SUMMARY REPORT
164 WEST CARDINAL LANE (FORMERLY 1217 WEST CARDINAL LANE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 20**2**1

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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 20**2**1

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Appendices

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 164 West Cardinal Lane (Formerly 1217 West Cardinal 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 164 West Cardinal Lane (Formerly 1217 West Cardinal Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1217 West Cardinal Lane* (MCAS Beaufort, 2011) and *SCDHEC UST Assessment Report – 1217 West Cardinal Lane* (MCAS Beaufort, 2013). The UST Assessment Reports are provided in Appendix B.

2.1 UST Removal and Soil Sampling

Two 280 gallon heating oil USTs were removed at 164 West Cardinal Lane (Formerly 1217 West Cardinal Lane). Tank 1 was removed on May 17, 2011, from the landscaped area adjacent to the concrete porch. Tank 2 was removed November 20, 2012, from the concrete porch area. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). The USTs were 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 removals. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 4'7" bgs (Tank 1) and 6'6" bgs (Tank 2) and one sample was collected for each from those depths. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of each 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 reports are included in the UST Assessment Reports presented in Appendix B. The laboratory analytical data reports include 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 locations (Tanks 1 and 2) 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 the former UST locations (Tanks 1 and 2) at 164 West Cardinal Lane (Formerly 1217 West Cardinal Lane) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former USTs 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 164 West Cardinal Lane (Formerly 1217 West Cardinal Lane). This NFA determination was obtained in a letter dated July 1, 2015. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1217 West Cardinal Lane, Laurel Bay Military Housing Area*, April 2011.

Marine Corps Air Station Beaufort, 2013. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1217 West Cardinal Lane, Laurel Bay Military Housing Area*, April 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
164 West Cardinal Lane (Formerly 1217 West Cardinal Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 05/17/11 and 11/20/12	
		1217 West Cardinal 05/17/11	1217 West Cardinal 11/20/12
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	ND	ND
Naphthalene	0.036	ND	**0.00567**
Toluene	0.627	ND	ND
Xylenes, Total	13.01	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	ND	**0.0753**
Benzo(b)fluoranthene	0.66	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND
Chrysene	0.66	ND	ND
Dibenz(a,h)anthracene	0.66	ND	ND

Notes:

[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 and 3.1 (SCDHEC, May 2015 and SCDHEC, February 2016) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligram per kilogram

