL risk-based screening level

SCDHEC South Carolina Department of Health and Environmental Control

Site LBMH area at MCAS Beaufort, South Carolina

UST underground storage tank

VISL vapor intrusion screening level



### 1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 127 Gardenia Drive (Formerly 1063 Gardenia Drive). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

### 1.1 Background Information

The LBMH area is located approximately 3.5 miles west of MCAS Beaufort. The area is approximately 970 acres in size and serves as an enlisted and officer family housing area. The area is configured with single family and duplex residential structures, and includes recreation, open space, and community facilities. The community includes approximately 1,300 housing units, including legacy Capehart style homes and newer duplex style homes. The housing area is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.





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

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

### 1.2 UST Removal and Assessment Process

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

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

Soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form. In accordance with SCDHEC's *QAPP for the UST Management Division* (SCDHEC, 2016), the soil screening levels consists of SCDHEC risk-based screening levels (RBSLs). It should be noted that the RBSLs for select PAHs were revised in Revision 2.0 of the QAPP (SCDHEC, 2013) and were revised again in Revision 3.0 (SCDHEC, 2015). The screening levels





used for evaluation at each site were those levels that were in effect at the time of reporting and review by SCDHEC.

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

### 2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 127 Gardenia Drive (Formerly 1063 Gardenia Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1063 Gardenia Drive* (MCAS Beaufort, 2015). The UST Assessment Report is provided in Appendix B.

### 2.1 UST Removal and Soil Sampling

On July 22, 2015, a single 280 gallon heating oil UST was removed from the rear patio area at 127 Gardenia Drive (Formerly 1063 Gardenia Drive). The former UST location is indicated on Figures 1 and 2 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 5'6" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of the excavation and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in





accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment quidelines.

### 2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 127 Gardenia Drive (Formerly 1063 Gardenia Drive) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

### 3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 127 Gardenia Drive (Formerly 1063 Gardenia Drive). This NFA determination was obtained in a letter dated August 3, 2016. SCDHEC's NFA letter is provided in Appendix C.

### 4.0 REFERENCES

- Marine Corps Air Station Beaufort, 2015. South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report 1063 Gardenia Drive, Laurel Bay Military Housing Area, November 2015.
- 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 127 Gardenia Drive (Formerly 1063 Gardenia Drive)

### Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

Constituent	SCDHEC RBSLs (1)	Results Sample Collected 07/22/15					
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)							
Benzene	0.003	ND					
Ethylbenzene	1.15	0.00176					
Naphthalene	0.036	0.0138					
Toluene	0.627	ND					
Xylenes, Total	13.01	0.00574					
Semivolatile Organic Compounds Anal	yzed by EPA Method 8270D (mg/kg)						
Benzo(a)anthracene	0.66	0.420					
Benzo(b)fluoranthene	0.66	0.325					
Benzo(k)fluoranthene	0.66	0.125					
Chrysene	0.66	0.384					
Dibenz(a,h)anthracene	0.66	ND					

### **Notes:**

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

<sup>&</sup>lt;sup>(1)</sup> 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).

# Appendix A Multi-Media Selection Process for LBMH





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

# Appendix B UST Assessment Report



# 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)

Owner Name (Corporation	ommanding Officer Attn: N n, Individual, Public Agency, Other)	KEAO (CIAIG ENGE)
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
1063 Gardenia St., Laurel Bay Military Housing Area Street Address or State Road (as applicable)
Beaufort, Beaufort City County
City County

Attachment 2

### III. INSURANCE INFORMATION

Insurance	Statement
The petroleum release reported to DHEC onqualify to receive state monies to pay for appropriate site allowed in the State Clean-up fund, written confirmation insurance policy is required. This section must be comp	of the existence or non-existence of an environmental
Is there now, or has there ever been an insurance UST release? YES NO (check one)	policy or other financial mechanism that covers this
If you answered YES to the above question	on, 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.
V. CERTIFICATION (	To be aloned by the HOTE
I certify that I have personally examined and am far attached documents; and that based on my inquiry information, I believe that the submitted information  Name (Type or print.)	To be signed by the UST owner) miliar with the information submitted in this and all of those individuals responsible for obtaining this is true, accurate, and complete.
Signature	
To be completed by Notary Public:	
Sworn before me this day of	, 20
(Name)	_
Notary Public for the state of	outh Carolina

gal gal 1950s	
e 1950s el 1980s	
1980s	
1980s	
oved	
/2015	
d (attach disposal manifests) ground, cleaned and re	<u>ecycled</u>
	/2015 d (attach disposal manifests)

### VII. PIPING INFORMATION

		Gardenia	
		Steel	- 4
Construction Material(e	ex Steel FRP)	& Copper	
	and the same of th	N/A	
Distance from UST to D	ispenser	21/22	
Number of Dispensers		N/A	
Type of System Pressure	e or Suction	Suction	
Was Piping Removed fro	om the Ground? Y/N	No	
Visible Corrosion or Pitt	ting Y/N	Yes	
Visible Holes Y/N		No	
Age		Late 1950s	
		describe the location and exter	nt for each nining
		nd on the surface of	
		eturn lines were soun	
VIII	RIEF SITE DESCE	RIPTION AND HISTOR	V
		RIPTION AND HISTOR constructed of single	
The USTs at the	residences are c		wall steel
The USTs at the and formerly cor	residences are contained fuel oil	constructed of single	wall steel STs were
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The USTs at the and formerly cor	residences are contained fuel oil	constructed of single for heating. These U	wall steel STs were

### IX. SITE CONDITIONS

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

### X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

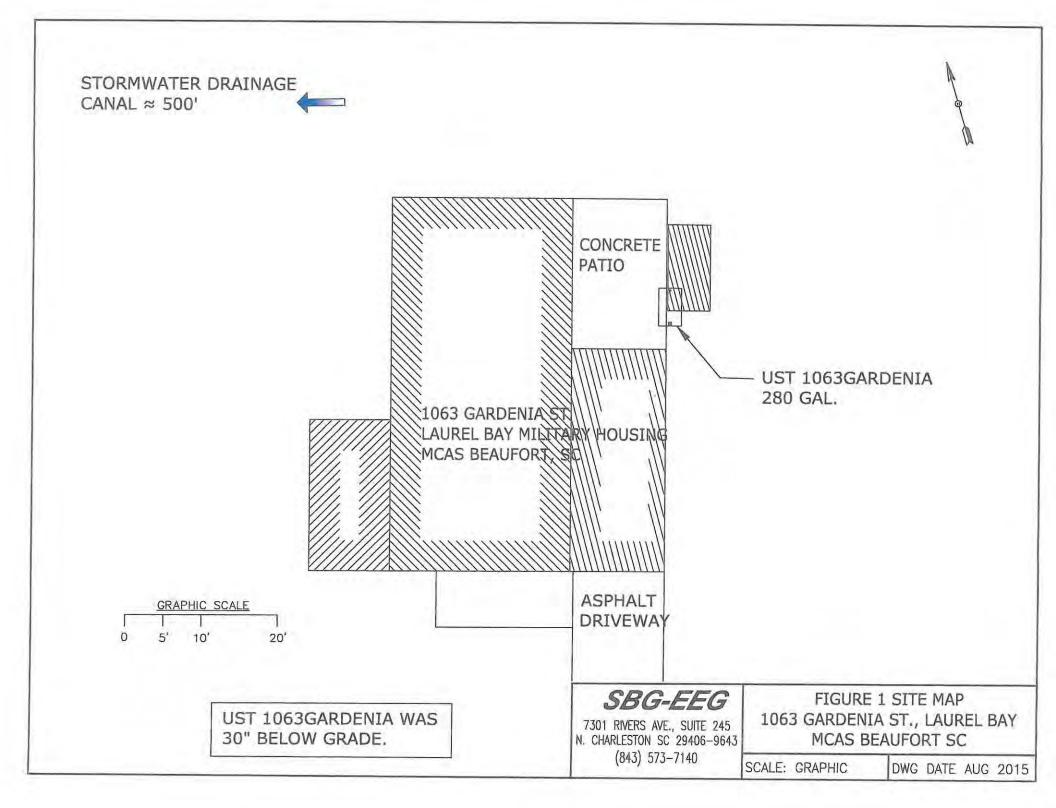
Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA#
1063 Gardenia	Excav at fill end	Soil	Sandy	5'6"	7/22/15 1415 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

