SUMMARY REPORT
71 BLUEBELL LANE (FORMERLY 708 BLUEBELL 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 SUMMARY REPORT
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Prepared by:

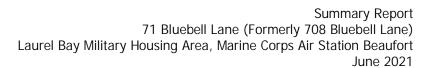


CDM - AECOM Multimedia Joint Venture 10560 Arrowhead Drive, Suite 500 Fairfax, Virginia 22030

Contract Number: N62470-14-D-9016

CTO WE52

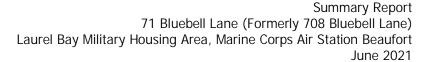
**JUNE 2021** 





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### List of Acronyms

bgs below ground surface

BTEX benzene, toluene, ethylbenzene, and xylenes

CTO Contract Task Order

COPC constituents of potential concern

IDIQ Indefinite Delivery, Indefinite Quantity

IGWA Initial Groundwater Assessment

JV Joint Venture

LBMH Laurel Bay Military Housing MCAS Marine Corps Air Station

NAVFAC Mid-Lant Naval Facilities Engineering Command Mid-Atlantic

NFA No Further Action

PAH polynuclear aromatic hydrocarbon

QAPP Quality Assurance Program Plan

RBSL risk-based screening level

SCDHEC South Carolina Department of Health and Environmental Control

Site LBMH area at MCAS Beaufort, South Carolina

UST underground storage tank

VISL vapor intrusion screening level



#### 1.0 INTRODUCTION

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

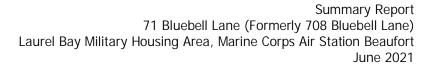
As of January 2014, the LBMH addresses were re-numbered to comply with the E-911 emergency response addressing system; however, in order to remain consistent with historical sampling and reporting for LBMH area, the residences will continue to be referenced with their original address numbers in sample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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 71 Bluebell Lane (Formerly 708 Bluebell 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).

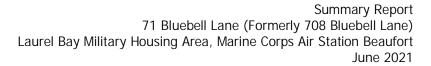
In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that 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.

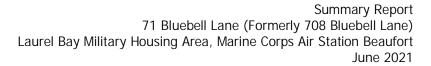
The results of the soil sampling at each former UST location were used to determine if a potential for groundwater contamination exists (i.e., soil results greater than RBSLs) and subsequently to select properties for follow-up initial groundwater assessment (IGWA) sampling. The results of the IGWA sampling (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 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 71 Bluebell Lane (Formerly 708 Bluebell Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 708 Bluebell Lane* (MCAS Beaufort, 2013). The UST Assessment Report is provided in Appendix B.

## 2.1 UST Removal and Soil Sampling

On October 9, 2012, a single 280 gallon heating oil UST was removed from the rear patio area at 71 Bluebell Lane (Formerly 708 Bluebell Lane). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was





5'8" 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 71 Bluebell Lane (Formerly 708 Bluebell 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 71 Bluebell Lane (Formerly 708 Bluebell Lane). This NFA determination was obtained in a letter dated May 15, 2014. SCDHEC's NFA letter is provided in Appendix C.

#### 4.0 REFERENCES

Marine Corps Air Station Beaufort, 2013. South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 708

Bluebell Lane, Laurel Bay Military Housing Area, February 2013.

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





- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2015. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 3.0*, May 2015.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 3.1*, February 2016.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2017. *R.61-92, Part 280, Underground Storage Tank Control Regulations*, March 2017.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2018. *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, March 2018.

# **Table**



# Table 1 Laboratory Analytical Results - Soil 71 Bluebell Lane (Formerly 708 Bluebell Lane) Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

Constituent	SCDHEC RBSLs (1)	Results Sample Collected 10/09/12				
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 Anal	yzed 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:

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligram per kilogram

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

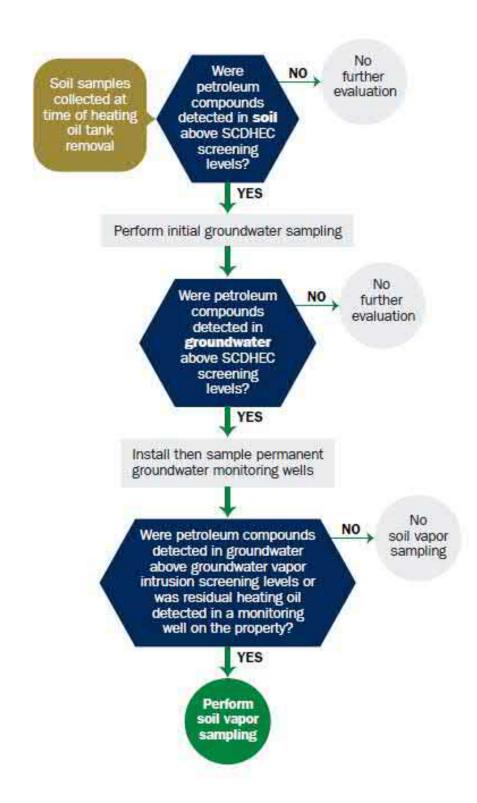
RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

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

# 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**



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

I. OWNERSHIP OF UST (S)

	mmanding Officer Attn: NI	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. #	<del>_</del>	
	ry Housing Area, Marine Corps	s Air Station, Beaufort, SC
Facility Name or Company	Site Identifier	
708 Bluebell Lane	e, Laurel Bay Military Housir	ng Area
Street Address or State Roa	id (as applicable)	
Beaufort,	Beaufort	
City	County	

Attachment 2

# III. INSURANCE INFORMATION

Insurance Statement
The petroleum release reported to DHEC on at Permit ID Number may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. This section must be completed.
Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? YES NO (check one)
If you answered YES to the above question, please complete the following information:
My policy provider is: The policy deductible is: The policy limit is:
If you have this type of insurance, please include a copy of the policy with this report.
IV. REQUEST FOR SUPERB FUNDING  I DO / DO NOT wish to participate in the SUPERB Program. (Circle one.)
V. CERTIFICATION (To be signed by the UST owner)
I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.
Name (Type or print.)
Signature
To be completed by Notary Public:
Sworn before me this day of, 20
(Name)
Notary Public for the state of  Please affix State seal if you are commissioned outside South Carolina

	VI. UST INFORMATION	708Bluebell
]	Product(ex. Gas, Kerosene)	Heating oil
	Capacity(ex. 1k, 2k)	280 gal
,	Age	Late 1950s
(	Construction Material(ex. Steel, FRP)	Steel
ľ	Month/Year of Last Use	Mid 1980s
	Depth (ft.) To Base of Tank	5'8"
	Spill Prevention Equipment Y/N	No
	Overfill Prevention Equipment Y/N	No
١.	Method of Closure Removed/Filled	Removed
Γ	Date Tanks Removed/Filled	10/9/2012
ĺ	Visible Corrosion or Pitting Y/N	Yes
•	Visible Holes Y/N	Yes
	Method of disposal for any USTs removed from the	• • • • • • • • • • • • • • • • • • • •
_	UST 708Bluebell was removed from to Subtitle "D" landfill. See Attachm	
		ment "A."

# VII. PIPING INFORMATION

	708Bluebell				
	Steel				
Construction Material(ex. Steel, FRP)	& Copper				
Distance from UST to Dispenser	N/A				
Number of Dispensers	N/A				
Type of System Pressure or Suction	Suction				
Was Piping Removed from the Ground? Y/N	No	-			
Visible Corrosion or Pitting Y/N	Yes				
Visible Holes Y/N	No				
Age	Late 1950s				
Age					
If any corrosion, pitting, or holes were observed.	describe the location an	d extent for ea	ch piping	z rui	
If any corrosion, pitting, or holes were observed,					
Corrosion and pitting were foun	d on the surface	of the s			
	d on the surface	of the s			
Corrosion and pitting were foun	d on the surface	of the s			
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# IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?  If yes, indicate depth and location on the site map.		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)?		Х	
D. Did contaminated soils remain stockpiled on site after closure?  If yes, indicate the stockpile location on the site map.  Name of DHEC representative authorizing soil removal:		Х	
E. Was a petroleum sheen or free product detected on any excavation or boring waters?		х	
If yes, indicate location and thickness.			

# X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.\_\_\_\_

	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA#
708 Bluebell	Excav at fill end	Soil	Sandy	5'8"	10/9/12 1430 hrs	P. Shaw	
			-				
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20				1: •			

