SUMMARY REPORT 213 ELDERBERRY DRIVE (FORMERLY 420 ELDERBERRY 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

JUNE 2021

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Prepared by:



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

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



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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 213 Elderberry Drive (Formerly 420 Elderberry 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 OAPP (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 213 Elderberry Drive (Formerly 420 Elderberry Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 420 Elderberry Drive* (MCAS Beaufort, 2015). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On January 19, 2015, a single 280 gallon heating oil UST was removed from the rear patio area at 213 Elderberry Drive (Formerly 420 Elderberry 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



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 213 Elderberry Drive (Formerly 420 Elderberry 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 213 Elderberry Drive (Formerly 420 Elderberry Drive). This NFA determination was obtained in a letter dated July 1, 2015. 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 420 Elderberry Drive, Laurel Bay Military Housing Area*, March 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 - Soil213 Elderberry Drive (Formerly 420 Elderberry Drive)Laurel Bay Military Housing AreaMarine Corps Air Station BeaufortBeaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 01/19/15			
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)					
Benzene	0.003	ND			
Ethylbenzene	1.15	ND			
Naphthalene	0.036	ND			
Toluene	0.627	ND			
Xylenes, Total	13.01	ND			
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)					
Benzo(a)anthracene	0.66	ND			
Benzo(b)fluoranthene	0.66	ND			
Benzo(k)fluoranthene	0.66	ND			
Chrysene	0.66	ND			
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



SC DHEC - Bureau of Land & Waste Management Submit Completed Form To: UST Program SCDHEC 2600 Bull Street Columbia, South Carolina 29201 Telephone (803) 896-7957

I. OWNERSHIP OF UST (S)

	manding Officer Attn: NR	REAO (Craig Ehde)						
Owner Name (Corporation, Individual, Public Agency, Other)								
P.O. Box 55001								
Mailing Address								
Beaufort,	South Carolina	29904-5001						
City	State	Zip Code						
843	228-7317	Craig Ehde						
Area Code	Telephone Number	Contact Person						

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. # Laurel Bay Milita	
Facility Name or Company	Site Identifier
420 Elderberry D. Street Address or State Ro	rive, Laurel Bay Military Housing Area ad (as applicable)
Beaufort,	Beaufort
City	County

Attachment 2

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. <u>This section must be completed.</u>

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

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

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

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this ______ day of _____, 20____

(Name)

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

VI. **UST INFORMATION**

		Elderberry
A.	Product(ex. Gas, Kerosene)	Heating oil
B.	Capacity(ex. 1k, 2k)	280 gal
C.	Age	Late 1950s
D.	Construction Material(ex. Steel, FRP)	Steel
Е·	Month/Year of Last Use	Mid 1980s
	Depth (ft.) To Base of Tank	6 '
G.	Spill Prevention Equipment Y/N	No
H·	Overfill Prevention Equipment Y/N	No
I.	Method of Closure Removed/Filled	Removed
-	Date Tanks Removed/Filled	1/19/2015
K.	Visible Corrosion or Pitting Y/N	Yes
L.	Visible Holes Y/N	Yes

Method of disposal for any USTs removed from the ground (attach disposal manifests) M. UST 420Elderberry was removed from the ground and disposed at a Subtitle D landfill. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests) UST 420Elderberry was previously filled with sand by others.

О. 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

		420 Elderberry
		Steel
A.	Construction Material(ex. Steel, FRP)	& Copper
В.	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
T	If any corrosion nitting or holes were observed de	scribe the location and extent for each nining run

I. 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. 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.

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

IX. SITE CONDITIONS

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

В.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
420 Elderb'y	Excav at fill end	Soil	Sandy	6'	1/19/15 1245 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect <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.

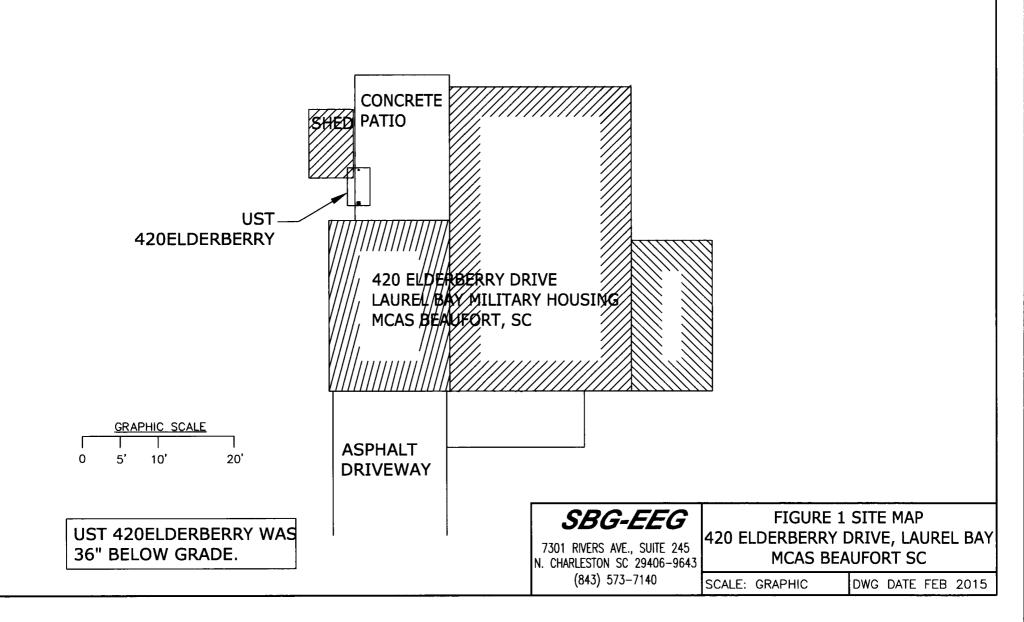
XII. RECEPTORS

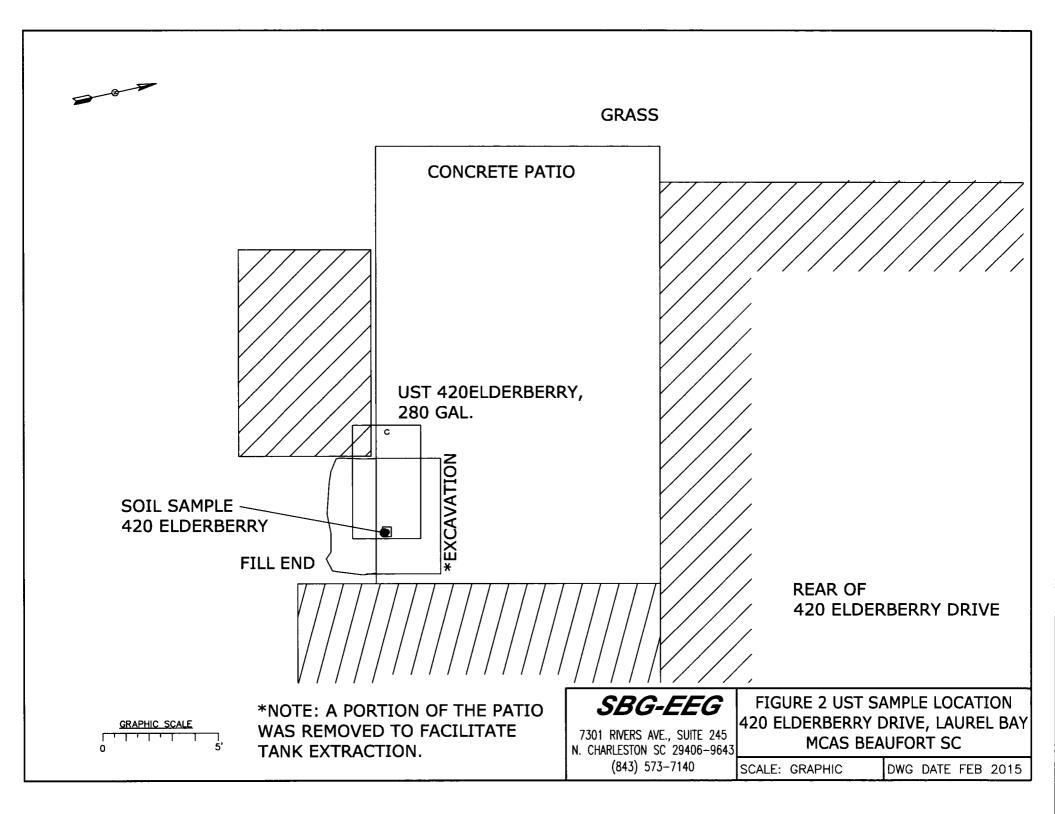
		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?		Х
	If yes, indicate type of receptor, distance, and direction on site map.		
В.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?		Х
	If yes, indicate type of well, distance, and direction on site map.		
C.	Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?		х
	If yes, indicate type of structure, distance, and direction on site map.		
D.	Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water, electric	*X	
	cable, fiber optic & ge If yes, indicate the type of utility, distance, and direction on the site map.	-	rmal
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?		х
	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.