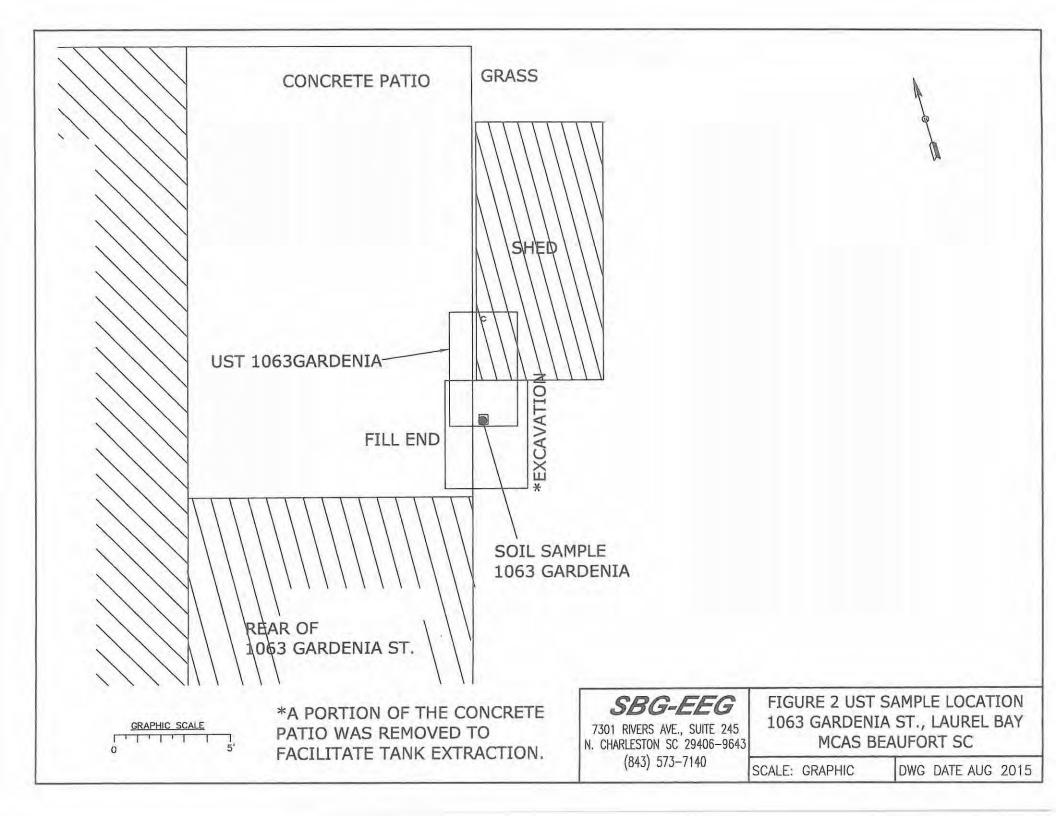
<sup>\* =</sup> Depth Below the Surrounding Land Surface

### XI. SAMPLING METHODOLOGY

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

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







Picture 1: Location of UST 1063Gardenia.



Picture 2: UST 1063Gardenia tank pit.



Picture 3: Tank pit.



Picture 4: Site after completion of tank removal.

### 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	1063 Gardeni	a		
Benzene	ND			
Toluene	ND			
Ethylbenzene	0.00176 mg/k	3		
Xylenes	0.00574 mg/kg	9		
Naphthalene	0.0138 mg/kg			
Benzo (a) anthracene	0.420 mg/kg			
Benzo (b) fluoranthene	0.325 mg/kg			
Benzo (k) fluoranthene	0.125 mg/kg			
Chrysene	0.384 mg/kg			
Dibenz (a, h) anthracene	ND			
TPH (EPA 3550)				
CoC				
Benzene				
Toluene				
Ethylbenzene				
Xylenes				
Naphthalene				
Benzo (a) anthracene				
Benzo (b) fluoranthene				
Benzo (k) fluoranthene				
Chrysene				
Dibenz (a, h) anthracene				
TPH (EPA 3550)				
				1

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)

# <u>TestAmerica</u>

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: 490-83650-1

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: 8/4/2015 12:31:39 PM

Kuntll Hay

Ken Hayes, Project Manager II (615)301-5035

ken.hayes@testamericainc.com

.....LINKS .....

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Total Access

Have a Question?



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

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

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

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### Sample Summary

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-83650-1

	7		
	п		ø
		ж	э
ed	я		
cu			
08:20			
0.20			

Lab Sample ID	Client Sample ID
490-83650-1	1065 Gardenia
490-83650-2	1063 Gardenia
490-83650-3	1141 Iris

Collected	Received
07/21/15 13:00	
07/22/15 14:15	07/25/15 08:20
07/23/15 10:45	07/25/15 08:20
	07/22/15 14:15

### Case Narrative

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-83650-1

Job ID: 490-83650-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-83650-1

### Comments

No additional comments.

### Receipt

The samples were received on 7/25/2015 8:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7° C.