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

# XI. SAMPLING METHODOLOGY

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

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

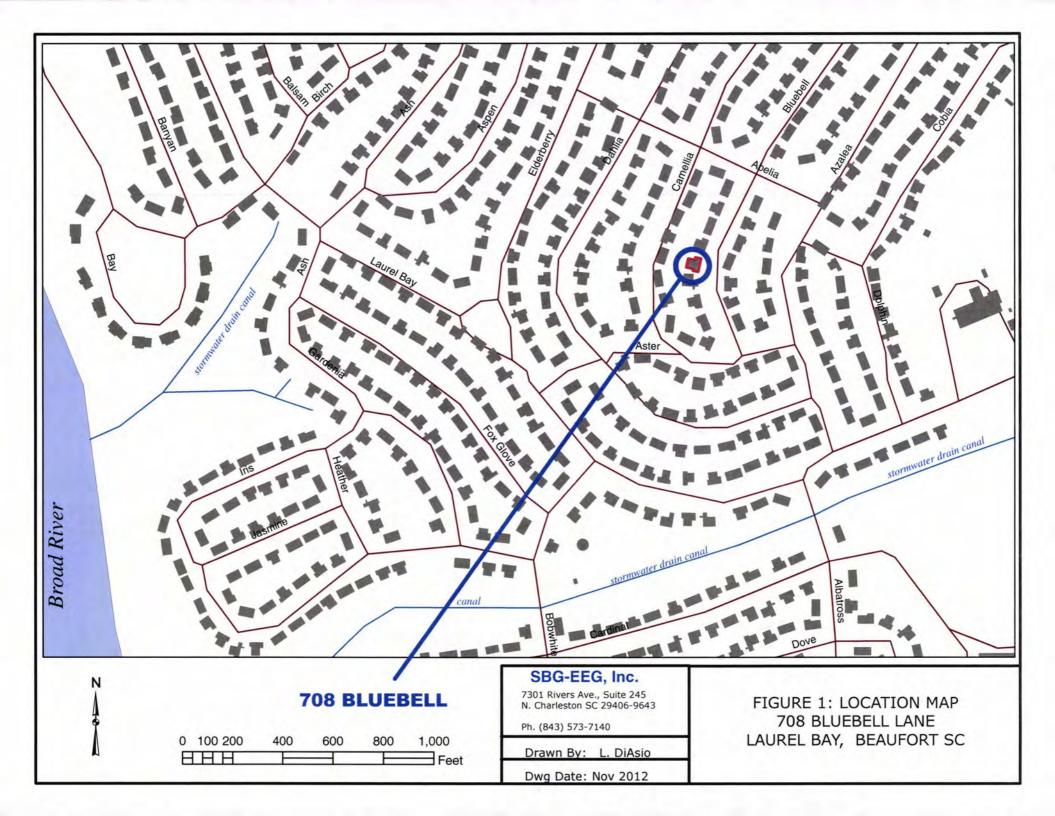
# XII. RECEPTORS

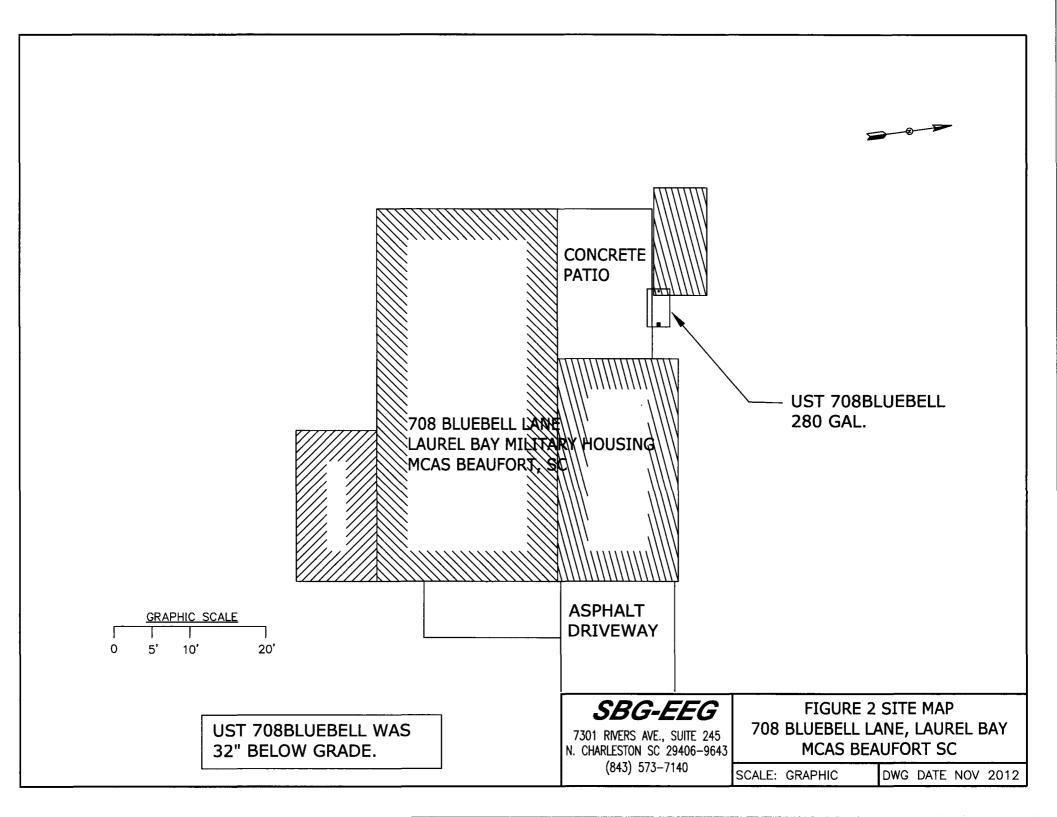
		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?		Х
	If yes, indicate type of receptor, distance, and direction on site map.		
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?		Х
	If yes, indicate 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, electri	*X	
	cable & fiber of If yes, indicate the type of utility, distance, and direction on the site map.	* .	ig
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.		

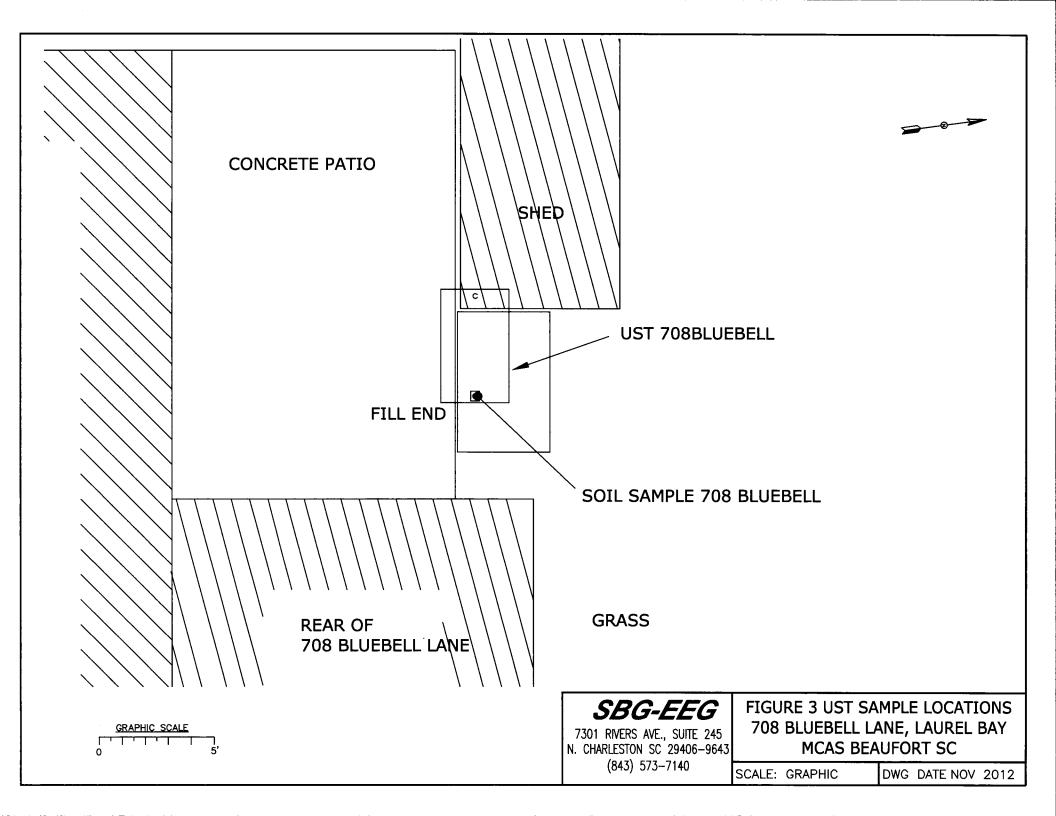
# XIII. SITE MAP

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 708Bluebell.



Picture 2: UST 708Bluebell tank pit.

# 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.

	E00D3 -1-11	T	Т	
CoC UST	708Bluebell	<u> </u>		
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			
TPH (EPA 3550)				
СоС				
Benzene				
Toluene				
Ethylbenzene				-
Xylenes				
Naphthalene				
Benzo (a) anthracene				
Benzo (b) fluoranthene				
Benzo (k) fluoranthene				
Chrysene				
Dibenz (a, h) anthracene				
TPH (EPA 3550)				

# **SUMMARY OF ANALYSIS RESULTS (cont'd)**

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

CoC	RBSL			14/ 0	
	(µg/l)	W-1	W-2	W -3	W -4
Free Product Thickness	None				
Benzene	5				
Toluene	1,000				
Ethylbenzene	700				
Xylenes	10,000				
Total BTEX	N/A				
MTBE	40				
Naphthalene	25				
Benzo (a) anthracene	10				
Benzo (b) flouranthene	10				
Benzo (k) flouranthene	10				
Chrysene	10				
Dibenz (a, h) anthracene	10				
EDB	.05				
1,2-DCA	5				
Lead	Site specific				

## XV. ANALYTICAL RESULTS

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

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



# <u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 490-9196-1

Client Project/Site: Laurel Bay Housing

For:

Environmental Enterprise Group 10179 Highway 78 Ladson, South Carolina 29456

Attn: Mr. Tom McElwee

Kuth Hay

Authorized for release by: 10/30/2012 1:12:50 PM

Ken Hayes Project Manager I

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: Environmental Enterprise Group Project/Site: Laurel Bay Housing

TestAmerica Job ID: 490-9196-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-9196-1	708 Bluebell	Solid	10/09/12 14:30	10/16/12 08:55
490-9196-2	1320 Albatross	Solid	10/10/12 15:45	10/16/12 08:55
490-9196-3	448 Elderberry	Solid	10/11/12 14:15	10/16/12 08:55

#### **Case Narrative**

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

TestAmerica Job ID: 490-9196-1

Job ID: 490-9196-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-9196-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/16/2012 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

#### GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 29417 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

#### GC/MS Semi VOA

No analytical or quality issues were noted.