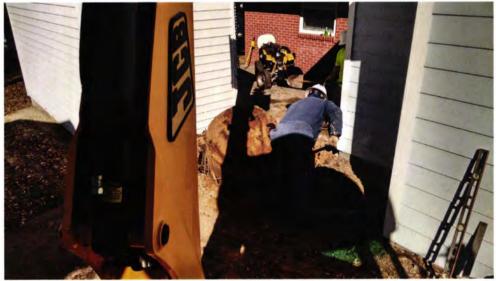
(Attach Site Map Here)







Picture 1: Location of UST 420Elderberry.



Picture 2: UST 420Elderberry being lifted from the excavation.



Picture 3: Tank pit.



Picture 4: Site at 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.

	10071	
CoC UST	420Elderber	FY
Benzene	ND	
Toluene	ND	
Ethylbenzene	ND	
Xylenes	ND	
Naphthalene	ND	
Benzo (a) anthracene	ND	
Benzo (b) fluoranthene	ND	
Benzo (k) fluoranthene	ND	
Chrysene	ND	
Dibenz (a, h) anthracene	ND	
ТРН (ЕРА 3550)		
CoC		
Benzene		
Toluene		
Ethylbenzene		
Xylenes		
Naphthalene		
Benzo (a) anthracene		
Benzo (b) fluoranthene		
Benzo (k) fluoranthene		
Chrysene		
Dibenz (a, h) anthracene		
ТРН (ЕРА 3550)		

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

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

XV. ANALYTICAL RESULTS

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

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



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 490-71072-1 Client Project/Site: Laurel Bay Housing Project

For:

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

Attn: Tom McElwee

Kuth Hay

Authorized for release by: 2/6/2015 4:57:39 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.

..... LINKS **Review your project** results through Total Access Have a Question? Ask-Expert

> Visit us at: www.testamericainc.com

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Sample Summary

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

TestAmerica Job ID: 490-71072-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-71072-1	420 Elderberry	Soil	01/19/15 12:45	01/23/15 08:40
490-71072-2	410 Elderberry	Soil	01/20/15 13:45	01/23/15 08:40
490-71072-3	317 Ash	Soil	01/21/15 14:30	01/23/15 08:40
490-71072-4	1213 Cardinal	Soil	01/22/15 11:15	01/23/15 08:40

TestAmerica Nashville

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

Job ID: 490-71072-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-71072-1

Comments

No additional comments.

Receipt

The samples were received on 1/23/2015 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC/MS VOA

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 223348. (LCS 490-223348/7)

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) 8270C, 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 223441.

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.

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

Qualifiers

GC/MS VO	A
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 Ser	ni VOA

Qualifier Description Qualifier 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.
n	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)

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

Client Sample ID: 420 Elderberry

Date Collected: 01/19/15 12:45 Date Received: 01/23/15 08:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00223	0.000748	mg/Kg	11	01/19/15 12:45	01/27/15 21:16	1
Ethylbenzene	ND		0.00223	0.000748	mg/Kg	IJ	01/19/15 12:45	01/27/15 21:16	1
Naphthalene	ND		0.00558	0.00190	mg/Kg	12	01/19/15 12:45	01/27/15 21:16	1
Toluene	ND		0.00223	0.000827	mg/Kg	Ω	01/19/15 12:45	01/27/15 21:16	1
Xylenes, Total	ND		0.00335	0.000748	mg/Kg	¢.	01/19/15 12:45	01/27/15 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130				01/19/15 12:45	01/27/15 21:16	1
4-Bromofluorobenzene (Surr)	125		70 - 130				01/19/15 12:45	01/27/15 21:16	1
Dibromofluoromethane (Surr)	91		70 - 130				01/19/15 12:45	01/27/15 21:16	1
Toluene-d8 (Surr)	103		70 - 130				01/19/15 12:45	01/27/15 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0642	0.00959	mg/Kg	D.	01/28/15 08:04	01/28/15 16:54	1
Acenaphthylene	ND		0.0642	0.00863	mg/Kg	12	01/28/15 08:04	01/28/15 16:54	1
Anthracene	ND		0.0642	0.00863	mg/Kg	125	01/28/15 08:04	01/28/15 16:54	1
Benzo[a]anthracene	ND		0.0642	0.0144	mg/Kg	13	01/28/15 08:04	01/28/15 16:54	1
Benzo[a]pyrene	ND		0.0642	0.0115	mg/Kg	i:1	01/28/15 08:04	01/28/15 16:54	1
Benzo[b]fluoranthene	ND		0.0642	0.0115	mg/Kg	Ø.	01/28/15 08:04	01/28/15 16:54	1
Benzo[g,h,i]perylene	ND		0.0642	0.00863	mg/Kg	CE.	01/28/15 08:04	01/28/15 16:54	1
Benzo[k]fluoranthene	ND		0.0642	0.0134	mg/Kg	12	01/28/15 08:04	01/28/15 16:54	1
1-Methylnaphthalene	ND		0.0642	0.0134	mg/Kg	13	01/28/15 08:04	01/28/15 16:54	1
Pyrene	ND		0.0642	0.0115	mg/Kg	n	01/28/15 08:04	01/28/15 16:54	1
Phenanthrene	ND		0.0642	0.00863	mg/Kg	T.	01/28/15 08:04	01/28/15 16:54	1
Chrysene	ND		0.0642	0.00863	mg/Kg	E.	01/28/15 08:04	01/28/15 16:54	1
Dibenz(a,h)anthracene	ND		0.0642	0.00671	mg/Kg	CT	01/28/15 08:04	01/28/15 16:54	1
Fluoranthene	ND		0.0642	0.00863	mg/Kg	12	01/28/15 08:04	01/28/15 16:54	1
Fluorene	ND		0.0642	0.0115	mg/Kg	12	01/28/15 08:04	01/28/15 16:54	1
Indeno[1,2,3-cd]pyrene	ND		0.0642	0.00959	mg/Kg	13	01/28/15 08:04	01/28/15 16:54	1
Naphthalene	ND		0.0642	0.00863	mg/Kg	17	01/28/15 08:04	01/28/15 16:54	1
2-Methylnaphthalene	ND		0.0642	0.0153	mg/Kg	ш	01/28/15 08:04	01/28/15 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		29 - 120				01/28/15 08:04	01/28/15 16:54	1
Terphenyl-d14 (Surr)	67		13 - 120				01/28/15 08:04	01/28/15 16:54	1
Nitrobenzene-d5 (Surr)	71		27 - 120				01/28/15 08:04	01/28/15 16:54	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10	0.10	%			01/23/15 15:41	1

Lab Sample ID: 490-71072-1

Matrix: Soil Percent Solids: 93.1

TestAmerica Nashville

Client Sample ID: 410 Elderberry

Date Collected: 01/20/15 13:45 Date Received: 01/23/15 08:40

Method: 8260B - Volatile Orga	nic Compounds	(GC/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.00210	0.000705	mg/Kg	0	01/20/15 13:45	01/27/15 20:45	1	
Ethylbenzene	ND		0.00210	0.000705	mg/Kg	0	01/20/15 13:45	01/27/15 20:45	1	6
Naphthalene	ND		0.00526	0.00179	mg/Kg	13	01/20/15 13:45	01/27/15 20:45	1	-
Toluene	ND		0.00210	0.000778	mg/Kg	13	01/20/15 13:45	01/27/15 20:45	1	
Xylenes, Total	ND		0.00316	0.000705	mg/Kg		01/20/15 13:45	01/27/15 20:45	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	98		70 - 130				01/20/15 13:45	01/27/15 20:45	1	1.0
4-Bromofluorobenzene (Surr)	128		70 - 130				01/20/15 13:45	01/27/15 20:45	1	
Dibromofluoromethane (Surr)	91		70 - 130				01/20/15 13:45	01/27/15 20:45	1	
Toluene-d8 (Surr)	102		70 - 130				01/20/15 13:45	01/27/15 20:45	1	
Method: 8270D - Semivolatile	Organic Compou	nds (GC/MS	3)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	ND		0.0697	0.0104	mg/Kg	10	01/24/15 10:50	01/25/15 19:34	1	
Acenaphthylene	ND		0.0697	0.00936	mg/Kg		01/24/15 10:50	01/25/15 19:34	1	
Anthracene	ND		0.0697	0.00936	mg/Kg	11	01/24/15 10:50	01/25/15 19:34	1	EF

			MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.0697	0.0104	mg/Kg		01/24/15 10:50	01/25/15 19:34	1
		0.0697	0.00936		12	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.00936	mg/Kg	10	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0156	mg/Kg		01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0125	mg/Kg	12	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0125	mg/Kg	0	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.00936	mg/Kg	-	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0146	mg/Kg	12	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0146	mg/Kg	11	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0125	mg/Kg	11	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0,00936	mg/Kg	10	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.00936	mg/Kg	10	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.00728	mg/Kg	10	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.00936	mg/Kg	12	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0125	mg/Kg	12	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0104	mg/Kg	11	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.00936	mg/Kg	17	01/24/15 10:50	01/25/15 19:34	1
ND		0.0697	0.0166	mg/Kg	a	01/24/15 10:50	01/25/15 19:34	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
57		29 - 120				01/24/15 10:50	01/25/15 19:34	1
56		13 - 120				01/24/15 10:50	01/25/15 19:34	1
54		27 - 120				01/24/15 10:50	01/25/15 19:34	7
Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
95		0.10	0.10	%			01/23/15 15:41	1
	Result ND ND ND ND ND ND ND ND ND ND ND ND ND	Result Qualifier ND ND ND ST 56 54 Stat Stat	ND 0.0697 ND 0.2097 S6	Result Qualifier RL MDL ND 0.0697 0.0104 ND 0.0697 0.00936 ND 0.0697 0.00936 ND 0.0697 0.0156 ND 0.0697 0.0125 ND 0.0697 0.0036 ND 0.0697 0.00936 ND 0.0697 0.00936	Result Qualifier RL MDL Unit ND 0.0697 0.0104 mg/Kg ND 0.0697 0.00936 mg/Kg ND 0.0697 0.0125 mg/Kg ND 0.0697 0.0146 mg/Kg ND 0.0697 0.0125 mg/Kg ND 0.0697 0.0146 mg/Kg ND 0.0697 0.0125 mg/Kg ND 0.0697 0.00936 mg/Kg ND 0.0697 0.00936 mg/Kg ND 0.0697 0.00936 mg/Kg ND 0.0697 0.0104 mg/Kg ND 0.0697 0.00936 mg/Kg ND 0.0697 0.0104 mg/Kg ND	Result Qualifier RL MDL Unit D ND 0.0697 0.0104 mg/Kg - ND 0.0697 0.00936 mg/Kg - ND 0.0697 0.00936 mg/Kg - ND 0.0697 0.0125 mg/Kg - ND 0.0697 0.0146 mg/Kg - ND 0.0697 0.00936 mg/Kg - ND 0.0697 0.00936	Result Qualifier RL MDL Unit D Prepared ND 0.0697 0.0104 mg/Kg 01/24/15 10:50 ND 0.0697 0.00936 mg/Kg 01/24/15 10:50 ND 0.0697 0.00936 mg/Kg 01/24/15 10:50 ND 0.0697 0.0156 mg/Kg 01/24/15 10:50 ND 0.0697 0.0125 mg/Kg 01/24/15 10:50 ND 0.0697 0.0146 mg/Kg 01/24/15 10:50 ND 0.0697 0.0125 mg/Kg 01/24/15 10:50 ND 0.0697 0.00936 mg/Kg 01/24/15 10:50 ND 0.0697 0.00936 mg/Kg 01/24/15 10:50 ND 0.0697 0.00936 mg/Kg 01/24/15 10:50 ND	Result Qualifier RL MDL Unit D Prepared Analyzed ND 0.0697 0.0104 mg/Kg 01/24/15 01/25/15 19:34 ND 0.0697 0.00936 mg/Kg 01/24/15 01/25/15 19:34 ND 0.0697 0.00936 mg/Kg 01/24/15 01/25/15 19:34 ND 0.0697 0.0125 mg/Kg 01/24/15 01/25/15 19:34 ND 0.0697 0.0125 mg/Kg 01/24/15 10:50 01/25/15 19:34 ND 0.0697 0.0125 mg/Kg 01/24/15 10:50 01/25/15 19:34 ND 0.0697 0.0125 mg/Kg 01/24/15 10:50 01/25/15 19:34 ND 0.0697 0.0125 mg/Kg 01/24/15 01/25/15 19:34 ND 0.0697 0.00936 mg/Kg 01/24/15 10:50 01/25/15 19:34 ND 0.0697 0.00936

Lab Sample ID: 490-71072-2

Matrix: Soil Percent Solids: 95.2

Client Sample ID: 317 Ash

Date Collected: 01/21/15 14:30 Date Received: 01/23/15 08:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.00210	0.000703	mg/Kg	D.	01/21/15 14:30	01/27/15 20:15	1	
Ethylbenzene	ND		0.00210	0.000703	mg/Kg	Ð	01/21/15 14:30	01/27/15 20:15	1	
Naphthalene	0.00232	J	0.00524	0.00178	mg/Kg	D	01/21/15 14:30	01/27/15 20:15	1	7
Toluene	ND		0.00210	0.000776	mg/Kg	P	01/21/15 14:30	01/27/15 20:15	1	
Xylenes, Total	ND		0.00315	0.000703	mg/Kg	10	01/21/15 14:30	01/27/15 20:15	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				01/21/15 14:30	01/27/15 20:15	1	
4-Bromofluorobenzene (Surr)	129		70 - 130				01/21/15 14:30	01/27/15 20:15	1	
Dibromofluoromethane (Surr)	93		70 - 130				01/21/15 14:30	01/27/15 20:15	1	
Toluene-d8 (Surr)	102		70 - 130				01/21/15 14:30	01/27/15 20:15	1	
Method: 8270D - Semivolatile	Organic Compou	nds (GC/MS	5)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	0.0548	J	0.0819	0.0122	mg/Kg	5	01/24/15 10:50	01/25/15 19:56	1	
Acenaphthylene	ND		0.0819	0.0110	mg/Kg	P.	01/24/15 10:50	01/25/15 19:56	1	
Anthracene	ND		0.0819	0.0110	mg/Kg	P	01/24/15 10:50	01/25/15 19:56	1	
Benzo[a]anthracene	0.0632	J	0.0819	0.0183	mg/Kg	10	01/24/15 10:50	01/25/15 19:56	1	-
Benzo[a]pyrene	ND		0.0819	0.0147	mg/Kg	<u>,D</u>	01/24/15 10:50	01/25/15 19:56	1	
Benzo[b]fluoranthene	0.0446	J	0.0819	0.0147	mg/Kg	12	01/24/15 10:50	01/25/15 19:56	1	
Benzo[g,h,i]perylene	ND		0.0819	0.0110	mg/Kg	12	01/24/15 10:50	01/25/15 19:56	1	
Benzo[k]fluoranthene	ND		0.0819	0.0171	mg/Kg	D	01/24/15 10:50	01/25/15 19:56	1	
1-Methylnaphthalene	0.347		0.0819	0.0171	mg/Kg	-01	01/24/15 10:50	01/25/15 19:56		

Benzo[g,h,i]perylene	ND		0.0819	0.0110	mg/kg		01/24/15 10:50	01/25/15 19:56	1
Benzo[k]fluoranthene	ND		0.0819	0.0171	mg/Kg	10	01/24/15 10:50	01/25/15 19:56	1
1-Methylnaphthalene	0.347		0.0819	0.0171	mg/Kg	0	01/24/15 10:50	01/25/15 19:56	1
Pyrene	0.132		0.0819	0.0147	mg/Kg	12	01/24/15 10:50	01/25/15 19:56	1
Phenanthrene	0.246		0.0819	0.0110	mg/Kg	0	01/24/15 10:50	01/25/15 19:56	1
Chrysene	0.0623	J	0.0819	0.0110	mg/Kg	D.	01/24/15 10:50	01/25/15 19:56	1
Dibenz(a,h)anthracene	ND		0.0819	0.00856	mg/Kg	12	01/24/15 10:50	01/25/15 19:56	1
Fluoranthene	0.160		0.0819	0.0110	mg/Kg	17	01/24/15 10:50	01/25/15 19:56	1
Fluorene	0.0964		0.0819	0.0147	mg/Kg	305	01/24/15 10:50	01/25/15 19:56	1
Indeno[1,2,3-cd]pyrene	ND		0.0819	0.0122	mg/Kg	0	01/24/15 10:50	01/25/15 19:56	1
Naphthalene	ND		0.0819	0.0110	mg/Kg	10	01/24/15 10:50	01/25/15 19:56	1
2-Methylnaphthalene	0,538		0.0819	0.0196	mg/Kg	12	01/24/15 10:50	01/25/15 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	75		29 - 120				01/24/15 10:50	01/25/15 19:56	1
Terphenyl-d14 (Surr)	72		13 - 120				01/24/15 10:50	01/25/15 19:56	1
Nitrobenzene-d5 (Surr)	69		27 - 120				01/24/15 10:50	01/25/15 19:56	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10	0.10	%			01/23/15 15:41	1

