SUMMARY REPORT
193 WEST DOVE LANE (FORMERLY 1248 WEST DOVE 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 193 West Dove Lane (Formerly 1248 West Dove 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 193 West Dove Lane (Formerly 1248 West Dove Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 193 West Dove Lane* (MCAS Beaufort, 2013). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On June 20, 2012, a single 280 gallon heating oil UST was removed from the back yard under the patio area at 193 West Dove Lane (Formerly 1248 West Dove 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 6'2" 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 193 West Dove Lane (Formerly 1248 West Dove 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 193 West Dove Lane (Formerly 1248 West Dove 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 – 1248 West Dove 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 193 West Dove Lane (Formerly 1248 West Dove Lane)

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

Constituent	SCDHEC RBSLs (1)	Results Sample Collected 06/28/12							
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

⁽¹⁾ 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)

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

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #				i
Laurel Bay Milit	ary Housing Area,	Marine Corp	s Air Station,	Beaufort, SC
Facility Name or Compan	y Site Identifier			
	Laurel Bay Milita	ry Housing	Area	
Street Address or State Ro	oad (as applicable)			
Beaufort, City	Beaufort			
City	County			

Attachment 2

III. INSURANCE INFORMATION

	Insurance S	Statement	
qualify to receive state monies to pa	ay for appropriate site is written confirmation of	at Permit ID Number rehabilitation activities. Before participle of the existence or non-existence of an eted.	ipation is
Is there now, or has there ev UST release? YES N		policy or other financial mechanism that	at covers this
If you answered YES	s to the above question	n, please complete the following inform	nation:
My po The p The p	olicy provider is: policy deductible is: policy limit is:		
If you have this type of insu	rance, please include a	copy of the policy with this report.	
IV	. REQUEST FO	R SUPERB FUNDING	
I DO / DO NOT wish to	participate in the SUPI	ERB Program. (Circle one.)	
V. CE	RTIFICATION (T	o be signed by the UST owner)	
I certify that I have personally exattached documents; and that be information, I believe that the sub	ased on my inquiry	iliar with the information submitted of those individuals responsible for strue, accurate, and complete.	d in this and all r obtaining this
Name (Type or print.)			
Signature			
To be completed by Notary	y Public:		
Sworn before me this	day of	, 20	
(Name)		_	
Notary Public for the state of		· · · · · · · · · · · · · · · · · · ·	

	UST INFORMATION					
		1248Dove			<u> </u>	1
Produ	uct(ex. Gas, Kerosene)	Heating oil				
Capa	acity(ex. 1k, 2k)	280 gal				
Age		Late 1950s				
Const	truction Material(ex. Steel, FRP)	Steel				
Mont	h/Year of Last Use	Mid 1980s				
Depth	h (ft.) To Base of Tank	6'2"				
Spill	Prevention Equipment Y/N	No	_			
Overi	fill Prevention Equipment Y/N	No				
Metho	od of Closure Removed/Filled	Removed				
Date '	Tanks Removed/Filled	6/20/2012				
Visib	le Corrosion or Pitting Y/N	Yes				
Visib	le Holes Y/N	Yes				
	od of disposal for any USTs removed from the ST 1248Dove was removed from the		-			
	ubtitle "D" landfill. See Attacl		<u> </u>	, , , , , , , , , , , , , , , , , , ,	<u> </u>	
S		hment "A."				

VII. PIPING INFORMATION

	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
TO 1 1 1 1 1	
If any corrosion, pitting, or holes were observed,	describe the location and extent for each piping r
	describe the location and extent for each piping r d on the surface of the steel ver
	d on the surface of the steel ver
Corrosion and pitting were foun	d on the surface of the steel ver
Corrosion and pitting were foun	d on the surface of the steel ver
Corrosion and pitting were foun	d on the surface of the steel verturn lines were sound.
Corrosion and pitting were foun pipe. The copper supply and re	d on the surface of the steel verturn lines were sound.
Corrosion and pitting were foun pipe. The copper supply and re	d on the surface of the steel verturn lines were sound. RIPTION AND HISTORY onstructed of single wall steel
Corrosion and pitting were foun pipe. The copper supply and residences are continuous co	d on the surface of the steel verturn lines were sound. RIPTION AND HISTORY onstructed of single wall steel for heating. These USTs were
Corrosion and pitting were found pipe. The copper supply and results of the USTs at the residences are cand formerly contained fuel oil	d on the surface of the steel verturn lines were sound. RIPTION AND HISTORY onstructed of single wall steel for heating. These USTs were
Corrosion and pitting were found pipe. The copper supply and results of the USTs at the residences are cand formerly contained fuel oil	d on the surface of the steel verturn lines were sound. RIPTION AND HISTORY onstructed of single wall steel for heating. These USTs were
Corrosion and pitting were found pipe. The copper supply and results of the USTs at the residences are cand formerly contained fuel oil	d on the surface of the steel verturn lines were sound. RIPTION AND HISTORY onstructed of single wall steel for heating. These USTs were
Corrosion and pitting were found pipe. The copper supply and results of the USTs at the residences are cand formerly contained fuel oil	d on the surface of the steel verturn lines were sound. RIPTION AND HISTORY onstructed of single wall steel for heating. These USTs were
Corrosion and pitting were found pipe. The copper supply and results of the USTs at the residences are cand formerly contained fuel oil	d on the surface of the steel verturn lines were sound. RIPTION AND HISTORY onstructed of single wall steel for heating. These USTs were

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? If yes, indicate location and thickness.		Х	:

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA#
	Excav at				6/28/12		
Dove-A	fill end	Soil	Sandy	6'2"	1045 hrs	P. Shaw	
		tank was r	_			lt.	1
or	ginal s	mple was o	ut of toler	ance wh	en received	at the	lab.
	:						
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 th
testing laboratory. The grab method was utilized to fill the sample
containers leaving as little head space as possible and immediately
capped. Soil samples were extracted from area below tank. The
samples were marked, logged, and immediately placed in a sample cooler
packed with ice to maintain an approximate temperature of 4 degrees
Centigrade. Tools were thoroughly cleaned and decontaminated with
the seven step decon process after each use. The samples remained in
custody of SBG-EEG, Inc. until they were transferred to Test America
Incorporated for analysis as documented in the Chain of Custody Record.