#### **Organic Prep**

No analytical or quality issues were noted.

#### **VOA Prep**

No analytical or quality issues were noted.

# **Definitions/Glossary**

Client: Environmental Enterprise Group

Project/Site: Laurel Bay Housing

TestAmerica Job ID: 490-9196-1

## Qualifiers

#### GC/MS VOA

are not

#### GC/MS Semi VOA

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

# Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
Ċ.	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# **Client Sample Results**

Client: Environmental Enterprise Group

Project/Site: Laurel Bay Housing

TestAmerica Job ID: 490-9196-1

Client Sample ID: 708 Bluebell Lab Sample ID: 490-9196-1

Date Collected: 10/09/12 14:30 Date Received: 10/16/12 08:55

**Percent Solids** 

Matrix: Solid

Percent Solids: 87.6

Date Received: 10/16/12 08:55								Percent Soli	ds: 87.6
Method: 8260B - Volatile Orga									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00231	0.000773		Þ	10/16/12 15:29	10/18/12 21:00	1
Ethylbenzene	ND		0.00231	0.000773		Ø	10/16/12 15:29	10/18/12 21:00	1
Naphthalene	ND		0.00577	0.00196		Ø	10/16/12 15:29	10/18/12 21:00	1
Toluene	ND		0.00231	0.000853	mg/Kg	Φ.	10/16/12 15:29	10/18/12 21:00	1
Xylenes, Total	ND		0.00577	0.000773	mg/Kg	***	10/16/12 15:29	10/18/12 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130				10/16/12 15:29	10/18/12 21:00	
4-Bromofluorobenzene (Surr)	104		70 - 130				10/16/12 15:29	10/18/12 21:00	1
Dibromofluoromethane (Surr)	103		70 - 130				10/16/12 15:29	10/18/12 21:00	- 1
Toluene-d8 (Surr)	100		70 - 130				10/16/12 15:29	10/18/12 21:00	1
Method: 8270D - Semivolatile	Organic Compou	inds (GC/MS	3)						
Analyte	Charles and the Court of the Co	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0756	0.0113	mg/Kg	ø	10/17/12 08:50	10/18/12 21:54	
Acenaphthylene	ND		0.0756	0.0102	mg/Kg	Ф	10/17/12 08:50	10/18/12 21:54	- 1
Anthracene	ND		0.0756	0.0102	mg/Kg	10	10/17/12 08:50	10/18/12 21:54	- 8
Benzo[a]anthracene	ND		0.0756	-0.0169	mg/Kg	Ø	10/17/12 08:50	10/18/12 21:54	
Benzo[a]pyrene	ND		0.0756	0.0135	mg/Kg	Ø	10/17/12 08:50	10/18/12 21:54	
Benzo[b]fluoranthene	ND		0.0756	- 0.0135	mg/Kg	*	10/17/12 08:50	10/18/12 21:54	
Benzo[g,h,i]perylene	ND		0.0756	0.0102	mg/Kg	ø	10/17/12 08:50	10/18/12 21:54	31
Benzo[k]fluoranthene	ND		0.0756	0.0158	mg/Kg	408	10/17/12 08:50	10/18/12 21:54	5.5
1-Methylnaphthalene	ND		0.0756	0.0158	mg/Kg	Φ	10/17/12 08:50	10/18/12 21:54	-
Pyrene	ND		0.0756	0.0135	mg/Kg	ø	10/17/12 08:50	10/18/12 21:54	4
Phenanthrene	ND		0.0756	0.0102	mg/Kg	Ø	10/17/12 08:50	10/18/12 21:54	1
Chrysene	ND		0.0756	-0.0102		Ф	10/17/12 08:50	10/18/12 21:54	1
Dibenz(a,h)anthracene	ND		0.0756	- 0.00790	mg/Kg	٥	10/17/12 08:50	10/18/12 21:54	1
Fluoranthene	ND		0.0756	0.0102	mg/Kg	0	10/17/12 08:50	10/18/12 21:54	1
Fluorene	ND		0.0756	0.0135	mg/Kg	105	10/17/12 08:50	10/18/12 21:54	1
Indeno[1,2,3-cd]pyrene	ND		0.0756	0.0113	mg/Kg	0	10/17/12 08:50	10/18/12 21:54	1
Naphthalene	ND		0.0756	0.0102	mg/Kg	400	10/17/12 08:50	10/18/12 21:54	1
2-Methylnaphthalene	ND		0.0756	0.0180	mg/Kg	ø	10/17/12 08:50	10/18/12 21:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		29 - 120				10/17/12 08:50	10/18/12 21:54	1
Terphenyl-d14 (Surr)	87		13 - 120				10/17/12 08:50	10/18/12 21:54	1
Nitrobenzene-d5 (Surr)	65		27 - 120				10/17/12 08:50	10/18/12 21:54	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac

10/16/12 15:51

0.10

88

0.10 %

# **Client Sample Results**

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

TestAmerica Job ID: 490-9196-1

Client Sample ID: 1320 Albatross

Date Collected: 10/10/12 15:45 Date Received: 10/16/12 08:55 Lab Sample ID: 490-9196-2

Matrix: Solid

Percent Solids: 75.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00277	0.000927		*	10/16/12 15:29	10/18/12 21:31	
Ethylbenzene	ND		0.00277	0.000927	mg/Kg	0	10/16/12 15:29	10/18/12 21:31	
Naphthalene	ND		0.00692	0.00235		0	10/16/12 15:29	10/18/12 21:31	
Toluene	ND		0.00277	0.00102	mg/Kg	**	10/16/12 15:29	10/18/12 21:31	
Xylenes, Total	ND		0.00692	0.000927	0 0	*	10/16/12 15:29	10/18/12 21:31	
Aylonoo, Total	,,,,		0.00002	0.000021	mgmg		10/10/12 10:20	10/10/12 21.01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	108		70 - 130				10/16/12 15:29	10/18/12 21:31	
4-Bromofluorobenzene (Surr)	103		70 - 130				10/16/12 15:29	10/18/12 21:31	4.7
Dibromofluoromethane (Surr)	102		70 - 130				10/16/12 15:29	10/18/12 21:31	
Toluene-d8 (Surr)	98		70 - 130				10/16/12 15:29	10/18/12 21:31	
Method: 8270D - Semivolatile					11-14	_	D		D" -
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0867	0.0129	mg/Kg	*	10/17/12 08:50	10/18/12 22:14	
Acenaphthylene	ND		0.0867	0.0117	mg/Kg		10/17/12 08:50	10/18/12 22:14	
Anthracene	ND		0.0867	0.0117		**	10/17/12 08:50	10/18/12 22:14	
Benzo[a]anthracene	ND		0.0867	0.0194	mg/Kg	۵	10/17/12 08:50	10/18/12 22:14	
Benzo[a]pyrene	ND		0.0867	0.0155	mg/Kg	**	10/17/12 08:50	10/18/12 22:14	
Benzo[b]fluoranthene	ND		0.0867	0.0155	mg/Kg	0	10/17/12 08:50	10/18/12 22:14	
Benzo[g,h,i]perylene	ND		0.0867		mg/Kg	0	10/17/12 08:50	10/18/12 22:14	
Benzo[k]fluoranthene	ND		0.0867	0.0181	mg/Kg	**	10/17/12 08:50	10/18/12 22:14	
1-Methylnaphthalene	ND		0.0867	0.0181	mg/Kg	0	10/17/12 08:50	10/18/12 22:14	
Pyrene	ND		0.0867	0.0155	mg/Kg	*	10/17/12 08:50	10/18/12 22:14	
Phenanthrene	ND		0.0867	0.0117	mg/Kg	**	10/17/12 08:50	10/18/12 22:14	
Chrysene	ND		0.0867	0.0117	mg/Kg	0	10/17/12 08:50	10/18/12 22:14	
Dibenz(a,h)anthracene	ND		0.0867	0.00906	mg/Kg	0	10/17/12 08:50	10/18/12 22:14	
Fluoranthene	ND		0.0867	0.0117	mg/Kg	305	10/17/12 08:50	10/18/12 22:14	1
Fluorene	ND		0.0867	0.0155	mg/Kg	*	10/17/12 08:50	10/18/12 22:14	1
Indeno[1,2,3-cd]pyrene	ND		0.0867	0.0129	mg/Kg	0	10/17/12 08:50	10/18/12 22:14	1
Naphthalene	ND		0.0867	0.0117	mg/Kg	*	10/17/12 08:50	10/18/12 22:14	
2-Methylnaphthalene	ND		0.0867	0.0207	mg/Kg	*	10/17/12 08:50	10/18/12 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	56		29 - 120				10/17/12 08:50	10/18/12 22:14	1
Terphenyl-d14 (Surr)	81		13 - 120				10/17/12 08:50	10/18/12 22:14	1
Nitrobenzene-d5 (Surr)	56		27 - 120				10/17/12 08:50	10/18/12 22:14	1
Conoral Chamister									
General Chemistry Analyte	Result	Qualifier	RL	PI	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76	Quanner	0.10	0.10			riepaieu	10/16/12 15:51	Dii Fac