Lab Sample ID: 490-71072-3

Matrix: Soil Percent Solids: 81.0

Client Sample ID: 1213 Cardinal

Date Collected: 01/22/15 11:15 Date Received: 01/23/15 08:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.00222	0.000743	mg/Kg	11	01/22/15 11:15	01/27/15 19:44	1	
Ethylbenzene	ND		0.00222	0.000743	mg/Kg	-57	01/22/15 11:15	01/27/15 19:44	1	6
Naphthalene	ND		0.00554	0.00188	mg/Kg	0	01/22/15 11:15	01/27/15 19:44	1	
Toluene	ND		0.00222	0.000820	mg/Kg	0	01/22/15 11:15	01/27/15 19:44	1	
Xylenes, Total	ND		0.00333	0.000743	mg/Kg	a	01/22/15 11:15	01/27/15 19:44	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	97		70 - 130				01/22/15 11:15	01/27/15 19:44	1	
4-Bromofluorobenzene (Surr)	125		70 - 130				01/22/15 11:15	01/27/15 19:44	1	
Dibromofluoromethane (Surr)	95		70 - 130				01/22/15 11:15	01/27/15 19:44	1	
Toluene-d8 (Surr)	103		70 - 130				01/22/15 11:15	01/27/15 19:44	1	
Method: 8270D - Semivolatile	Organic Compou	nds (GC/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	ND		0.0655	0.00977	mg/Kg	a	01/28/15 08:04	01/28/15 17:17	1	
Acenaphthylene	0.110		0.0655	0.00880	mg/Kg		01/28/15 08:04	01/28/15 17:17	1	
Anthracene	ND		0.0655	0.00880	mg/Kg	0	01/28/15 08:04	01/28/15 17:17	1	11
and the second se										

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0655	0.00977	mg/Kg	a.	01/28/15 08:04	01/28/15 17:17	1
Acenaphthylene	0.110		0.0655	0.00880	mg/Kg		01/28/15 08:04	01/28/15 17:17	1
Anthracene	ND		0.0655	0.00880	mg/Kg	8	01/28/15 08:04	01/28/15 17:17	1
Benzo[a]anthracene	0.0191	J	0.0655	0.0147	mg/Kg	12	01/28/15 08:04	01/28/15 17:17	1
Benzo[a]pyrene	0.0176	J	0.0655	0.0117	mg/Kg	a.	01/28/15 08:04	01/28/15 17:17	1
Benzo[b]fluoranthene	0.109		0.0655	0.0117	mg/Kg	0	01/28/15 08:04	01/28/15 17:17	1
Benzo[g,h,i]perylene	0.127		0.0655	0.00880	mg/Kg	ø	01/28/15 08:04	01/28/15 17:17	1
Benzo[k]fluoranthene	0.0141	J	0.0655	0.0137	mg/Kg	,ci	01/28/15 08:04	01/28/15 17:17	1
1-Methylnaphthalene	ND		0.0655	0.0137	mg/Kg	17	01/28/15 08:04	01/28/15 17:17	1
Pyrene	ND		0.0655	0.0117	mg/Kg		01/28/15 08:04	01/28/15 17:17	1
Phenanthrene	0.0502	J	0.0655	0.00880	mg/Kg	17	01/28/15 08:04	01/28/15 17:17	1
Chrysene	0.0675		0.0655	0.00880	mg/Kg	13	01/28/15 08:04	01/28/15 17:17	1
Dibenz(a,h)anthracene	ND		0.0655	0.00684	mg/Kg	17	01/28/15 08:04	01/28/15 17:17	1
Fluoranthene	ND		0.0655	0.00880	mg/Kg	13	01/28/15 08:04	01/28/15 17:17	1
Fluorene	ND		0.0655	0.0117	mg/Kg	ш	01/28/15 08:04	01/28/15 17:17	1
Indeno[1,2,3-cd]pyrene	0.0943		0.0655	0.00977	mg/Kg	13	01/28/15 08:04	01/28/15 17:17	1
Naphthalene	ND		0.0655	0.00880	mg/Kg	11	01/28/15 08:04	01/28/15 17:17	1
2-Methylnaphthalene	ND		0.0655	0.0156	mg/Kg	£1	01/28/15 08:04	01/28/15 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		29 - 120				01/28/15 08:04	01/28/15 17:17	1
Terphenyl-d14 (Surr)	67		13 - 120				01/28/15 08:04	01/28/15 17:17	1
Nitrobenzene-d5 (Surr)	69		27 - 120				01/28/15 08:04	01/28/15 17:17	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10	0.10	%			01/23/15 15:41	1

TestAmerica Job ID: 490-71072-1

Lab Sample ID: 490-71072-4

Matrix: Soil Percent Solids: 89.9

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

Lab Sample ID: MB 490-223348/9 Matrix: Solid Analysis Batch: 223348

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.00200	0.000670	mg/Kg			01/27/15 19:14	1
ND		0.00200	0.000670	mg/Kg			01/27/15 19:14	1
ND		0.00500	0.00170	mg/Kg			01/27/15 19:14	1
ND		0.00200	0.000740	mg/Kg			01/27/15 19:14	1
ND		0.00300	0.000670	mg/Kg			01/27/15 19:14	1
MB	MB							
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
85		70 - 130					01/27/15 19:14	1
122		70 - 130					01/27/15 19:14	1
91		70 - 130					01/27/15 19:14	1
105		70 - 130					01/27/15 19:14	1
	Result ND ND ND ND ND MB %Recovery 85 122 91	ND ND ND ND %Recovery Qualifier 85 122	Result Qualifier RL ND 0.00200 ND 0.00500 ND 0.00200 ND 0.00200 ND 0.00200 ND 0.00200 ND 0.00300 MB MB %Recovery Qualifier Limits 85 70 - 130 122 70 - 130 91 70 - 130	Result Qualifier RL MDL ND 0.00200 0.000670 ND 0.00200 0.000670 ND 0.00500 0.00170 ND 0.00200 0.000740 ND 0.00300 0.000670 ND 0.00200 0.000740 ND 0.00300 0.000670 MB MB %Recovery Qualifier Limits 85 70 - 130 122 70 - 130	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 ND 0.00300 0.000670 mg/Kg MB MB %Recovery Qualifier Limits 122 70 - 130 91 70 - 130	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 ND 0.00300 0.000670 mg/Kg MB MB %Recovery Qualifier Limits 85 70 - 130 91 70 - 130	Result Qualifier RL MDL Unit D Prepared ND 0.00200 0.000670 mg/Kg mg/	Result Qualifier RL MDL Unit D Prepared Analyzed ND 0.00200 0.000670 mg/Kg 01/27/15 19:14 ND 0.00200 0.000670 mg/Kg 01/27/15 19:14 ND 0.00200 0.00070 mg/Kg 01/27/15 19:14 ND 0.00200 0.00070 mg/Kg 01/27/15 19:14 ND 0.00200 0.00070 mg/Kg 01/27/15 19:14 ND 0.00200 0.000670 mg/Kg 01/27/15 19:14 ND 0.00300 0.000670 mg/Kg 01/27/15 19:14 ND 0.00300 0.000670 mg/Kg 01/27/15 19:14 ND 0.00300 0.000670 mg/Kg 01/27/15 19:14 MB MB Imits Imits Prepared Analyzed %Recovery Qualifier Limits Imits 01/27/15 19:14 122 70.130 Imits Imits 01/27/15 19:14 123 70.130 Imits <t< td=""></t<>

Lab Sample ID: LCS 490-223348/7 Matrix: Solid Analysis Batch: 223348

the second s			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene			0.0500	0.04471		mg/Kg		89	75 - 127
Ethylbenzene			0.0500	0.05084		mg/Kg		102	80 - 134
Naphthalene			0.0500	0.06157		mg/Kg		123	69 - 150
Toluene			0.0500	0.04702		mg/Kg		94	80 - 132
Xylenes, Total			0.100	0.09620		mg/Kg		96	80 - 137
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						

ourrogate	, or to or	
1,2-Dichloroethane-d4 (Surr)	98	70 - 130
4-Bromofluorobenzene (Surr)	123	70 - 130
Dibromofluoromethane (Surr)	92	70 - 130
Toluene-d8 (Surr)	103	70 - 130

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

Lab Sample ID: MB 490-222681/1-A							Client Sa	mple ID: Metho	d Blank
Matrix: Solid								Prep Type: 1	otal/NA
Analysis Batch: 222860								Prep Batch:	222681
and the second	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Anthracene	ND		0.0670	0.00900	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Pyrene	ND		0.0670	0.0120	mg/Kg		01/24/15 10:50	01/25/15 17:19	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		01/24/15 10:50	01/25/15 17:19	1

TestAmerica Nashville

7 8 9

Prep Type: Total/NA

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

Client Sample ID: Method Blank

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

Lab Sample ID: MB 490-222681/1-A Matrix: Solid Analysis Batch: 222860

the second second second	MB	MB						6 000 01000	And a state of the	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chrysene	ND		0.0670	0.00900	mg/Kg		01/24/15 10:50	01/25/15 17:19	1	
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		01/24/15 10:50	01/25/15 17:19	1	÷
Fluoranthene	ND		0.0670	0.00900	mg/Kg		01/24/15 10:50	01/25/15 17:19	1	
Fluorene	ND		0.0670	0.0120	mg/Kg		01/24/15 10:50	01/25/15 17:19	1	
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		01/24/15 10:50	01/25/15 17:19	1	
Naphthalene	ND		0.0670	0.00900	mg/Kg		01/24/15 10:50	01/25/15 17:19	1	
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		01/24/15 10:50	01/25/15 17:19	1	
	МВ	МВ								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl (Surr)	68		29 - 120				01/24/15 10:50	01/25/15 17:19	1	

