SUMMARY REPORT 454 IRIS LANE (FORMERLY 1139 IRIS LANE) LAUREL BAY MILITARY HOUSING AREA MARINE CORPS AIR STATION BEAUFORT BEAUFORT, SC

> Revision: 0 Prepared for:

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

and



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

JUNE 2021

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Naval Facilities Engineering Command Atlantic

9324 Virginia Avenue Norfolk, Virginia 23511-3095 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
СТО	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 454 Iris Lane (Formerly 1139 Iris Lane). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

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



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

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential 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 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 454 Iris Lane (Formerly 1139 Iris Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1139 Iris Lane* (MCAS Beaufort, 2015). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On July 7, 2015, a single 280 gallon heating oil UST was removed from the front landscaped area adjacent to the concrete porch at 454 Iris Lane (Formerly 1139 Iris Lane). 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 6'0" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

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



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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location 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 454 Iris Lane (Formerly 1139 Iris Lane) 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 454 Iris Lane (Formerly 1139 Iris Lane). 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 – 1139 Iris Lane, 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 1Laboratory Analytical Results - Soil454 Iris Lane (Formerly 1139 Iris Lane)Laurel Bay Military Housing AreaMarine Corps Air Station BeaufortBeaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 07/07/15
Volatile Organic Compounds Analyzed	by EPA Method 8260B (mg/kg)	•
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	0.00213
Toluene	0.627	ND
Xylenes, Total	13.01	0.00183
Semivolatile Organic Compounds Ana	yzed by EPA Method 8270D (mg/kg)	
Benzo(a)anthracene	0.66	0.0900
Benzo(b)fluoranthene	0.66	0.0519
Benzo(k)fluoranthene	0.66	0.0301
Chrysene	0.66	0.0908
Dibenz(a,h)anthracene	0.66	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

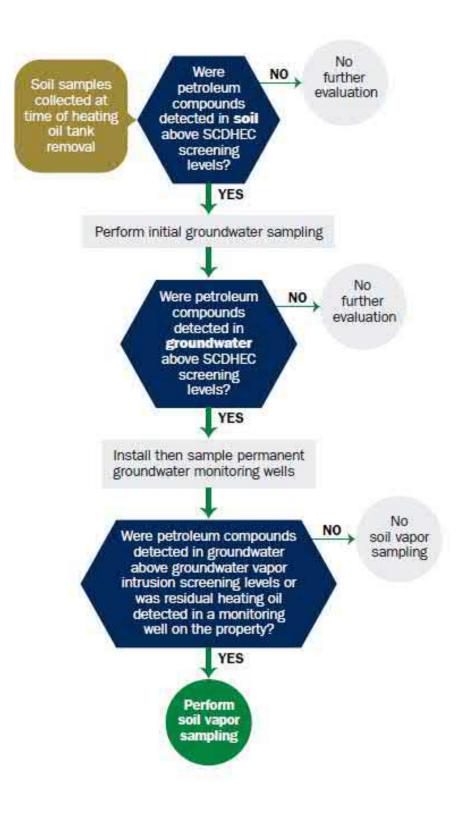
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A Multi-Media Selection Process for LBMH





Appendix A - Multi-Media Selection Process for LBMH

Appendix B UST Assessment Report



Attachment 1

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

Date Received State Use 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, C	ommanding Officer Attn: NR	EAO (Craig Ehde)	
Owner Name (Corporatio	on, 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 Milita Facility Name or Company	ry Housing Area,	Marine (Corps Ai	Station,	Beaufort,	SC
Facility Name or Company	Site Identifier					
1139 Iris Lane, L	aurel Bay Militar	y Housin	ng Area			
Street Address or State Roa	I (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)

	VI. UST INFORMATION	1139Iris
		Heating oil
A٠	Product(ex. Gas, Kerosene)	heating on
B.	Capacity(ex. 1k, 2k)	280 gal
C.	Age	Late 1950s
D.	Construction Material(ex. Steel, FRP)	Steel
E٠	Month/Year of Last Use	Mid 1980s
F.	Depth (ft.) To Base of Tank	6 '
G.	Spill Prevention Equipment Y/N	No
H.	Overfill Prevention Equipment Y/N	No
Ŀ	Method of Closure Removed/Filled	Removed
J.	Date Tanks Removed/Filled	7/7/2015
K.	Visible Corrosion or Pitting Y/N	Yes
L.	Visible Holes Y/N	Yes

M. Method of disposal for any USTs removed from the ground (attach disposal manifests) <u>UST 1139Iris was removed from the ground and disposed at a</u> Subtitle "D" landfill. See Attachment "A."

Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
 UST 1139Iris was 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 throughout the tank.

VII. PIPING INFORMATION

		1139Iris	
		Steel	1
A.	Construction Material(ex. Steel, FRP)	& Copper	_
B.	Distance from UST to Dispenser	N/A	
C.	Number of Dispensers	N/A	
D.	Type of System Pressure or Suction	Suction	
E.	Was Piping Removed from the Ground? Y/N	No	
F.	Visible Corrosion or Pitting Y/N	Yes	
G.	Visible Holes Y/N	No	
H.	Age	Late 1950s	
I.	If any corrosion, pitting, or holes were observed,	describe the location and extent for each piping pur	

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

Β.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
139Iris	Excav at fill end	Soil	Sandy	6 '	7/7/15 1400 hrs	P. Shaw	1
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							467
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