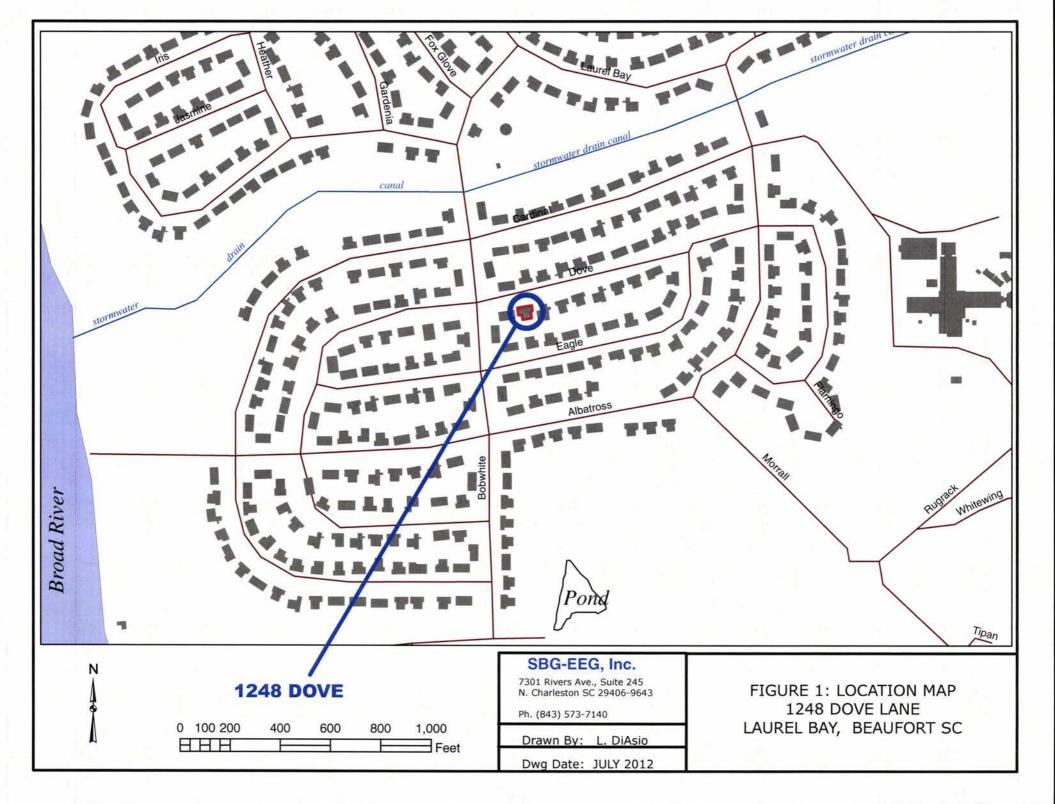
XII. RECEPTORS

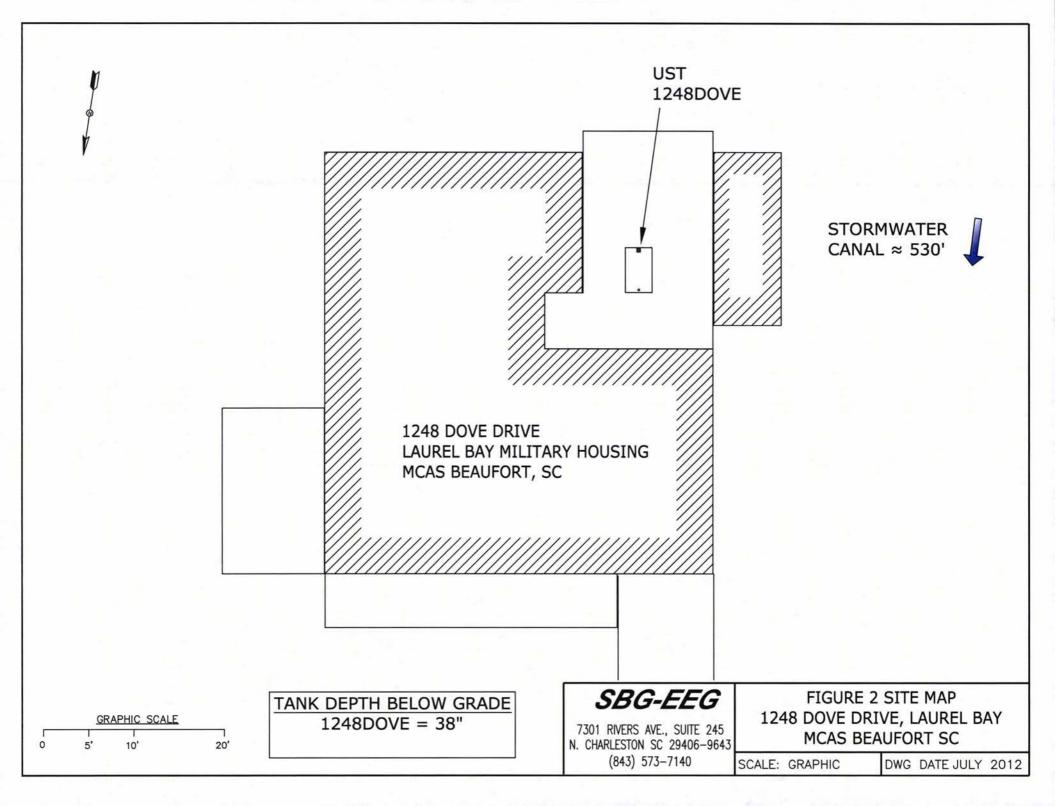
		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Stormwater drainage can	*X al	
	If yes, indicate type of receptor, distance, and direction on site map.		
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the 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, electricity, gas, water, sewer, sewer, water, electricity, gas, water, sewer, sewer, sewer, system that could potentially come in contact with the contamination?		ity,
	If yes, indicate the type of utility, distance, and direction on the site map.	į	
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.		

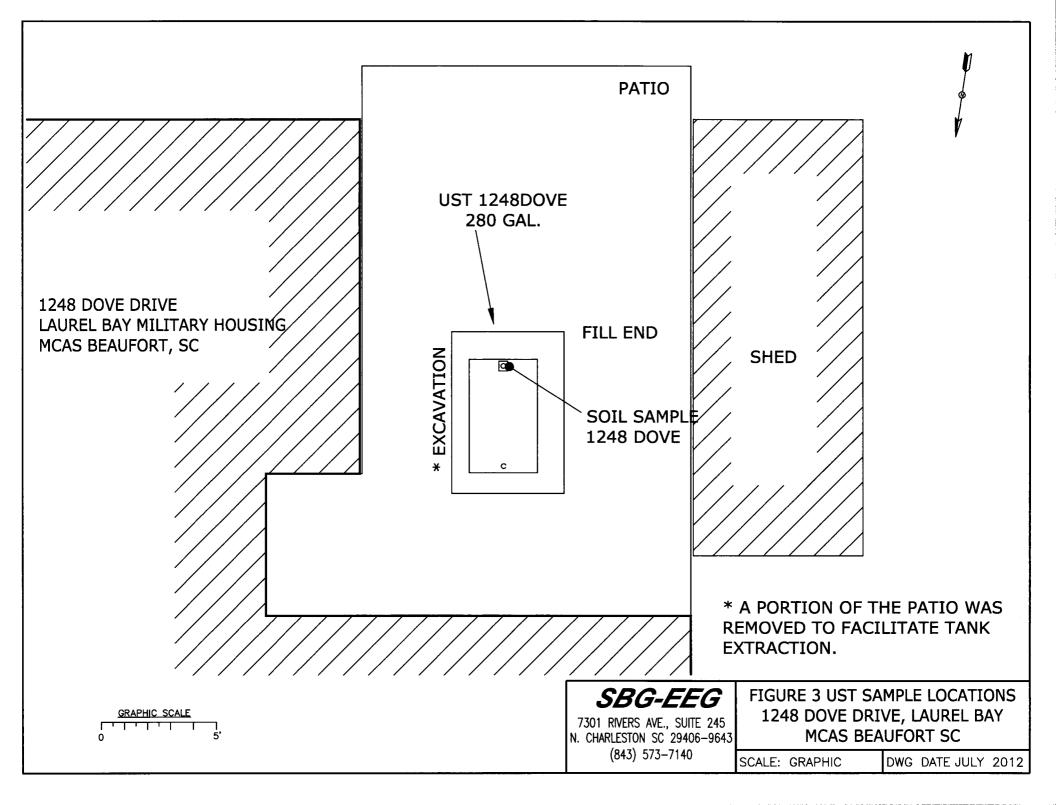
XIII. SITE MAP

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 1248Dove.



Picture 2: UST 1248Dove 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.

			T	T	i	1
CoC UST	1248Dove					
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	. i				
TPH (EPA 3550)						
				i		
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	W-1	W-2	W -3	\A/ 4	
	(µg/l)	44-1	VV-2	77 -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)



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola 3355 McLemore Drive Pensacola, FL 32514 Tel: (850)474-1001

TestAmerica Job ID: 400-66756-1

Client Project/Site: Laurel Bay Housing Project

For:

Environmental Enterprise Group 10179 Highway 78 Ladson, South Carolina 29456

Attn: Mr. Tom McElwee

Authorized for release by: 7/11/2012 12:19:18 PM

Cheyenne Whitmire Project Manager II chevenne.whitmire@testamericainc.com

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.

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

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Case Narrative

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Job ID: 400-66756-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-66756-1

GC/MS Semi VOA

Method(s) 8270D: The following sample was diluted to bring target analyte concentration(s) within the calibration range: 273 Birch - 2A (400-66756-2).

Method Summary

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

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

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 PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-66756-1	273 Birch - 1A	Solid	06/28/12 09:45	06/30/12 09:30
400-66756-2	273 Birch - 2A	Solid	06/28/12 10:00	06/30/12 09:30
400-66756-3	273 Birch - 3A	Solid	06/28/12 10:15	06/30/12 09:30
400-66756-4	1248 Dove - A	Solid	06/28/12 10:45	06/30/12 09:30
400-66756-5	711 Bluebell - A	Solid	06/28/12 11:15	06/30/12 09:30

Client Sample Results

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Client Sample ID: 273 Birch - 1A