2-Fluorobiphenyl (Surr)	68	29 - 120	01/24/15 10:50	01/25/15 17:19	1
Terphenyl-d14 (Surr)	64	13 - 120	01/24/15 10:50	01/25/15 17:19	1
Nitrobenzene-d5 (Surr)	67	27 - 120	01/24/15 10:50	01/25/15 17:19	1

Lab Sample ID: LCS 490-222681/2-A

Matrix: Solid Analysis Batch: 222860

Analysis Batch: 222860							Prep Batch: 222681
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthylene	1.67	1.264		mg/Kg		76	38 - 120
Anthracene	1.67	1.269		mg/Kg		76	46 - 124
Benzo[a]anthracene	1.67	1.301		mg/Kg		78	45 - 120
Benzo[a]pyrene	1.67	1.269		mg/Kg		76	45 - 120
Benzo[b]fluoranthene	1.67	1.301		mg/Kg		78	42 - 120
Benzo[g,h,i]perylene	1.67	1.471		mg/Kg		88	38 - 120
Benzo[k]fluoranthene	1.67	1.217		mg/Kg		73	42 - 120
1-Methylnaphthalene	1.67	1.214		mg/Kg		73	32 - 120
Pyrene	1.67	1.211		mg/Kg		73	43 - 120
Phenanthrene	1.67	1.255		mg/Kg		75	45 - 120
Chrysene	1.67	1.287		mg/Kg		77	43 - 120
Dibenz(a,h)anthracene	1.67	1.434		mg/Kg		86	32 - 128
Fluoranthene	1.67	1.231		mg/Kg		74	46 - 120
Fluorene	1.67	1.305		mg/Kg		78	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.426		mg/Kg		86	41 - 121
Naphthalene	1.67	1.244		mg/Kg		75	32 - 120
2-Methylnaphthalene	1.67	1.204		mg/Kg		72	28 - 120

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	69		29 - 120
Terphenyl-d14 (Surr)	63		13 - 120
Nitrobenzene-d5 (Surr)	69		27 - 120
Will Oberizene-us (Suit)	03		21

Lab Sample ID: LCSD 490-222681/16-A Matrix: Solid

Analysis Batch: 222860

Analysis Batch: 222860							Prep I	Batch: 2	22681
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthylene	1.67	1.291		mg/Kg		77	38 - 120	2	50
Anthracene	1.67	1.297		mg/Kg		78	46 - 124	2	49

TestAmerica Nashville

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 222681

Page 11 of 22

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

Lab Sample ID: LCSD 490-222	681/16-A					Clie	nt San	ple ID:	Lab Contro	I Sampl	e Dup	
Matrix: Solid									Prep T	ype: To	tal/NA	
Analysis Batch: 222860									Prep	Batch: 2	22681	
a sea a second de la seconda de la second			Spike	LCSD	LCSD				%Rec.		RPD	100
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzo[a]anthracene			1.67	1.316		mg/Kg		79	45 - 120	1	50	
Benzo[a]pyrene			1.67	1.263		mg/Kg		76	45 - 120	1	50	in the second
Benzo[b]fluoranthene			1.67	1,335		mg/Kg		80	42 - 120	3	50	7
Benzo[g,h,i]perylene			1.67	1.500		mg/Kg		90	38 - 120	2	50	-
Benzo[k]fluoranthene			1.67	1.242		mg/Kg		75	42 - 120	2	45	
1-Methylnaphthalene			1.67	1.239		mg/Kg		74	32 - 120	2	50	
Pyrene			1.67	1,232		mg/Kg		74	43 - 120	2	50	2
Phenanthrene			1.67	1.286		mg/Kg		77	45 - 120	2	50	-
Chrysene			1.67	1.278		mg/Kg		77	43 - 120	1	49	
Dibenz(a,h)anthracene			1.67	1.461		mg/Kg		88	32 - 128	2	50	
Fluoranthene			1.67	1.269		mg/Kg		76	46 - 120	3	50	
Fluorene			1.67	1.332		mg/Kg		80	42 - 120	2	50	
Indeno[1,2,3-cd]pyrene			1.67	1.462		mg/Kg		88	41 - 121	2	50	100
Naphthalene			1.67	1.257		mg/Kg		75	32 - 120	1	50	
2-Methylnaphthalene			1.67	1.230		mg/Kg		74	28 - 120	2	50	100
	LCSD	LCSD										1121
Surrogate	%Recovery	Qualifier	Limits									
2-Fluorobiphenyl (Surr)	68		29 - 120									
Terphenyl-d14 (Surr)	63		13 - 120									
Nitrobenzene-d5 (Surr)	70		27 - 120									

Lab Sample ID: 490-70903-B-2-C MS Matrix: Solid

Analysis Batch: 222860

									Desa Detaka 000004
Analysis Batch: 222860	Samola	Sample	Spike	MS	MS				Prep Batch: 222681 %Rec.
	1000					Unit	D	%Rec	Limits
Analyte		Qualifier	Added	Result	Qualifier				
Acenaphthylene	ND		1.86	1.544		mg/Kg	,0,	83	25 - 120
Anthracene	ND		1.86	1.570		mg/Kg	а, Э.	84	28 - 125
Benzo[a]anthracene	ND		1.86	1.644		mg/Kg		88	23 - 120
Benzo[a]pyrene	ND		1.86	1.564		mg/Kg	(C	84	15 - 128
Benzo[b]fluoranthene	ND		1.86	1.651		mg/Kg	Û,	89	12 - 133
Benzo[g,h,i]perylene	ND		1.86	1.877		mg/Kg	0	101	22 - 120
Benzo[k]fluoranthene	ND		1.86	1.536		mg/Kg	0	83	28 - 120
1-Methylnaphthalene	0.0744		1.86	1.626		mg/Kg	D,	83	10 - 120
Pyrene	ND		1.86	1.520		mg/Kg	10	82	20 - 123
Phenanthrene	ND		1.86	1.558		mg/Kg	10-	84	21 - 122
Chrysene	ND		1.86	1.609		mg/Kg	30	86	20 - 120
Dibenz(a,h)anthracene	ND		1.86	1.829		mg/Kg	10	98	12 - 128
Fluoranthene	ND		1.86	1.559		mg/Kg	0	84	10 - 143
Fluorene	ND		1.86	1.596		mg/Kg	0	86	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.86	1.792		mg/Kg	.0	96	22 - 121
Naphthalene	ND		1.86	1.515		mg/Kg	9	81	10 - 120
2-Methylnaphthalene	0.110		1.86	1.690		mg/Kg	17	85	13 - 120
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
2-Fluorobiphenyl (Surr)	64		29 - 120						
Terphenyl-d14 (Surr)	67		13 - 120						

Client Sample ID: Matrix Spike

Prep Type: Total/NA

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

Lab Sample ID: 490-70903-B-2-C MS Matrix: Solid Analysis Batch: 222860

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	71		27 - 120

Lab Sample ID: 490-70903-B-2-D MSD Matrix: Solid

Analysis Batch: 222860									Prep	Batch: 2	22681
and the standard strength	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthylene	ND		1.86	1.432		mg/Kg	α	77	25 - 120	8	50
Anthracene	ND		1.86	1.431		mg/Kg	П	77	28 - 125	9	49
Benzo[a]anthracene	ND		1.86	1.463		mg/Kg	11	79	23 - 120	12	50
Benzo[a]pyrene	ND		1.86	1.417		mg/Kg	Ø.	76	15 - 128	10	50
Benzo[b]fluoranthene	ND		1.86	1.523		mg/Kg	.0	82	12 - 133	8	50
Benzo[g,h,i]perylene	ND		1.86	1.650		mg/Kg	П	89	22 - 120	13	50
Benzo[k]fluoranthene	ND		1.86	1.354		mg/Kg		73	28 - 120	13	45
1-Methylnaphthalene	0.0744		1.86	1.476		mg/Kg		75	10 - 120	10	50
Pyrene	ND		1.86	1.356		mg/Kg	Ċ.	73	20 - 123	11	50
Phenanthrene	ND		1.86	1.419		mg/Kg	n	76	21 - 122	9	50
Chrysene	ND		1.86	1.454		mg/Kg	-	78	20 - 120	10	49
Dibenz(a,h)anthracene	ND		1.86	1.620		mg/Kg	0	87	12 - 128	12	50
Fluoranthene	ND		1.86	1.391		mg/Kg	0	75	10 - 143	11	50
Fluorene	ND		1.86	1.463		mg/Kg	α	79	20 - 120	9	50
Indeno[1,2,3-cd]pyrene	ND		1.86	1.575		mg/Kg	ų.	85	22 - 121	13	50
Naphthalene	ND		1.86	1.424		mg/Kg	п	77	10 - 120	6	50
2-Methylnaphthalene	0.110		1.86	1.531		mg/Kg	-11	76	13 - 120	10	50
	MSD	MSD									