### GC/MS VOA

Method(s) 8260B: Batch 490-269466 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another client's sample, and this test was canceled at client request. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 490-269642.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

4

### Definitions/Glossary

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-83650-1

### 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.

### 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
CFL Contains Free Liquid
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)
Not Colorated

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)

5

### **Client Sample Results**

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-83650-1

Client Sample ID: 1065 Gardenia

Date Collected: 07/21/15 13:00 Date Received: 07/25/15 08:20 Lab Sample ID: 490-83650-1

Matrix: Soil

Method: 8260B - Volatile C									
Analyte		Qualifier	RL	MDL	1000000	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00222	0.000744		Φ	07/21/15 12:00	07/30/15 22:45	1
Ethylbenzene	ND		0.00222	0.000744	0	4	07/21/15 12:00	07/30/15 22:45	1
Naphthalene	ND		0.00524	0.00178	-	0	07/21/15 12:00	07/31/15 15:44	1
Toluene	ND		0.00222	0.000822	mg/Kg	•	07/21/15 12:00	07/30/15 22:45	1
Xylenes, Total	ND		0.00555	0.00137	mg/Kg	O.	07/21/15 12:00	07/30/15 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				07/21/15 12:00	07/30/15 22:45	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130				07/21/15 12:00	07/31/15 15:44	1
4-Bromofluorobenzene (Surr)	106		70 - 130				07/21/15 12:00	07/30/15 22:45	1
4-Bromofluorobenzene (Surr)	99		70 - 130				07/21/15 12:00	07/31/15 15:44	1
Dibromofluoromethane (Surr)	97		70 - 130				07/21/15 12:00	07/30/15 22:45	1
Dibromofluoromethane (Surr)	101		70 - 130				07/21/15 12:00	07/31/15 15:44	1
Toluene-d8 (Surr)	99		70 - 130				07/21/15 12:00	07/30/15 22:45	1
Toluene-d8 (Surr)	99		70 - 130				07/21/15 12:00	07/31/15 15:44	1
Method: 8270D - Semivola Analyte		mpounds Qualifier	(GC/MS)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0822	0.0123	mg/Kg	-		07/28/15 21:50	1
Acenaphthylene	ND		0.0822		mg/Kg	0		07/28/15 21:50	1
Anthracene	ND		0.0822		mg/Kg	4		07/28/15 21:50	1
Benzo[a]anthracene	ND		0.0822		mg/Kg	- 7:		07/28/15 21:50	1
Benzo[a]pyrene	ND		0.0822		mg/Kg	- 2		07/28/15 21:50	1
Benzo[b]fluoranthene	ND		0.0822		mg/Kg			07/28/15 21:50	1
Benzo[g,h,i]perylene	ND		0.0822		mg/Kg	~		07/28/15 21:50	1
Benzo[k]fluoranthene	ND		0.0822		mg/Kg	<b></b>		07/28/15 21:50	1
1-Methylnaphthalene	ND		0.0822		mg/Kg	at.		07/28/15 21:50	1
Pyrene	ND		0.0822		mg/Kg	0		07/28/15 21:50	1
Phenanthrene	ND		0.0822		mg/Kg	0		07/28/15 21:50	1
Chrysene	ND		0.0822		mg/Kg	0		07/28/15 21:50	1
Dibenz(a,h)anthracene	ND		0.0822	0.00859		-		07/28/15 21:50	1
Fluoranthene	ND		0.0822		mg/Kg	4		07/28/15 21:50	1
Fluorene	ND		0.0822		mg/Kg	100		07/28/15 21:50	1
Indeno[1,2,3-cd]pyrene	ND		0.0822		mg/Kg	Q.		07/28/15 21:50	1
Naphthalene	ND		0.0822		mg/Kg	ø		07/28/15 21:50	1
2-Methylnaphthalene	ND		0.0822		mg/Kg	10		07/28/15 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71	a a a a a a a a a a a a a a a a a a a	29 - 120					07/28/15 21:50	1
Terphenyl-d14 (Surr)	81		13 - 120					07/28/15 21:50	1
Nitrobenzene-d5 (Surr)	73		27 - 120					07/28/15 21:50	1
General Chemistry									
Analyte	Result	Qualifier	RL	RI	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80	- American	0.10	0.10	1-3/1-		, , opurou	07/28/15 10:30	1
	- 00			2.10	3.3				



### **Client Sample Results**

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

TestAmerica Job ID: 490-83650-1

Client Sample ID: 1063 Gardenia

Date Collected: 07/22/15 14:15 Date Received: 07/25/15 08:20 Lab Sample ID: 490-83650-2

Matrix: Soil

Method: 8260B - Volatile O	rganic Compo	unds (GC/	MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00219	0.000735	mg/Kg	0	07/22/15 13:15	07/30/15 23:16	1
Ethylbenzene	0.00176	J	0.00219	0.000735	mg/Kg	0	07/22/15 13:15	07/30/15 23:16	1
Naphthalene	0.0138		0.00549	0.00187	mg/Kg	\$	07/22/15 13:15	07/30/15 23:16	1
Toluene	ND		0.00219	0.000812	mg/Kg	0	07/22/15 13:15	07/30/15 23:16	1
Xylenes, Total	0.00574		0.00549	0.00135	mg/Kg	\$	07/22/15 13:15	07/30/15 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130				07/22/15 13:15	07/30/15 23:16	1
4-Bromofluorobenzene (Surr)	125		70 - 130				07/22/15 13:15	07/30/15 23:16	1
Dibromofluoromethane (Surr)	97		70 - 130				07/22/15 13:15	07/30/15 23:16	1
Toluene-d8 (Surr)	104		70 - 130				07/22/15 13:15	07/30/15 23:16	1
Method: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.264		0.0918	0.0137	mg/Kg	÷.	07/28/15 09:37	07/28/15 22:16	1
Acenaphthylene	0.0606	J	0.0918	0.0123	mg/Kg	4	07/28/15 09:37	07/28/15 22:16	1
Anthracene	0.0860	J	0.0918	0.0123	mg/Kg	0	07/28/15 09:37	07/28/15 22:16	1
Benzo[a]anthracene	0.420		0.0918	0.0206	mg/Kg	<b>\$</b>	07/28/15 09:37	07/28/15 22:16	1
Benzo[a]pyrene	0.178		0.0918	0.0164	mg/Kg	9	07/28/15 09:37	07/28/15 22:16	1
Benzo[b]fluoranthene	0.325		0.0918	0.0164	mg/Kg	->	07/28/15 09:37	07/28/15 22:16	1
Benzo[g,h,i]perylene	0.0482	J	0.0918	0.0123	mg/Kg	.83	07/28/15 09:37	07/28/15 22:16	1
Benzo[k]fluoranthene	0.125		0.0918	0.0192	mg/Kg	8	07/28/15 09:37	07/28/15 22:16	1
1-Methylnaphthalene	0.872		0.0918	0.0192	mg/Kg	4	07/28/15 09:37	07/28/15 22:16	1
Pyrene	1.04		0.0918	0.0164	mg/Kg	-5	07/28/15 09:37	07/28/15 22:16	1
Phenanthrene	0.747		0.0918	0.0123	mg/Kg	10-	07/28/15 09:37	07/28/15 22:16	1
Chrysene	0.384		0.0918	0.0123	mg/Kg	300	07/28/15 09:37	07/28/15 22:16	1
Dibenz(a,h)anthracene	ND		0.0918	0.00959	mg/Kg	ζ.	07/28/15 09:37	07/28/15 22:16	1
Fluoranthene	1.09		0.0918	0.0123	mg/Kg	<b>\$</b>		07/28/15 22:16	1
Fluorene	0.370		0.0918	0.0164	mg/Kg	^	07/28/15 09:37	07/28/15 22:16	1
Indeno[1,2,3-cd]pyrene	0.0551	J	0.0918	0.0137	mg/Kg	0		07/28/15 22:16	1
Naphthalene	0.188		0.0918	0.0123	mg/Kg	4	07/28/15 09:37	07/28/15 22:16	1
2-Methylnaphthalene	0.959		0.0918	0.0219	mg/Kg	4	07/28/15 09:37	07/28/15 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		29 - 120				07/28/15 09:37	07/28/15 22:16	1
Terphenyl-d14 (Surr)	76		13 - 120				07/28/15 09:37	07/28/15 22:16	1
Nitrobenzene-d5 (Surr)	73		27 - 120				07/28/15 09:37	07/28/15 22:16	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72		0.10	0.10	0/4			07/28/15 10:30	1

### **Client Sample Results**

Client: Small Business Group Inc.