### **Client Sample Results**

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

TestAmerica Job ID: 490-9196-1

Client Sample ID: 448 Elderberry

Date Collected: 10/11/12 14:15 Date Received: 10/16/12 08:55

**Percent Solids** 

Lab Sample ID: 490-9196-3

Matrix: Solid

Percent Solids: 85.3

Date Received: 10/16/12 08:55								Percent Soli	ds: 85.3
Method: 8260B - Volatile Orga	nic Compounds	(GC/MS)							
Analyte	A SECURE A SECURITION OF SECUR	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.135	0.0460	mg/Kg	٥	10/16/12 15:24	10/19/12 00:06	1
Ethylbenzene	1.37		0.135	0.0460	mg/Kg	ø	10/16/12 15:24	10/19/12 00:06	1
Naphthalene	12.8		0.338	0.115	mg/Kg	305	10/16/12 15:24	10/19/12 14:21	1
Toluene	ND		0.135	0.0501	mg/Kg	ø	10/16/12 15:24	10/19/12 00:06	1
Xylenes, Total	4.51		0.338	0.0460	mg/Kg	Q	10/16/12 15:24	10/19/12 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 130				10/16/12 15:24	10/19/12 00:06	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 130				10/16/12 15:24	10/19/12 14:21	1
4-Bromofluorobenzene (Surr)	98		70 - 130				10/16/12 15:24	10/19/12 00:06	1
4-Bromofluorobenzene (Surr)	92		70 - 130				10/16/12 15:24	10/19/12 14:21	1
Dibromofluoromethane (Surr)	94		70 - 130				10/16/12 15:24	10/19/12 00:06	1
Dibromofluoromethane (Surr)	96		70 - 130				10/16/12 15:24	10/19/12 14:21	1
Toluene-d8 (Surr)	100		70 - 130				10/16/12 15:24	10/19/12 00:06	1
Toluene-d8 (Surr)	98		70 - 130				10/16/12 15:24	10/19/12 14:21	1
Method: 8270D - Semivolatile	Organic Compou	inds (GC/M	S)						
Analyte	The state of the s	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.08		0.0782	0.0117	mg/Kg	O	10/17/12 08:50	10/18/12 22:35	1
Acenaphthylene	0.373		0.0782	0.0105	mg/Kg	0	10/17/12 08:50	10/18/12 22:35	1
Anthracene	0.266		0.0782	0.0105	mg/Kg	0	10/17/12 08:50	10/18/12 22:35	1
Benzo[a]anthracene	0.322		0.0782	0.0175	mg/Kg	0	10/17/12 08:50	10/18/12 22:35	1
Benzo[a]pyrene	0.267		0.0782	0.0140	mg/Kg	٥	10/17/12 08:50	10/18/12 22:35	1
Benzo[b]fluoranthene	0.343		0.0782	0.0140	mg/Kg	40	10/17/12 08:50	10/18/12 22:35	1
Benzo[g,h,i]perylene	0.111		0.0782	0.0105	mg/Kg	O	10/17/12 08:50	10/18/12 22:35	1
Benzo[k]fluoranthene	0.158		0.0782	0.0163	mg/Kg	0	10/17/12 08:50	10/18/12 22:35	1
1-Methylnaphthalene	13.3		0.782	0.163	mg/Kg	0	10/17/12 08:50	10/19/12 16:25	10
Pyrene	1.03		0.0782	0.0140	mg/Kg	ø	10/17/12 08:50	10/18/12 22:35	1
Phenanthrene	2.98		0.0782	0.0105	mg/Kg	40	10/17/12 08:50	10/18/12 22:35	1
Chrysene	0.498		0.0782	0.0105	mg/Kg	0	10/17/12 08:50	10/18/12 22:35	1
Dibenz(a,h)anthracene	0.0399	J	0.0782	0.00817	mg/Kg	O	10/17/12 08:50	10/18/12 22:35	1
Fluoranthene	0.330		0.0782	0.0105	mg/Kg	Ø	10/17/12 08:50	10/18/12 22:35	1
Fluorene	1.48		0.0782	0.0140	mg/Kg	32	10/17/12 08:50	10/18/12 22:35	1
Indeno[1,2,3-cd]pyrene	0.110		0.0782	0.0117	mg/Kg	*	10/17/12 08:50	10/18/12 22:35	1
Naphthalene	2.19		0.0782	0.0105	mg/Kg	Ø	10/17/12 08:50	10/18/12 22:35	1
2-Methylnaphthalene	21.9		0.782	0.187	mg/Kg	٥	10/17/12 08:50	10/19/12 16:25	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		29 - 120				10/17/12 08:50	10/18/12 22:35	1
Terphenyl-d14 (Surr)	102		13 - 120				10/17/12 08:50	10/18/12 22:35	1
Nitrobenzene-d5 (Surr)	60		27 - 120				10/17/12 08:50	10/18/12 22:35	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac

10/16/12 15:51

0.10

0.10 %

85

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

TestAmerica Job ID: 490-9196-1

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

Lab Sample ID: MB 490-29114/7

Matrix: Solid

Analysis Batch: 29114

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0335	mg/Kg			10/18/12 15:33	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			10/18/12 15:33	1
Naphthalene	ND		0.250	0.0850	mg/Kg			10/18/12 15:33	1
Toluene	ND		0.100	0.0370	mg/Kg			10/18/12 15:33	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			10/18/12 15:33	1
	МР	MD							

Surrogate Qualifier Limits Prepared Analyzed Dil Fac %Recovery 70 - 130 1,2-Dichloroethane-d4 (Surr) 10/18/12 15:33 99 70 - 130 10/18/12 15:33 4-Bromofluorobenzene (Surr) 104 Dibromofluoromethane (Surr) 98 70 - 130 10/18/12 15:33 Toluene-d8 (Surr) 99 70 - 130 10/18/12 15:33

Lab Sample ID: MB 490-29114/8

Matrix: Solid

Analysis Batch: 29114

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			10/18/12 16:04	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			10/18/12 16:04	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			10/18/12 16:04	1
Toluene	ND		0.00200	0.000740	mg/Kg			10/18/12 16:04	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			10/18/12 16:04	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		10/18/12 16:04	1
4-Bromofluorobenzene (Surr)	108		70 - 130		10/18/12 16:04	1
Dibromofluoromethane (Surr)	101		70 - 130		10/18/12 16:04	1
Toluene-d8 (Surr)	100		70 - 130		10/18/12 16:04	1

Lab Sample ID: LCS 490-29114/3

Matrix: Solid

Analysis Batch: 29114

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

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.05578		mg/Kg		112	75 - 127
Ethylbenzene	0.0500	0.05079		mg/Kg		102	80 - 134
Naphthalene	0.0500	0.05172		mg/Kg		103	69 - 150
Toluene	0.0500	0.05666		mg/Kg		113	80 - 132
Xylenes, Total	0.150	0.1513		mg/Kg		101	80 - 137

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
Toluene-d8 (Surr)	104		70 - 130

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

TestAmerica Job ID: 490-9196-1

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

Lab Sample ID: LCSD 490-29114/4

Matrix: Solid

Analysis Batch: 29114

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

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.05550		mg/Kg		111	75 - 127	1	50
Ethylbenzene	0.0500	0.04971		mg/Kg		99	80 - 134	2	50
Naphthalene	0.0500	0.05529		mg/Kg		111	69 - 150	7	50
Toluene	0.0500	0.05598		mg/Kg		112	80 - 132	1	50
Xylenes, Total	0.150	0.1486		mg/Kg		99	80 - 137	2	50

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1,2-Dichloroethane-d4 (Surr) 102 70 - 130 4-Bromofluorobenzene (Surr) 100 70 - 130 Dibromofluoromethane (Surr) 93 102 70 - 130 Toluene-d8 (Surr)

Lab Sample ID: 490-9335-F-2-D MS

Matrix: Solid

Analysis Batch: 29114

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Prep Batch: 29284

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	ND		0.0500	0.04077		mg/Kg		82	31 - 143	
Ethylbenzene	ND		0.0500	0.02895		mg/Kg		58	23 - 161	
Naphthalene	ND		0.0500	0.02234		mg/Kg		45	10 - 176	
Toluene	ND		0.0500	0.03706		mg/Kg		74	30 - 155	
Xylenes, Total	ND		0.150	0.08336		mg/Kg		56	25 - 162	

 MS
 MS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 94
 70 - 130

 4-Bromofluorobenzene (Surr)
 103
 70 - 130

 Dibromofluoromethane (Surr)
 99
 70 - 130

 Toluene-d8 (Surr)
 99
 70 - 130

Lab Sample ID: 490-9335-F-2-E MSD

Matrix: Solid

Analysis Batch: 29114

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29284

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		0.0464	0.03604		mg/Kg		78	31 - 143	12	50
Ethylbenzene	ND		0.0464	0.02511		mg/Kg		54	23 - 161	14	50
Naphthalene	ND		0.0464	0.01393		mg/Kg		30	10 - 176	46	50
Toluene	ND		0.0464	0.03200		mg/Kg		69	30 - 155	15	50
Xylenes, Total	ND		0.139	0.07063		mg/Kg		51	25 - 162	17	50

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	99		70 - 130

TestAmerica Job ID: 490-9196-1

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

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

Lab Sample ID: MB 490-29417/6

Matrix: Solid

Analysis Batch: 29417

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

MB MB MDL Unit D Prepared Analyzed Dil Fac Analyte Result Qualifier RL ND 0.100 0.0340 mg/Kg 10/19/12 13:19 Benzene ND 0.100 0.0340 mg/Kg 10/19/12 13:19 Ethylbenzene Naphthalene ND 0.250 0.0850 mg/Kg 10/19/12 13:19 Toluene ND 0.100 0.0370 mg/Kg 10/19/12 13:19 Xylenes, Total ND 0.250 0.0340 mg/Kg 10/19/12 13:19