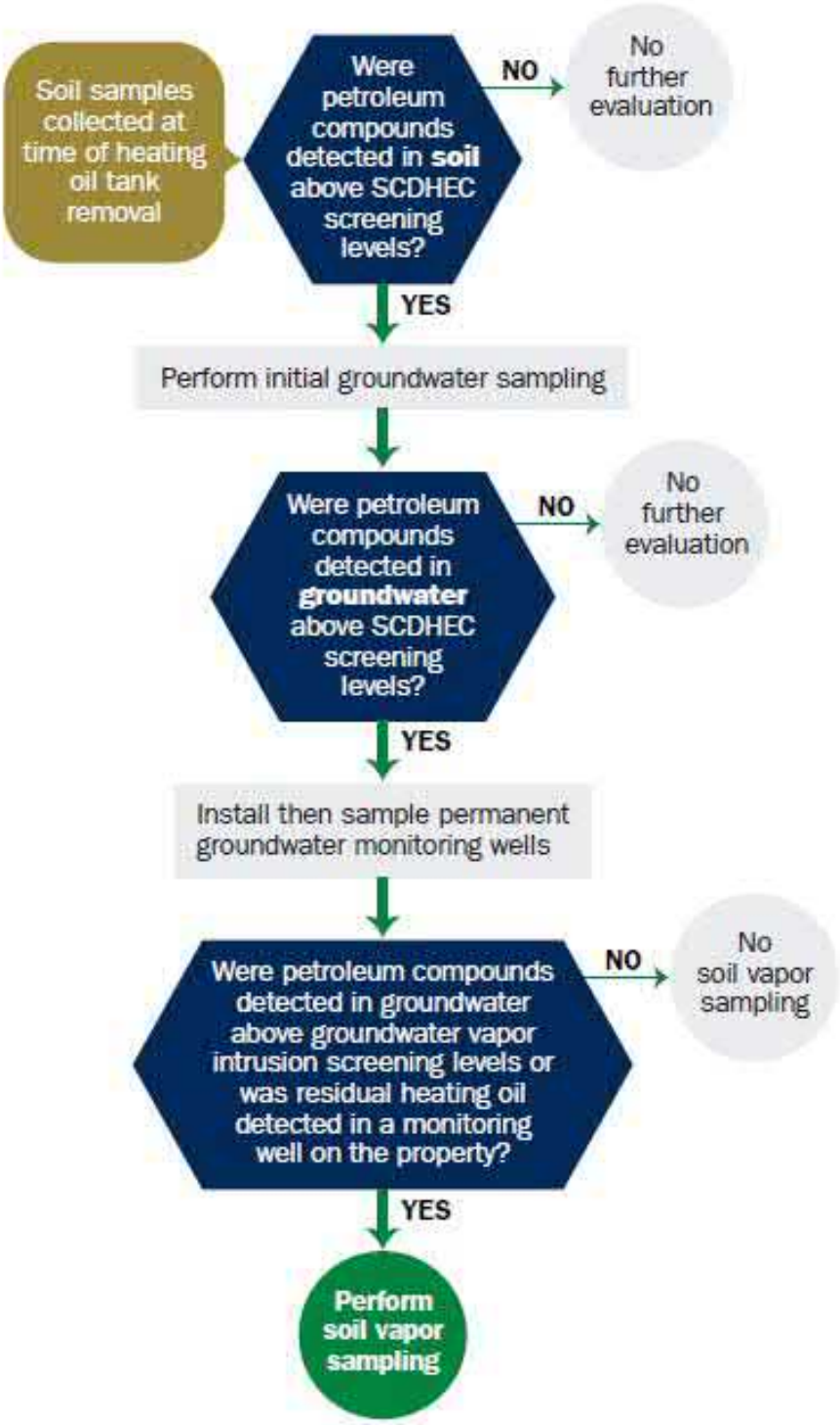
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

CDM - AECOM
Multimedia Joint Venture

Recd 9/30/11

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received
State Use Only

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

I. OWNERSHIP OF UST (S)

MCAS Beaufort, 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	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
Facility Name or Company Site Identifier

1217 Cardinal Lane, Laurel Bay Military Housing Area
Street Address or State Road (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

	1217 Cardinal		
A.	Heating oil		
B.	280 gal		
C.	Late 1950s		
D.	Steel		
E.	Mid 80s		
F.	4'7"		
G.	No		
H.	No		
I.	Removed		
J.	5/17/11		
K.	Yes		
L.	Yes		

A. Product...(ex. Gas, Kerosene).....

B. Capacity..(ex. 1k, 2k).....

C. Age.....

D. Construction Material..(ex. Steel, FRP).....

E. Month/Year of Last Use.....

F. Depth (ft.) To Base of Tank.....

G. Spill Prevention Equipment Y/N.....

H. Overfill Prevention Equipment Y/N.....

I. Method of Closure Removed/Filled.....

J. Date Tanks Removed/Filled.....

K. Visible Corrosion or Pitting Y/N.....

L. Visible Holes Y/N.....

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)

UST 1217Cardinal was removed from the ground and disposed of at a Subtitle "D" landfill. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)

UST 1217Cardinal was previously filled with sand by others.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST

Corrosion, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

A.	Construction Material..(ex. Steel, FRP).....	1217 Cardinal	
B.	Distance from UST to Dispenser.....	Steel & Copper	
C.	Number of Dispensers.....	N/A	
D.	Type of System Pressure or Suction.....	N/A	
E.	Was Piping Removed from the Ground? Y/N	Suction	
F.	Visible Corrosion or Pitting Y/N.....	Yes	
G.	Visible Holes Y/N.....	Yes	
H.	Age.....	No	
		Late 1950s	

I. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.