Date Collected: 06/28/12 09:45

Lab Sample ID: 400-66756-1

Matrix: Solid

Percent Solids: 80.4

Date Received: 06/30/12 09:30								Percent Soli	ds: 80.4
Method: 8260B - Volatile Organic Co	The second second second	(GC/MS) Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Benzene	ND	Qualifier	0.31		mg/Kg	0	07/02/12 14:30	07/05/12 13:49	50
	0.12		0.31		mg/Kg	ø	07/02/12 14:30	07/05/12 13:49	50
Ethylbenzene Toluene	ND	J	0.31		mg/Kg	Φ	07/02/12 14:30	07/05/12 13:49	50
	ND		0.62		mg/Kg	ø	07/02/12 14:30	07/05/12 13:49	50
Xylenes, Total	1.2		0.31		mg/Kg	0	07/02/12 14:30	07/05/12 13:49	50
Naphthalene	1.2		0.31	0.002	mg/kg	100	07/02/12 14.30	07/05/12 15.49	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 122				07/02/12 14:30	07/05/12 13:49	50
Dibromofluoromethane	96		79 - 118				07/02/12 14:30	07/05/12 13:49	50
Toluene-d8 (Surr)	101		80 - 120				07/02/12 14:30	07/05/12 13:49	50
Method: 8270D - Semivolatile Organi	a Compou	nds (CC/Ms	6)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.26	J	0.41	0.041	mg/Kg	ø	07/03/12 08:39	07/06/12 23:36	1
Acenaphthylene	ND		0.41	0.041	mg/Kg	10	07/03/12 08:39	07/06/12 23:36	1
Anthracene	0.12	J	0.41	0.041	mg/Kg	o	07/03/12 08:39	07/06/12 23:36	1
Benzo[a]anthracene	ND		0.41	0.041	mg/Kg	Ø	07/03/12 08:39	07/06/12 23:36	1
Benzo[a]pyrene	ND		0.41	0.041	mg/Kg	401	07/03/12 08:39	07/06/12 23:36	1
Benzo[b]fluoranthene	ND		0.41	0.041	mg/Kg	ø	07/03/12 08:39	07/06/12 23:36	1
Benzo[g,h,i]perylene	ND		0.41	0.041	mg/Kg	⇔	07/03/12 08:39	07/06/12 23:36	1
Benzo[k]fluoranthene	ND		0.41	0.041	mg/Kg	\$ 3	07/03/12 08:39	07/06/12 23:36	1
Chrysene	0.11	J	0.41	0.041	mg/Kg	42	07/03/12 08:39	07/06/12 23:36	1
Dibenz(a,h)anthracene	ND		0.41	0.041	mg/Kg	ø	07/03/12 08:39	07/06/12 23:36	1
Fluoranthene	0.22	J	0.41	0.041	mg/Kg	ø	07/03/12 08:39	07/06/12 23:36	1
Fluorene	ND		0.41	0.041	mg/Kg	¢	07/03/12 08:39	07/06/12 23:36	1
Indeno[1,2,3-cd]pyrene	ND		0.41	0.041	mg/Kg	0	07/03/12 08:39	07/06/12 23:36	1
Naphthalene	0.34	J	0.41	0.041	mg/Kg	ø	07/03/12 08:39	07/06/12 23:36	1
Phenanthrene	1.5		0.41	0.041	mg/Kg	Ø	07/03/12 08:39	07/06/12 23:36	1
Pyrene	0.14	J	0.41	0.041	mg/Kg	0	07/03/12 08:39	07/06/12 23:36	1
1-Methylnaphthalene	3.1		0.41	0.041	mg/Kg	<	07/03/12 08:39	07/06/12 23:36	1
2-Methylnaphthalene	4.3		0.41	0.041	mg/Kg	\$	07/03/12 08:39	07/06/12 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		44 - 108				07/03/12 08:39	07/06/12 23:36	1
Nitrobenzene-d5 (Surr)	73		27 - 114				07/03/12 08:39	07/06/12 23:36	1
Terphenyl-d14 (Surr)	88		36 - 134				07/03/12 08:39	07/06/12 23:36	1

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Client Sample ID: 273 Birch - 2A

Date Collected: 06/28/12 10:00

Lab Sample ID: 400-66756-2

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Benzene ND 0.24 0.023 mg/Kg 0 70/02/12 14:30 07/05/12 14 Ethylbenzene 0.24 0.029 mg/Kg 0 70/02/12 14:30 07/05/12 14 70/102/12 14:30 07/05/12 14 70/002/12 14:30 07/05/12 14 70/05/12 14 70/05/12 14 70/05/12 14 70/05/12 14 70/05/12 14 70/05/12 14 70/05/12 14 70/05/12 14 70/05/12 14:30 07/05/12 14 70/05/12 14:30 07/05/12 14 70/05/12 14:30 07/05/12 14 70/05/12 14:30 07/05/12 14 70/05/12 14:30 07/05/12 14 70/05/12 14:30 07/05/12 14:30 07/05/12 14 70/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30 07/05/12 14:30	1 50 1 50 1 50 1 50 Dil Fa
Benzene ND 0.24 0.023 mg/Kg 07/02/12 14:30 07/05/12 14 Ethylbenzene 0.26 0.24 0.029 mg/Kg 07/02/12 14:30 07/05/12 14 Toluene ND 0.24 0.033 mg/Kg 07/02/12 14:30 07/05/12 14 Xylenes, Total ND 0.47 0.090 mg/Kg 07/02/12 14:30 07/05/12 14 Xylenes, Total ND 0.47 0.090 mg/Kg 07/02/12 14:30 07/05/12 14 Xylenes, Total ND 0.47 0.090 mg/Kg 07/02/12 14:30 07/05/12 14 Xylenes, Total ND 0.47 0.090 mg/Kg 07/02/12 14:30 07/05/12 14 Xylenes, Total ND 0.24 0.047 mg/Kg 07/02/12 14:30 07/05/12 14 Xylenes, Total ND 72 - 122 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77 - 118 07/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77 - 118 07/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 77/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120	1 50 1 51 1 50 1 50 1 50 Dil Fa
Ethylbenzene	1 50 1 50 1 50 1 50 Dil Fa
Toluene	1 56 1 56 1 56 1 56 Dil Fa
Xylenes, Total ND	1 50 Dil Fa
Naphthalene 1.3 0.24 0.047 mg/Kg 07/02/12 14:30 07/05/12 14 Surrogate %Recovery Qualifier Limits Prepared Analyzer 4-Bromofluorobenzene 100 72 - 122 07/02/12 14:30 07/05/12 14 Dibromofluoromethane 97 79 - 118 07/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 07/02/12 14:30 07/05/12 14 Method: 8270D - Semivolatile Organic Compounds (GC/MS) Result Qualifier RL MDL Unit D Prepared Analyzer Acenaphthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Acenaphthylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Anthracene 0.047 J 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]ayrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]pyrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]pyrene	Dil Fa
Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene 100 72 - 122 07/02/12 14:30 07/05/12 14 Dibromofluoromethane 97 79 - 118 07/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 07/02/12 14:30 07/05/12 14 Method: 8270D - Semivolatile Organic Compounds (GC/MS) Result Qualifier ND 0.39 mg/Kg 07/03/12 08:39 07/07/12 00 Acenaphthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Anthracene 0.047 J 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]pyrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a,h,i]perylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 <td< td=""><td>Dil Fa</td></td<>	Dil Fa
4-Bromofluorobenzene 100 72 - 122 07/02/12 14:30 07/05/12 14 Dibromofluoromethane 97 79 - 118 07/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 07/02/12 14:30 07/05/12 14 Method: 8270D - Semivolatile Organic Compounds (GC/MS) Result Qualifier RL MDL Unit D Prepared Analyzec Acenaphthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Acenaphthylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Anthracene 0.047 J 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]byrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00	11 5
Dibromofluoromethane 97 79 - 118 07/02/12 14:30 07/05/12 14 Toluene-d8 (Surr) 102 80 - 120 07/02/12 14:30 07/05/12 14 Method: 8270D - Semivolatile Organic Compounds (GC/MS) Mode of the compound of	
Method: 8270D - Semivolatile Organic Compounds (GC/MS) Result Qualifier RL MDL Unit D Prepared Prepared Prepared Property (Compounds) Analyzed Prepared Prepared Property (Compounds) Acenaphthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Acenaphthylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Anthracene 0.047 J 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]pyrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[g,h,i]perylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND <td< td=""><td>1 5</td></td<>	1 5
Method: 8270D - Semivolatile Organic Compounds (GC/MS) Analyte Result Qualifier RL MDL Unit D Prepared Analyzer Acenaphthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Acenaphthylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Anthracene 0.047 J 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b,i]perylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.	
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Acenaphthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Acenaphthylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Anthracene 0.047 J 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]pyrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00	
Acenaphthylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Anthracene 0.047 J 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]pyrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00	Dil Fa
Anthracene 0.047 J 0.39 O.39 mg/Kg 0.7/03/12 08:39 O7/07/12 00 Benzo[a]anthracene ND 0.39 O.39 mg/Kg 07/03/12 08:39 O7/07/12 00 Benzo[a]pyrene ND 0.39 O.39 mg/Kg 07/03/12 08:39 O7/07/12 00 Benzo[b]fluoranthene ND 0.39 O.39 mg/Kg 07/03/12 08:39 O7/07/12 00 Benzo[g,h,i]perylene ND 0.39 O.39 mg/Kg 07/03/12 08:39 O7/07/12 00 Benzo[k]fluoranthene ND 0.39 O.39 mg/Kg 07/03/12 08:39 O7/07/12 00 Chrysene ND 0.39 O.39 mg/Kg 07/03/12 08:39 O7/07/12 00 Dibenz(a,h)anthracene ND 0.39 O.39 mg/Kg 07/03/12 08:39 O7/07/12 00	1
Benzo[a]anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[a]pyrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[g,h,i]perylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00	1
Benzo[a]pyrene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[g,h,i]perylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00	1
Benzo[b]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[g,h,i]perylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00	1
Benzo[g,h,i]perylene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg 07/03/12 08:39 07/07/12 00	1
Benzo[k]fluoranthene ND 0.39 0.039 mg/Kg □ 07/03/12 08:39 07/07/12 00 Chrysene ND 0.39 0.039 mg/Kg □ 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg □ 07/03/12 08:39 07/07/12 00	1
Chrysene ND 0.39 0.039 mg/Kg © 07/03/12 08:39 07/07/12 00 Dibenz(a,h)anthracene ND 0.39 0.039 mg/Kg © 07/03/12 08:39 07/07/12 00	1
Dibenz(a,h)anthracene ND 0.39 mg/Kg © 07/03/12 08:39 07/07/12 00	1
Diberizia, injanum accite	1
5444 44545 JANGO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
Fluoranthene ND 0.39 0.039 mg/Kg © 07/03/12 08:39 07/07/12 00	1
Fluorene ND 0.39 0.039 mg/Kg © 07/03/12 08:39 07/07/12 00	1
Indeno[1,2,3-cd]pyrene ND 0.39 0.039 mg/Kg © 07/03/12 08:39 07/07/12 00	1
Naphthalene 0.25 J 0.39 0.039 mg/Kg © 07/03/12 08:39 07/07/12 00	1
Phenanthrene ND 0.39 0.039 mg/Kg © 07/03/12 08:39 07/07/12 00	1
Pyrene 0.39 0.39 mg/Kg © 07/03/12 08:39 07/07/12 00	1
1-Methylnaphthalene 17 2.0 0.20 mg/Kg © 07/03/12 08:39 07/09/12 23	18
2-Methylnaphthalene 21 2.0 0.20 mg/Kg © 07/03/12 08:39 07/09/12 23	18
Surrogate %Recovery Qualifier Limits Prepared Analyzed	Dil Fa
2-Fluorobiphenyl 56 44 - 108 07/03/12 08:39 07/07/12 00	11
Nitrobenzene-d5 (Surr) 98 27 - 114 07/03/12 08:39 07/07/12 00	14
Terphenyl-d14 (Surr) 74 36 - 134 07/03/12 08:39 07/07/12 00	11