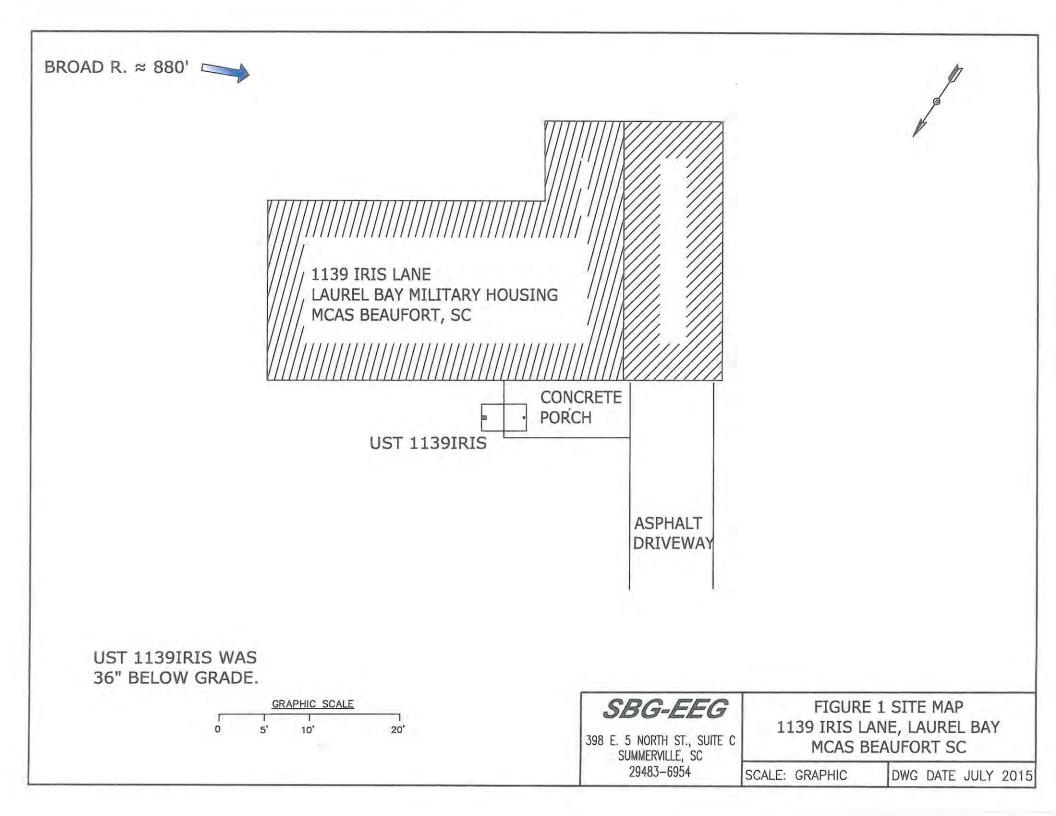
XII. RECEPTORS

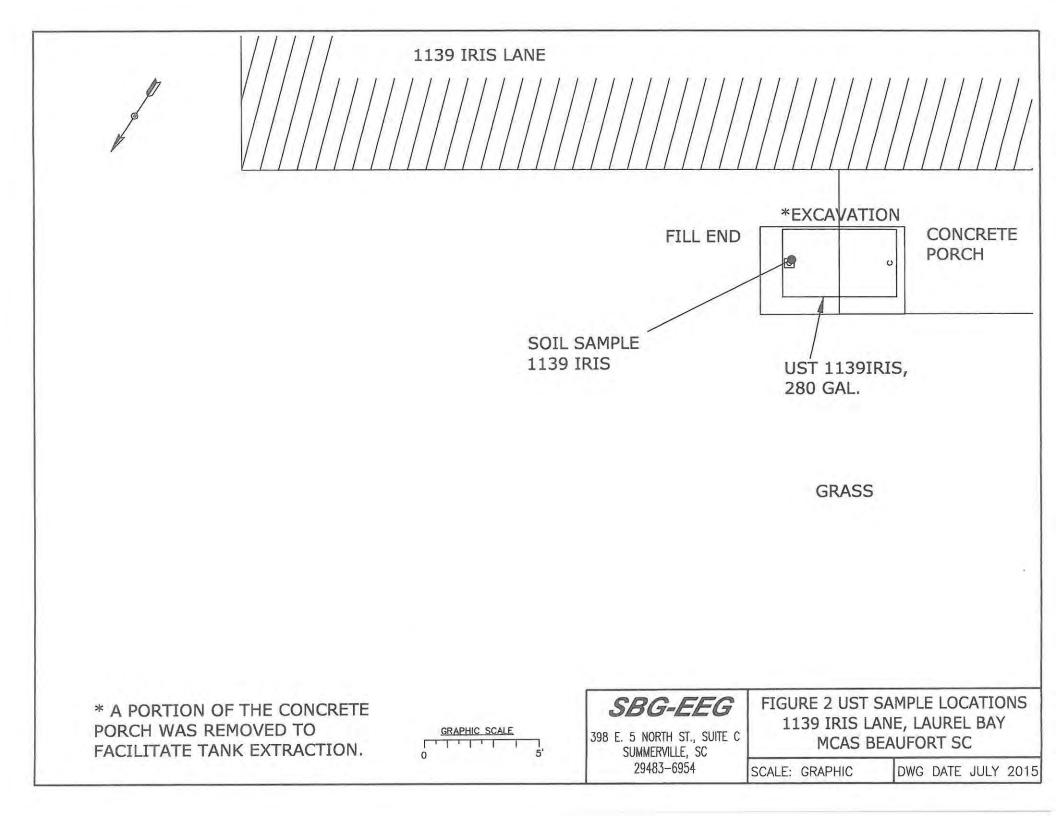
		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?	*X	
	*Broad River		
	If yes, indicate type of receptor, distance, and direction on site map.		
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?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

XIII. SITE MAP

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

(Attach Site Map Here)







Picture 1: Location of UST 1139Iris.



Picture 2: Tank 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	1139Iris			
Benzene	ND			
Toluene	ND			
Ethylbenzene	ND			
Xylenes	0.00183 mg/kg	3		0.04
Naphthalene	0.00213 mg/kg	а		
Benzo (a) anthracene	0.0900 mg/kg			
Benzo (b) fluoranthene	0.0519 mg/kg			
Benzo (k) fluoranthene	0.0301 mg/kg			
Chrysene	0.0908 mg/kg			
Dibenz (a, h) anthracene	ND			
ТРН (ЕРА 3550)				
CoC				
Benzene				
Toluene				
Ethylbenzene				
Xylenes				
Naphthalene		1		
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				1
Benzo (b) flouranthene	10				
Benzo (k) flouranthene	10				1
Chrysene	10				
Dibenz (a, h) anthracene	10				
EDB	.05				
1,2-DCA	5				
Lead	Site specific				

XV. ANALYTICAL RESULTS

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

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



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 490-82596-1 Client Project/Site: Laurel Bay Housing Project

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

Attn: Tom McElwee

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Kuth Hage

Authorized for release by: 7/27/2015 5:09:42 PM

Ken Hayes, Project Manager II (615)301-5035 ken.hayes@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: 490-82596-1

Lab Sample ID	Client Sample ID	Matrix	Collected Received	
490-82596-1	1139 Iris	Solid	07/07/15 14:00 07/11/15 09:00	
490-82596-2	724 Bluebell	Solid	07/09/15 10:15 07/11/15 09:00	
490-82596-3	611 Dahlia	Solid	07/09/15 10:45 07/11/15 09:00	
490-82596-4	114 Banyan	Solid	07/09/15 11:30 07/11/15 09:00	
490-82596-5	121 Banyan	Solid	07/09/15 12:00 07/11/15 09:00	

TestAmerica Nashville

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-82596-1

Job ID: 490-82596-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-82596-1

Comments No additional comments.

Receipt

The samples were received on 7/11/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° 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 analytical batch 490-266566.

Method(s) 8260B: The method blank for analytical batch 490-266566 contained Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: Surrogate recovery for the following samples was outside control limits: 724 Bluebell (490-82596-2) and 611 Dahlia (490-82596-3). 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 analytical batch 490-267093.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: 724 Bluebell (490-82596-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC/MS Semi VOA

Method(s) 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-266092 and analytical batch 490-266292.

No additional analytical or quality issues were noted, other than those described above or 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.

Definitions/Glossary

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

TestAmerica Job ID: 490-82596-1

5

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
Ĵ	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.
a	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)
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)

TestAmerica Nashville

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

Client Sample ID: 1139 Iris Date Collected: 07/07/15 14:00 Date Received: 07/11/15 09:00

Conoral Chomistry

Analyte	Result Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82	0.10	0.10	%			07/14/15 16:20	1

Lab Sample ID: 490-82596-1 Matrix: Solid

TestAmerica Nashville

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

Client Sample ID: 1139 Iris

Date Collected: 07/07/15 14:00 Date Received: 07/11/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	2	0.00200	0.000671	mg/Kg	á	07/07/15 14:00	07/21/15 21:04	1
Ethylbenzene	ND		0.00200	0.000671	mg/Kg	¢	07/07/15 14:00	07/21/15 21:04	1
Naphthalene	0.00213	JB	0.00501	0.00170	mg/Kg	Ċ	07/07/15 14:00	07/21/15 21:04	1
Toluene	ND		0.00200	0.000741	mg/Kg	÷	07/07/15 14:00	07/21/15 21:04	1
Xylenes, Total	0.00183	J	0.00501	0.00123	mg/Kg	Q	07/07/15 14:00	07/21/15 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130				07/07/15 14:00	07/21/15 21:04	1
4-Bromofluorobenzene (Surr)	112		70-130				07/07/15 14:00	07/21/15 21:04	1
Dibromofluoromethane (Surr)	.99		70-130				07/07/15 14:00	07/21/15 21:04	1
Toluene-d8 (Surr)	100		70 - 130				07/07/15 14:00	07/21/15 21:04	1
Method: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0668	0.00997	mg/Kg	Q.	07/18/15 14:52	07/20/15 16:16	1
and the second			101000				second and a second second second		

Acenaphthene	ND	0.0668	0.00997	mg/Kg	Ċ,	07/18/15 14:52	07/20/15 16:16	1
Acenaphthylene	ND	0.0668	0.00898	mg/Kg	- 24	07/18/15 14:52	07/20/15 16:16	1
Anthracene	ND	0.0668	0.00898	mg/Kg	\$	07/18/15 14:52	07/20/15 16:16	1
Benzo[a]anthracene	0.0900	0.0668	0.0150	mg/Kg	\$	07/18/15 14:52	07/20/15 16:16	1
Benzo[a]pyrene	ND	0.0668	0.0120	mg/Kg	4	07/18/15 14:52	07/20/15 16:16	1
Benzo[b]fluoranthene	0.0519 J	0.0668	0.0120	mg/Kg	÷.	07/18/15 14:52	07/20/15 16:16	1
Benzo[g,h,i]perylene	ND	0.0668	0.00898	mg/Kg	\$	07/18/15 14:52	07/20/15 16:16	1
Benzo[k]fluoranthene	0.0301 J	0.0668	0.0140	mg/Kg	4	07/18/15 14:52	07/20/15 16:16	1
1-Methylnaphthalene	ND	0.0668	0.0140	mg/Kg	4	07/18/15 14:52	07/20/15 16:16	1
Pyrene	0.142	0.0668	0.0120	mg/Kg	¢	07/18/15 14:52	07/20/15 16:16	1
Phenanthrene	ND	0.0668	0.00898	mg/Kg	\$	07/18/15 14:52	07/20/15 16:16	1
Chrysene	0.0908	0.0668	0.00898	mg/Kg	φ	07/18/15 14:52	07/20/15 16:16	1
Dibenz(a,h)anthracene	ND	0.0668	0.00698	mg/Kg	-1	07/18/15 14:52	07/20/15 16:16	1
Fluoranthene	0.183	0.0668	0.00898	mg/Kg	¢	07/18/15 14:52	07/20/15 16:16	1
Fluorene	ND	0.0668	0.0120	mg/Kg	¢.	07/18/15 14:52	07/20/15 16:16	1
Indeno[1,2,3-cd]pyrene	ND	0.0668	0.00997	mg/Kg	¢.	07/18/15 14:52	07/20/15 16:16	1
Naphthalene	ND	0.0668	0.00898	mg/Kg	. 5	07/18/15 14:52	07/20/15 16:16	1
2-Methylnaphthalene	ND	0.0668	0.0160	mg/Kg	¢	07/18/15 14:52	07/20/15 16:16	1
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	75	29 - 120				07/18/15 14:52	07/20/15 16:16	1
Terphenyl-d14 (Surr)	100	13 - 120				07/18/15 14:52	07/20/15 16:16	1
Nitrobenzene-d5 (Surr)	76	27 - 120				07/18/15 14:52	07/20/15 16:16	1