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	63		29 - 120
Terphenyl-d14 (Surr)	59		13.120
Nitrobenzene-d5 (Surr)	66		27 - 120

Lab Sample ID: MB 490-223441/1-A

Matrix: Solid Analysis Batch: 223527

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Anthracene	ND		0.0670	0.00900	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Pyrene	ND		0.0670	0.0120	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Chrysene	ND		0.0670	0.00900	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		01/28/15 08:04	01/28/15 14:16	1
and a second state of a second s									

TestAmerica Nashville

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 223441

TestAmerica Job ID: 490-71072-1

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 222681

Prep Type: Total/NA

2/6/2015

RL

0.0670

0.0670

0.0670

0.0670

0.0670

Limits

29 - 120

13 - 120

27 - 120

MDL Unit

0.00900 mg/Kg

0.0120 mg/Kg

0.0100 mg/Kg

0.00900 mg/Kg

0.0160 mg/Kg

D

Prepared

01/28/15 08:04

01/28/15 08:04

01/28/15 08:04

01/28/15 08:04

01/28/15 08:04

Prepared

01/28/15 08:04

01/28/15 08:04

01/28/15 08:04

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

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

MB MB

ND

ND

ND

ND

ND

73

75

76

%Recovery

MB MB

Qualifier

Qualifier

Result

Lab Sample ID: MB 490-223441/1-A Matrix: Solid Analysis Batch: 223527

Analyte

Fluorene

Fluoranthene

Naphthalene

Surrogate

Indeno[1,2,3-cd]pyrene Naphthalene

Indeno[1,2,3-cd]pyrene

2-Methylnaphthalene

2-Fluorobiphenyl (Surr)

Terphenyl-d14 (Surr)

Nitrobenzene-d5 (Surr)

TestAmerica	Job	ID;	490-7	107	2-1	

Analyzed

01/28/15 14:16

01/28/15 14:16

01/28/15 14:16

01/28/15 14:16

01/28/15 14:16

Analyzed

01/28/15 14:16

01/28/15 14:16

01/28/15 14:16

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 223441 Dil Fac 1 1 Dil Fac 1 1

Lab Sample ID: LCS 490-223441/2-A Matrix: Solid

Analysis Batch: 2

Client Sample ID: Lab Control Sample

41-121

32 - 120 28 - 120

77

67

72

Prep Type: Total/NA Prep Batch: 223441

Analysis Batch: 223527							Prep
Analysis Balen. 223327	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthylene	1.67	1.247		mg/Kg		75	38 - 120
Anthracene	1.67	1.294		mg/Kg		78	46 - 124
Benzo[a]anthracene	1.67	1.302		mg/Kg		78	45 - 120
Benzo[a]pyrene	1.67	1.275		mg/Kg		76	45 - 120
Benzo[b]fluoranthene	1.67	1.294		mg/Kg		78	42 - 120
Benzo[g,h,i]perylene	1.67	1.285		mg/Kg		77	38 - 120
Benzo[k]fluoranthene	1.67	1.193		mg/Kg		72	42 - 120
1-Methylnaphthalene	1.67	1.116		mg/Kg		67	32 - 120
Pyrene	1.67	1.269		mg/Kg		76	43 - 120
Phenanthrene	1.67	1.252		mg/Kg		75	45 - 120
Chrysene	1.67	1.244		mg/Kg		75	43 - 120
Dibenz(a,h)anthracene	1.67	1.353		mg/Kg		81	32 - 128
Fluoranthene	1.67	1.252		mg/Kg		75	46 - 120
Fluorene	1.67	1.261		mg/Kg		76	42 - 120

1.67

1.67

1.287

1.116

1.192

mg/Kg

mg/Kg

mg/Kg

2-Methylnaphthalene			1.67
	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		29 - 120
Terphenyl-d14 (Surr)	73		13 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120

Method: Moisture - Percent Moisture

							Client Sample ID: Dup	licato
Lab Sample ID: 490-71052	-D-4 DU							
Matrix: Solid							Prep Type: To	tal/NA
Analysis Batch: 222558								
Construction and and	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Solids	86		87		%		0.9	20

QC Association Summary

Client: Small Business Group Inc. Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 490-71072-1

GC/MS VOA

Prep Batch: 222793					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71072-1	420 Elderberry	Total/NA	Soil	5035	
490-71072-2	410 Elderberry	Total/NA	Soil	5035	Sec.
490-71072-3	317 Ash	Total/NA	Soil	5035	
490-71072-4	1213 Cardinal	Total/NA	Soil	5035	
Analysis Batch: 223348	0				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71072-1	420 Elderberry	Total/NA	Soil	8260B	222793
490-71072-2	410 Elderberry	Total/NA	Soil	8260B	222793
490-71072-3	317 Ash	Total/NA	Soil	8260B	222793
490-71072-4	1213 Cardinal	Total/NA	Soil	8260B	222793
LCS 490-223348/7	Lab Control Sample	Total/NA	Solid	8260B	
MB 490-223348/9	Method Blank	Total/NA	Solid	8260B	
GC/MS Semi VOA					
Prep Batch: 222681					12
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-70903-B-2-C MS	Matrix Spike	Total/NA	Solid	3550C	
490-70903-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-71072-2	410 Elderberry	Total/NA	Soil	3550C	
490-71072-3	317 Ash	Total/NA	Soil	3550C	
LCS 490-222681/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-222681/16-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
MB 490-222681/1-A	Method Blank	Total/NA	Solid	3550C	
Analysis Batch: 222860					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-70903-B-2-C MS	Matrix Spike	Total/NA	Solid	8270D	222681
490-70903-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	222681
490-71072-2	410 Elderberry	Total/NA	Soil	8270D	222681
490-71072-3	317 Ash	Total/NA	Soil	8270D	222681
LCS 490-222681/2-A	Lab Control Sample	Total/NA	Solid	8270D	222681
LCSD 490-222681/16-A	Lab Control Sample Dup	Total/NA	Solid	8270D	222681
MB 490-222681/1-A	Method Blank	Total/NA	Solid	8270D	222681
Prep Batch: 223441					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71072-1	420 Elderberry	Total/NA	Soil	3550C	
490-71072-4	1213 Cardinal	Total/NA	Soil	3550C	
LCS 490-223441/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-223441/1-A	Method Blank	Total/NA	Solid	3550C	
A					

Analysis Batch: 223527

Lab Sample ID
490-71072-1
490-71072-4
LCS 490-223441/2-A
MB 490-223441/1-A

TestAmerica Nashville

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Matrix

Soil

Soil

Solid

Solid

Method 8270D

8270D

8270D

8270D

Prep Batch

223441

223441

223441

223441

QC Association Summary

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

TestAmerica Job ID: 490-71072-1

General Chemistry

Analysis Batch: 222558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71052-D-4 DU	Duplicate	Total/NA	Solid	Moisture	5
490-71052-D-4 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-71052-D-4 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-71072-1	420 Elderberry	Total/NA	Soil	Moisture	
490-71072-2	410 Elderberry	Total/NA	Soil	Moisture	
490-71072-3	317 Ash	Total/NA	Soil	Moisture	
490-71072-4	1213 Cardinal	Total/NA	Soil	Moisture	8
					9
					13

Client Sample ID: 420 Elderberry

Date Collected: 01/19/15 12:45 Date Received: 01/23/15 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.806 g	5.0 mL	222793	01/19/15 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.806 g	5.0 mL	223348	01/27/15 21:16	JMG	TAL NSH
Total/NA	Prep	3550C			33.60 g	1.00 mL	223441	01/28/15 08:04	RMS	TAL NSH
Total/NA	Analysis	8270D		1	33.60 g	1.00 mL	223527	01/28/15 16:54	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			222558	01/23/15 15:41	RRS	TAL NSH

Client Sample ID: 410 Elderberry Date Collected: 01/20/15 13:45

Date Received: 01/23/15 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.994 g	5.0 mL	222793	01/20/15 13:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.994 g	5.0 mL	223348	01/27/15 20:45	JMG	TAL NSH
Total/NA	Prep	3550C			30.29 g	1 mL	222681	01/24/15 10:50	LDC	TAL NSH
Total/NA	Analysis	8270D		1	30.29 g	1 mL	222860	01/25/15 19:34	BES	TAL NSH
Total/NA	Analysis	Moisture		1			222558	01/23/15 15:41	RRS	TAL NSH