Steel vent piping was corroded and pitted. Copper supply and return piping was sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

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 #
1217 Card	Excav at fill end	Soil	Sandy	4'7"	5/17/11 1545 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

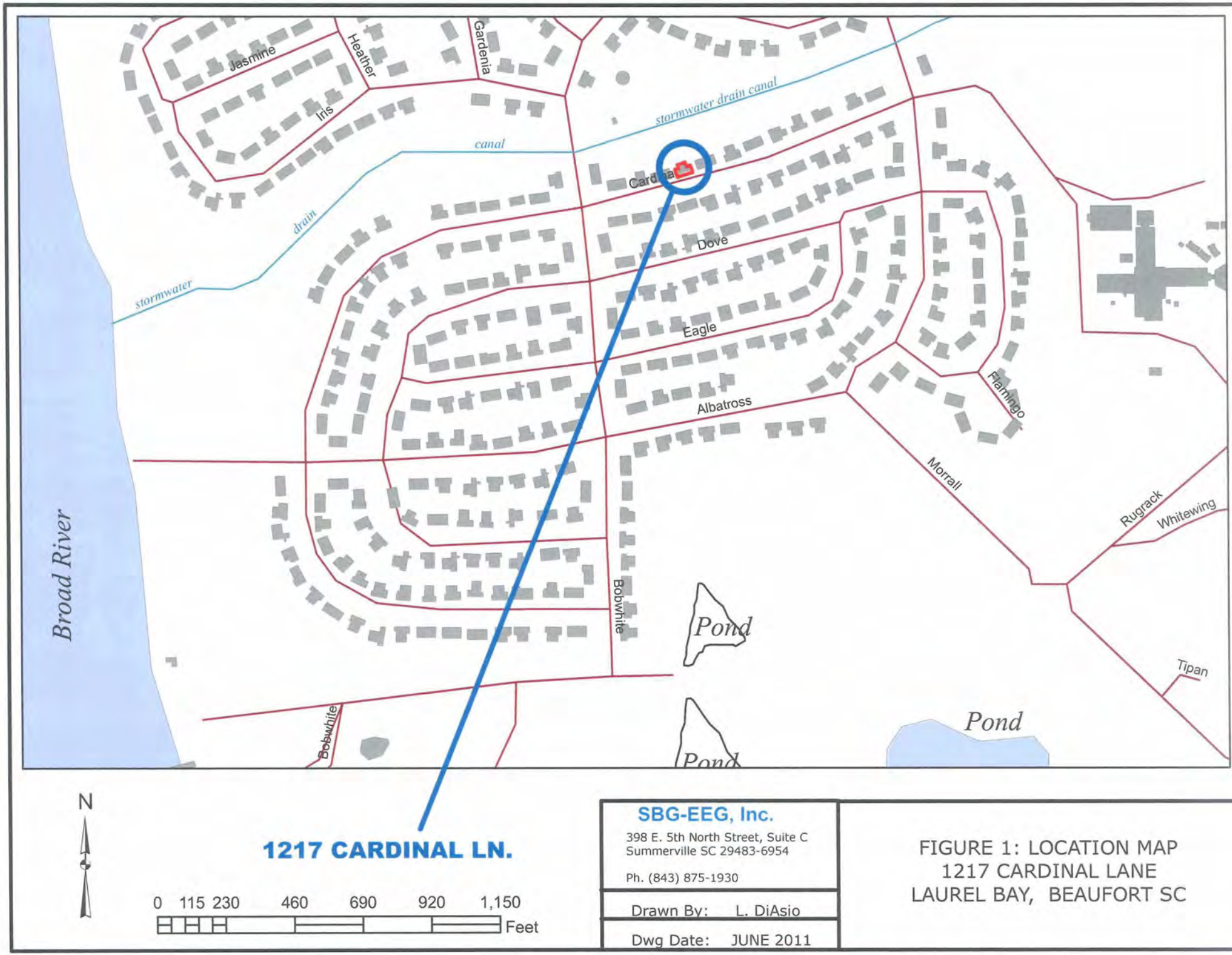
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~170' stormwater drainage canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
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 cable & fiber optic If yes, indicate the type of utility, distance, and direction on the site map.	*X	
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? If yes, indicate the area of contaminated soil on the site map.		X