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Client Sample ID: 273 Birch - 3A

Date Collected: 06/28/12 10:15

Lab Sample ID: 400-66756-3

Matrix: Solid

ate Received: 06/30/12 09:30								Percent Soli	ds: 74.9
Method: 8260B - Volatile Orga	The state of the s							18.28.3	D.11 E
Analyte		Qualifier	RL		Unit	D o	Prepared	Analyzed	Dil Fac
Benzene	ND		0.25		mg/Kg		07/02/12 14:30	07/05/12 14:33	50
Ethylbenzene	0.49		0.25		mg/Kg		07/02/12 14:30	07/05/12 14:33	50
Toluene	ND		0.25		mg/Kg	0	07/02/12 14:30	07/05/12 14:33	50
Xylenes, Total	0.15	J	0.50		mg/Kg	æ	07/02/12 14:30	07/05/12 14:33	50
Naphthalene	2.0		0.25	0.050	mg/Kg	¢	07/02/12 14:30	07/05/12 14:33	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 122				07/02/12 14:30	07/05/12 14:33	50
Dibromofluoromethane	92		79 - 118				07/02/12 14:30	07/05/12 14:33	50
Toluene-d8 (Surr)	102		80 - 120				07/02/12 14:30	07/05/12 14:33	50
Method: 8270D - Semivolatile									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.13	J	0.44	0.044	mg/Kg	0	07/03/12 08:39	07/07/12 00:45	1
Acenaphthylene	ND		0.44	0.044	mg/Kg	0	07/03/12 08:39	07/07/12 00:45	1
Anthracene	0.12	J	0.44	0.044	mg/Kg	₽.	07/03/12 08:39	07/07/12 00:45	1
Benzo[a]anthracene	ND		0.44	0.044	mg/Kg	*	07/03/12 08:39	07/07/12 00:45	1
Benzo[a]pyrene	ND		0.44	0.044	mg/Kg	\$	07/03/12 08:39	07/07/12 00:45	1
Benzo[b]fluoranthene	ND		0.44	0.044	mg/Kg	Ф	07/03/12 08:39	07/07/12 00:45	1
Benzo[g,h,i]perylene	ND		0.44	0.044	mg/Kg	٥	07/03/12 08:39	07/07/12 00:45	1
Benzo[k]fluoranthene	ND		0.44	0.044	mg/Kg	≎	07/03/12 08:39	07/07/12 00:45	1
Chrysene	ND		0.44	0.044	mg/Kg	ø	07/03/12 08:39	07/07/12 00:45	1
Dibenz(a,h)anthracene	ND		0.44	0.044	mg/Kg	0	07/03/12 08:39	07/07/12 00:45	1
Fluoranthene	0.11	J	0.44	0.044	mg/Kg	Đ.	07/03/12 08:39	07/07/12 00:45	1
Fluorene	ND		0.44	0.044	mg/Kg	Φ	07/03/12 08:39	07/07/12 00:45	1
Indeno[1,2,3-cd]pyrene	ND		0.44	0.044	mg/Kg	0	07/03/12 08:39	07/07/12 00:45	1
Naphthalene	0.47		0.44	0.044	mg/Kg	0	07/03/12 08:39	07/07/12 00:45	1
Phenanthrene	0.72		0.44	0.044	mg/Kg	*	07/03/12 08:39	07/07/12 00:45	1
Pyrene	0.087	J	0.44	0.044	mg/Kg	0	07/03/12 08:39	07/07/12 00:45	1
1-Methylnaphthalene	2.0		0.44	0.044	mg/Kg	0	07/03/12 08:39	07/07/12 00:45	1
2-Methylnaphthalene	2.5		0.44	0.044	mg/Kg	Ö	07/03/12 08:39	07/07/12 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		44 - 108				07/03/12 08:39	07/07/12 00:45	1
Nitrobenzene-d5 (Surr)	66		27 - 114				07/03/12 08:39	07/07/12 00:45	1
Terphenyl-d14 (Surr)	87		36 - 134				07/03/12 08:39	07/07/12 00:45	1

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Client Sample ID: 1248 Dove - A

Date Collected: 06/28/12 10:45

Terphenyl-d14 (Surr)