TestAmerica Job ID: 490-83650-1

Project/Site: Laurel Bay Housing Project

Lab Sample ID: 490-83650-3

Matrix: Soil

Client Sample ID: 1141 Iris

Date Collected: 07/23/15 10:45 Date Received: 07/25/15 08:20

Method: 8260B - Volatile O									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00223	0.000748	2 2	4		07/30/15 23:47	1
Ethylbenzene	ND		0.00223	0.000748	mg/Kg	ø	07/23/15 09:45	07/30/15 23:47	1
Naphthalene	ND		0.00558	0.00190	mg/Kg	*	07/23/15 09:45	07/30/15 23:47	1
Toluene	ND		0.00223	0.000826	mg/Kg	\$	07/23/15 09:45	07/30/15 23:47	1
Xylenes, Total	ND		0.00558	0.00137	mg/Kg	<b>\$</b>	07/23/15 09:45	07/30/15 23:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130				07/23/15 09:45	07/30/15 23:47	7
4-Bromofluorobenzene (Surr)	105		70 - 130				07/23/15 09:45	07/30/15 23:47	1
Dibromofluoromethane (Surr)	99		70 - 130				07/23/15 09:45	07/30/15 23:47	1
Toluene-d8 (Surr)	99		70 - 130				07/23/15 09:45	07/30/15 23:47	1
Method: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0770	0.0115	mg/Kg	4	07/28/15 09:37	07/28/15 22:42	1
Acenaphthylene	ND		0.0770	0.0103	mg/Kg	4	07/28/15 09:37	07/28/15 22:42	1
Anthracene	ND		0.0770	0.0103	mg/Kg	4	07/28/15 09:37	07/28/15 22:42	1
Benzo[a]anthracene	ND		0.0770	0.0172	mg/Kg	2,0	07/28/15 09:37	07/28/15 22:42	1
Benzo[a]pyrene	ND		0.0770	0.0138	mg/Kg	47	07/28/15 09:37	07/28/15 22:42	1
Benzo[b]fluoranthene	ND		0.0770	0.0138	mg/Kg	4	07/28/15 09:37	07/28/15 22:42	1
Benzo[g,h,i]perylene	ND		0.0770	0.0103	mg/Kg	٥	07/28/15 09:37	07/28/15 22:42	1
Benzo[k]fluoranthene	ND		0.0770	0.0161	mg/Kg	4	07/28/15 09:37	07/28/15 22:42	1
1-Methylnaphthalene	0.0943		0.0770	0.0161	mg/Kg		07/28/15 09:37	07/28/15 22:42	1
Pyrene	ND		0.0770	0.0138	mg/Kg	-0	07/28/15 09:37	07/28/15 22:42	1
Phenanthrene	0.0429	J	0.0770	0.0103	mg/Kg	0	07/28/15 09:37	07/28/15 22:42	1
Chrysene	ND		0.0770	0.0103	mg/Kg	F	07/28/15 09:37	07/28/15 22:42	1
Dibenz(a,h)anthracene	ND		0.0770	0.00804	mg/Kg	4	07/28/15 09:37	07/28/15 22:42	1
Fluoranthene	ND		0.0770	0.0103	mg/Kg	*	07/28/15 09:37	07/28/15 22:42	1
Fluorene	ND		0.0770	0.0138	mg/Kg	<b>\$</b>	07/28/15 09:37	07/28/15 22:42	1
Indeno[1,2,3-cd]pyrene	ND		0.0770	0.0115	mg/Kg	- 20	07/28/15 09:37	07/28/15 22:42	1
Naphthalene	ND		0.0770	0.0103	mg/Kg	- 0	07/28/15 09:37	07/28/15 22:42	1
2-Methylnaphthalene	0.119		0.0770	0.0184	mg/Kg	¢	07/28/15 09:37	07/28/15 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		29 - 120				07/28/15 09:37	07/28/15 22:42	1
Terphenyl-d14 (Surr)	78		13-120				07/28/15 09:37	07/28/15 22:42	1
Nitrobenzene-d5 (Surr)	73		27-120				07/28/15 09:37	07/28/15 22:42	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10	0.10	%			07/28/15 10:30	1



## QC Sample Results

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

TestAmerica Job ID: 490-83650-1

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

Lab Sample ID: MB 490-269466/7

Matrix: Solid

Analysis Batch: 269466

Client.Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			07/30/15 19:07	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			07/30/15 19:07	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			07/30/15 19:07	1
Toluene	ND		0.00200	0.000740	mg/Kg			07/30/15 19:07	1
Xylenes, Total	ND		0.00500	0.00123	mg/Kg			07/30/15 19:07	1
	MB	MB							

		1110 1110				
Surrogate		%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroe	thane-d4 (Surr)	100	70 - 130		07/30/15 19:07	1
4-Bromofluoro	obenzene (Surr)	98	70 - 130		07/30/15 19:07	1
Dibromofluoro	omethane (Surr)	103	70 - 130		07/30/15 19:07	1
Toluene-d8 (S	Surr)	96	70 - 130		07/30/15 19:07	1

Lab Sample ID: LCS 490-269466/3

Matrix: Solid

Analysis Batch: 269466

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

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.04310		mg/Kg		86	75 - 127
Ethylbenzene	0.0500	0.04288		mg/Kg		86	80 - 134
Naphthalene	0.0500	0.04174		mg/Kg		83	69 - 150
Toluene	0.0500	0.04139		mg/Kg		83	80 - 132
Xylenes, Total	0.100	0.08346		mg/Kg		83	80 - 137

	LUS	LUS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 490-269466/4

Matrix: Solid

Analysis Batch: 269466

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

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04291		mg/Kg		86	75 - 127	0	50
Ethylbenzene	0.0500	0.04176		mg/Kg		84	80 - 134	3	50
Naphthalene	0.0500	0.04255		mg/Kg		85	69 - 150	2	50
Toluene	0.0500	0.04094		mg/Kg		82	80 - 132	1	50
Xylenes, Total	0.100	0.08246		mg/Kg		82	80 - 137	1	50