Lab Sample ID: 490-82596-1 Matrix: Solid Percent Solids: 81.7

6

Client Sample ID: 724 Bluebell Date Collected: 07/09/15 10:15 Date Received: 07/11/15 09:00

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10	0.10	%			07/14/15 16:20	1

TestAmerica Job ID: 490-82596-1

6

Lab Sample ID: 490-82596-2 Matrix: Solid 0.0663

0.0663

0.0663

0.0663

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Limits

29-120

13-120

27-120

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

Client Sample ID: 724 Bluebell

Date Collected: 07/09/15 10:15 Date Received: 07/11/15 09:00

Benzo[a]pyrene

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

Benzo[k]fluoranthene

1-Methylnaphthalene

Dibenz(a,h)anthracene

Indeno[1,2,3-cd]pyrene

2-Methylnaphthalene

2-Fluorobiphenyl (Surr)

Terphenyl-d14 (Surr) Nitrobenzene-d5 (Surr)

Pyrene

Chrysene

Fluorene

Phenanthrene

Fluoranthene

Naphthalene

Surrogate

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

termine an amount of a locality of 5	Journe e arribe		and and a second s			
Analyte	Result	Qualifier	RL	MDL	Unit	
Benzene	ND		0.00209	0.000701	mg/Kg	
Ethylbenzene	0.00128	J	0.00209	0.000701	mg/Kg	
Naphthalene	0.00952		0.00520	0.00177	mg/Kg	
Toluene	0.000890	J	0.00209	0.000774	mg/Kg	
Xylenes, Total	0.0192		0.00523	0.00129	mg/Kg	
Surrogate	%Recovery	Qualifier	Limits			
1,2-Dichloroethane-d4 (Surr)	98		70-130			
1,2-Dichloroethane-d4 (Surr)	92		70 - 130			
4-Bromofluorobenzene (Surr)	162	X	70 - 130			
4-Bromofluorobenzene (Surr)	147	X	70-130			
Dibromofluoromethane (Surr)	106		70 - 130			
Dibromofluoromethane (Surr)	103		70 - 130			
Toluene-d8 (Surr)	103		70 - 130			
Toluene-d8 (Surr)	103		70 - 130			
Method: 8270D - Semivolatil	e Organic Co	mpounds	(GC/MS)			
Analyte	Result	Qualifier	RL	MDL	Unit	
Acenaphthene	ND		0.0663	0.00990	mg/Kg	
Acenaphthylene	ND		0.0663	0.00891	mg/Kg	
Anthracene	ND		0.0663	0.00891	mg/Kg	
Benzo[a]anthracene	ND		0.0663	0.0148	mg/Kg	

ND

%Recovery Qualifier

71

93

69

TestAmerica Job ID: 490-82596-1

Lab Sample ID: 490-82596-2 Matrix: Solid Percent Solids: 87.0

-

MDL	Unit	D	Prepared	Analyzed	Dil Fac	
0.000701	mg/Kg	ų.	07/09/15 10:15	07/21/15 20:35	1	1
0.000701	mg/Kg	¢	07/09/15 10:15	07/21/15 20:35	1	
0.00177	mg/Kg	0	07/09/15 10:15	07/22/15 18:28	1	1
0.000774	mg/Kg	\$	07/09/15 10:15	07/21/15 20:35	1	
0.00129	mg/Kg	\$	07/09/15 10:15	07/21/15 20:35	1	
			Prepared	Analyzed	Dil Fac	
			07/09/15 10:15	07/21/15 20:35	1	
			07/09/15 10:15	07/22/15 18:28	1	
			07/09/15 10:15	07/21/15 20:35	1	
			07/09/15 10:15	07/22/15 18:28	1	
			07/09/15 10:15	07/21/15 20:35	1	
			07/09/15 10:15	07/22/15 18:28	1	
			07/09/15 10:15	07/21/15 20:35	1	
			07/09/15 10:15	07/22/15 18:28	1	
MDL	Unit	D	Prepared	Analyzed	Dil Fac	
0.00990	mg/Kg	\$	07/18/15 14:52	07/20/15 16:43	1	
0.00891	mg/Kg	t,	07/18/15 14:52	07/20/15 16:43	1	
0.00891	mg/Kg	4	07/18/15 14:52	07/20/15 16:43	1	
0.0148	mg/Kg		07/18/15 14:52	07/20/15 16:43	1	
0.0119	mg/Kg	14	07/18/15 14:52	07/20/15 16:43	1	
0.0119	mg/Kg	\$	07/18/15 14:52	07/20/15 16:43	1	
0.00891	mg/Kg	4	07/18/15 14:52	07/20/15 16:43	1	
0.0139	mg/Kg	1	07/18/15 14:52	07/20/15 16:43	1	
0.0139	mg/Kg		07/18/15 14:52	07/20/15 16:43	1	
0.0119	mg/Kg	\$	07/18/15 14:52	07/20/15 16:43	1	
0.00891	mg/Kg	4	07/18/15 14:52	07/20/15 16:43	1	
0.00891	mg/Kg	4	07/18/15 14:52	07/20/15 16:43	1	
0.00693	mg/Kg	¢.	07/18/15 14:52	07/20/15 16:43	1	
0.00891	mg/Kg	÷.	07/18/15 14:52	07/20/15 16:43	1	
0.0119	mg/Kg	-\$	07/18/15 14:52	07/20/15 16:43	1	
0.00990	mg/Kg	-2-	07/18/15 14:52	07/20/15 16:43	1	
0.00891	mg/Kg	1	07/18/15 14:52	07/20/15 16:43	1	
0.0158	mg/Kg	¢	07/18/15 14:52	07/20/15 16:43	1	
			Prepared	Analyzed	Dil Fac	
			07/18/15 14:52	07/20/15 16:43	1	
			07/18/15 14:52	07/20/15 16:43	1	
			07/18/15 14:52	07/20/15 16:43	1	

Client Sample ID: 611 Dahlia

Date Collected: 07/09/15 10:45 Date Received: 07/11/15 09:00

General Chemistry Analyte	Result Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90	0.10	0.10			S. 19	07/14/15 16:20	1

Lab Sample ID: 490-82596-3 Matrix: Solid

6

Client Sample ID: 611 Dahlia

Date Collected: 07/09/15 10:45 Date Received: 07/11/15 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	
Benzene	ND		0.00196	0.000655	mg/Kg	
Ethylbenzene	ND		0.00196	0.000655	mg/Kg	
Naphthalene	ND		0.00489	0.00166	mg/Kg	
Toluene	ND		0.00196	0.000724	mg/Kg	
Xylenes, Total	ND		0.00489	0.00120	mg/Kg	
Surrogate	%Recovery	Qualifier	Limits			
1,2-Dichloroethane-d4 (Surr)	98		70 - 130			
4-Bromofluorobenzene (Surr)	134	X	70 - 130			
Dibromofluoromethane (Surr)	106		70-130			
Toluene-d8 (Surr)	105		70 - 130			

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

Method, 0210D - Gennvon	attie organic ou	inpounds	100/10/0]						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0665	0.00992	mg/Kg	*	07/18/15 14:52	07/20/15 17:09	1
Acenaphthylene	ND		0.0665	0.00893	mg/Kg	- 16	07/18/15 14:52	07/20/15 17:09	1
Anthracene	ND		0.0665	0.00893	mg/Kg	-0	07/18/15 14:52	07/20/15 17:09	1
Benzo[a]anthracene	ND		0.0665	0.0149	mg/Kg	4	07/18/15 14:52	07/20/15 17:09	1
Benzo[a]pyrene	ND		0.0665	0.0119	mg/Kg		07/18/15 14:52	07/20/15 17:09	1
Benzo[b]fluoranthene	0.0581	J	0.0665	0.0119	mg/Kg	4	07/18/15 14:52	07/20/15 17:09	1
Benzo[g,h,i]perylene	0.0601	J	0.0665	0.00893	mg/Kg	4	07/18/15 14:52	07/20/15 17:09	1
Benzo[k]fluoranthene	0.0220	1	0.0665	0.0139	mg/Kg	4	07/18/15 14:52	07/20/15 17:09	1
1-Methylnaphthalene	ND		0.0665	0.0139	mg/Kg	4		07/20/15 17:09	1
Pyrene	ND		0.0665	0.0119	mg/Kg	19	07/18/15 14:52	07/20/15 17:09	1
Phenanthrene	ND		0.0665	0.00893	mg/Kg	19		07/20/15 17:09	1
Chrysene	ND		0.0665	0.00893	mg/Kg			07/20/15 17:09	1
Dibenz(a,h)anthracene	ND		0.0665	0.00695	mg/Kg	1	07/18/15 14:52	07/20/15 17:09	1
Fluoranthene	ND		0.0665	0.00893	mg/Kg	->		07/20/15 17:09	1
Fluorene	ND		0.0665	0.0119	mg/Kg	÷.,	07/18/15 14:52	07/20/15 17:09	1
Indeno[1,2,3-cd]pyrene	0.0538	J	0.0665	0.00992	mg/Kg	->	07/18/15 14:52	07/20/15 17:09	1
Naphthalene	ND		0.0665	0.00893	mg/Kg	**	07/18/15 14:52		1
2-Methylnaphthalene	ND		0.0665	0.0159	mg/Kg	\$	07/18/15 14:52	07/20/15 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	48		29 - 120				07/18/15 14:52	07/20/15 17:09	1
Terphenyl-d14 (Surr)	64		13-120				07/18/15 14:52	07/20/15 17:09	1
Nitrobenzene-d5 (Surr)	37		27 - 120				07/18/15 14:52	07/20/15 17:09	1