Lab Sample ID: 400-66756-4

Matrix: Solid

Percent Solids: 89.6

ate Received: 06/30/12 09:3	0							Percent Soli	ds: 89.6
Method: 8260B - Volatile Or Analyte		(GC/MS)	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	Quanner	0.0059	0.00058	mg/Kg	0	07/02/12 14:30	07/05/12 12:21	1
Ethylbenzene	ND		0.0059	0.00072	THE STATE OF	ø	07/02/12 14:30	07/05/12 12:21	1
Toluene	ND.		0.0059	0.00072		Ċ.	07/02/12 14:30	07/05/12 12:21	1
Xylenes, Total	ND ND		0.0033		mg/Kg	ø	07/02/12 14:30	07/05/12 12:21	1
Naphthalene	ND		0.0059		mg/Kg	ø	07/02/12 14:30	07/05/12 12:21	1
2 38	202		W-105				_		57.5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 122				07/02/12 14:30	07/05/12 12:21	1
Dibromofluoromethane	105		79 - 118				07/02/12 14:30	07/05/12 12:21	1
Toluene-d8 (Surr)	101		80 - 120				07/02/12 14:30	07/05/12 12:21	1
Method: 8270D - Semivolati				STATULA PO	V-C-1210	200		/% - W 18 1 1 1 1	
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.36		mg/Kg	*	07/03/12 08:39	07/07/12 01:19	1
Acenaphthylene	ND		0.36		mg/Kg	ø	07/03/12 08:39	07/07/12 01:19	1
Anthracene	ND		0.36		mg/Kg	٥	07/03/12 08:39	07/07/12 01:19	1
Benzo[a]anthracene	ND		0.36		mg/Kg	©.	07/03/12 08:39	07/07/12 01:19	1
Benzo[a]pyrene	ND		0.36		mg/Kg	0	07/03/12 08:39	07/07/12 01:19	1
Benzo[b]fluoranthene	ND		0.36	0.036	mg/Kg	<	07/03/12 08:39	07/07/12 01:19	1
Benzo[g,h,i]perylene	ND		0.36	0.036	mg/Kg	0	07/03/12 08:39	07/07/12 01:19	1
Benzo[k]fluoranthene	ND		0.36	0.036	mg/Kg	0	07/03/12 08:39	07/07/12 01:19	1
Chrysene	ND		0.36	0.036	mg/Kg	ø	07/03/12 08:39	07/07/12 01:19	1
Dibenz(a,h)anthracene	ND		0.36	0.036	mg/Kg	0	07/03/12 08:39	07/07/12 01:19	1
Fluoranthene	ND		0.36	0.036	mg/Kg	**	07/03/12 08:39	07/07/12 01:19	1
Fluorene	ND		0.36	0.036	mg/Kg	0	07/03/12 08:39	07/07/12 01:19	1
Indeno[1,2,3-cd]pyrene	ND		0.36	0.036	mg/Kg	ø	07/03/12 08:39	07/07/12 01:19	1
Naphthalene	ND		0.36	0.036	mg/Kg	0	07/03/12 08:39	07/07/12 01:19	1
Phenanthrene	ND		0.36	0.036	mg/Kg	*	07/03/12 08:39	07/07/12 01:19	1
Pyrene	ND		0.36	0.036	mg/Kg	¢	07/03/12 08:39	07/07/12 01:19	1
1-Methylnaphthalene	ND		0.36	0.036	mg/Kg	ø	07/03/12 08:39	07/07/12 01:19	1
2-Methylnaphthalene	ND		0.36	0.036	mg/Kg	Ø	07/03/12 08:39	07/07/12 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	54		44 - 108				07/03/12 08:39	07/07/12 01:19	1
Nitrobenzene-d5 (Surr)	39		27 - 114				07/03/12 08:39	07/07/12 01:19	1
AND AND THE PROPERTY OF THE PR	2000		7.80°C7=300000				VONDAMENTAL STATES		A10.

07/07/12 01:19

07/03/12 08:39

36 - 134

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Client Sample ID: 711 Bluebell - A

Date Collected: 06/28/12 11:15

Lab Sample ID: 400-66756-5

Matrix: Solid

Date Received: 06/30/12 09:30								Percent Soli	ds: 88.9
Method: 8260B - Volatile Organic Compoun					agran	20	220	av av sa	120.00
		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0051	0.00050	ALICO SERVICE SCHOOL	0	07/02/12 14:30	07/05/12 12:43	1
Ethylbenzene	ND		0.0051	0.00063		30	07/02/12 14:30	07/05/12 12:43	1
Toluene	ND		0.0051	0.00072	mg/Kg	Φ	07/02/12 14:30	07/05/12 12:43	1
Xylenes, Total	ND		0.010	0.0019	mg/Kg	Ф	07/02/12 14:30	07/05/12 12:43	1
Naphthalene	ND		0.0051	0.0010	mg/Kg	ø	07/02/12 14:30	07/05/12 12:43	1
Surrogate %Reco	very	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 122				07/02/12 14:30	07/05/12 12:43	1
Dibromofluoromethane	104		79 - 118				07/02/12 14:30	07/05/12 12:43	1
Toluene-d8 (Surr)	101		80 - 120				07/02/12 14:30	07/05/12 12:43	1
Method: 8270D - Semivolatile Organic Com	pou	nds (GC/MS	S)						
Analyte	sult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.37	0.037	mg/Kg	ø	07/03/12 08:39	07/07/12 01:53	1
Acenaphthylene	ND		0.37	0.037	mg/Kg	Ф	07/03/12 08:39	07/07/12 01:53	1
Anthracene	ND		0.37	0.037	mg/Kg	٥	07/03/12 08:39	07/07/12 01:53	1
Benzo[a]anthracene	ND		0.37	0.037	mg/Kg	0	07/03/12 08:39	07/07/12 01:53	1
Benzo[a]pyrene	ND		0.37	0.037	mg/Kg	0	07/03/12 08:39	07/07/12 01:53	1
Benzo[b]fluoranthene 0.	.042	J	0.37	0.037	mg/Kg	0	07/03/12 08:39	07/07/12 01:53	1
Benzo[g,h,i]perylene	ND		0.37	0.037	mg/Kg	⇔	07/03/12 08:39	07/07/12 01:53	1
Benzo[k]fluoranthene	ND		0.37	0.037	mg/Kg	*	07/03/12 08:39	07/07/12 01:53	-1
Chrysene	ND		0.37	0.037	mg/Kg	ø	07/03/12 08:39	07/07/12 01:53	- 1
Dibenz(a,h)anthracene	ND		0.37	0.037	mg/Kg	4	07/03/12 08:39	07/07/12 01:53	1
Fluoranthene 0.	.047	J	0.37	0.037	mg/Kg	Ċ.	07/03/12 08:39	07/07/12 01:53	1
Fluorene 0.	.041	J	0.37	0.037	mg/Kg	\$	07/03/12 08:39	07/07/12 01:53	1
Indeno[1,2,3-cd]pyrene	ND		0.37	0.037	mg/Kg	401	07/03/12 08:39	07/07/12 01:53	1
Naphthalene	ND		0.37	0.037	mg/Kg	-0	07/03/12 08:39	07/07/12 01:53	1
Phenanthrene	ND		0.37	0.037	mg/Kg	Ø.	07/03/12 08:39	07/07/12 01:53	1
Pyrene 0.	.041	J	0.37	0.037	mg/Kg	ø	07/03/12 08:39	07/07/12 01:53	1
1-Methylnaphthalene	ND		0.37	0.037	mg/Kg	ø	07/03/12 08:39	07/07/12 01:53	1
2-Methylnaphthalene	ND		0.37	0.037	mg/Kg	ø	07/03/12 08:39	07/07/12 01:53	1
Surrogate %Reco	very	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		44 - 108				07/03/12 08:39	07/07/12 01:53	1
Nitrobenzene-d5 (Surr)	63		27 - 114				07/03/12 08:39	07/07/12 01:53	1
Terphenyl-d14 (Surr)	78		36 - 134				07/03/12 08:39	07/07/12 01:53	1

Definitions/Glossary

Client: Environmental Enterprise Group

Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 400-66756-1

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

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

GC/MS Semi VOA

Qualifier	Qualifier	Description

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

Glossary

***	**	d -b b !- d	b	
Abbreviation	These commonly i	ised appreviations ma	v or mav not be	present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis 艾

%R Percent Recovery CNF Contains no Free Liquid

Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample DL, RA, RE, IN

EDL Estimated Detection Limit

United States Environmental Protection Agency **EPA**

MDL Method Detection Limit Minimum Level (Dioxin) ML

ND Not detected at the reporting limit (or MDL or EDL if shown)

Practical Quantitation Limit POL

Quality Control Reporting Limit RL

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

Lab Chronicle

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Client Sample ID: 273 Birch - 1A

Date Collected: 06/28/12 09:45 Date Received: 06/30/12 09:30 Lab Sample ID: 400-66756-1

Matrix: Solid

Percent Solids: 80.4

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			157922	07/02/12 14:30	JL	TAL PEN
Total/NA	Analysis	8260B		50	157925	07/05/12 13:49	JL	TAL PEN
Total/NA	Prep	3550C			157861	07/03/12 08:39	RT	TAL PEN
Total/NA	Analysis	8270D		1	158045	07/06/12 23:36	DW	TAL PEN
Total/NA	Analysis	Moisture		1	157907	07/02/12 15:00	MS	TAL PEN

Client Sample ID: 273 Birch - 2A

Date Collected: 06/28/12 10:00 Date Received: 06/30/12 09:30 Lab Sample ID: 400-66756-2

Matrix: Solid Percent Solids: 83.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			157922	07/02/12 14:30	JL	TAL PEN
Total/NA	Analysis	8260B		50	157925	07/05/12 14:11	JL	TAL PEN
Total/NA	Prep	3550C			157861	07/03/12 08:39	RT	TAL PEN
Total/NA	Analysis	8270D		1	158045	07/07/12 00:11	DW	TAL PEN
Total/NA	Analysis	8270D		5	158184	07/09/12 23:48	JP	TAL PEN
Total/NA	Analysis	Moisture		1	157907	07/02/12 15:00	MS	TAL PEN

Client Sample ID: 273 Birch - 3A

Date Collected: 06/28/12 10:15 Date Received: 06/30/12 09:30 Lab Sample ID: 400-66756-3