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	97		70 - 130

## QC Sample Results

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-83650-1

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

Lab Sample ID: MB 490-269642/7

Matrix: Solid

Analysis Batch: 269642

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

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.00200	0.000670	mg/Kg	-		07/31/15 14:07	1
ND		0.00200	0.000670	mg/Kg			07/31/15 14:07	1
ND		0.00500	0.00170	mg/Kg			07/31/15 14:07	1
ND		0.00200	0.000740	mg/Kg			07/31/15 14:07	1
ND		0.00500	0.00123	mg/Kg			07/31/15 14:07	1
	Result ND ND ND ND	ND ND ND	Result         Qualifier         RL           ND         0.00200           ND         0.00200           ND         0.00500           ND         0.00200	Result         Qualifier         RL         MDL           ND         0.00200         0.000670           ND         0.00200         0.000670           ND         0.00500         0.00170           ND         0.00200         0.000740	Result         Qualifier         RL         MDL         Unit           ND         0.00200         0.000670         mg/Kg           ND         0.00200         0.000670         mg/Kg           ND         0.00500         0.00170         mg/Kg           ND         0.00200         0.000740         mg/Kg	Result         Qualifier         RL         MDL         Unit         D           ND         0.00200         0.000670         mg/Kg           ND         0.00200         0.000670         mg/Kg           ND         0.00500         0.00170         mg/Kg           ND         0.00200         0.000740         mg/Kg	Result Qualifier         RL ND         MDL Unit Unit Unit Unit Unit Unit Unit Unit	Result Qualifier         RL         MDL Unit         D Prepared         Analyzed           ND         0.00200         0.000670         mg/Kg         07/31/15 14:07           ND         0.00200         0.000670         mg/Kg         07/31/15 14:07           ND         0.00500         0.00170         mg/Kg         07/31/15 14:07           ND         0.00200         0.000740         mg/Kg         07/31/15 14:07

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99	70 - 130		07/31/15 14:07	1
4-Bromofluorobenzene (Surr)	99	70 - 130		07/31/15 14:07	1
Dibromofluoromethane (Surr)	103	70 - 130		07/31/15 14:07	1
Toluene-d8 (Surr)	97	70 - 130		07/31/15 14:07	1

Lab Sample ID: LCS 490-269642/3

Matrix: Solid

Analysis Batch: 269642

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

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.04140		mg/Kg		83	75 - 127
Ethylbenzene	0.0500	0.04266		mg/Kg		85	80 - 134
Naphthalene	0.0500	0.04339		mg/Kg		87	69 - 150
Toluene	0.0500	0.04105		mg/Kg		82	80 - 132
Xylenes, Total	0.100	0.08325		mg/Kg		83	80 - 137

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1,2-Dichloroethane-d4 (Surr) 95 70 - 130 4-Bromofluorobenzene (Surr) 98 70 - 130 Dibromofluoromethane (Surr) 98 70 - 130 Toluene-d8 (Surr) 98

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

Lab Sample ID: MB 490-268561/1-A

Matrix: Solid

Analysis Batch: 268573

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 268561

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Anthracene	ND		0.0670	0.00900	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		07/28/15 09:37	07/28/15 15:15	1.
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Pyrene	ND		0.0670	0.0120	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		07/28/15 09:37	07/28/15 15:15	1

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

Nitrobenzene-d5 (Surr)

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

Lab Sample ID: MB 490-268561/1-A

Matrix: Solid

Analysis Batch: 268573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 268561

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.0670	0.00900	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Fluorene	ND		0.0670	0.0120	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		07/28/15 09:37	07/28/15 15:15	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		07/28/15 09:37	07/28/15 15:15	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78	29 - 120	07/28/15 09:37	07/28/15 15:15	1
Terphenyl-d14 (Surr)	89	13 - 120	07/28/15 09:37	07/28/15 15:15	1
Nitrobenzene-d5 (Surr)	82	27 - 120	07/28/15 09:37	07/28/15 15:15	1

Lab Sample ID: LCS 490-268561/2-A Client Sample ID: Lab Control Sample
Matrix: Solid Prep Type: Total/NA

Matrix: Solid
Analysis Batch: 268573

Prep Batch: 268561 Spike LCS LCS %Rec. %Rec Limits Added Result Qualifier Unit Analyte 1.67 1.219 38 - 120 Acenaphthylene mg/Kg 73 Anthracene 1.67 1.345 mg/Kg 81 46-124 1.67 1.340 mg/Kg 80 45 - 120

Benzo[a]anthracene 1.67 Benzo[a]pyrene 1.349 mg/Kg 81 45 - 120 Benzo[b]fluoranthene 1.67 1.342 mg/Kg 81 42-120 Benzo[g,h,i]perylene 1.67 1.332 mg/Kg 80 38 - 120 Benzo[k]fluoranthene 1.67 1.421 85 42-120 mg/Kg 1.387 1-Methylnaphthalene 1.67 83 32-120 mg/Kg Pyrene 1.67 1.432 mg/Kg 86 43 - 120 Phenanthrene 1.67 1.308 mg/Kg 78 45 - 120 1.67 mg/Kg 43-120 1.317 79 Chrysene 32-128 Dibenz(a,h)anthracene 1.67 1.365 mg/Kg 82 mg/Kg Fluoranthene 1.67 1.349 81 46-120 Fluorene 1.67 1.340 mg/Kg 80 42-120 Indeno[1,2,3-cd]pyrene 1.67 1.309 mg/Kg 79 41-121

Naphthalene 1.67 1.294 mg/Kg 2-Methylnaphthalene 1.67 1.304 mg/Kg LCS LCS %Recovery Qualifier Limits Surrogate 29 - 120 78 2-Fluorobiphenyl (Surr) 87 13-120 Terphenyl-d14 (Surr)

Lab Sample ID: LCSD 490-268561/3-A Client Sample ID: Lab Control Sample Dup

27 - 120

Matrix: Solid Analysis Batch: 268573

88

Prep Batch: 268561 LCSD LCSD Spike %Rec. RPD Added Result Qualifier Unit %Rec Limits Analyte RPD Limit Acenaphthylene 1.67 1.196 mg/Kg 72 38 - 120 2 50 1.67 1.336 Anthracene mg/Kg 46 - 124 49

TestAmerica Nashville

Prep Type: Total/NA

78

78

32 - 120

28 - 120

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

Lab Sample ID:	LCSD 490-268561/3-A
----------------	---------------------

Matrix: Solid Analysis Batch: 268573 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 268561

Allalysis Batch. 2003/3							I ICH DO	ILCH. Z	10000
The state of the s	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzo[a]anthracene	1.67	1.331		mg/Kg		80	45 - 120	1	50
Benzo[a]pyrene	1.67	1.350		mg/Kg		81	45 - 120	0	50
Benzo[b]fluoranthene	1.67	1.326		mg/Kg		80	42 - 120	1	50
Benzo[g,h,i]perylene	1.67	1.323		mg/Kg		79	38 - 120	1	50
Benzo[k]fluoranthene	1.67	1.442		mg/Kg		86	42-120	1	45
1-Methylnaphthalene	1.67	1.426		mg/Kg		86	32 - 120	3	50
Pyrene	1.67	1.419		mg/Kg		85	43 - 120	1	50
Phenanthrene	1.67	1.294		mg/Kg		78	45 - 120	1	50
Chrysene	1.67	1.301		mg/Kg		78	43 - 120	1	49
Dibenz(a,h)anthracene	1.67	1.350		mg/Kg		81	32 - 128	1	50
Fluoranthene	1.67	1.362		mg/Kg		82	46 - 120	1	50
Fluorene	1.67	1.337		mg/Kg		80	42 - 120	0	50
Indeno[1,2,3-cd]pyrene	1.67	1.313		mg/Kg		79	41 - 121	0	50
Naphthalene	1.67	1.334		mg/Kg		80	32 - 120	3	50
2-Methylnaphthalene	1.67	1.334		mg/Kg		80	28 - 120	2	50