Lab Sample ID: 490-82596-3 Matrix: Solid Percent Solids: 90.4

Analyzed

Analyzed

Dil Fac

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Prepared

Prepared

07/09/15 10:45 07/21/15 20:04

07/09/15 10:45 07/21/15 20:04

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07/09/15 10:45 07/21/15 20:04

Client Sample ID: 114 Banyan Date Collected: 07/09/15 11:30 Date Received: 07/11/15 09:00

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10	0.10	%			07/14/15 16:20	1

Lab Sample ID: 490-82596-4 Matrix: Solid

Client Sample ID: 114 Banyan

Date Collected: 07/09/15 11:30 Date Received: 07/11/15 09:00

Nitrobenzene-d5 (Surr)

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

Welliou, ozoub - volatile U	riganic compo	unus (GU/	IVIS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00181	0.000605	mg/Kg	4	07/09/15 11:30	07/21/15 19:35	1
Ethylbenzene	0.00243		0.00181	0.000605	mg/Kg	0	07/09/15 11:30	07/21/15 19:35	1
Naphthalene	0.00743		0.00455	0.00155	mg/Kg	Ŷ	07/09/15 11:30	07/22/15 18:01	1
Toluene	0.00199		0.00181	0.000668	mg/Kg	Φ	07/09/15 11:30	07/21/15 19:35	1
Xylenes, Total	0.00271	J	0.00451	0.00111	mg/Kg	17	07/09/15 11:30	07/21/15 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 130				07/09/15 11:30	07/21/15 19:35	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 130				07/09/15 11:30	07/22/15 18:01	1
4-Bromofluorobenzene (Surr)	124		70 - 130				07/09/15 11:30	07/21/15 19:35	1
4-Bromofluorobenzene (Surr)	115		70 - 130				07/09/15 11:30	07/22/15 18:01	1
Dibromofluoromethane (Surr)	99		70 - 130				07/09/15 11:30	07/21/15 19:35	1
Dibromofluoromethane (Surr)	103		70-130				07/09/15 11:30	07/22/15 18:01	7
Toluene-d8 (Surr)	104		70 - 130				07/09/15 11:30	07/21/15 19:35	1
Toluene-d8 (Surr)	104		70 - 130				07/09/15 11:30	07/22/15 18:01	1
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0663	0.00990	mg/Kg	\$	07/18/15 14:52	07/20/15 17:36	1
Acenaphthylene	ND		0.0663	0.00891	mg/Kg	¢	07/18/15 14:52	07/20/15 17:36	1
Anthracene	ND		0.0663	0.00891	mg/Kg	<i>x</i>	07/18/15 14:52	07/20/15 17:36	1
Benzo[a]anthracene	0.0605	J	0.0663	0.0148	mg/Kg	\$	07/18/15 14:52	07/20/15 17:36	1
Benzo[a]pyrene	0.0562	J	0.0663	0.0119	mg/Kg	0	07/18/15 14:52	07/20/15 17:36	1
Benzo[b]fluoranthene	0.0990		0.0663	0.0119	mg/Kg	\$	07/18/15 14:52	07/20/15 17:36	1
Benzo[g,h,i]perylene	ND		0.0663	0.00891	mg/Kg	Ó	07/18/15 14:52	07/20/15 17:36	1
Benzo[k]fluoranthene	0.0308	J	0.0663	0.0139	mg/Kg	4	07/18/15 14:52	07/20/15 17:36	1
1-Methylnaphthalene	ND		0.0663	0.0139	mg/Kg	4	07/18/15 14:52	07/20/15 17:36	1
Pyrene	0.0489	J	0.0663	0.0119	mg/Kg	¢	07/18/15 14:52	07/20/15 17:36	1
Phenanthrene	ND		0.0663	0.00891	mg/Kg	\$	07/18/15 14:52	07/20/15 17:36	1
Chrysene	0.0810		0.0663	0.00891	mg/Kg	\$	07/18/15 14:52	07/20/15 17:36	1
Dibenz(a,h)anthracene	ND		0.0663	0.00693	mg/Kg	\$	07/18/15 14:52	07/20/15 17:36	1
Fluoranthene	0.0413	J	0.0663	0.00891	mg/Kg	4	07/18/15 14:52	07/20/15 17:36	1
Fluorene	ND		0.0663	0.0119	mg/Kg	4	07/18/15 14:52	07/20/15 17:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0663	0.00990	mg/Kg	\$	07/18/15 14:52	07/20/15 17:36	1
Naphthalene	ND		0.0663	0.00891	mg/Kg	2	07/18/15 14:52	07/20/15 17:36	1
2-Methylnaphthalene	ND		0.0663	0.0158	mg/Kg	¢	07/18/15 14:52	07/20/15 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	52		29 - 120				07/18/15 14:52	07/20/15 17:36	1
Terphenyl-d14 (Surr)	72		13 - 120				07/18/15 14:52	07/20/15 17:36	1
A1" 1 15 10 1			07 100						

07/18/15 14:52 07/20/15 17:36

1

27.120

44

TestAmerica Job ID: 490-82596-1

Lab Sample ID: 490-82596-4 Matrix: Solid Percent Solids: 81.2

Client Sample ID: 121 Banyan Date Collected: 07/09/15 12:00 Date Received: 07/11/15 09:00

Date Received. official official									
General Chemistry		0.115			11		Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	DIFAC
Percent Solids	85		0.10	0.10	%			07/14/15 16:20	1

TestAmerica Job ID: 490-82596-1

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Lab Sample ID: 490-82596-5 Matrix: Solid

Client Sample ID: 121 Banyan

Date Collected: 07/09/15 12:00 Date Received: 07/11/15 09:00

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

Analyte	9	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000810	J	0.00175	0.000587	mg/Kg	\$	07/09/15 12:00	07/21/15 19:06	1
Ethylbenzene	0.0125		0.00175	0.000587	mg/Kg	\$	07/09/15 12:00	07/21/15 19:06	1
Naphthalene	0.0985	В	0.00438	0.00149	mg/Kg	\$	07/09/15 12:00	07/21/15 19:06	1
Toluene	0.000683	J	0.00175	0.000648	mg/Kg	¢	07/09/15 12:00	07/21/15 19:06	1
Xylenes, Total	0.0326		0.00438	0.00108	mg/Kg	¢	07/09/15 12:00	07/21/15 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130				07/09/15 12:00	07/21/15 19:06	1
4-Bromofluorobenzene (Surr)	129		70 - 130				07/09/15 12:00	07/21/15 19:06	1
Dibromofluoromethane (Surr)	101		70 - 130				07/09/15 12:00	07/21/15 19:06	1
Toluene-d8 (Surr)	100		70 - 130				07/09/15 12:00	07/21/15 19:06	1
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0656	0.00979	mg/Kg	Ŷ	07/18/15 14:52	07/20/15 18:03	1
Acenaphthylene	ND		0.0656	0.00881	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Anthracene	0.0293	J	0.0656	0.00881	mg/Kg	¢	07/18/15 14:52	07/20/15 18:03	1
Benzo[a]anthracene	0.293		0.0656	0.0147	mg/Kg	4	07/18/15 14:52	07/20/15 18:03	1
Benzo[a]pyrene	0.163		0.0656	0.0118	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Benzo[b]fluoranthene	0.271		0.0656	0.0118	mg/Kg	4	07/18/15 14:52	07/20/15 18:03	1
Benzo[g,h,i]perylene	0.0740		0.0656	0.00881	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Benzo[k]fluoranthene	0.125		0.0656	0.0137	mg/Kg	4	07/18/15 14:52	07/20/15 18:03	1
1-Methylnaphthalene	ND		0.0656	0.0137	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Pyrene	0.356		0.0656	0.0118	mg/Kg	¢	07/18/15 14:52	07/20/15 18:03	1
Phenanthrene	0.0697		0.0656	0.00881	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Chrysene	0.340		0.0656	0.00881	mg/Kg	4	07/18/15 14:52	07/20/15 18:03	1
Dibenz(a,h)anthracene	ND		0.0656	0.00686	mg/Kg	t.	07/18/15 14:52	07/20/15 18:03	1
Fluoranthene	0.447		0.0656	0.00881	mg/Kg	¢	07/18/15 14:52	07/20/15 18:03	1
Fluorene	ND		0.0656	0.0118	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Indeno[1,2,3-cd]pyrene	0.0682		0.0656	0.00979	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Naphthalene	ND		0.0656	0.00881	mg/Kg	2	07/18/15 14:52	07/20/15 18:03	1
2-Methylnaphthalene	ND		0.0656	0.0157	mg/Kg	\$	07/18/15 14:52	07/20/15 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	54		29 - 120				07/18/15 14:52	07/20/15 18:03	1
Terphenyl-d14 (Surr)	72		13 - 120				07/18/15 14:52	07/20/15 18:03	1
Nitrobenzene-d5 (Surr)	51		27 - 120				07/18/15 14:52	07/20/15 18:03	1

Lab Sample ID: 490-82596-5 Matrix: Solid Percent Solids: 85.1

4.00

%Rec.