XIII. SITE MAP

You must supply a scaled 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)

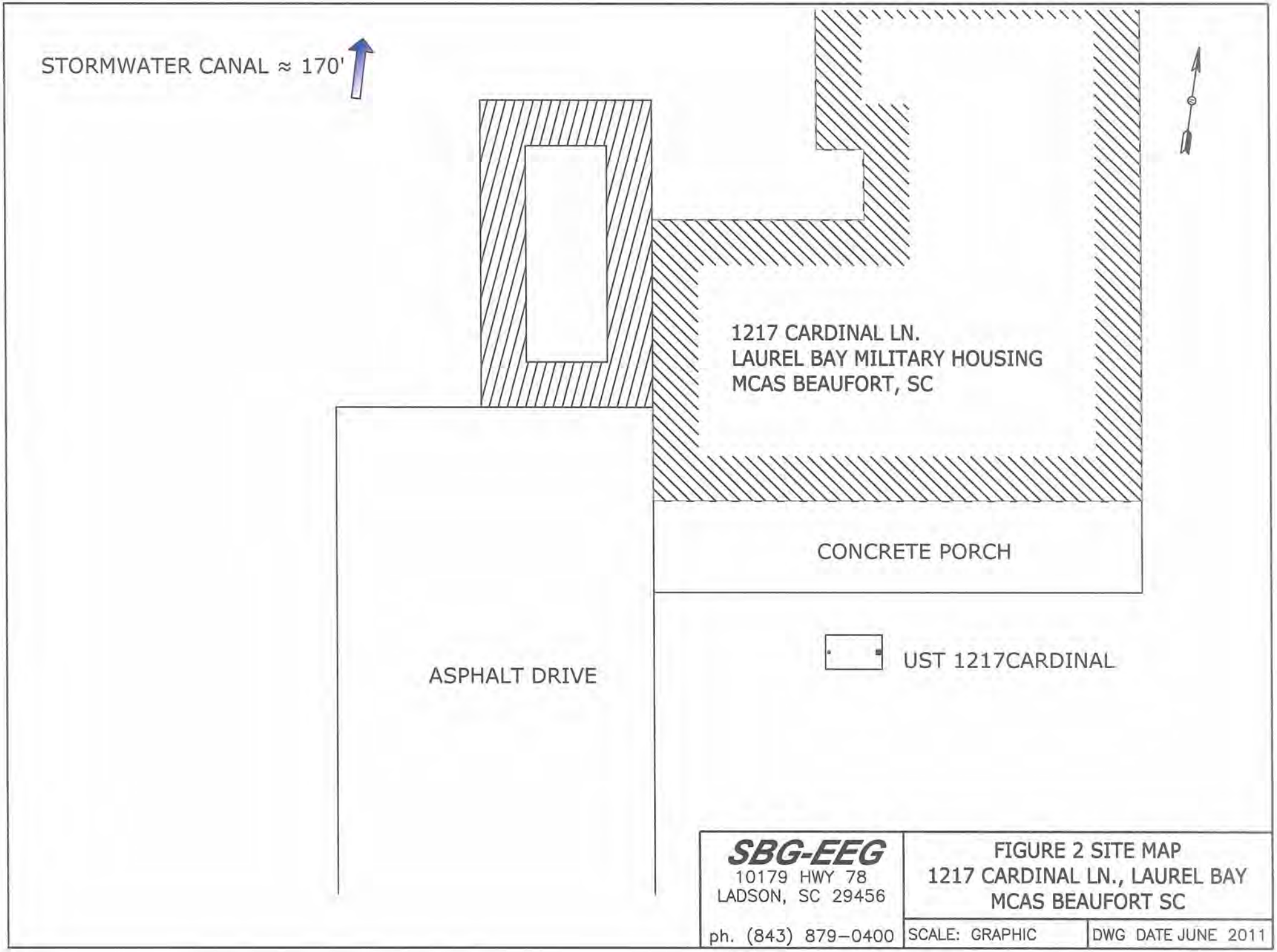


SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: JUNE 2011

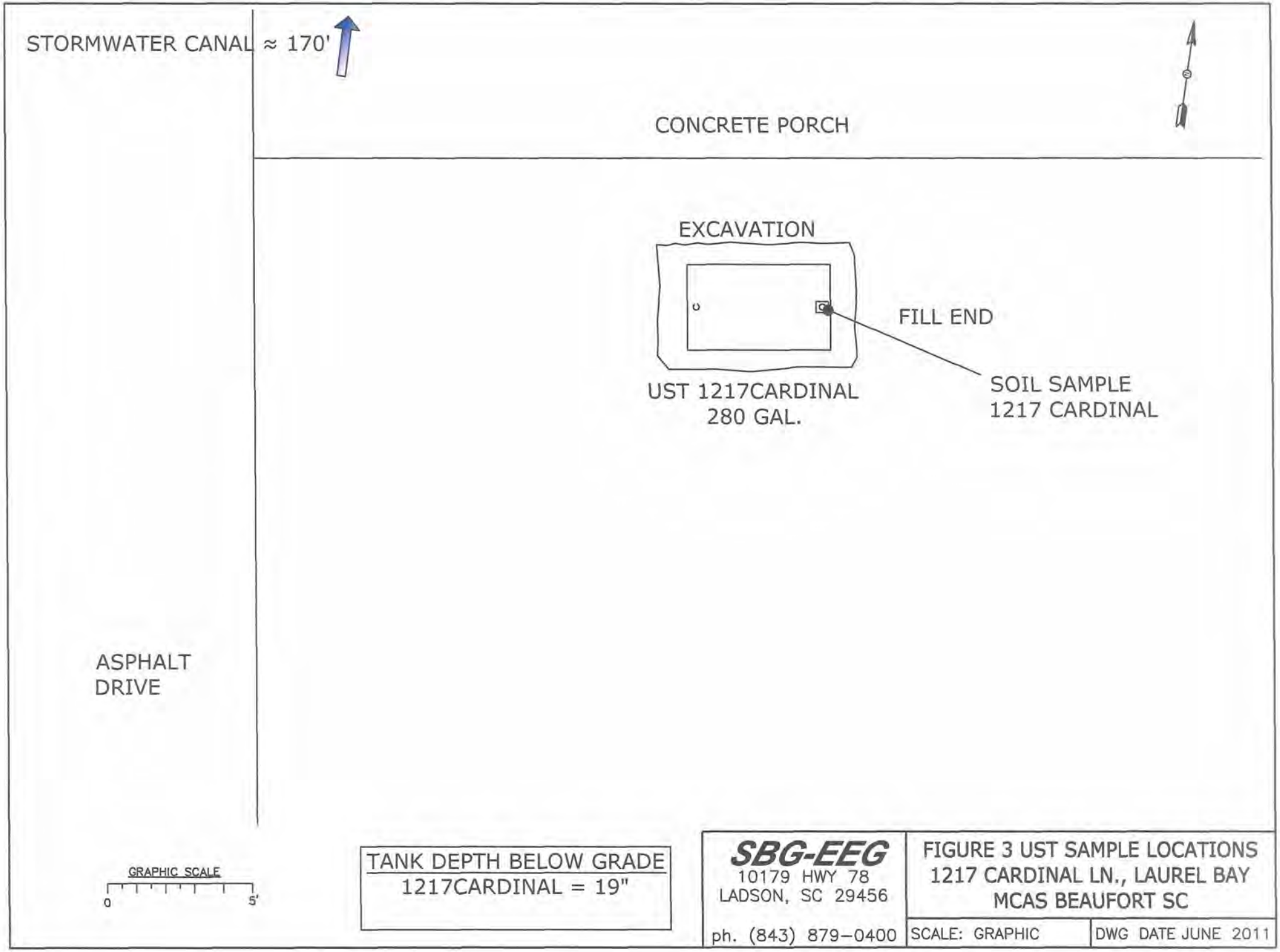
FIGURE 1: LOCATION MAP
1217 CARDINAL LANE
LAUREL BAY, BEAUFORT SC



SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 2 SITE MAP
1217 CARDINAL LN., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JUNE 2011



TANK DEPTH BELOW GRADE
1217CARDINAL = 19"

SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1217 CARDINAL LN., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JUNE 2011

Picture 1: Location of UST 1217Cardinal.

Picture 2: UST 1217Cardinal.

XIV. SUMMARY OF ANALYSIS RESULTS

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

CoC UST	1217Cardinal						
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)							

CoC								
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 (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)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUE3716
Client Project/Site: [none]
Client Project Description: Laurel Bay Housing Project

For:
EEG - Small Business Group, Inc. (2449)
10179 Highway 78
Ladson, SC 29456

Attn: Tom McElwee

Authorized for release by:
06/06/2011 05:25:39 PM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

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.

Table of Contents

Sample Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUE3716

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUE3716-01	1296 Eagle	Soil	05/16/11 15:30	05/21/11 09:00
NUE3716-02	1217 Cardinal	Soil	05/17/11 15:45	05/21/11 09:00

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

GCMS Semivolatiles

Qualifier	Qualifier Description
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUE3716

Client Sample ID: 1296 Eagle
Date Collected: 05/16/11 15:30
Date Received: 05/21/11 09:00

Lab Sample ID: NUE3716-01
Matrix: Soil
Percent Solids: 94.1

5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00215	0.00118	mg/kg dry		05/16/11 15:30	05/27/11 14:58	1.00
Ethylbenzene	ND		0.00215	0.00105	mg/kg dry		05/16/11 15:30	05/27/11 14:58	1.00
Naphthalene	ND		0.00538	0.00183	mg/kg dry		05/16/11 15:30	05/27/11 14:58	1.00
Toluene	ND		0.00215	0.000957	mg/kg dry		05/16/11 15:30	05/27/11 14:58	1.00
Xylenes, total	ND		0.00538	0.00204	mg/kg dry		05/16/11 15:30	05/27/11 14:58	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*100*		*67 - 138*	*05/16/11 15:30*	*05/27/11 14:58*	*1.00*
Dibromofluoromethane	*100*		*75 - 125*	*05/16/11 15:30*	*05/27/11 14:58*	*1.00*
Toluene-d8	*100*		*76 - 129*	*05/16/11 15:30*	*05/27/11 14:58*	*1.00*
4-Bromofluorobenzene	*100*		*67 - 147*	*05/16/11 15:30*	*05/27/11 14:58*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0707	0.0148	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Acenaphthylene	ND		0.0707	0.0211	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Anthracene	ND		0.0707	0.00950	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Benzo (a) anthracene	ND		0.0707	0.0116	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Benzo (a) pyrene	ND		0.0707	0.00844	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Benzo (b) fluoranthene	ND		0.0707	0.0401	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Benzo (g,h,i) perylene	ND		0.0707	0.00950	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Benzo (k) fluoranthene	ND		0.0707	0.0390	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Chrysene	ND		0.0707	0.0327	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Dibenz (a,h) anthracene	ND		0.0707	0.0158	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Fluoranthene	ND		0.0707	0.0116	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Fluorene	ND		0.0707	0.0211	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0707	0.0327	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Naphthalene	ND		0.0707	0.0148	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Phenanthrene	ND		0.0707	0.0106	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
Pyrene	ND		0.0707	0.0243	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
1-Methylnaphthalene	ND		0.0707	0.0127	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00
2-Methylnaphthalene	ND		0.0707	0.0222	mg/kg dry		05/23/11 14:15	05/24/11 17:43	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*18 - 120*	*05/23/11 14:15*	*05/24/11 17:43*	*1.00*
2-Fluorobiphenyl	*43*		*14 - 120*	*05/23/11 14:15*	*05/24/11 17:43*	*1.00*
Nitrobenzene-d5	*41*		*17 - 120*	*05/23/11 14:15*	*05/24/11 17:43*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	94.1		0.500	0.500	%		05/26/11 16:00	05/27/11 10:24	1.00