MR MR

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91	70 - 130		10/19/12 13:19	1
4-Bromofluorobenzene (Surr)	100	70 - 130		10/19/12 13:19	1
Dibromofluoromethane (Surr)	100	70 - 130		10/19/12 13:19	1
Toluene-d8 (Surr)	98	70 - 130		10/19/12 13:19	1

Lab Sample ID: LCS 490-29417/3

Matrix: Solid

Analysis Batch: 29417

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

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits 75 - 127 Benzene 0.0500 0.04863 mg/Kg 97 0.0500 0.04623 80 - 134 Ethylbenzene mg/Kg 92 0.0500 0.05062 69 - 150 Naphthalene mg/Kg 101 0.0500 0.04986 mg/Kg 100 80 - 132 Toluene 0.150 0.1376 mg/Kg 80 - 137 Xylenes, Total

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 490-29417/4

Matrix: Solid

Analysis Batch: 29417

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Result Qualifier		D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.05026		mg/Kg		101	75 - 127	3	50
Ethylbenzene	0.0500	0.04735		mg/Kg		95	80 - 134	2	50
Naphthalene	0.0500	0.05036		mg/Kg		101	69 - 150	1	50
Toluene	0.0500	0.05251		mg/Kg		105	80 - 132	5	50
Xylenes, Total	0.150	0.1414		mg/Kg		94	80 - 137	3	50

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	100		70 - 130

TestAmerica Job ID: 490-9196-1

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

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

Lab Sample ID: 490-9437-A-12-D MS

Matrix: Solid

Analysis Batch: 29417

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29483

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.397		0.0500	0.3142	E 4	mg/Kg		-166	31 - 143	
Ethylbenzene	0.255		0.0500	0.1929	4	mg/Kg		-125	23 - 161	
Naphthalene	0.180		0.0500	0.1633	F	mg/Kg		-34	10 - 176	
Toluene	0.959		0.0500	0.7672	E 4	mg/Kg		-385	30 - 155	
Xylenes, Total	1.06		0.150	0.8216	4	mg/Kg		-158	25 - 162	

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: 490-9437-A-12-E MSD

Matrix: Solid

Analysis Batch: 29417

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29483

	Sample	Sample	Sample Spike MSD MSD		%Rec.		RPD				
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.397		0.0461	0.2459	E 4	mg/Kg		-328	31 - 143	24	50
Ethylbenzene	0.255		0.0461	0.1736	4	mg/Kg		-177	23 - 161	11	50
Naphthalene	0.180		0.0461	0.1673	F	mg/Kg		-28	10 - 176	2	50
Toluene	0.959		0.0461	0.6573	E 4	mg/Kg		-655	30 - 155	15	50
Xylenes, Total	1.06		0.138	0.7512	4	mg/Kg		-222	25 - 162	9	50

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	100		70 - 130

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

Lab Sample ID: MB 490-28688/1-A

Matrix: Solid

Analysis Batch: 29023

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 28688

Analysis Baton. 20020	мв	мв						Trop Dutor	20000
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Anthracene	ND		0.0670	0.00900	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Pyrene	ND		0.0670	0.0120	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Chrysene	ND		0.0670	0.00900	mg/Kg		10/17/12 08:50	10/18/12 13:19	- 1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		10/17/12 08:50	10/18/12 13:19	1

TestAmerica Nashville 10/30/2012

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing TestAmerica Job ID: 490-9196-1

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

Lab Sample ID: MB 490-28688/1-A

Matrix: Solid

Analysis Batch: 29023

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

Prep Batch: 28688

	MP	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.0670	0.00900	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Fluorene	ND		0.0670	0.0120	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		10/17/12 08:50	10/18/12 13:19	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		10/17/12 08:50	10/18/12 13:19	1

MB MB

%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
58	29 - 120	10/17/12 08:50	10/18/12 13:19	1
77	13 - 120	10/17/12 08:50	10/18/12 13:19	1
56	27 - 120	10/17/12 08:50	10/18/12 13:19	1
	%Recovery Qualifier 58 77	%Recovery         Qualifier         Limits           58         29 - 120           77         13 - 120	%Recovery         Qualifier         Limits         Prepared           58         29 - 120         10/17/12 08:50           77         13 - 120         10/17/12 08:50	%Recovery         Qualifier         Limits         Prepared         Analyzed           58         29 - 120         10/17/12 08:50         10/18/12 13:19           77         13 - 120         10/17/12 08:50         10/18/12 13:19

Lab Sample ID: LCS 490-28688/2-A

Matrix: Solid

Analysis Batch: 29023

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

Prep Batch: 28688

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acenaphthylene	1.67	1.288		mg/Kg		77	38 - 120	
Anthracene	1.67	1.337		mg/Kg		80	46 - 124	
Benzo[a]anthracene	1.67	1.384		mg/Kg		83	45 - 120	
Benzo[a]pyrene	1.67	1.440		mg/Kg		86	45 - 120	
Benzo[b]fluoranthene	1.67	1.358		mg/Kg		82	42 - 120	
Benzo[g,h,i]perylene	1.67	1,279		mg/Kg		77	38 - 120	
Benzo[k]fluoranthene	1.67	1.441		mg/Kg		86	42 - 120	
1-Methylnaphthalene	1.67	1.203		mg/Kg		72	32 - 120	
Pyrene	1.67	1.301		mg/Kg		78	43 - 120	
Phenanthrene	1.67	1.336		mg/Kg		80	45 - 120	
Chrysene	1.67	1.357		mg/Kg		81	43 - 120	
Dibenz(a,h)anthracene	1.67	1.165		mg/Kg		70	32 - 128	
Fluoranthene	1.67	1.364		mg/Kg		82	46 - 120	
Fluorene	1.67	1.341		mg/Kg		80	42 - 120	
Indeno[1,2,3-cd]pyrene	1.67	1.273		mg/Kg		76	41 - 121	
Naphthalene	1.67	1.330		mg/Kg		80	32 - 120	
2-Methylnaphthalene	1.67	1.233		mg/Kg		74	28 - 120	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	57		29 - 120
Terphenyl-d14 (Surr)	75		13 - 120
Nitrobenzene-d5 (Surr)	58		27 - 120

Lab Sample ID: LCSD 490-28688/13-A

Matrix: Solid

Analysis Batch: 29023

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28688

The state of the s									
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthylene	1.67	1.395		mg/Kg		84	38 - 120	8	50
Anthracene	1.67	1.397		mg/Kg		84	46 - 124	4	49
Benzo[a]anthracene	1.67	1.419		mg/Kg		85	45 - 120	3	50
Benzo[a]pyrene	1.67	1.508		mg/Kg		91	45 - 120	5	50
Benzo[b]fluoranthene	1.67	1.421		mg/Kg		85	42 - 120	4	50

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

TestAmerica Job ID: 490-9196-1

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

Lab Sample ID: LCSD 490-28688/13-A

Matrix: Solid

Analysis Batch: 29023

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

Drop Databy 2000

Prep Batch: 28688

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzo[g,h,i]perylene	1.67	1.375		mg/Kg		82	38 - 120	7	50
Benzo[k]fluoranthene	1.67	1.534		mg/Kg		92	42 - 120	6	45
1-Methylnaphthalene	1.67	1.332		mg/Kg		80	32 - 120	10	50
Pyrene	1.67	1.377		mg/Kg		83	43 - 120	6	50
Phenanthrene	1.67	1.374		mg/Kg		82	45 - 120	3	50
Chrysene	1.67	1.390		mg/Kg		83	43 - 120	2	49
Dibenz(a,h)anthracene	1.67	1.255		mg/Kg		75	32 - 128	7	50
Fluoranthene	1.67	1.458		mg/Kg		87	46 - 120	7	50
Fluorene	1.67	1.473		mg/Kg		88	42 - 120	9	50
Indeno[1,2,3-cd]pyrene	1.67	1.336		mg/Kg		80	41 - 121	5	50
Naphthalene	1.67	1.419		mg/Kg		85	32 - 120	6	50
2-Methylnaphthalene	1.67	1.321		mg/Kg		79	28 - 120	7	50

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	62		29 - 120
Terphenyl-d14 (Surr)	77		13 - 120
Nitrobenzene-d5 (Surr)	64		27 - 120

Lab Sample ID: 490-9205-H-1-B MS

Matrix: Solid

Analysis Batch: 29023

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Prep Batch: 28688

Control of the contro	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acenaphthylene	ND		1.78	1.329		mg/Kg	ø	75	25 - 120	
Anthracene	.ND		1.78	1.330		mg/Kg	-05	75	28 - 125	
Benzo[a]anthracene	ND		1.78	1.350		mg/Kg	-0.	76	23 - 120	
Benzo[a]pyrene	ND		1.78	1.418		mg/Kg	10	80	15 - 128	
Benzo[b]fluoranthene	ND		1.78	1.400		mg/Kg	0	79	12 - 133	
Benzo[g,h,i]perylene	ND		1.78	1.153		mg/Kg	-05	65	22 - 120	
Benzo[k]fluoranthene	ND		1.78	1.479		mg/Kg	*	83	28 - 120	
1-Methylnaphthalene	0.232		1.78	1.600		mg/Kg	0	77	10 - 120	
Pyrene	ND		1.78	1.457		mg/Kg	**	82	20 - 123	
Phenanthrene	ND		1.78	1.350		mg/Kg	章	76	21 - 122	
Chrysene	ND		1.78	1.291		mg/Kg	42	72	20 - 120	
Dibenz(a,h)anthracene	ND		1.78	1.030		mg/Kg	0	58	12 - 128	
Fluoranthene	ND		1.78	1.422		mg/Kg	400	80	10 - 143	
Fluorene	ND		1.78	1.429		mg/Kg	305	80	20 - 120	
Indeno[1,2,3-cd]pyrene	ND		1.78	1.142		mg/Kg	\$	64	22 - 121	
Naphthalene	0.0709	J	1.78	1.520		mg/Kg	***	81	10 - 120	
2-Methylnaphthalene	0.349		1.78	1.808		mg/Kg	Ф	82	13 - 120	