Limits

75-127

80 - 134 69 - 150

80 - 132

80 - 137

D %Rec

110

111

112 102

110

Client Sample ID: Lab Control Sample Dup

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

Lab Sample ID: MB 490-266566/8 N A

Lab Sample ID: MB 490-266 Matrix: Solid Analysis Batch: 266566	566/8						Client Sam	ple ID: Method Prep Type: To		
	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND	Contraction of	0.00200	0.000670	mg/Kg			07/21/15 13:05	1	
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			07/21/15 13:05	1	
Naphthalene	0.003108	J	0.00500	0.00170	mg/Kg			07/21/15 13:05	1	7
Toluene	ND		0.00200	0.000740	mg/Kg			07/21/15 13:05	1	
Xylenes, Total	ND		0.00500	0.00123	mg/Kg			07/21/15 13:05	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	91		70 - 130					07/21/15 13:05	1	
4-Bromofluorobenzene (Surr)	100		70 - 130					07/21/15 13:05	1	
Dibromofluoromethane (Surr)	101		70 - 130					07/21/15 13:05	1	
Toluene-d8 (Surr)	100		70 - 130					07/21/15 13:05	1	
Lab Sample ID: LCS 490-260	6566/4					Client	Sample ID	: Lab Control S	Sample	
Matrix: Solid								Prep Type: To		
Analysis Batch: 266566										

			Spike	LCS	LCS	
Analyte			Added	Result	Qualifier	Unit
Benzene			0.0500	0.05481		mg/Kg
Ethylbenzene			0.0500	0.05546		mg/Kg
Naphthalene			0.0500	0.05610		mg/Kg
Toluene			0.0500	0.05083		mg/Kg
Xylenes, Total			0.100	0.1098		mg/Kg
	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1,2-Dichloroethane-d4 (Surr)	96		70 - 130			
4-Bromofluorobenzene (Surr)	101		70 - 130			
Dibromofluoromethane (Surr)	99		70-130			

101

Lab Sample ID: LCSD 490-266566/5 Matrix: Solid

Analysis Batch: 266566

Toluene-d8 (Surr)

Andry 313 Daton. 200000											
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.0500	0.05625		mg/Kg		113	75 - 127	3	50
Ethylbenzene			0.0500	0.05809		mg/Kg		116	80 - 134	5	50
Naphthalene			0.0500	0.06293		mg/Kg		126	69 - 150	11	50
Toluene			0.0500	0.05245		mg/Kg		105	80 - 132	3	50
Xylenes, Total			0.100	0.1146		mg/Kg		115	80 - 137	4	50
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	96		70-130								
4-Bromofluorobenzene (Surr)	102		70 - 130								
Dibromofluoromethane (Surr)	100		70 - 130								
Toluene-d8 (Surr)	101		70 - 130								

70-130

TestAmerica Nashville

Prep Type: Total/NA

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

Lab Sample ID: MB 490-267093/7 Matrix: Solid Analysis Batch: 267093

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			07/22/15 17:06	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			07/22/15 17:06	1
Toluene	ND		0.00200	0.000740	mg/Kg			07/22/15 17:06	1
Xylenes, Total	ND		0.00500	0.00123	mg/Kg			07/22/15 17:06	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 130					07/22/15 17:06	1
4-Bromofluorobenzene (Surr)	100		70 - 130					07/22/15 17:06	1
Dibromofluoromethane (Surr)	100		70 - 130					07/22/15 17:06	1
Toluene-d8 (Surr)	103		70 - 130					07/22/15 17:06	1

LCS LCS

0.06067

0.05906

0.06138

0.05664

0.1203

Result Qualifier Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Lab Sample ID: LCS 490-267093/3

Matrix: Solid Analysis Batch: 267093

		Spike
Analyte		Added
Benzene		0.0500
Ethylbenzene		0.0500
Naphthalene		0.0500
Toluene		0.0500
Xylenes, Total		0.100
	LCS LCS	

	200	200	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 490-267093/4 Matrix: Solid

Analysis Batch: 267093

Analysis Daton, 201095											
a sector a sector de la construction de la construc			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.0500	0.05834		mg/Kg		117	75 - 127	4	50
Ethylbenzene			0.0500	0.05651		mg/Kg		113	80 - 134	4	50
Naphthalene			0.0500	0.05235		mg/Kg		105	69 - 150	16	50
Toluene			0.0500	0.05472		mg/Kg		109	80 - 132	3	50
Xylenes, Total			0.100	0.1149		mg/Kg		115	80 - 137	5	50
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	91		70 - 130								
4-Bromofluorobenzene (Surr)	98		70-130								
Dibromofluoromethane (Surr)	105		70 - 130								
Toluene-d8 (Surr)	102		70 - 130								

80-134 69 - 150 123 80 - 132 113 80 - 137

%Rec.

Limits

75-127

Client Sample ID: Lab Control Sample

D %Rec

121

118

120

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

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

Lab Sample ID: MB 490-266092/1-A Matrix: Solid

Analysis Batch: 266292

Client	Sample ID: Method Blank
	Prep Type: Total/NA
	Prep Batch: 266092

Analysis Batch: 200292	540							rich baten.	200032	
	MB	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Analyte		Quaimer	and the second	1275 22		U	07/18/15 14:52	07/20/15 13:09	Dirac	
Acenaphthene	ND		0.0670	0.0100	mg/Kg				1	_
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	7
Anthracene	ND		0.0670	0.00900	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	. A.
Benzo[a]anthracene	ND		0.0670	0.0150	0 0		07/18/15 14:52	07/20/15 13:09	1	
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Benzo[k]fluoranthene	ND	e	0.0670	0.0140	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Pyrene	ND		0.0670	0.0120	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Phenanthrene	ND		0.0670	0.00900	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Chrysene	ND		0.0670	0.00900	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Fluoranthene	ND		0.0670	0.00900	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Fluorene	ND		0.0670	0.0120	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
Naphthalene	ND		0.0670	0.00900	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		07/18/15 14:52	07/20/15 13:09	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl (Surr)	70		29 - 120				07/18/15 14:52	07/20/15 13:09	1	
Terphenyl-d14 (Surr)	85		13 - 120				07/18/15 14:52	07/20/15 13:09	1	
Nitrobenzene-d5 (Surr)	69		27 - 120				07/18/15 14:52	07/20/15 13:09	1	

Lab Sample ID: LCS 490-266092/2-A Matrix: Solid

Analysis Batch: 266292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 266092

Analysis Daton: 200202	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthylene	1.67	1.200		mg/Kg		72	38 - 120
Anthracene	1.67	1.348		mg/Kg		81	46 - 124
Benzo[a]anthracene	1.67	1.399		mg/Kg		84	45 - 120
Benzo[a]pyrene	1.67	1.415		mg/Kg		85	45 - 120
Benzo[b]fluoranthene	1.67	1.427		mg/Kg		86	42 - 120
Benzo[g,h,i]perylene	1.67	1.433		mg/Kg		86	38 - 120
Benzo[k]fluoranthene	1.67	1.488		mg/Kg		89	42 - 120
1-Methylnaphthalene	1.67	1.337		mg/Kg		80	32 - 120
Pyrene	1.67	1.332		mg/Kg		80	43 - 120
Phenanthrene	1.67	1.326		mg/Kg		80	45 - 120
Chrysene	1.67	1.394		mg/Kg		84	43 - 120
Dibenz(a,h)anthracene	1.67	1.480		mg/Kg		89	32 - 128
Fluoranthene	1.67	1.417		mg/Kg		85	46 - 120
Fluorene	1.67	1.405		mg/Kg		84	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.423		mg/Kg		85	41 - 121
Naphthalene	1.67	1.263		mg/Kg		76	32 - 120
2-Methylnaphthalene	1.67	1.240		mg/Kg		74	28 - 120