Matrix: Solid Percent Solids: 74.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			157922	07/02/12 14:30	JL	TAL PEN
Total/NA	Analysis	8260B		50	157925	07/05/12 14:33	JL	TAL PEN
Total/NA	Prep	3550C			157861	07/03/12 08:39	RT	TAL PEN
Total/NA	Analysis	8270D		1	158045	07/07/12 00:45	DW	TAL PEN
Total/NA	Analysis	Moisture		1	157907	07/02/12 15:00	MS	TAL PEN

Client Sample ID: 1248 Dove - A

Date Collected: 06/28/12 10:45 Date Received: 06/30/12 09:30 Lab Sample ID: 400-66756-4

Matrix: Solid Percent Solids: 89.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			157922	07/02/12 14:30	JL	TAL PEN
Total/NA	Analysis	8260B		1	157925	07/05/12 12:21	JL	TAL PEN
Total/NA	Prep	3550C			157861	07/03/12 08:39	RT	TAL PEN
Total/NA	Analysis	8270D		1	158045	07/07/12 01:19	DW	TAL PEN
Total/NA	Analysis	Moisture		1	157907	07/02/12 15:00	MS	TAL PEN

Lab Chronicle

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Client Sample ID: 711 Bluebell - A

Date Collected: 06/28/12 11:15

Date Received: 06/30/12 09:30

Lab Sample ID: 400-66756-5

Matrix: Solid

Percent Solids: 88.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			157922	07/02/12 14:30	JL	TAL PEN
Total/NA	Analysis	8260B		1	157925	07/05/12 12:43	JL	TAL PEN
Total/NA	Prep	3550C			157861	07/03/12 08:39	RT	TAL PEN
Total/NA	Analysis	8270D		1	158045	07/07/12 01:53	DW	TAL PEN
Total/NA	Analysis	Moisture		1	157907	07/02/12 15:00	MS	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

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

TestAmerica Job ID: 400-66756-1

GC/MS VOA

Pre	p B	at	ch	: 1	57	9	22

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-66756-1	273 Birch - 1A	Total/NA	Solid	5035	
400-66756-2	273 Birch - 2A	Total/NA	Solid	5035	
400-66756-3	273 Birch - 3A	Total/NA	Solid	5035	
400-66756-4	1248 Dove - A	Total/NA	Solid	5035	
400-66756-5	711 Bluebell - A	Total/NA	Solid	5035	
LCS 400-157922/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 400-157922/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 400-157922/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 157925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-66756-1	273 Birch - 1A	Total/NA	Solid	8260B	157922
400-66756-2	273 Birch - 2A	Total/NA	Solid	8260B	157922
400-66756-3	273 Birch - 3A	Total/NA	Solid	8260B	157922
400-66756-4	1248 Dove - A	Total/NA	Solid	8260B	157922
400-66756-5	711 Bluebell - A	Total/NA	Solid	8260B	157922
LCS 400-157922/2-A	Lab Control Sample	Total/NA	Solid	8260B	157922
LCSD 400-157922/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	157922
MB 400-157922/1-A	Method Blank	Total/NA	Solid	8260B	157922

GC/MS Semi VOA

Prep Batch: 157861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-66739-E-3-B MS	Matrix Spike	Total/NA	Solid	3550C	
400-66739-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
400-66756-1	273 Birch - 1A	Total/NA	Solid	3550C	
400-66756-2	273 Birch - 2A	Total/NA	Solid	3550C	
400-66756-3	273 Birch - 3A	Total/NA	Solid	3550C	
400-66756-4	1248 Dove - A	Total/NA	Solid	3550C	
400-66756-5	711 Bluebell - A	Total/NA	Solid	3550C	
LCS 400-157861/17-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 400-157861/18-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 158045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-66756-1	273 Birch - 1A	Total/NA	Solid	8270D	157861
400-66756-2	273 Birch - 2A	Total/NA	Solid	8270D	157861
400-66756-3	273 Birch - 3A	Total/NA	Solid	8270D	157861
400-66756-4	1248 Dove - A	Total/NA	Solid	8270D	157861
400-66756-5	711 Bluebell - A	Total/NA	Solid	8270D	157861

Analysis Batch: 158085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-66739-E-3-B MS	Matrix Spike	Total/NA	Solid	8270D	157861
400-66739-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	157861
LCS 400-157861/17-A	Lab Control Sample	Total/NA	Solid	8270D	157861
MB 400-157861/18-A	Method Blank	Total/NA	Solid	8270D	157861

Analysis Batch: 158184

-					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-66756-2	273 Birch - 2A	Total/NA	Solid	8270D	157861

QC Association Summary

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

General Chemistry

Analysis Batch: 157907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-66756-1	273 Birch - 1A	Total/NA	Solid	Moisture	
400-66756-2	273 Birch - 2A	Total/NA	Solid	Moisture	
400-66756-3	273 Birch - 3A	Total/NA	Solid	Moisture	
400-66756-4	1248 Dove - A	Total/NA	Solid	Moisture	
400-66756-5	711 Bluebell - A	Total/NA	Solid	Moisture	

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

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

Lab Sample ID: MB 400-157922/1-A

Matrix: Solid

Analysis Batch: 157925

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 157922

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0050	0.00049	mg/Kg		06/28/12 14:00	07/05/12 08:49	1
Ethylbenzene	ND		0.0050	0.00061	mg/Kg		06/28/12 14:00	07/05/12 08:49	1
Toluene	ND		0.0050	0.00070	mg/Kg		06/28/12 14:00	07/05/12 08:49	1
Xylenes, Total	ND		0.010	0.0019	mg/Kg		06/28/12 14:00	07/05/12 08:49	1
Naphthalene	ND		0.0050	0.0010	mg/Kg		06/28/12 14:00	07/05/12 08:49	1
	мв	MB							

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene 102 72 - 122 06/28/12 14:00 07/05/12 08:49 06/28/12 14:00 07/05/12 08:49 104 79 - 118 Dibromofluoromethane 07/05/12 08:49 80 - 120 06/28/12 14:00 Toluene-d8 (Surr) 100

Lab Sample ID: LCS 400-157922/2-A

Matrix: Solid

Analysis Batch: 157925

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 157922

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.0561		mg/Kg		112	74 - 119
Ethylbenzene	0.0500	0.0523		mg/Kg		105	78 - 116
Toluene	0.0500	0.0549		mg/Kg		110	76 - 116
Xylenes, Total	0.150	0.160		mg/Kg		107	77 - 118
Naphthalene	0.0500	0.0541		mg/Kg		108	64 - 126

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	99		72 - 122
Dibromofluoromethane	105		79 - 118
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 400-157922/3-A

Matrix: Solid

Analysis Batch: 157925

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 157922

Prep Batch: 157922

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.0557		mg/Kg		111	74 - 119	1	10
Ethylbenzene	0.0500	0.0526		mg/Kg		105	78 - 116	1	12
Toluene	0.0500	0.0551		mg/Kg		110	76 - 116	0	11
Xylenes, Total	0.150	0.162		mg/Kg		108	77 - 118	1	12
Naphthalene	0.0500	0.0555		mg/Kg		111	64 - 126	3	16

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	100		72 - 122
Dibromofluoromethane	104		79 - 118
Toluene-d8 (Surr)	100		80 - 120

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

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

Lab Sample ID: MB 400-157861/18-A

Matrix: Solid

Analysis Batch: 158085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 157861

	MB	мв							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Acenaphthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Acenaphthylene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Acenaphthylene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Anthracene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Anthracene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[a]anthracene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[a]anthracene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[a]pyrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[a]pyrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[b]fluoranthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[b]fluoranthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[g,h,i]perylene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[g,h,i]perylene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[k]fluoranthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Benzo[k]fluoranthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Chrysene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Chrysene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Dibenz(a,h)anthracene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Dibenz(a,h)anthracene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Fluoranthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Fluoranthene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Fluorene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Fluorene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Indeno[1,2,3-cd]pyrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Indeno[1,2,3-cd]pyrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Naphthalene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Naphthalene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Phenanthrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Phenanthrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Pyrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
Pyrene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
1-Methylnaphthalene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
1-Methylnaphthalene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
2-Methylnaphthalene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1
2-Methylnaphthalene	ND		0.33	0.033	mg/Kg		07/03/12 08:39	07/06/12 20:58	1

-	MO	
5	IVID	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		44 - 108	07/03/12 08:39	07/06/12 20:58	1
2-Fluorobiphenyl	88		44 - 108	07/03/12 08:39	07/06/12 20:58	1
Nitrobenzene-d5 (Surr)	73		27 - 114	07/03/12 08:39	07/06/12 20:58	1
Nitrobenzene-d5 (Surr)	73		27 - 114	07/03/12 08:39	07/06/12 20:58	1
Terphenyl-d14 (Surr)	107		36 - 134	07/03/12 08:39	07/06/12 20:58	1
Terphenyl-d14 (Surr)	107		36 - 134	07/03/12 08:39	07/06/12 20:58	1