Client Sample ID: 317 Ash

Date Collected: 01/21/15 14:30 Date Received: 01/23/15 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.881 g	5.0 mL	222793	01/21/15 14:30	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.881 g	5.0 mL	223348	01/27/15 20:15	JMG	TAL NSH
Total/NA	Prep	3550C			30.27 g	1 mL	222681	01/24/15 10:50	LDC	TAL NSH
Total/NA	Analysis	8270D		1	30.27 g	1 mL	222860	01/25/15 19:56	BES	TAL NSH
Total/NA	Analysis	Moisture		1			222558	01/23/15 15:41	RRS	TAL NSH

Client Sample ID: 1213 Cardinal Date Collected: 01/22/15 11:15 Date Received: 01/23/15 08:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.016 g	5.0 mL	222793	01/22/15 11:15	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.016 g	5.0 mL	223348	01/27/15 19:44	JMG	TAL NSH
Total/NA	Prep	3550C			34.14 g	1.00 mL	223441	01/28/15 08:04	RMS	TAL NSH
Total/NA	Analysis	8270D		1	34.14 g	1.00 mL	223527	01/28/15 17:17	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			222558	01/23/15 15:41	RRS	TAL NSH

Laboratory References:

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

Lab Sample ID: 490-71072-3

Matrix: Soil Percent Solids: 81.0

Lab Sample ID: 490-71072-4

TestAmerica Job ID: 490-71072-1

Lab Sample ID: 490-71072-1

Matrix: Soil Percent Solids: 93.1

Matrix: Soil

Percent Solids: 95.2

h	Prepared			
ber	or Analyzed	Analyst	Lab	
/93	01/19/15 12:45	JLP	TAL NSH	
348	01/27/15 21:16	JMG	TAL NSH	
41	01/28/15 08:04	RMS	TAL NSH	
527	01/28/15 16:54	SNR	TAL NSH	
558	01/23/15 15:41	RRS	TAL NSH	

Lab Sample ID: 490-71072-2

Matrix: Soil

Percent Solids: 89.9

TestAmerica Job ID: 490-71072-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Certification Summary

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

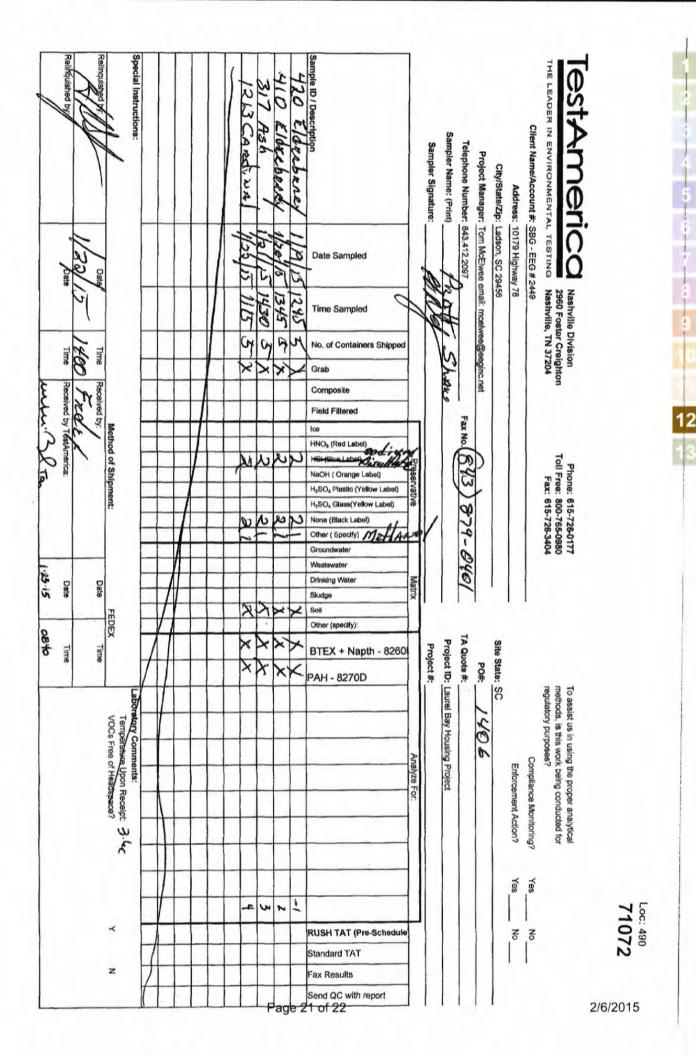
Laboratory: TestAmerica Nashville

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

Authority	Program		EPA Region	Certification ID	Expiration Date
North Carolina (WW/SW)	State Prog	Iram	4	387	12-31-15
The following analytes are	e included in this report, bu	t certification is not off	ered by the governing	authority:	
Analysis Method	Prep Method	Matrix	Analy	te	
Moisture		Soil	Perce	ent Solids	
South Carolina	State Prog	Iram	4	84009 (001)	02-28-15
The following analytes are	e included in this report, bu	t certification is not off	ered by the governing	authority:	
Analysis Method	Prep Method	Matrix	Analy	te	
8270D	3550C	Soil	1-Met	hylnaphthalene	
Moisture		Soil	Perce	ent Solids	

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THE LEADER IN ENVIRONMENTAL TESTING Nashville, TN COOLER RECEIPT FORM	
Cooler Received/Opened On 1/23/2015 @ 0840 490-7107	2 Chain of Custody
1. Tracking #3715(last 4 digits, FedEx)	
Courier: FedEx IR Gun ID_12080142	
2. Temperature of rep. sample or temp blank when opened: <u>3.6</u> Degrees Celsius	
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen	YES NO
4. Were custody seals on outside of cooler? If yes, how many and where: ONE frowf & Back	E. NONA
5. Were the seals intact, signed, and dated correctly?	YES NO. NA
5. Were custody papers inside cooler?	YES. NONA
I certify that I opened the cooler and answered questions 1-6 (initial)	Comment.
7. Were custody seals on containers: YES 🔞 and Intact	YESNO.
Were these signed and dated correctly?	YESNO.
8. Packing mat'l used ? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Pap	er Other None
9. Cooling process:	
\sim	YES NO NA
10. Did all containers arrive in good condition (unbroken)?	10NA
10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)?	~
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 	ESNONA
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 	ENONA
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? 	CESNONA CESNONA CESNONA YESNO. CO
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YES OR. If multiple coolers, seque 	CESNONA CESNONA CESNONA YESNO. CO
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESONA If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 	(ESNONA (ESNONA (ESNONA (YESNO. (A) nce #
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESONA If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 	(ESNONA (ESNONA (ESNONA (YESNO. (A) nce #
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESOR If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level 	(ESNONA (ES)NONA (ES)NONA (YESNO. (A) nce # 7 YESNO. (A)
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESONA If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 15a. 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? 	
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESO.NA If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 15a. 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 16. Was residual chlorine present? certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) 	
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13. Were VOA vials received? 14. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESOR. If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 15. Did the bottle labels indicate that the correct preservation reached the correct pH level 15. Did the bottle labels indicate that the correct preservatives were used 16. Was residual chlorine present? 17. Were custody papers properly filled out (ink, signed, etc)? 	(ESNONA (ESNONA (ESNONA YESNONA ? YESNONA (ESNONA YESNONA YESNONA YESNONA YESNONA
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YES (O). NA If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 15a. 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 (intial) 7. Were custody papers properly filled out (ink, signed, etc)? 8. Did you sign the custody papers in the appropriate place? 	
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESO.NA If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 15a. 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 16. Was residual chlorine present? certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) 17. 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? 	ESNONA ESNONA YESNONA YESNOMA YESNONA YESNONA YESNONA YESNONA YESNONA
 10. Did all containers arrive in good condition (unbroken)? 11. Were all container labels complete (#, date, signed, pres., etc)? 12. Did all container labels and tags agree with custody papers? 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? 14. Was there a Trip Blank in this cooler? YESOR If multiple coolers, seque certify that I unloaded the cooler and answered questions 7-14 (intial) 15a. 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 	ESNONA (ES)NONA YESNONA YESNONA ? YESNONA YESNONA YESNONA YESNONA YESNONA (ES)NONA

12



Login Sample Receipt Checklist

Client: Small Business Group Inc.