7

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

Lab Sample ID: LCS 49	0-266092/2-A					Clier	nt Sai	mple ID	: Lab Cor	trol Sa	mple
Matrix: Solid									Prep Ty	pe: Tot	al/NA
Analysis Batch: 266292	2								Prep Ba	atch: 26	6092
	105	LCS									
Surrogate	%Recovery		Limits								
2-Fluorobiphenyl (Surr)	73		29 - 120								
Terphenyl-d14 (Surr)	88		13-120								
Nitrobenzene-d5 (Surr)	79		27 - 120								
Lab Sample ID: LCSD 4	490-266092/3-A				(Client Sa	mple	ID: Lat	Control	Sample	Dup
Matrix: Solid									Prep Ty		
Analysis Batch: 266292	2								Prep Ba		
THIS COLUMNIA STREET			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthylene			1.67	1.210		mg/Kg		73	38 - 120	1	5Ō
Anthracene			1.67	1.467		mg/Kg		88	46 - 124	8	49
Benzo[a]anthracene			1.67	1.509		mg/Kg		91	45 - 120	8	50
Benzo[a]pyrene			1.67	1.510		mg/Kg		91	45 - 120	6	50
Benzo[b]fluoranthene			1.67	1.571		mg/Kg		94	42 - 120	10	50
Benzo[g,h,i]perylene			1.67	1.526		mg/Kg		92	38 - 120	6	50
Benzo[k]fluoranthene			1.67	1.565		mg/Kg		94	42 - 120	5	45
1-Methylnaphthalene			1.67	1.335		mg/Kg		80	32 - 120	0	50
Pyrene			1.67	1.416		mg/Kg		85	43 - 120	6	50
Phenanthrene			1.67	1.426		mg/Kg		86	45 - 120	7	50
Chrysene			1.67	1.488		mg/Kg		89	43 - 120	7	49
Dibenz(a,h)anthracene			1.67	1.582		mg/Kg		95	32 - 128	7	50
Fluoranthene			1.67	1.556		mg/Kg		93	46 - 120	9	50
Fluorene			1.67	1.450		mg/Kg		87	42 - 120	3	50
Indeno[1,2,3-cd]pyrene			1.67	1.514		mg/Kg		91	41 - 121	6	50
Naphthalene			1.67	1.241		mg/Kg		74	32 - 120	2	50
2-Methylnaphthalene			1.67	1.253		mg/Kg		75	28 - 120	1	50
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
2-Fluorobiphenyl (Surr)	71		29 - 120								
Terphenyl-d14 (Surr)	92		13-120								
A TANK A STATE OF A SAME IN THE											

Method: Moisture - Percent Moisture

Nitrobenzene-d5 (Surr)

75

Lab Sample ID: 490-82 Matrix: Solid						Cli	ent Sample ID: Dup Prep Type: Tot	
Analysis Batch: 26471		Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Solids	81		80		%		2	20

27 - 120

QC Association Summary

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

8

GC/MS VOA

Prep Batch: 265028

Client Sample ID	Prep Type	NR-L-t-	a second to say	
		Matrix	Method	Prep Batch
1139 Iris	Total/NA	Solid	5035	
724 Bluebell	Total/NA	Solid	5035	
724 Bluebell	Total/NA	Solid	5035	
114 Banyan				
121 Banyan	Total/NA	Solid	5035	
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1139 Iris	Total/NA	Solid	8260B	265028
724 Bluebell	Total/NA	Solid	8260B	265028
611 Dahlia	Total/NA	Solid	8260B	265028
114 Banyan	Total/NA	Solid	8260B	265028
121 Banyan	Total/NA	Solid	8260B	265028
Lab Control Sample	Total/NA	Solid	8260B	
Lab Control Sample Dup	Total/NA	Solid	8260B	
Method Blank	Total/NA	Solid	8260B	
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	Total/NA	Solid	8260B	265028
	Total/NA	Solid	8260B	265028
	Total/NA	Solid	8260B	
	Total/NA	Solid	8260B	
Method Blank	Total/NA	Solid	8260B	
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1139 Iris	Total/NA	Solid	3550C	
724 Bluebell	Total/NA	Solid	3550C	
611 Dahlia	Total/NA	Solid	3550C	
114 Banyan	Total/NA	Solid	3550C	
	Total/NA	Solid	3550C	
Method Blank	Total/NA	Solid	3550C	
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
1139 Iris	Total/NA	Solid	8270D	266092
724 Bluebell	Total/NA	Solid	8270D	266092
611 Dahlia	Total/NA	Solid	8270D	266092
CONC. ON ANY ADDRESS OF A DRESS O				
114 Banvan	Total/NA	Solid	8270D	266092
114 Banyan 121 Banyan	Total/NA Total/NA	Solid Solid	8270D 8270D	266092 266092
121 Banyan	Total/NA	Solid	8270D	266092
	611 Dahlia 114 Banyan 114 Banyan 121 Banyan Client Sample ID 1139 Iris 724 Bluebell 611 Dahlia 114 Banyan 121 Banyan Lab Control Sample Dup Method Blank Client Sample ID 724 Bluebell 114 Banyan Lab Control Sample Lab Control Sample Dup Method Blank Client Sample ID 1139 Iris 724 Bluebell 611 Dahlia 114 Banyan 121 Banyan Lab Control Sample Dup Method Blank Client Sample ID 1139 Iris 724 Bluebell 611 Dahlia 114 Banyan 121 Banyan Lab Control Sample Dup Method Blank Client Sample ID	611 DahliaTotal/NA114 BanyanTotal/NA114 BanyanTotal/NA121 BanyanTotal/NA121 BanyanTotal/NA121 BanyanTotal/NA121 BanyanTotal/NA121 BanyanTotal/NA124 BluebellTotal/NA611 DahliaTotal/NA611 DahliaTotal/NA611 DahliaTotal/NA114 BanyanTotal/NA121 BanyanTotal/NA124 BanyanTotal/NA124 BanyanTotal/NA126 Control Sample DupTotal/NAMethod BlankTotal/NA114 BanyanTotal/NA124 BluebellTotal/NA124 BluebellTotal/NA124 BluebellTotal/NA124 BluebellTotal/NA124 BluebellTotal/NA124 BanyanTotal/NA124 BluebellTotal/NA124 BluebellTotal/NA124 BluebellTotal/NA139 IrisTotal/NA139 IrisTotal/NA1139 IrisTotal/NA1139 IrisTotal/NA1139 IrisTotal/NA1139 IrisTotal/NA114 BanyanTotal/NA124 BanyanTotal/N	611 Dahila Total/NA Solid 114 Banyan Total/NA Solid 121 Banyan Total/NA Solid 121 Banyan Total/NA Solid 121 Banyan Total/NA Solid 121 Banyan Total/NA Solid 139 Iris Total/NA Solid 724 Bluebell Total/NA Solid 611 Dahila Total/NA Solid 121 Banyan Total/NA Solid 124 Buebell Total/NA Solid 121 Banyan Total/NA Solid 124 Banyan Total/NA Solid 125 Bonyan Total/NA Solid Lab Control Sample Total/NA Solid Lab Control Sample Dup Total/NA Solid Method Blank Total/NA Solid Lab Control Sample Dup Total/NA	B11 Dahlia Total/NA Solid 5035 114 Banyan Total/NA Solid 5035 121 Banyan Total/NA Solid 5035 121 Banyan Total/NA Solid 5035 121 Banyan Total/NA Solid 5035 Client Sample ID Prep Type Matrix Method 1139 Iris Total/NA Solid 8260B 724 Bluebell Total/NA Solid 8260B 611 Dahlia Total/NA Solid 8260B 121 Banyan Total/NA Solid 8260B 121 Banyan Total/NA Solid 8260B 121 Banyan Total/NA Solid 8260B Lab Control Sample Total/NA Solid 8260B Lab Control Sample Dup Total/NA Solid 8260B Client Sample ID Prep Type Matrix Method 724 Bluebell Total/NA Solid 8260B Lab Control Sample Dup Total/NA Solid 8260B Lab Control Sample Dup Total/NA Solid <

QC Association Summary

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

General Chemistry

Analysis Batch: 264718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-82587-E-1 DU	Duplicate	Total/NA	Solid	Moisture	-0.0
490-82596-1	1139 Iris	Total/NA	Solid	Moisture	
490-82596-2	724 Bluebell	Total/NA	Solid	Moisture	
490-82596-3	611 Dahlia	Total/NA	Solid	Moisture	
490-82596-4	114 Banyan	Total/NA	Solid	Moisture	
490-82596-5	121 Banyan	Total/NA	Solid	Moisture	

8

TestAmerica Nashville

Page 21 of 28

Client Sample ID: 1139 Iris

Date Collected: 07/07/15 14:00 Date Received: 07/11/15 09:00

Prep Type Total/NA	Batch Type Analysis	Batch Method Moisture	Run	Dil Factor 1	Initial Amount	Final Amount	Batch Number 264718	Prepared or Analyzed 07/14/15 16:20	Analyst MAA	Lab TAL NSH
TOTAINIA	Analysis	Wolstare								
Client Samp	le ID: 113	9 Iris						Lab Sample	ID: 490	-82596-1
Date Collected	1: 07/07/15	14:00							Ma	atrix: Solid
Date Received	1: 07/11/15 0	00:00						P	ercent S	olids: 81.7
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.111 g	5.0 mL	265028	07/07/15 14:00	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.111 g	5.0 mL	266566	07/21/15 21:04	JPV	TAL NSH
Total/NA	Prep	3550C			36.83 g	1 mL	266092	07/18/15 14:52	LDC	TAL NSH
Total/NA	Analysis	8270D		1	36.83 g	1 mL	266292	07/20/15 16:16	SNR	TAL NSH
Client Samp	le ID: 724	Bluebell						Lab Sample	ID: 490	-82596-2