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
2-Fluorobiphenyl (Surr)	77	29 - 120
Terphenyl-d14 (Surr)	86	13 - 120
Nitrobenzene-d5 (Surr)	89	27 - 120

Lab Sample ID: 490-83596-G-1-B MS

Matrix: Solid

Terphenyl-d14 (Surr)

Analysis Batch: 268573

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 268561

Sample	Sample	Spike	MS	MS				%Rec.
T 45		Added	Result	Qualifier	Unit	D	%Rec	Limits
ND		1.64	0.9547		mg/Kg		58	25 - 120
ND		1.64	1.069		mg/Kg		65	28 - 125
ND		1.64	1.057		mg/Kg		64	23 - 120
ND		1.64	1.061		mg/Kg		65	15 - 128
ND		1.64	1.058		mg/Kg		64	12 - 133
ND		1.64	1.032		mg/Kg		63	22 - 120
ND		1.64	1.116		mg/Kg		68	28 - 120
ND		1.64	1.069		mg/Kg		65	10-120
ND		1.64	1.141		mg/Kg		69	20 - 123
ND		1.64	1.030		mg/Kg		63	21 - 122
ND		1.64	1.042		mg/Kg		63	20 - 120
ND		1.64	1.059		mg/Kg		64	12-128
ND		1.64	1.079		mg/Kg		66	10 - 143
ND		1.64	1.061		mg/Kg		65	20 - 120
ND		1.64	1.029		mg/Kg		63	22 - 121
ND		1.64	0.9924		mg/Kg		60	10-120
ND		1.64	1.001		mg/Kg		61	13 - 120
MS	MS							
%Recovery	Qualifier	Limits						
58		29 - 120						
	Result ND	ND N	Result         Qualifier         Added           ND         1.64           ND         1.64	Result ND         Added 1.64         Result 0.9547           ND         1.64         0.9547           ND         1.64         1.069           ND         1.64         1.057           ND         1.64         1.058           ND         1.64         1.032           ND         1.64         1.116           ND         1.64         1.069           ND         1.64         1.030           ND         1.64         1.030           ND         1.64         1.059           ND         1.64         1.079           ND         1.64         1.061           ND         1.64         1.029           ND         1.64         1.029           ND         1.64         1.029           ND         1.64         1.001           MS         MS           %Recovery         Qualifier         Limits	Result ND         Added No.9547           ND         1.64         0.9547           ND         1.64         1.069           ND         1.64         1.057           ND         1.64         1.051           ND         1.64         1.058           ND         1.64         1.032           ND         1.64         1.069           ND         1.64         1.069           ND         1.64         1.030           ND         1.64         1.030           ND         1.64         1.059           ND         1.64         1.079           ND         1.64         1.079           ND         1.64         1.029           ND         1.64         1.029           ND         1.64         0.9924           ND         1.64         1.001           MS         MS           %Recovery         Qualifier         Limits	Result         Qualifier         Added         Result         Qualifier         Unit           ND         1.64         0.9547         mg/Kg           ND         1.64         1.069         mg/Kg           ND         1.64         1.057         mg/Kg           ND         1.64         1.061         mg/Kg           ND         1.64         1.058         mg/Kg           ND         1.64         1.032         mg/Kg           ND         1.64         1.116         mg/Kg           ND         1.64         1.069         mg/Kg           ND         1.64         1.041         mg/Kg           ND         1.64         1.030         mg/Kg           ND         1.64         1.042         mg/Kg           ND         1.64         1.059         mg/Kg           ND         1.64         1.079         mg/Kg           ND         1.64         1.061         mg/Kg           ND         1.64         1.029         mg/Kg           ND         1.64         1.029         mg/Kg           ND         1.64         0.9924         mg/Kg           ND         1.64	Result         Qualifier         Added         Result         Qualifier         Unit         D           ND         1.64         0.9547         mg/Kg           ND         1.64         1.069         mg/Kg           ND         1.64         1.057         mg/Kg           ND         1.64         1.061         mg/Kg           ND         1.64         1.058         mg/Kg           ND         1.64         1.032         mg/Kg           ND         1.64         1.116         mg/Kg           ND         1.64         1.069         mg/Kg           ND         1.64         1.041         mg/Kg           ND         1.64         1.030         mg/Kg           ND         1.64         1.042         mg/Kg           ND         1.64         1.059         mg/Kg           ND         1.64         1.079         mg/Kg           ND         1.64         1.061         mg/Kg           ND         1.64         1.029         mg/Kg           ND         1.64         1.029         mg/Kg           ND         1.64         0.9924         mg/Kg           ND         <	Result Qualifier         Added Added Action         Result Qualifier         Unit D %Rec mg/Kg         58           ND         1.64         0.9547         mg/Kg         58           ND         1.64         1.069         mg/Kg         65           ND         1.64         1.057         mg/Kg         64           ND         1.64         1.061         mg/Kg         65           ND         1.64         1.058         mg/Kg         64           ND         1.64         1.032         mg/Kg         63           ND         1.64         1.069         mg/Kg         65           ND         1.64         1.069         mg/Kg         65           ND         1.64         1.030         mg/Kg         63           ND         1.64         1.030         mg/Kg         63           ND         1.64         1.042         mg/Kg         63           ND         1.64         1.079         mg/Kg         64           ND         1.64         1.079         mg/Kg         65           ND         1.64         1.029         mg/Kg         65           ND         1.64         1.029         m

TestAmerica Nashville

13-120

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

Lab Sample ID: 490-83596-G-1-B MS

Lab Sample ID: 490-83596-G-1-C MSD

Matrix: Solid

Matrix: Solid

Nitrobenzene-d5 (Surr)