IS MS

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	56		29 - 120
Terphenyl-d14 (Surr)	73		13 - 120
Nitrobenzene-d5 (Surr)	59		27 - 120

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

TestAmerica Job ID: 490-9196-1

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

Lab Sample ID: 490-9205-H-1-C MSD

Matrix: Solid

Analysis Batch: 29023

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28688

Analysis Buton. 20020	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	is completely a	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthylene	ND		1.79	1.437	garage and the same	mg/Kg	ø	80	25 - 120	8	50
Anthracene	ND		1.79	1.405		mg/Kg		78	28 - 125	6	49
Benzo[a]anthracene	ND		1.79	1.449		mg/Kg	Ø	81	23 - 120	7	50
Benzo[a]pyrene	ND		1.79	1.594		mg/Kg	0	89	15 - 128	12	50
Benzo[b]fluoranthene	ND		1.79	1.704		mg/Kg	0	95	12 - 133	20	50
Benzo[g,h,i]perylene	ND		1.79	1.297		mg/Kg	Ď.	72	22 - 120	12	50
Benzo[k]fluoranthene	ND		1.79	1.509		mg/Kg	0	84	28 - 120	2	45
1-Methylnaphthalene	0.232		1.79	1.605		mg/Kg	٥	77	10 - 120	0	50
Pyrene	ND		1.79	1.604		mg/Kg	0	90	20 - 123	10	50
Phenanthrene	ND		1.79	1.497		mg/Kg	0	84	21 - 122	10	50
Chrysene	ND		1.79	1.393		mg/Kg	0	78	20 - 120	8	49
Dibenz(a,h)anthracene	ND		1.79	1.130		mg/Kg	0	63	12 - 128	9	50
Fluoranthene	ND		1.79	1.574		mg/Kg	O	88	10 - 143	10	50
Fluorene	ND		1.79	1.548		mg/Kg	ø	86	20 - 120	8	50
Indeno[1,2,3-cd]pyrene	ND		1.79	1.254		mg/Kg	٥	70	22 - 121	9	50
Naphthalene	0.0709	J	1.79	1.639		mg/Kg	0	88	10 - 120	8	50
2-Methylnaphthalene	0.349		1.79	1.801		mg/Kg	0	81	13 - 120	0	50

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	58		29 - 120
Terphenyl-d14 (Surr)	69		13 - 120
Nitrobenzene-d5 (Surr)	60		27 - 120

#### Method: Moisture - Percent Moisture

Lab Sample ID: 490-9196-1 DU

Matrix: Solid

Client	Sample	ID:	708	Bluebel	I
	Dave	-		T-4-1/61	

Analysis Batch: 28594								
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Solids	88		88		%		0.1	20

## **QC Association Summary**

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

TestAmerica Job ID: 490-9196-1

### GC/MS VOA

Prep	Batch:	28571
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-3	448 Elderberry	Total/NA	Solid	5035	

#### Prep Batch: 28583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-1	708 Bluebell	Total/NA	Solid	5035	
490-9196-2	1320 Albatross	Total/NA	Solid	5035	

### Analysis Batch: 29114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-1	708 Bluebell	Total/NA	Solid	8260B	28583
490-9196-2	1320 Albatross	Total/NA	Solid	8260B	28583
490-9196-3	448 Elderberry	Total/NA	Solid	8260B	28571
490-9335-F-2-D MS	Matrix Spike	Total/NA	Solid	8260B	29284
490-9335-F-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	29284
LCS 490-29114/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-29114/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-29114/7	Method Blank	Total/NA	Solid	8260B	
MB 490-29114/8	Method Blank	Total/NA	Solid	8260B	

#### Prep Batch: 29284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9335-F-2-D MS	Matrix Spike	Total/NA	Solid	5035	
490-9335-F-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

### Analysis Batch: 29417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-3	448 Elderberry	Total/NA	Solid	8260B	28571
490-9437-A-12-D MS	Matrix Spike	Total/NA	Solid	8260B	29483
490-9437-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	29483
LCS 490-29417/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-29417/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-29417/6	Method Blank	Total/NA	Solid	8260B	

### Prep Batch: 29483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9437-A-12-D MS	Matrix Spike	Total/NA	Solid	5035	
490-9437-A-12-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

### GC/MS Semi VOA

#### Prep Batch: 28688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-1	708 Bluebell	Total/NA	Solid	3550C	
490-9196-2	1320 Albatross	Total/NA	Solid	3550C	
490-9196-3	448 Elderberry	Total/NA	Solid	3550C	
490-9205-H-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-9205-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 490-28688/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-28688/13-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
MB 490-28688/1-A	Method Blank	Total/NA	Solid	3550C	

### **QC Association Summary**

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

TestAmerica Job ID: 490-9196-1

### GC/MS Semi VOA (Continued)

#### Analysis Batch: 29023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-1	708 Bluebell	Total/NA	Solid	8270D	28688
490-9196-2	1320 Albatross	Total/NA	Solid	8270D	28688
490-9196-3	448 Elderberry	Total/NA	Solid	8270D	28688
490-9205-H-1-B MS	Matrix Spike	Total/NA	Solid	8270D	28688
490-9205-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	28688
LCS 490-28688/2-A	Lab Control Sample	Total/NA	Solid	8270D	28688
LCSD 490-28688/13-A	Lab Control Sample Dup	Total/NA	Solid	8270D	28688
MB 490-28688/1-A	Method Blank	Total/NA	Solid	8270D	28688

#### Analysis Batch: 29435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-3	448 Elderberry	Total/NA	Solid	8270D	28688

### **General Chemistry**

### Analysis Batch: 28594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-9196-1	708 Bluebell	Total/NA	Solid	Moisture	
490-9196-1 DU	708 Bluebell	Total/NA	Solid	Moisture	
490-9196-2	1320 Albatross	Total/NA	Solid	Moisture	
490-9196-3	448 Elderberry	Total/NA	Solid	Moisture	

#### Lab Chronicle

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing TestAmerica Job ID: 490-9196-1

Client Sample ID: 708 Bluebell

Date Collected: 10/09/12 14:30 Date Received: 10/16/12 08:55 Lab Sample ID: 490-9196-1

Matrix: Solid

Percent Solids: 87.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28583	10/16/12 15:29	ML	TAL NSH
Total/NA	Analysis	8260B		1	29114	10/18/12 21:00	МН	TAL NSH
Total/NA	Prep	3550C			28688	10/17/12 08:50	AK	TAL NSH
Total/NA	Analysis	8270D		1	29023	10/18/12 21:54	WS	TAL NSH
Total/NA	Analysis	Moisture		1	28594	10/16/12 15:51	RS	TAL NSH

Client Sample ID: 1320 Albatross

Date Collected: 10/10/12 15:45

Date Received: 10/16/12 08:55

Lab Sample ID: 490-9196-2

Matrix: Solid

Percent Solids: 75.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28583	10/16/12 15:29	ML	TAL NSH
Total/NA	Analysis	8260B		1	29114	10/18/12 21:31	мн	TAL NSH
Total/NA	Prep	3550C			28688	10/17/12 08:50	AK	TAL NSH
Total/NA	Analysis	8270D		1	29023	10/18/12 22:14	WS	TAL NSH
Total/NA	Analysis	Moisture		1	28594	10/16/12 15:51	RS	TAL NSH

Client Sample ID: 448 Elderberry

Date Collected: 10/11/12 14:15

Date Received: 10/16/12 08:55

Lab Sample ID: 490-9196-3

Matrix: Solid

Percent Solids: 85.3

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			28571	10/16/12 15:24	ML	TAL NSH
Total/NA	Analysis	8260B		1	29114	10/19/12 00:06	МН	TAL NSH
Total/NA	Analysis	8260B		1	29417	10/19/12 14:21	мн	TAL NSH
Total/NA	Prep	3550C			28688	10/17/12 08:50	AK	TAL NSH
Total/NA	Analysis	8270D		1	29023	10/18/12 22:35	ws	TAL NSH
Total/NA	Analysis	8270D		10	29435	10/19/12 16:25	ws	TAL NSH
Total/NA	Analysis	Moisture		1	28594	10/16/12 15:51	RS	TAL NSH

#### Laboratory References:

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

### **Method Summary**

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

TestAmerica Job ID: 490-9196-1

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

#### **Protocol References:**

EPA = US Environmental Protection Agency

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

#### **Laboratory References:**

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

### **Certification Summary**

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

TestAmerica Job ID: 490-9196-1

### Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Regio	n Certification ID	<b>Expiration Date</b>
	ACIL		393	10-30-12
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAC	9	1168CA	10-31-12
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Colorado	State Program	8	N/A	02-28-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAC	4	E87358	06-30-13
Illinois	NELAC	5	200010	12-09-12
Iowa	State Program	7	131	05-01-14
Kansas	NELAC	7	E-10229	10-31-12
Kentucky	State Program	4	90038	12-31-12
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAC	6	LA120025	12-31-12
Louisiana	NELAC	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAC	5	047-999-345	12-31-12
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAC	1	2963	10-09-13
New Jersey	NELAC	2	TN965	06-30-13
New York	NELAC	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-12
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAC	10	TN200001	04-30-13
Pennsylvania	NELAC	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-12
South Carolina	State Program	4	84009 (001)	02-28-13
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAC	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAC	8	TAN	06-30-13
Virginia	NELAC	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-13
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13