Matrix: Solid

Matrix: Solid

Matrix: Solid

Percent Solids: 87.0

Lab Sample ID: 490-82596-2

Lab Sample ID: 490-82596-3

Date Collected: 07/09/15 10:15 Date Received: 07/11/15 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			264718	07/14/15 16:20	MAA	TAL NSH

Client Sample ID: 724 Bluebell

Date Collected: 07/09/15 10:15 Date Received: 07/11/15 09:00

Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	5035			5.494 g	5.0 mL	265028	07/09/15 10:15	JLP	TAL NSH
Analysis	8260B		1	5.494 g	5.0 mL	266566	07/21/15 20:35	JPV	TAL NSH
Prep	5035			5.53 g	5.0 mL	265028	07/09/15 10:15	JLP	TAL NSH
Analysis	8260B		1	5.53 g	5.0 mL	267093	07/22/15 18:28	NC	TAL NSH
Prep	3550C			34.84 g	1 mL	266092	07/18/15 14:52	LDC	TAL NSH
Analysis	8270D		1	34.84 g	1 mL	266292	07/20/15 16:43	SNR	TAL NSH
	Type Prep Analysis Prep Analysis Prep	TypeMethodPrep5035Analysis8260BPrep5035Analysis8260BPrep3550C	TypeMethodRunPrep5035Analysis8260BPrep5035Analysis8260BPrep3550C	TypeMethodRunFactorPrep50351Analysis8260B1Prep50351Analysis8260B1Prep3550C	Type Method Run Factor Amount Prep 5035 5.494 g 5.494 g Analysis 8260B 1 5.494 g Prep 5035 5.53 g Analysis 8260B 1 5.53 g Prep 5035 5.53 g Prep 3550C 34.84 g	Type Method Run Factor Amount Amount Prep 5035 5.494 g 5.0 mL Analysis 8260B 1 5.494 g 5.0 mL Prep 5035 5.53 g 5.0 mL Analysis 8260B 1 5.53 g 5.0 mL Analysis 8260B 1 5.53 g 5.0 mL Prep 5035 5.53 g 5.0 mL Prep 3550C 34.84 g 1 mL	Type Method Run Factor Amount Amount Number Prep 5035 5.494 g 5.0 mL 265028 Analysis 8260B 1 5.494 g 5.0 mL 265028 Prep 5035 5.53 g 5.0 mL 265028 Analysis 8260B 1 5.53 g 5.0 mL 265028 Analysis 8260B 1 5.53 g 5.0 mL 265028 Analysis 8260B 1 5.53 g 5.0 mL 265028 Prep 3550C 34.84 g 1 mL 266092	TypeMethodRunFactorAmountAmountNumberor AnalyzedPrep50355.494 g5.0 mL26502807/09/15 10:15Analysis8260B15.494 g5.0 mL26656607/21/15 20:35Prep50355.53 g5.0 mL26502807/09/15 10:15Analysis8260B15.53 g5.0 mL26502807/09/15 10:15Analysis8260B15.53 g5.0 mL26502807/22/15 18:28Prep3550C34.84 g1 mL26609207/18/15 14:52	Type Method Run Factor Amount Amount Number or Analyzed Analyst Prep 5035 5.494 g 5.0 mL 265028 07/09/15 10:15 JLP Analysis 8260B 1 5.494 g 5.0 mL 265028 07/09/15 10:15 JLP Prep 5035 5.53 g 5.0 mL 265028 07/09/15 10:15 JLP Prep 5035 5.53 g 5.0 mL 265028 07/09/15 10:15 JLP Analysis 8260B 1 5.53 g 5.0 mL 265028 07/09/15 10:15 JLP Analysis 8260B 1 5.53 g 5.0 mL 267093 07/22/15 18:28 NC Prep 3550C 34.84 g 1 mL 266092 07/18/15 14:52 LDC

Client Sample ID: 611 Dahlia

Date Collected: 07/09/15 10:45 Date Received: 07/11/15 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			264718	07/14/15 16:20	MAA	TAL NSH

Lab Sample ID: 490-82596-1 Matrix: Solid

TestAmerica Nashville

				Lab	Chronic	le				
Client: Small Bi Project/Site: La								TestAmerica .	lob ID: 49	90-82596-1
Client Samp	le ID: 611	Dahlia						Lab Sample	ID: 490	-82596-3
Date Collected	1: 07/09/15	10:45							Ma	atrix: Solid
Date Received	: 07/11/15 (00:00						P	ercent S	olids: 90.4
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.654 g	5.0 mL	265028	07/09/15 10:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.654 g	5.0 mL	266566	07/21/15 20:04	JPV	TAL NSH
Total/NA	Prep	3550C			33.43 g	1 mL	266092	07/18/15 14:52	LDC	TAL NSH
Total/NA	Analysis	8270D		1	33.43 g	1 mL	266292	07/20/15 17:09	SNR	TAL NSH

Client Sample ID: 114 Banyan

Date Collected: 07/09/15 11:30 Date Received: 07/11/15 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			264718	07/14/15 16:20	MAA	TAL NSH

Client Sample ID: 114 Banyan Date Collected: 07/09/15 11:30 Date Received: 07/11/15 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.821 g	5.0 mL	265028	07/09/15 11:30	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.821 g	5.0 mL	266566	07/21/15 19:35	JPV	TAL NSH
Total/NA	Prep	5035			6.768 g	5.0 mL	265028	07/09/15 11:30	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.768 g	5.0 mL	267093	07/22/15 18:01	NC	TAL NSH
Total/NA	Prep	3550C			37.33 g	1 mL	266092	07/18/15 14:52	LDC	TAL NSH
Total/NA	Analysis	8270D		1	37.33 g	1 mL	266292	07/20/15 17:36	SNR	TAL NSH

Client Sample ID: 121 Banyan

Date Collected: 07/09/15 12:00 Date Received: 07/11/15 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			264718	07/14/15 16:20	MAA	TAL NSH

Client Sample ID: 121 Banyan Date Collected: 07/09/15 12:00 Date Received: 07/11/15 09:00

Lab Sample ID: 490-82596-5

Lab Sample ID: 490-82596-5

Matrix: Solid

Matrix: Solid

Lab Sample ID: 490-82596-4

Lab Sample ID: 490-82596-4

Matrix: Solid

Matrix: Solid

Percent Solids: 81.2

9

Percent Solids: 85.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.712 g	5.0 mL	265028	07/09/15 12:00	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.712 g	5.0 mL	266566	07/21/15 19:06	JPV	TAL NSH
Total/NA	Prep	3550C			36.01 g	1 mL	266092	07/18/15 14:52	LDC	TAL NSH
Total/NA	Analysis	8270D		1	36.01 g	1 mL	266292	07/20/15 18:03	SNR	TAL NSH

Laboratory References:

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

Method Summary

TestAmerica Job ID: 490-82596-1

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

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

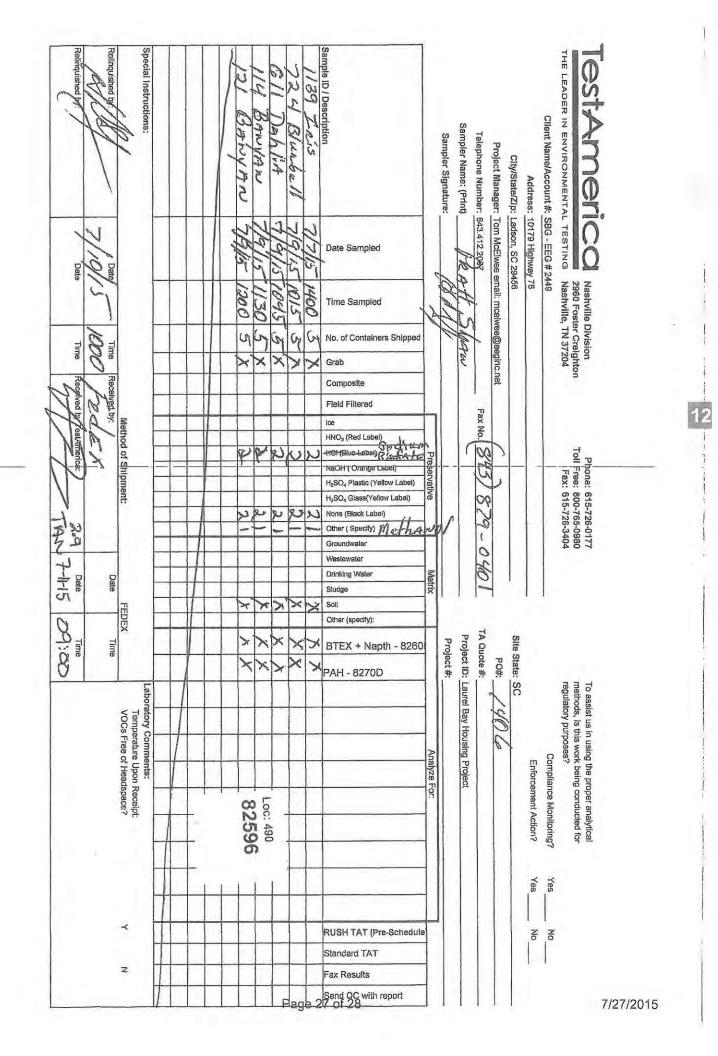
Laboratory: TestAmerica Nashville

Unicate otherwise holed, all analytes for this tabloratory livere optiered under each certification below