Analysis Batch: 268573

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 268561

MS MS

%Recovery Qualifier Surrogate

Limits 27 - 120 63

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 268561 RPD

Analysis Batch: 268573 Sample Sample Spike MSD MSD %Rec. Unit Result Qualifier Added Result Qualifier %Rec Limits Analyte RPD Limit 0.7399 Acenaphthylene ND 1.64 mg/Kg 45 25 - 120 25 50 Anthracene ND 1.64 0.8269 28 - 125 mg/Kg 51 26 49 Benzo[a]anthracene ND 1.64 0.8182 23 - 120 mg/Kg 50 25 50 0.8152 ND Benzo[a]pyrene 1.64 mg/Kg 50 15 - 128 26 50 Benzo[b]fluoranthene ND 1.64 0.8164 mg/Kg 50 12-133 26 50 0.7932 Benzo[g,h,i]perylene ND 1.64 mg/Kg 48 22 - 120 26 50 ND 28 - 120 1.64 0.8460 Benzo[k]fluoranthene mg/Kg 52 28 45 0.8431 10-120 1-Methylnaphthalene ND 1.64 mg/Kg 52 24 50 ND 1.64 0.8717 53 20 - 123 Pyrene mg/Kg 27 50 ND 1.64 0.7858 48 21-122 Phenanthrene mg/Kg 27 50 ND Chrysene 1.64 0.7939 mg/Kg 49 20 - 120 27 49 Dibenz(a,h)anthracene ND 1.64 0.8132 mg/Kg 50 12-128 26 50 ND Fluoranthene 1.64 0.8412 mg/Kg 51 10-143 25 50 ND 0.8250 Fluorene 1 64 mg/Kg 50 20 - 120 25 50 ND 1.64 48 22-121 Indeno[1,2,3-cd]pyrene 0.7780 mg/Kg 28 50 Naphthalene ND 1.64 0.7799 48 10-120 mg/Kg 24 50 2-Methylnaphthalene ND 1.64 0.7927 48 13-120 mg/Kg 23 50

MSD MSD

Surrogate %Recovery Qualifier Limits 29 - 120 2-Fluorobiphenyl (Surr) 64 73 13 - 120 Terphenyl-d14 (Surr) 69 27 - 120 Nitrobenzene-d5 (Surr)

#### Method: Moisture - Percent Moisture

Lab Sample ID: 490-83612-C-1 DU

Matrix: Solid

Percent Solids

Analyte

Analysis Batch: 268640

Sample Sample Result Qualifier

75

DU DU Result Qualifier

74

Unit %

D

RPD RPD

Client Sample ID: Duplicate

Prep Type: Total/NA

Limit 20

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

## GC/MS VOA

Prep Batch: 26	8988
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-83650-1	1065 Gardenia	Total/NA	Soil	5035	-
490-83650-1	1065 Gardenia	Total/NA	Soil	5035	
490-83650-2	1063 Gardenia	Total/NA	Soil	5035	
490-83650-3	1141 Iris	Total/NA	Soil	5035	

#### Analysis Batch: 269466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-83650-1	1065 Gardenia	Total/NA	Soil	8260B	268988
490-83650-2	1063 Gardenia	Total/NA	Soil	8260B	268988
490-83650-3	1141 Iris	Total/NA	Soil	8260B	268988
LCS 490-269466/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-269466/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Total/NA

Solid

8260B

#### Analysis Batch: 269642

Method Blank

MB 490-269466/7

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-83650-1	1065 Gardenia	Total/NA	Soil	8260B	268988
LCS 490-269642/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 490-269642/7	Method Blank	Total/NA	Solid	8260B	

#### GC/MS Semi VOA

#### Prep Batch: 268561

	Lab Sample ID 490-83596-G-1-B MS	Client Sample ID Matrix Spike	Prep Type Total/NA	Matrix Solid	Method 3550C	Prep Batch
	490-83596-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
1	490-83650-1	1065 Gardenia	Total/NA	Soil	3550C	
-	490-83650-2	1063 Gardenia	Total/NA	Soil	3550C	
	490-83650-3	1141 Iris	Total/NA	Soil	3550C	
1	LCS 490-268561/2-A	Lab Control Sample	Total/NA	Solid	3550C	
1	LCSD 490-268561/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
1	MB 490-268561/1-A	Method Blank	Total/NA	Solid	3550C	

### Analysis Batch: 268573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-83596-G-1-B MS	Matrix Spike	Total/NA	Solid	8270D	268561
490-83596-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	268561
490-83650-1	1065 Gardenia	Total/NA	Soil	8270D	268561
490-83650-2	1063 Gardenia	Total/NA	Soil	8270D	268561
490-83650-3	1141 Iris	Total/NA	Soil	8270D	268561
LCS 490-268561/2-A	Lab Control Sample	Total/NA	Solid	8270D	268561
LCSD 490-268561/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	268561
MB 490-268561/1-A	Method Blank	Total/NA	Solid	8270D	268561

## General Chemistry

#### Analysis Batch: 268640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-83612-C-1 DU	Duplicate	Total/NA	Solid	Moisture	And a hard
490-83650-1	1065 Gardenia	Total/NA	Soil	Moisture	

# **QC Association Summary**

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-83650-1

## General Chemistry (Continued)

Analysis Batch: 268640 (Continued)

Lab Sample ID 490-83650-2 490-83650-3 Client Sample ID 1063 Gardenia 1141 Iris Prep Type Total/NA Total/NA Matrix Soil Soil Method Moisture Moisture Prep Batch

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## Lab Chronicle

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-83650-1

Client Sample ID: 1065 Gardenia

Date Collected: 07/21/15 13:00 Date Received: 07/25/15 08:20 Lab Sample ID: 490-83650-1

Matrix: Soil

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.608 g	5.00 mL	268988	07/21/15 12:00	MAH	TAL NSH
Total/NA	Analysis	8260B		1	5.608 g	5.00 mL	269466	07/30/15 22:45	WC1	TAL NSH
Total/NA	Prep	5035			5.942 g	5.00 mL	268988	07/21/15 12:00	MAH	TAL NSH
Total/NA	Analysis	8260B		1	5.942 g	5.00 mL	269642	07/31/15 15:44	WC1	TAL NSH
Total/NA	Prep	3550C			30.46 g	1 mL	268561	07/28/15 09:37	LDC	TAL NSH
Total/NA	Analysis	8270D		1	30.46 g	1 mL	268573	07/28/15 21:50	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			268640	07/28/15 10:30	MAA	TAL NSH

Client Sample ID: 1063 Gardenia

Date Collected: 07/22/15 14:15 Date Received: 07/25/15 08:20 Lab Sample ID: 490-83650-2

Matrix: Soil

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.323 g	5.00 mL	268988	07/22/15 13:15	MAH	TAL NSH
Total/NA	Analysis	8260B		1	6.323 g	5.00 mL	269466	07/30/15 23:16	WC1	TAL NSH
Total/NA	Prep	3550C			30.38 g	1 mL	268561	07/28/15 09:37	LDC	TAL NSH
Total/NA	Analysis	8270D		1	30.38 g	1 mL	268573	07/28/15 22:16	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			268640	07/28/15 10:30	MAA	TAL NSH

Client Sample ID: 1141 Iris

Date Collected: 07/23/15 10:45 Date Received: 07/25/15 08:20 Lab Sample ID: 490-83650-3

Matrix: Soil

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.192 g	5.00 mL	268988	07/23/15 09:45	MAH	TAL NSH
Total/NA	Analysis	8260B		1	5.192 g	5.00 mL	269466	07/30/15 23:47	WC1	TAL NSH
Total/NA	Prep	3550C			30.28 g	1 mL	268561	07/28/15 09:37	LDC	TAL NSH
Total/NA	Analysis	8270D		1	30.28 g	1 mL	268573	07/28/15 22:42	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			268640	07/28/15 10:30	MAA	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: 490-83650-1

Method Method Description

8260B Volatile Organic Compounds (GC/MS)
8270D Semivolatile Organic Compounds (GC/MS)

Moisture Percent Moisture

Protocol SW846 SW846 TAL NSH TAL NSH

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

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## **Certification Summary**

Client: Small Business Group Inc.

Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-83650-1

#### Laboratory: TestAmerica Nashville

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

 Authority
 Program
 EPA Region
 Certification ID
 Expiration Date

 North Carolina (WW/SW)
 State Program
 4
 387
 12-31-15

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

South Carolina State Program 4 84009 (001) 02-28-16

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

Analysis Method Prep Method Matrix Analyte

8270D 3550C Soil 1-Methylnaphthalene Moisture Soil Percent Solids



Cooler Received/Opened On 7/25/2015 @ 0820

#### COOLER RECEIPT FORM



1. Tracking #	3980	(last 4 digits, Fe	edEx)		
Courier: FedEx	IR Gun ID_946602	20_			
2. Temperature of	rep. sample or temp blar	nk when opened: 0	,才 Degrees	Celsius	
3. If Item #2 temper	rature is 0°C or less, was	the representative	sample or ter	mp blank frozen?	YES NO. NA
4. Were custody se	als on outside of cooler	? ,			(FES)NONA
If yes, how many	y and where: (2) From	nt/Brok			
	ntact, signed, and dated	The same of the sa			YES NONA
6. Were custody pa	pers inside cooler?		*		ES NONA
I certify that I opene	ed the cooler and answer	red questions 1-6 (i	ntial)		Mon
7. Were custody se	als on containers:	YES	NO	and Intact	YESNO. (NA)
Were these signe	ed and dated correctly?				YESNO. NA
8. Packing mat'l us	ed? Bubblewrap Plasti	ic bag Peanuts V	ermiculite F	oam Insert Paper	Other None
9. Cooling process		lce lce-pack	Ice (direct o	contact) Dry ice	Other None
10. Did all contains	rs arrive in good conditi	ion (unbroken)?		(	YES NONA
11. Were all contain	ner labels complete (#, d	ate, signed, pres.,	etc)?	(	YES NO NA
12. Did all contains	r labels and tags agree v	with custody paper	s?		YES.NONA
13a. Were VOA vial	s received?				YES .NONA
b. Was there any	observable headspace	present in any VOA	vial?		YESNO. NA
14. Was there a Trip	p Blank in this cooler?	YES. NO. NA	If multiple	coolers, sequenc	e #
I certify that I unload	ded the cooler and answ	rered questions 7-1	4 (intial)	DA	
15a. On pres'd bott	tles, did pH test strips su	iggest preservation	reached the	correct pH level?	YESNO.NA
b. Did the bottle	labels indicate that the	correct preservativ	es were used		YESNO (NA)
16. Was residual ch	nlorine present?				YESNO (NA)
I certify that I check	ed for chlorine and pH a	s per SOP and ans	wered questi	ons 15-16 (intial)	DA
17. Were custody p	papers properly filled out	t (ink, signed, etc)?			YES NO NA
18. Did you sign the	e custody papers in the	appropriate place?	21		YES .NONA
19. Were correct co	ontainers used for the an	nalysis requested?			YES NO NA
20. Was sufficient a	amount of sample sent i	n each container?			YES NONA
I certify that I entere	ed this project into LIMS	and answered que	stions 17-20 (	intial) DA	
I certify that I attach	ned a label with the uniqu	ue LIMS number to	each contain	er (intial) DA	
21. Were there Non	-Conformance Issues at	login? YES (NO)	Was a NCM	nenerated? YES(	NO.#

Relinquished by:	Relinquished by:	Special Instructions:				7.812	1063 GARDENIA	1065 GARDEN, A	Sample ID / Description		Sampler Signature:	Sampler Name: (Print)	Telephone Number: 843,412,2097	Project Manager:	City/State/Zip:	Address:	Client Name/Account #: SBG - EEG # 2449	THE LEADER IN ENVIRONMENTAL TESTING
Date Time Beceived by Testamerical TAN 7-25-15	7/24/15 1930 TRUE	Method of Shipment:				151045 5 X 2 21	7/22/15/14/5 5 1/2 2 21 1	7/21/15 1300 57   2   21   1	Date Sampled  Time Sampled  No. of Containers Shipped  Grab  Composite  Field Filtered  Ice  HiNO <sub>3</sub> (Red Label)  HGH (Blue Label)  HGH (Orange Label)  NaOH (Orange Label)  None (Black Label)  Other (Specify)  Groundwater  Wastewater  Drinking Water  Studgé  Soii	Preservative Matrix	- AND 73	できていてもら	843.412.2097 Fax No. (843) 412-2021	Project Manager: Tom McElwee email: mcslwee@eeginc.net	City/State/Zip: Ladson, SC 29456	Address: 10179 Highway 78	SBG - EEG # 2449	Nashville Division Phone: 615-726-0177 2960 Foster Creighton Toll Free: 800-765-0980 Fax: 615-726-3404
Time	Time	Laboratory Comments:  Temperature Upon Receipt: O, 7  VOCs Free of Headspace?  Y  N				×	×	× ×	Qfher (specify):  BTEX + Napth - 8260  PAH - 8270D  RUSH TAT (Pre-Schedule Standard TAT Fax Results  Send QC with report 20 of 24	Analyze For:	Project#:	Project ID: Laurel Bay Housing Project	TA Quote #:	PO# 1406	Site State: SC	Enforcement Action? Yes No	Compliance Wonitoring? Yes No	To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Loc: 490 83650

8/4/2015

## Login Sample Receipt Checklist

Client: Small Business Group Inc. Job Number: 490-83650-1

Login Number: 83650 List Source: TestAmerica Nashville

List Number: 1

Creator: Armstrong, Daniel

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	0.7C
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	
A STATE OF THE STA		

# 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 1063Gardenia, 1063 Gardenia St., 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.

1.0.190ee / 8/18/15 (Name) (Date)

# Appendix C Regulatory Correspondence





August 3, 2016

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

Dated July 2015, November 2015

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (the Department) received the Underground Storage Tanks (USTs) Assessment Reports for the addresses listed in the attachment. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seg., 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 petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

XIRTS

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

Cc: Russell Berry, EQC Region 8 (via email)

Bryan Beck, NAVFAC MIDATLANTIC (via email)

Craig Ehde (via email)

Attachment to: Petrus to Drawdy
Subject: No Further Action
Dated August 3, 2016

# Laurel Bay Underground Assessment Reports for (28 addresses/29 tanks)

309 Ash	1001 Bobwhite
477 Dogwood Tank 2	1020 Foxglove
563 Dahlia	1063 Gardenia
659 Camellia	1065 Gardenia Tank 2
1213 Cardinal	1100 Iris Tank 3*
114 Banyan	1139 Iris
158 Cypress	1141 Iris Tank 2
459 Elderberry	1174 Bobwhite
611 Dahlia	1184 Bobwhite Tank 1
656 Camellia	1184 Bobwhite Tank 2
671 Camellia	1220 Cardinal
678 Camellia	1253 Dove
724 Bluebell	1332 Albatross
732 Bluebell	1387 Dove
934 Albacore	