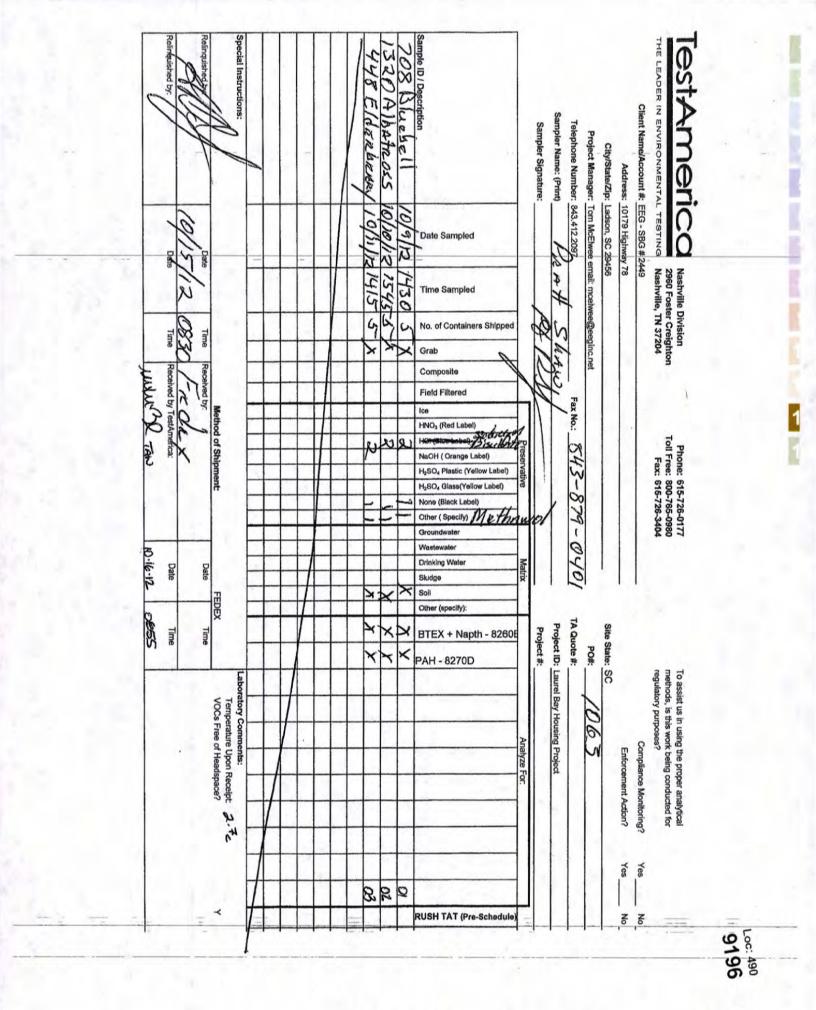
THE LEADER IN ENVIRONMENTAL TESTING Nashville, TN

### COOLER RECEIPT FORM

Charleston

Cooler Received/Opened On 10/16/2012 @ 0855

(273C	ou-9 196 Chain of
1. Tracking # 6 / 55 (last 4 digits, FedEx)	~~
Courier: Fed-ex IR Gun ID_95610068	
2. Temperature of rep. sample or temp blank when opened: 7-1 Degrees Celsius	•
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen	n? YES NO. (.NA)
4. Were custody seals on outside of cooler?	YESNONA
If yes, how many and where: IF-on I Back	
5. Were the seals intact, signed, and dated correctly?	YES NO NA
6. Were custody papers inside cooler?	YES NO NA
I certify that I opened the cooler and answered questions 1-6 (intial)	Co
7. Were custody seals on containers: YES and Intact	YESNO
Were these signed and dated correctly?	YESNONA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Pa	per Other None
9. Cooling process: Ce Ice-pack Ice (direct contact) Dry i	ce Other None
10. Did all containers arrive in good condition (unbroken)?	ES)NONA
11. Were all container labels complete (#, date, signed, pres., etc)?	ESNONA
12. Did all container labels and tags agree with custody papers?	ESNONA
13a. Were VOA vials received?	ES NONA
b. Was there any observable headspace present in any VOA vial?	YESNO.
14. Was there a Trip Blank in this cooler? YESNO. (A) If multiple coolers, seque	ence #
I certify that I unloaded the cooler and answered questions 7-14 (Intial)	(W)
15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH leve	17 YESNO
b. Did the bottle labels indicate that the correct preservatives were used	ES.NONA
16. Was residual chlorine present?	YESNO
I 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)?	ESNONA
18. Did you sign the custody papers in the appropriate place?	ES)NONA
19. Were correct containers used for the analysis requested?	E9NONA
20. Was sufficient amount of sample sent in each container?	ESNONA
I certify that I entered this project into LIMS and answered questions 17-20 (intial)	@



### **Login Sample Receipt Checklist**

Client: Environmental Enterprise Group

Job Number: 490-9196-1

SDG Number:

List Source: TestAmerica Nashville

Login Number: 9196 List Number: 1

Creator: McBride, Mike

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

### ATTACHMENT A



# **NON-HAZARDOUS MANIFEST**

	1. Generator	r's US EPA	A ID No.	Manifest Doc	No.	2. Page 1	of					
	NON-HAZARDOUS MANIFEŠT											
	2 Comments Mailling Address	<del>-</del>					est Number	T		•		
	3. Generator's Mailing Address: MCAS, BEAUFORT	Gene	Generator's Site Address (If different than mailing):			1						
		•			W	MNA	0031					
	LAUREL BAY HOUSING						B. State (	Generator's	s ID			
	BEAUFORT, SC 29907											
	4. Generator's Phone 843-228-6461  5. Transporter 1 Company Name		6. US EP	6. US EPA ID Number								
	5. Transporter I Company Name		6. US EP	A ID Nullibel		C. State Transporter's ID						
	EEG, INC.			8. US EPA ID Number				D. Transporter's Phone 843-879-0411				
	7. Transporter 2 Company Name		8. US EP									
	7. Hansporter 2 company runte		0. 03 27	o. OS EFA 1D Nullibel			E. State Transporter's ID					
								F. Transporter's Phone				
	9. Designated Facility Name and Site Address	Designated Facility Name and Site Address 10. US EPA										
	HICKORY HILL LANDFILL							G. State Facility ID				
	2621 LOW COUNTRY ROAD					H. State Facility Phone 843-987-4643						
	RIDGELAND, SC 29936											
	022											
	11. Description of Waste Materials		4		ntainers	13. Total	14. Unit	I. Misc. Comments				
G E				No.	Type	Quantity	Wt./Vol.		- Isc. comme			
N	a. HEATING OIL TANKS FILLED WITH SAND	)										
E				7 4 6 6 6 6 6 6					1, 2,24			
R	WM Profile # 10265	55C		1000		<u> 44   2004 (47</u>						
A T	b.				,							
0												
R	WM Profile #				- System							
-	c.											
	WM Profile #											
	d.									l		
-	WM Profile #							U. 14.6 min				
ı	J. Additional Descriptions for Materials Listed Abo	ve	<del></del>	K. Disposal Location			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
								_				
1				Cell				Level				
				Grid				. —	t			
	15. Special Handling Instructions and Additional Info	ormation	2) 704	Blue	be 11	4) (	351	MRC	LINA	1		
	SUBJECT TOEM		)		1	$(-5)^{-7}$	370 BI	url	sell			
	D 508 LAUREL B	14-1	<u>-                                    </u>	Dolf	Jr. , 1	671	320 1	Albe	HRO	55		
	Purchase Order #	. /	EMERGENCY	CONTACT / PH	ONE NO.:							
	16. GENERATOR'S CERTIFICATE:											
	I hereby certify that the above-described materials a							ve been fu	lly and			
	accurately described, classified and packaged and are	e in prope			rding to app	licable regu	ations.	_				
	Printed Name		Signature "On be	half of		1 m = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Month	Day	Year		
_	17. 7				0			1, 1	72			
R	17. Transporter 1 Acknowledge nent/of Receipt of M	nateriais /		<del></del>	UA-			T				
A N	Printed Name	5/1	Signature	RY/U	and the second			Month	Day	Year		
S P	18. Transporter 2 Acknowledgement of Receipt of M	Antoriale	<u>u</u>	<del>- / / / / / / / / / / / / / / / / / / /</del>	<del>/</del>			1/4	<u> </u>	12		
O R		naterials						T		<del></del>		
T E	Printed Name		Signature					Month	Day	Year		
R	Smalls January			<u> </u>	<u> </u>			10	23	12		
	19. Certificate of Final Treatment/Disposal		<del></del> ,	<u> </u>								
[A] I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in complia						complian	e with all	}				
c [	applicable laws, regulations, permits and licenses on	the date	s listed above.							~		
L	20. Facility Owner or Operator: Certification of rece	ipt of nor	n-hazardous materia	s covered by th	nis manifest.							
Ţ [	Printed Name		Signature	Land Bernard		·		Month	Day	Year		
_				1.50		Same Sold	Z	1 4	1			
_												

# Appendix C Regulatory Correspondence





Catherine B. Templeton, Director

Prograting and presering the health of the public and the environment

May 15, 2014

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

RE: No Further Action

Laurel Bay Underground Storage Tank Assessment Reports for:

See attached sheet

Dear Mr. Drawdy,

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

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

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

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

Sincerely,

Kent Krieg

Department of Defense Corrective Action Section

Bureau of Land and Waste Management

South Carolina Department of Health and Environmental Control

Cc: Russell Berry (via email)