Login Number: 71072 List Number: 1

Creator: McBride, Mike

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey<br meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 490-71072-1

List Source: TestAmerica Nashville

ATTACHMENT A

NON-HAZ	ARDOUS		EST
 1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

NON-HAZARDOUS MANIFEST					1 1			- 6	
3. Generator's Mailing Address:	Gan	Generator's Site Address (If different than mailing):				est Number	1 -		
MCAS BEAUFORT	Gen	Generator's Site Address (if different than mailing):			/MNA	01510	127		
LAUREL BAY HOUSING				V		01519			
BEAUFORT, SC 29904		1				b. State (Generator's	10	
4. Generator's Phone 843-87	43-879-0411								
5. Transporter 1 Company Name	Po 1925	2.5 6. US EPA ID Number							
Carolina Containars					C. State Transporter's ID D. Transporter's Phone				
Bft sc 29901-1	192	8. US EPA I							
7. Transporter 2 Company Name 8. US EPA ID Number			E. State Transporter's ID			002	-		
	The second secon		F. Transporter's Phone						
9. Designated Facility Name and Site	Address	10. US EPA ID Number							
HICKORY HILL LANDFILL 2621 LOW COUNTRY DRIVE RIDGELAND, SC 29936				G. State Facility ID					
		LI DA I	11 0 A 0			H. State Facility Phone 843-987-4643			
		1.5							
		and the second second	and the second			Martin Strand		and the second second	
11. Description of Waste Materials			12. Co	Type	13. Total Quantity	14. Unit Wt./Vol.	I. M	isc. Comments	s
a. HEATING OIL TANK FILLED W	/ITH SAND				C Signal.	- 1	~		-
			1	Du	10.06	TON	S.	30 7	
WM Profil	e# 102655SC			0	LT LEDO		N		
b					- detail				
			a particular	-law-	07.0	Withham			
WM Profile #	1000 -1			1		The Way			
c.			-		1 Charles				
			NACE NO.	1.0	5000	And see		1.71	_
WM Profile #	WMD0000 North		mer by	122	100	line		1979	
d. Westerland			No.	type	Taket	Vier II Van			
				1.000	- QQ				
WM Profile #				12 - 2-01	1000		1	1.	
J. Additional Descriptions for Materials Listed Above			K. Dispo	sal Location					
									_
J. Additional Descriptions for Materia			Cell		· · · · · · · · · · · · · · · · · · ·		Level		
· · · · · · · · · · · · · · · · · · ·			Cell Grid		1	- 4	Level	1	
15. Special Handling Instructions and	Additional Information	2) 689 CAN	Grid	4)	420 E	Idureba		6317	14
Addressing for a dynamic	Additional Information		Grid			Idicrebic	nry (6)317	4
15. Special Handling Instructions and A	1.		Grid				nry (6)317	14.
15. Special Handling Instructions and A	Additional Information		Grid nellin bacor	24 5)		Idereb	nry (6)317	A
15. Special Handling Instructions and A UST'S FROM D 777 LAUR Purchase Order #	« BAY	3) 933 AI	Grid nellin bacor	24 5)	410 E	Idereb	nry (6)317	A
15. Special Handling Instructions and A UST S FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ	ed materials are not ha	3 933 A1 EMERGENCY CC	Grid DACOM NTACT / PH	ONE NO.: FR Part 261	410 E	cable state law	RRY ((j)317	4
15. Special Handling Instructions and A GST S FROM D 77 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa	ed materials are not ha	3 933 AI EMERGENCY CO azardous wastes as define per condition for transpo	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY (4
15. Special Handling Instructions and A UST S FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ	ed materials are not ha	3 933 AI EMERGENCY CC	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY (b)317	Yez
15. Special Handling Instructions and A GST & FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa Printed Name	ed materials are not hat ckaged and are in prop	3 933 Al EMERGENCY CO azardous wastes as defin per condition for transpo Signature "On beha	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY (A. Yea
15. Special Handling Instructions and A GST S FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa Printed Name 17. Transporter 1 Acknowledgement of	ed materials are not hat ckaged and are in prop	3 933 A1 EMERGENCY CC azardous wastes as defin per condition for transpo Signature "On beha	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY (1
15. Special Handling Instructions and A GST S FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa Printed Name	ed materials are not hat ckaged and are in prop	3 933 Al EMERGENCY CO azardous wastes as defin per condition for transpo Signature "On beha	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY ERRY I, have been Month	Day	1
15. Special Handling Instructions and A GST S FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa Printed Name 17. Transporter 1 Acknowledgement of	ed materials are not hackaged and are in prop of Receipt of Materials	3 933 A1 EMERGENCY CC azardous wastes as defin ber condition for transpo Signature "On beha Signature	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY ERRY u, have been Month	Day Day	1
15. Special Handling Instructions and A GST S FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa Printed Name 17. Transporter 1 Acknowledgement of Printed Name 18. Transporter 2 Acknowledgement of Printed Name	ed materials are not hackaged and are in prop of Receipt of Materials	3 933 A1 EMERGENCY CC azardous wastes as defin ber condition for transpo Signature "On beha Signature	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY ERRY u, have been Month	Day Day	Yea
15. Special Handling Instructions and A GST S FROM D 777 LAUR Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa Printed Name 17. Transporter 1 Acknowledgement of Printed Name 18. Transporter 2 Acknowledgement of Printed Name	ed materials are not hackaged and are in prop of Receipt of Materials	3 933 Al EMERGENCY CO azardous wastes as define per condition for transpo Signature "On beha Signature	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY RRY , have been Month Month	Day 29	Yea
15. Special Handling Instructions and A GST'S FROM Purchase Order # 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa Printed Name 17. Transporter 1 Acknowledgement of Printed Name Republic Printed Name Shawd	ed materials are not hackaged and are in prop of Receipt of Materials	3 933 Al EMERGENCY CO azardous wastes as define per condition for transpo Signature "On beha Signature	Grid DACOM NTACT / PH ned by 40 C	ONE NO.: FR Part 261	410 E	cable state law	RRY RRY , have been Month Month	Day 29	Yea
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Appendix C Regulatory Correspondence





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

July 1, 2015

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

RE: No Further Action Laurel Bay Underground Storage Tank Assessment Reports for: See attached sheet

Dear Mr. Drawdy,

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

The Department has reviewed the referenced assessment reports and agrees there is no indication of soil or groundwater contamination on these properties, and therefore no further investigation is required at this time.

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

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

Sincerely,

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

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



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

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

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks)

111 Birch	363 Aspen
123 Banyan	364 Aspen
131 Banyan	366 Aspen
134 Banyan	369 Aspen
145 Laurel Bay	373 Aspen
150 Laurel Bay	381 Aspen
153 Laurel Bay	401 Elderberry
154 Laurel Bay	402 Elderberry
155 Laurel Bay	404 Elderberry
200 Balsam	410 Elderberry
202 Balsam	420 Elderberry
203 Balsam	424 Elderberry
208 Balsam	435 Elderberry Tank 3
210 Balsam	452 Elderberry
211 Balsam	460 Elderberry
220 Cypress	465 Dogwood
222 Cypress	477 Laurel Bay
223 Cypress	487Laurel Bay
252 Beech Tank 2	513 Laurel Bay
271 Beech Tank 1	519 Laurel Bay
271 Beech Tank 2	524 Laurel Bay
284 Birch Tank 1	535 Laurel Bay
284 Birch Tank 2	553 Dahlia
308 Ash	590 Aster
311 Ash	591 Aster
312 Ash	610 Dahlia
317 Ash	612 Dahlia
318 Ash	628 Dahlia
337 Ash	636 Dahlia
351 Ash Tank 1	637 Dahlia Tank 1
351 Ash Tank 2	637 Dahlia Tank 2
355 Ash Tank 1	641 Dahlia
355 Ash Tank 2	642 Dahlia Tank 1
360 Aspen	642 Dahlia Tank 2

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL 2600 Bull Street • Columbia, SC 29201 • Phone: (803) 898-3432 • www.scdhec.gov Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.

655 Camellia	920 Albacore
662 Camellia	922 Barracuda Tank 1
683 Camellia	922 Barracuda Tank 2
684 Camellia	924 Albacore
689 Abelia	925 Albacore
694 Abelia	926 Albacore
695 Abelia	930 Albacore
741 Blue Bell	931 Albacore
742 Blue Bell	933 Albacore
755 Althea	936 Albacore
757 Althea	938 Albacore
776 Laurel Bay	939 Albacore
777 Azalea	940 Albacore
779 Laurel Bay	1010 Foxglove
781 Laurel Bay	1066 Gardenia
802 Azalea	1068 Gardenia
816 Azalea	1071 Heather Tank 2
822 Azalea	1100 Iris Tank 2
823 Azalea	1128 Iris
825 Azalea	1178 Bobwhite
828 Azalea	1204 Cardinal
837 Azalea	1208 Cardinal
851 Dolphin	1209 Cardinal
856 Dolphin	1210 Cardinal
857 Dolphin	1215 Cardinal
861 Dolphin	1216 Cardinal
864 Dolphin	1217 Cardinal Tank 1
868 Dolphin	1217 Cardinal Tank 2
872 Dolphin	1233 Dove
879 Cobia	1244 Dove
886 Cobia	1250 Dove
888 Cobia	1252 Dove
889 Cobia	1254 Dove
901 Barracuda	1256 Dove
902 Barracuda	1258 Dove
903 Barracuda	1263 Dove
904 Barracuda	1269 Dove
909 Barracuda	1276 Dove
910 Barracuda	1283 Dove
914 Barracuda	1285 Dove
915 Barracuda	1288 Eagle

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.

1296 Eagle	1330 Albatross
1307 Eagle	1331 Albatross
1321 Albatross	1333 Albatross
1322 Albatross	1334 Albatross
1327 Albatross	1335 Albatross
1328 Albatross	