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

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

Lab Sample ID: LCS 400-157861/17-A

Matrix: Solid

Analysis Batch: 158085

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

Prep Batch: 157861

A-sha	Spike		LCS Qualifier Unit	D %Rec	%Rec.
Analyte	Added 1.67	1.49	Qualifier Unit mg/Kg	89	53 - 108
Acenaphthene Acenaphthene	1.67	1.49	mg/Kg	89	53 - 108
Acenaphthylene	1.67	1.50	mg/Kg	90	57 - 111
20.000.000.0000.0000000000000000000000	1.67	1.50	mg/Kg	90	57 - 111
Acthrospe	1.67	1.50	mg/Kg	94	56 - 110
Anthracene	1.67	1.57	mg/Kg	94	56 - 110
Anthracene	1.67	1.69		101	52 - 105
Benzo[a]anthracene	1.67	1.69	mg/Kg mg/Kg	101	52 - 105
Benzo[a]anthracene	1.67	1.33	mg/Kg	80	52 - 97
Benzo[a]pyrene	1.67			80	52 - 97
Benzo[a]pyrene		1.33	mg/Kg		
Benzo[b]fluoranthene	1.67	1.34	mg/Kg	81	49 - 95
Benzo[b]fluoranthene	1.67 1.67	1.34	mg/Kg	81	49 ₋ 95 47 ₋ 122
Benzo[g,h,i]perylene		1.35	mg/Kg	81	
Benzo[g,h,i]perylene	1.67	1.35	mg/Kg	81	47 - 122
Benzo[k]fluoranthene	1.67	1.56	mg/Kg	94	57 - 113
Benzo[k]fluoranthene	1.67	1.56	mg/Kg	94	57 - 113
Chrysene	1.67	1.60	mg/Kg	96	56 - 102
Chrysene	1.67	1.60	mg/Kg	96	56 - 102
Dibenz(a,h)anthracene	1.67	1.46	mg/Kg	87	46 - 114
Dibenz(a,h)anthracene	1.67	1.46	mg/Kg	87	46 - 114
Fluoranthene	1.67	1.70	mg/Kg	102	56 - 120
Fluoranthene	1.67	1.70	mg/Kg	102	56 - 120
Fluorene	1.67	1.57	mg/Kg	94	51 - 116
Fluorene	1.67	1.57	mg/Kg	94	51 - 116
Indeno[1,2,3-cd]pyrene	1.67	1.63	mg/Kg	98	48 - 119
Indeno[1,2,3-cd]pyrene	1.67	1.63	mg/Kg	98	48 - 119
Naphthalene	1,67	1.38	mg/Kg	83	52 - 99
Naphthalene	1.67	1.38	mg/Kg	83	52 - 99
Phenanthrene	1.67	1.59	mg/Kg	95	56 - 113
Phenanthrene	1.67	1.59	mg/Kg	95	56 - 113
Pyrene	1.67	1.47	mg/Kg	88	56 - 100
Pyrene	1.67	1.47	mg/Kg	88	56 - 100
1-Methylnaphthalene	1.67	1.51	mg/Kg	90	58 - 104
1-Methylnaphthalene	1.67	1.51	mg/Kg	90	58 - 104
2-Methylnaphthalene	1.67	1.40	mg/Kg	84	53 - 99
2-Methylnaphthalene	1.67	1.40	mg/Kg	84	53 - 99
1.00					

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	82		44 - 108
2-Fluorobiphenyl	82		44 - 108
Nitrobenzene-d5 (Surr)	69		27 - 114
Nitrobenzene-d5 (Surr)	69		27 - 114
Terphenyl-d14 (Surr)	91		36 - 134
Terphenyl-d14 (Surr)	91		36 - 134

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

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

Lab Sample ID: 400-66739-E-3-B MS

Matrix: Solid

Analysis Batch: 158085

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

Prep Batch: 157861

and a market of the second	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acenaphthene	ND		2.04	1.72		mg/Kg	٥	85	10 - 150	
Acenaphthylene	ND		2.04	1.74		mg/Kg	¢	85	10 - 150	
Anthracene	ND		2.04	1.84		mg/Kg	ø	90	10 - 150	
Benzo[a]anthracene	ND		2.04	1.99		mg/Kg	Φ	98	10 - 150	
Benzo[a]pyrene	ND		2.04	1.55		mg/Kg	Φ	76	10 - 150	
Benzo[b]fluoranthene	ND		2.04	1.54		mg/Kg	\Box	75	10 - 150	
Benzo[g,h,i]perylene	ND		2.04	1.56		mg/Kg	Φ	77	10 - 150	
Benzo[k]fluoranthene	ND		2.04	1.80		mg/Kg	0	88	10 - 150	
Chrysene	ND		2.04	1.86		mg/Kg	ø	91	10 - 150	
Dibenz(a,h)anthracene	ND		2.04	1.68		mg/Kg	ø	82	32 - 111	
Fluoranthene	ND		2.04	2.03		mg/Kg	ø	100	10 - 150	
Fluorene	ND		2.04	1.78		mg/Kg	-0	88	10 - 150	
Indeno[1,2,3-cd]pyrene	ND		2.04	1.89		mg/Kg	0	93	10 - 150	
Naphthalene	ND		2.04	1.56		mg/Kg	Φ	77	10 - 150	
Phenanthrene	ND		2.04	1.87		mg/Kg	ф	92	10 - 150	
Pyrene	ND		2.04	1.74		mg/Kg	**	85	10 - 150	
1-Methylnaphthalene			2.04	1.72		mg/Kg	Ф			
2-Methylnaphthalene	ND		2.04	1.60		mg/Kg	٥	78	10 - 150	

MS MS

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	73		44 - 108
Nitrobenzene-d5 (Surr)	62		27 - 114
Terphenyl-d14 (Surr)	83		36 - 134

Lab Sample ID: 400-66739-E-3-C MSD

Matrix: Solid

Analysis Batch: 158085

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 157861

Allalysis Datell. 130003									riepi	Datell. I	3/001
HER STREET	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	ND		2.03	1.76		mg/Kg	ø	86	10 - 150	2	36
Acenaphthylene	ND		2.03	1.78		mg/Kg	\Diamond	88	10 - 150	3	29
Anthracene	ND		2.03	1.86		mg/Kg	Ф	91	10 - 150	1	30
Benzo[a]anthracene	ND		2.03	1.98		mg/Kg	Ф	97	10 - 150	1	33
Benzo[a]pyrene	ND		2.03	1.55		mg/Kg	\$	76	10 - 150	0	30
Benzo[b]fluoranthene	ND		2.03	1.56		mg/Kg	O	77	10 - 150	1	31
Benzo[g,h,i]perylene	ND		2.03	1.58		mg/Kg	ø	78	10 - 150	1	30
Benzo[k]fluoranthene	ND		2.03	1.81		mg/Kg	≎	89	10 - 150	1	29
Chrysene	ND		2.03	1.86		mg/Kg	₩.	92	10 - 150	0	33
Dibenz(a,h)anthracene	ND		2.03	1.71		mg/Kg	0	84	32 - 111	2	30
Fluoranthene	ND		2.03	2.02		mg/Kg	ø	99	10 - 150	1	42
Fluorene	ND		2.03	1.79		mg/Kg	Φ	88	10 - 150	0	36
Indeno[1,2,3-cd]pyrene	ND		2.03	1.93		mg/Kg	40	95	10 - 150	2	31
Naphthalene	ND		2.03	1.61		mg/Kg	¢	79	10 - 150	3	33
Phenanthrene	ND		2.03	1.87		mg/Kg	÷	92	10 - 150	0	34
Pyrene	ND		2.03	1.74		mg/Kg	Ф	86	10 - 150	0	45
1-Methylnaphthalene			2.03	1.75		mg/Kg	O				
2-Methylnaphthalene	ND		2.03	1.63		mg/Kg	ø	80	10 - 150	2	32

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

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

Lab Sample ID: 400-66739-E-3-C MSD

Matrix: Solid

Analysis Batch: 158085

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA Prep Batch: 157861

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	78		44 - 108
Nitrobenzene-d5 (Surr)	64		27 - 114
Terphenyl-d14 (Surr)	83		36 - 134

400-66756 Chain of Custody

2960 Foster Creighton Nashville, TN 37204

Client Name/Account #: EEG - SBG # 2449

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division

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

To assist us in using the proper analytical regulatory purposes?

methods, is this work being conducted for

Compliance Monitoring? Enforcement Action?