Craig Ehde (via email)



Catherine B. Templeton, Director

Promosting and protecting the health of the public and the environment

Attachment to:

Krieg to Drawdy Subject: NFA Dated 5/15/2014

### Laurel Bay Underground Storage Tank Assessment Reports for: (143 addresses/146 tanks)

219 Balsam       508 Laurel Bay         260 Beech Tank 1       510 Laurel Bay         260 Beech Tank 2       523 Laurel Bay         287 Birch       525 Laurel Bay         302 Ash       533 Laurel Bay         305 Ash       537 Laurel Bay         334 Ash       556 Dahlia         338 Ash Tank 1       557 Dahlia         338 Ash Tank 2       559 Dahlia         361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         412 Elderberry       625 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         425 Elderberry       636 Camellia         435 Elderberry       666 Camellia         436 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	212 Balsam	503 Laurel Bay
260 Beech Tank 2       523 Laurel Bay         267 Birch       525 Laurel Bay         287 Birch       529 Laurel Bay         302 Ash       533 Laurel Bay         305 Ash       537 Laurel Bay         334 Ash       556 Dahlia         338 Ash Tank 1       557 Dahlia         338 Ash Tank 2       559 Dahlia         361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       615 Dahlia         412 Elderberry       629 Dahlia         421 Elderberry       629 Dahlia         422 Elderberry       631 Dahlia         423 Elderberry       634 Dahlia         424 Elderberry       634 Dahlia         425 Elderberry       660 Camellia         455 Elderberry       666 Camellia         480 Laurel Bay       666 Camellia	219 Balsam	508 Laurel Bay
267 Birch       525 Laurel Bay         287 Birch       529 Laurel Bay         302 Ash       533 Laurel Bay         305 Ash       537 Laurel Bay         334 Ash       556 Dahlia         338 Ash Tank 1       557 Dahlia         338 Ash Tank 2       559 Dahlia         361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       619 Dahlia         415 Elderberry       625 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         450 Laurel Bay       666 Camellia          490 Laurel Bay       669 Camellia	260 Beech Tank 1	510 Laurel Bay
287 Birch       529 Laurel Bay         302 Ash       533 Laurel Bay         305 Ash       537 Laurel Bay         334 Ash       556 Dahlia         338 Ash Tank 1       557 Dahlia         338 Ash Tank 2       559 Dahlia         361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       619 Dahlia         415 Elderberry       625 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	260 Beech Tank 2	523 Laurel Bay
302 Ash       533 Laurel Bay         305 Ash       537 Laurel Bay         334 Ash       556 Dahlia         338 Ash Tank 1       557 Dahlia         338 Ash Tank 2       559 Dahlia         361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       625 Dahlia         421 Elderberry       629 Dahlia         422 Elderberry       631 Dahlia         423 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	267 Birch	525 Laurel Bay
305 Ash       537 Laurel Bay         334 Ash       556 Dahlia         338 Ash Tank 1       557 Dahlia         338 Ash Tank 2       559 Dahlia         361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       625 Dahlia         421 Elderberry       629 Dahlia         422 Elderberry       631 Dahlia         423 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	287 Birch	529 Laurel Bay
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338 Ash Tank 2       559 Dahlia         361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       619 Dahlia         414 Elderberry       625 Dahlia         421 Elderberry       629 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	334 Ash	556 Dahlia
361 Aspen       562 Dahlia         371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       619 Dahlia         415 Elderberry       625 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	338 Ash Tank 1	557 Dahlia
371 Aspen       568 Dahlia         372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       619 Dahlia         415 Elderberry       625 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	338 Ash Tank 2	559 Dahlia
372 Aspen Tank 1       581 Aster         372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       619 Dahlia         415 Elderberry       625 Dahlia         421 Elderberry       631 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	361 Aspen	562 Dahlia
372 Aspen Tank 2       582 Aster         375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       619 Dahlia         415 Elderberry       625 Dahlia         421 Elderberry       631 Dahlia         427 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	371 Aspen	568 Dahlia
375 Aspen       584 Aster         385 Aspen       602 Dahlia         403 Elderberry       607 Dahlia         407 Elderberry       614 Dahlia         411 Elderberry       616 Dahlia         414 Elderberry       619 Dahlia         415 Elderberry       625 Dahlia         421 Elderberry       629 Dahlia         427 Elderberry       631 Dahlia         428 Elderberry       634 Dahlia         431 Elderberry       660 Camellia         455 Elderberry       661 Camellia         484 Laurel Bay       666 Camellia         490 Laurel Bay       669 Camellia	372 Aspen Tank 1	581 Aster
385 Aspen 602 Dahlia 403 Elderberry 607 Dahlia 407 Elderberry 614 Dahlia 411 Elderberry 619 Dahlia 414 Elderberry 625 Dahlia 421 Elderberry 629 Dahlia 427 Elderberry 631 Dahlia 428 Elderberry 634 Dahlia 431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia	372 Aspen Tank 2	582 Aster
403 Elderberry 407 Elderberry 614 Dahlia 411 Elderberry 616 Dahlia 414 Elderberry 619 Dahlia 415 Elderberry 625 Dahlia 421 Elderberry 629 Dahlia 427 Elderberry 631 Dahlia 428 Elderberry 634 Dahlia 431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 669 Camellia	375 Aspen	584 Aster
407 Elderberry 614 Dahlia 411 Elderberry 616 Dahlia 414 Elderberry 619 Dahlia 415 Elderberry 625 Dahlia 421 Elderberry 629 Dahlia 427 Elderberry 631 Dahlia 428 Elderberry 634 Dahlia 431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia	385 Aspen	602 Dahlia
411 Elderberry 414 Elderberry 619 Dahlia 415 Elderberry 625 Dahlia 421 Elderberry 629 Dahlia 427 Elderberry 631 Dahlia 428 Elderberry 634 Dahlia 431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia	403 Elderberry	607 Dahlia
414 Elderberry 619 Dahlia 415 Elderberry 625 Dahlia 421 Elderberry 629 Dahlia 427 Elderberry 631 Dahlia 428 Elderberry 634 Dahlia 431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia	407 Elderberry	614 Dahlia
415 Elderberry 625 Dahlia 421 Elderberry 629 Dahlia 427 Elderberry 631 Dahlia 428 Elderberry 634 Dahlia 431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia 490 Laurel Bay 669 Camellia	411 Elderberry	616 Dahlia
421 Elderberry629 Dahlia427 Elderberry631 Dahlia428 Elderberry634 Dahlia431 Elderberry660 Camellia455 Elderberry661 Camellia484 Laurel Bay666 Camellia490 Laurel Bay669 Camellia	414 Elderberry	619 Dahlia
427 Elderberry 631 Dahlia 428 Elderberry 634 Dahlia 431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia 490 Laurel Bay 669 Camellia	415 Elderberry	625 Dahlia
428 Elderberry634 Dahlia431 Elderberry660 Camellia455 Elderberry661 Camellia484 Laurel Bay666 Camellia490 Laurel Bay669 Camellia	421 Elderberry	629 Dahlia
431 Elderberry 660 Camellia 455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia 490 Laurel Bay 669 Camellia	427 Elderberry	631 Dahlia
455 Elderberry 661 Camellia 484 Laurel Bay 666 Camellia 490 Laurel Bay 669 Camellia	428 Elderberry	634 Dahlia
484 Laurel Bay 666 Camellia 490 Laurel Bay 669 Camellia	431 Elderberry	660 Camellia
490 Laurel Bay 669 Camellia	455 Elderberry	661 Camellia
·	484 Laurel Bay	666 Camellia
502 Laurel Bay 672 Camellia	490 Laurel Bay	669 Camellia
	502 Laurel Bay	672 Camellia

### Laurel Bay Underground Storage Tank Assessment Reports for: (143 addresses/146 tanks) cont.

674 Camellia	880 Cobia
677 Camellia	890 Cobia
679 Camellia	892 Cobia
686 Camellia	900 Barracuda
690 Camellia	906 Barracuda
698 Abelia	911 Barracuda
700 Bluebell	912 Barracuda
704 Bluebell	917 Barracuda
705 Bluebell	919 Barracuda
708 Bluebell	928 Albacore
710 Bluebell	1024 Foxglove
711 Bluebell	1028 Foxglove
714 Bluebell	1029 Foxglove
715 Bluebell	1038 Iris
726 Bluebell	1049 Gardenia
728 Bluebell	1079 Heather
731 Bluebell	1103 Iris
734 Bluebell	1122 Iris
759 Althea	1136 Iris
761 Althea	1173 Bobwhite
773 Althea	1200 Cardinal
778 Laurel Bay	1221 Cardinal
807 Azalea	1238 Dove
814 Azalea	1241 Dove
815 Azalea	1242 Dove
818 Azalea	1248 Dove
820 Azalea	1262 Dove
821 Azalea	1265 Dove
831 Azalea	1267 Dove
832 Azalea	1289 Eagle
834 Azalea	1298 Eagle
835 Azalea	1300 Eagle
841 Azalea	1303 Eagle
853 Dolphin	1304 Eagle
858 Dolphin	1315 Albatross
869 Cobia	1316 Albatross
874 Cobia	1320 Albatross
875 Cobia	1338 Albatross

### Laurel Bay Underground Storage Tank Assessment Reports for: (143 addresses/146 tanks) cont.

1340 Albatross			 
1342 Albatross			
1344 Cardinal			
1345 Cardinal		*	
1349 Cardinal			
1355 Cardinal			
1366 Cardinal			
1374 Dove	}		
1375 Dove			
1415 Albatross			 