Authority	Program		EPA Region	Certification ID	Expiration Date
North Carolina (WW/SW)	State Pro	gram	4	387	12-31-15
The following analytes a	are included in this repo	rt, but certification is	s not offered by the g	overning authority:	
Analysis Method	Prep Method	Matrix	Analyt	e	
Moisture		Solid	Perce	nt Solids	
South Carolina	State Pro	gram	4	84009 (001)	02-28-16
The following analytes a	are included in this repo	rt, but certification is	s not offered by the g	overning authority:	
Analysis Method	Prep Method	Matrix	Analy	e	
8270D	3550C	Solid	1-Met	hylnaphthalene	
Moisture		Solid	Perce	nt Solids	

TestAmerica Job ID: 490-82596-1

THE LEADER IN ENVIRONMENTAL TESTING Nashville, TN COOLER RECEIPT FORM	
Cooler Received/Opened On 7/11/2015 @ 900 490-820	596 Chain of Custody
1. Tracking #	
Courier: Fed-ex IR Gun ID 17960358	
2. Temperature of rep. sample or temp blank when opened: <u>R. F.</u> 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?	VES NO NA
If yes, how many and where:	
5. Were the seals intact, signed, and dated correctly?	E.NO.NA
6. Were custody papers inside cooler?	TESNONA
certify that I opened the cooler and answered questions 1-6 (initial)	<u> </u>
7. Were custody seals on containers: YES III and Intact	YESNO
Were these signed and dated correctly?	YESNO.
3. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Pape	r Other None
). Cooling process: Ice-pack Ice (direct contact) Dry ice	Other None
0. Did all containers arrive in good condition (unbroken)?	CESNONA
1. Were all container labels complete (#, date, signed, pres., etc)?	ES.NONA
2. Did all container labels and tags agree with custody papers?	ESNONA
3a. Were VOA vials received?	ESNONA
Ba. Were VOA vials received?b. Was there any observable headspace present in any VOA vial?	YESNONA
b. Was there any observable headspace present in any VOA vial?	YES. NO.NA
b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. (NA) If multiple coolers, sequen	YES. NONA
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. (NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 	YES 10NA ce #
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. (NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 	YES 10NA ce #
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO(NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 5a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? b. Did the bottle labels indicate that the correct preservatives were used 	YESNONA CC #A Y YESNO.(NA)
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. (NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 5a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? b. Did the bottle labels indicate that the correct preservatives were used 6. Was residual chlorine present? 	YESNONA WESNO(NA) WESNO(NA
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. (NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 5a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? b. Did the bottle labels indicate that the correct preservatives were used 6. Was residual chlorine present? certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) 	YESNONA YESNO(NA) YESNO(NA
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. (NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 5a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? b. Did the bottle labels indicate that the correct preservatives were used 6. Was residual chlorine present? certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) 7. Were custody papers properly filled out (link, signed, etc)? 	YESNONA YESNONA YESNONA
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO(NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 5a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? 	YESNONA YESNONA YESNONA YESNONA YESNONA
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. (NA) If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 5a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? b. Did the bottle labels indicate that the correct preservatives were used 6. Was residual chlorine present? certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) 7. Were custody papers properly filled out (ink, signed, etc)? 8. Did you sign the custody papers in the appropriate place? 	YESNONA YESNONA YESNONA YESNONA YESNONA
 b. Was there any observable headspace present in any VOA vial? 4. Was there a Trip Blank in this cooler? YESNO. A If multiple coolers, sequencertify that I unloaded the cooler and answered questions 7-14 (initial) 5a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? b. Did the bottle labels indicate that the correct preservatives were used 6. Was residual chlorine present? certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) 7. Were custody papers properly filled out (ink, signed, etc)? 8. Did you sign the custody papers in the appropriate place? 9. Were correct containers used for the analysis requested? 	YESNONA YESNONA YESNONA YESNONA YESNONA YESNONA YESNONA



Client: Small Business Group Inc.

Job Number: 490-82596-1 SDG Number:

13

List Source: TestAmerica Nashville

Login Number: 82596 List Number: 1 Creator: Ford, Easton

Creator: Ford, Easton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured meter.</td <td>by a survey True</td> <td></td>	by a survey True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised tampered with.	d or True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and	d 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 reque MS/MSDs	sted True	
Containers requiring zero headspace have no headspace or but <6mm (1/4").	ble is True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT A

NON-HAZARDOUS MANIFEST	erator's US EP/	or's US EPA ID No. Manifest Doc No.		2. Page 1 0					
3. Generator's Mailing Address: MCAS BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29904	Gen	Generator's Site Address (If different than mailing):			A. Manifest Number WMNA 015 B. State Generate		122 ID		
4. Generator's Phone 843-879-041	1	1							
5. Transporter 1 Company Name		6. US EPA ID Number			C. State Transporter's ID				
					D. Transporter's Phone				
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		10. US EPA ID Number			F. transporter's Phone				-
HICKORY HILL LANDFILL 2621 LOW COUNTRY DRIVE		12			G. State Facility ID				
		1				H. State Facility Phone 843-987-464			3
RIDGELAND, SC 29936									
11. Description of Waste Materials		1		intainers	13. Total Quantity	14. Unit	L. Mi	sc. Commen	ts
a. HEATING OIL TANK FILLED WITH SAND		No.	Туре	Quantity	Wt./Vol.	1.0.0			
			1	1	1 11	19.	14.1	111	
WM Profile # 1	02655SC								
b.									
Contraction of the second s									
WM Profile #			-						
c.					0.1.1.				
WM Profile #									
d.				-	-				
									_
WM Profile # J. Additional Descriptions for Materials Liste	d Above		K Dispa	sal Location					-
 Additional Descriptions for Materials Liste 	O ADOVE		K. Dispo	Sai Locatioi	1				
			Cell				Level		
15. Special Handling Instructions and Addition			Grįd	5011	ANDIA	11	1.20.0.00	17.50	
DIZI BANNAN	2 724	Bluckel 39 Inc. 5 EMERGENCY C	51	020	125/0	- P	21065	(cda v	ar o
Purchase Order #									
							w, have beer	n fully and	ł
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate			ortation accu	ording to ap	oplicable regu	lations,	Month	Day	Ye
 GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a 	and are in prop						-		1
Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name	and are in prop	Signature "On beh					1		
 GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged Printed Name Transporter 1 Acknowledgement of Receip 		Signature "On beh			-		1 3 1		
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name		Signature "On beh					Month	Day	Ye
 GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name Transporter 1 Acknowledgement of Receip Printed Name 	pt of Materials	Signature "On beh					Month	Day	Ye
 GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name Transporter 1 Acknowledgement of Receip Printed Name 	pt of Materials	Signature "On beh					Month	Day	
 GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name Transporter 1 Acknowledgement of Receip Printed Name Transporter 2 Acknowledgement of Receip 	pt of Materials	Signature "On beh							
 GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name Transporter 1 Acknowledgement of Receip Printed Name Transporter 2 Acknowledgement of Receip Printed Name 	pt of Materials	Signature "On beh							
 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name 17. Transporter 1 Acknowledgement of Receip Printed Name 18. Transporter 2 Acknowledgement of Receip Printed Name 19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment 	pt of Materials pt of Materials nt facility, that	Signature "On beh Signature Signature to the best of my know	alf of"	bove-descr	ibed waste w	vas managed	Month	Day	Ye
 GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name Transporter 1 Acknowledgement of Receip Printed Name Transporter 2 Acknowledgement of Receip 	pt of Materials pt of Materials nt facility, that ses on the dat	Signature "On beh Signature Signature Signature to the best of my know es listed above.	alf of"			vas managed	Month	Day	Ye
 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described mate accurately described, classified and packaged a Printed Name 17. Transporter 1 Acknowledgement of Receip Printed Name 18. Transporter 2 Acknowledgement of Receip Printed Name 19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatme applicable laws, regulations, permits and licen 	pt of Materials pt of Materials nt facility, that ses on the dat	Signature "On beh Signature Signature Signature to the best of my know es listed above.	alf of"			vas managed	Month	Day	Ye

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 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 petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

XIRS

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	