Yes Yes

9 2

00 Site State: SC

TA Quote #:

1020-

Fax No.: 843-8

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

Telephone Number: 843.412.2997

Sampler Name: (Print) Sampler Signature:

City/State/Zip: Ladson, SC 29456 Address: 10179 Highway 78

4

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Project ID: Laurel Bay Housing Project

Project #:

G0728 - HA9 BTEX + Napth - 8260E Hos

Sludge

Drinking Water

Office (Specify)

HNO² (Ked Label)

Field Filtered

No. of Containers Shipped

Time Sampled

Date Sampled

Composite

Grab

1000 0945

281 138

17

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d Sample ID Description

Birch

90)

(eluberlo2-eng) TAT HZUR

49

12

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Laboratory Comments: ORISINA EVENTS

RE-SAMple

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samples das/120

shippied

SAMPLES

Refinquished by:

Special Instructions: ThrsE

Method of Shipment

Received by:

Time

Date

Relinquished by:

Temperature Upon Receipt VOCs Free of Headspace?

438

1930 Time

Soor S

Date

tEN DERATURE SANDA RECIEURA * Warr

7/11/2012

Login Sample Receipt Checklist

Client: Environmental Enterprise Group

Job Number: 400-66756-1

Login Number: 66756

List Number: 1

Creator: Hooper, Carolyn

List Source: TestAmerica Pensacola

Question	Answer	Comment	
Radioactivity either was not measured or, if measured, is at or below background	N/A		
he cooler's custody seal, if present, is intact.	True		
The cooler or samples do not appear to have been compromised or ampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True	4.3°C	
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
s the Field Sampler's name present on COC?	True		
There are no discrepancies between the sample IDs on the containers and he 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.	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
/OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A		
Multiphasic samples are not present.	True		
samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Certification Summary

Client: Environmental Enterprise Group Project/Site: Laurel Bay Housing Project TestAmerica Job ID: 400-66756-1

Laboratory	Authority	Program	EPA Region	Certification ID	
TestAmerica Pensacola	Alabama	State Program	4	40150	
TestAmerica Pensacola	Arizona	State Program	9	AZ0710	
TestAmerica Pensacola	Arkansas DEQ	State Program	6	88-0689	
TestAmerica Pensacola	Florida	NELAC	4	E81010	
TestAmerica Pensacola	Georgia	State Program	4	N/A	
TestAmerica Pensacola	Illinois	NELAC	5	200041	
TestAmerica Pensacola	Iowa	State Program	7	367	
TestAmerica Pensacola	Kansas	NELAC	7	E-10253	
TestAmerica Pensacola	Kentucky (UST)	State Program	4	53	
TestAmerica Pensacola	Louisiana	NELAC	6	30976	
estAmerica Pensacola	Maryland	State Program	3	233	
estAmerica Pensacola	Massachusetts	State Program	1	M-FL094	
TestAmerica Pensacola	Michigan	State Program	5	9912	
estAmerica Pensacola	New Hampshire	NELAC	1	2505	
TestAmerica Pensacola	New Jersey	NELAC	2	FL006	
TestAmerica Pensacola	North Carolina DENR	State Program	4	314	
TestAmerica Pensacola	Oklahoma	State Program	6	9810	
TestAmerica Pensacola	Pennsylvania	NELAC	3	68-00467	
TestAmerica Pensacola	Rhode Island	State Program	1	LAO00307	
TestAmerica Pensacola	South Carolina	State Program	4	96026	
TestAmerica Pensacola	Tennessee	State Program	4	TN02907	
TestAmerica Pensacola	Texas	NELAC	6	T104704286-12-4	
TestAmerica Pensacola	USDA	Federal		P330-10-00407	
TestAmerica Pensacola	Virginia	NELAC	3	460166	
TestAmerica Pensacola	Washington	State Program	10	C915	
TestAmerica Pensacola	West Virginia DEP	State Program	3	136	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

ATTACHMENT A



NON-HAZARDOUS MANIFEST

7	WASTE MANAGEMENT	1. Generator's U	JS EPA ID	A ID No. Manifest Doc No.					2. Page 1 of				
	NON-HAZARDOUS MANIFEST						1						
	2. Communication Addition	·							st Number	г			
	3. Generator's Mailing Address:		Genera	tor's Site Addr	ess (If dif	ferent than ma	ailing):	1					
- 1	MCAS, BEAUFORT LAUREL BAY HOUSING	1						w	MNA	00316821			
1									B. State (Senerator's	ID		
	BEAUFORT, SC 29907	00.6461											
ŀ		28-6461		5. US	EDA ID	Number		1887				(- Yes	
	5. Transporter 1 Company Name		'	j. Uš	CPA ID	Number		C State T	ransporter's II	<u> </u>	<u> </u>	.1	
ļ	EEG, INC.								orter's Phone		379-0411		
-	7. Transporter 2 Company Name		- 5	B. US	EPA ID	Number		D. Hansp	orter 3 mone	045 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
- [7. Handporter 2 company rame							E. State Ti	ransporter's IE)		park of make	
								F. Transpo	orter's Phone				
ı	9. Designated Facility Name and Site	Address	1	LO. U	IS EPA IC	Number							
	HICKORY HILL LANDFILL							G. State F	acility ID				
	2621 LOW COUNTRY ROAD							H. State F	acility Phone	843-9	87-4643		
	RIDGELAND, SC 29936				15.435.								
-	11 Description of Manual Manual-		<u> </u>	uyinuş regüz kirişti. 194		12. Cor	ntainers	13. Total	14. Unit	1 64	I Miss Comments		
G	11. Description of Waste Materials					No.	Туре	Quantity	Wt./Vol.	I. Misc. Comments			
E N	a. HEATING OIL TANKS FILLED	WITH SAND											
E			_			y i r agaidh					1,384,757,0		
R	WM Profi	le# 102655S0	<u>C</u>					8.15° F. m.s. 4.				1867-186	
A T	b.												
R	WM Profile #										1 11 11 11 11 11		
	c.											ŀ	
								(34) 34 (1) 10			Taka Salah		
,	WM Profile #									1,21			
4	d.												
ļ	WM Profile #												
	J. Additional Descriptions for Materi	als Listed Above				K. Dispos	al Location						
						Cell				Level			
						Grid							
İ	15. Special Handling Instructions and	Additional Inform	ation	1		4) 711 Blackell () 1122 IRIS							
	USTS from	·. 2) ૨'	73 B	irech =	3	Υ	,		~ (V)		-/-15		
	1) 1300 FAS/2 -	3 13	248	DOUL		5) 113	36 IR	2152		of Desired Control for the \$1.	The same of the sa		
İ	Purchase Order #				ICY CON	TACT / PHO							
ļ	16. GENERATOR'S CERTIFICATE:							<u></u> .					
	I hereby certify that the above-describ									ive been ful	lly and	}	
	accurately described, classified and pa	ckaged and are in	proper				rding to app	olicable regu	lations.	 _			
	Printed Name			Signature "O	n behalf	of"	the second of th	reg.		Month	Day	Year	
╣	17. Transporter 1 Acknowledgement	of Receipt of Mate	oriale	<u> </u>		·	-17-	et a		1			
R	Printed Name	or Receipt of Wate	eriais	Signature		1 / M	///			Month	Day	Year	
N	Frinted Name	ShAR	,,	Signature	5		Æ			77		2	
P 0	18. Transporter 2 Acknowledgement	of Receipt of Mate	erials	<u> </u>	1 0,	1	<i>p</i> **		····				
R	Printed Name	,		Signature						Month	Day	Year	
E		<i>a l</i>	Ć	1 July	, 1	ALI I				-7	17 1	2	
* JAMES BALIWIN Hames Bolden										1		<u></u>	
F	19. Certificate of Final Treatment/Dis		****	the best of our	- اسمسا	اء حاء ما	ovo dosesi-	ad wasta	ac managed is	. compliana	e with all		
A C	I certify, on behalf of the above listed applicable laws, regulations, permits a				KNOWIE	uge, ine ab	ove-describ	ieu waste W	as manageu II	compnanc	C WILLIAM		
1	20. Facility Owner or Operator: Certif				erials co	vered by th	is manifest.						
1	Printed Name		1,000	Signature	,		7			Month	Day	Year	
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Appendix C Regulatory Correspondence





Catherine B. Templeton, Director

Prograting and properties the health of the mable 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

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Attachment to:

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

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

212 Balsam	503 Laurel Bay
219 Balsam	508 Laurel Bay
260 Beech Tank 1	510 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	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
502 Laurel Bay	672 Camellia
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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
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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	