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUE3716

Client Sample ID: 1217 Cardinal
Date Collected: 05/17/11 15:45
Date Received: 05/21/11 09:00

Lab Sample ID: NUE3716-02
Matrix: Soil
Percent Solids: 77

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00296	0.00163	mg/kg dry		05/17/11 15:45	05/27/11 15:27	1.00
Ethylbenzene	ND		0.00296	0.00145	mg/kg dry		05/17/11 15:45	05/27/11 15:27	1.00
Naphthalene	ND		0.00741	0.00252	mg/kg dry		05/17/11 15:45	05/27/11 15:27	1.00
Toluene	ND		0.00296	0.00132	mg/kg dry		05/17/11 15:45	05/27/11 15:27	1.00
Xylenes, total	ND		0.00741	0.00282	mg/kg dry		05/17/11 15:45	05/27/11 15:27	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*99*		*67 - 138*	*05/17/11 15:45*	*05/27/11 15:27*	*1.00*
Dibromofluoromethane	*101*		*75 - 125*	*05/17/11 15:45*	*05/27/11 15:27*	*1.00*
Toluene-d8	*104*		*76 - 129*	*05/17/11 15:45*	*05/27/11 15:27*	*1.00*
4-Bromofluorobenzene	*122*		*67 - 147*	*05/17/11 15:45*	*05/27/11 15:27*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0850	0.0178	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Acenaphthylene	ND		0.0850	0.0254	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Anthracene	ND		0.0850	0.0114	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Benzo (a) anthracene	ND		0.0850	0.0140	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Benzo (a) pyrene	ND		0.0850	0.0102	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Benzo (b) fluoranthene	ND		0.0850	0.0482	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Benzo (g,h,i) perylene	ND		0.0850	0.0114	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Benzo (k) fluoranthene	ND		0.0850	0.0470	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Chrysene	ND		0.0850	0.0393	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Dibenz (a,h) anthracene	ND		0.0850	0.0190	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Fluoranthene	ND		0.0850	0.0140	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Fluorene	ND		0.0850	0.0254	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0850	0.0393	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Naphthalene	ND		0.0850	0.0178	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Phenanthrene	ND		0.0850	0.0127	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
Pyrene	ND		0.0850	0.0292	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
1-Methylnaphthalene	ND		0.0850	0.0152	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00
2-Methylnaphthalene	ND		0.0850	0.0267	mg/kg dry		05/23/11 14:15	05/24/11 18:04	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*68*		*18 - 120*	*05/23/11 14:15*	*05/24/11 18:04*	*1.00*
2-Fluorobiphenyl	*61*		*14 - 120*	*05/23/11 14:15*	*05/24/11 18:04*	*1.00*
Nitrobenzene-d5	*60*		*17 - 120*	*05/23/11 14:15*	*05/24/11 18:04*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	77.0		0.500	0.500	%		05/26/11 16:00	05/27/11 10:24	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11E7001-BLK1
Matrix: Soil
Analysis Batch: U009511

Client Sample ID: 11E7001-BLK1
Prep Type: Total
Prep Batch: 11E7001_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		05/27/11 10:30	05/27/11 13:01	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		05/27/11 10:30	05/27/11 13:01	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		05/27/11 10:30	05/27/11 13:01	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		05/27/11 10:30	05/27/11 13:01	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		05/27/11 10:30	05/27/11 13:01	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*102*		*67 - 138*	*05/27/11 10:30*	*05/27/11 13:01*	*1.00*
Dibromofluoromethane	*100*		*75 - 125*	*05/27/11 10:30*	*05/27/11 13:01*	*1.00*
Toluene-d8	*101*		*76 - 129*	*05/27/11 10:30*	*05/27/11 13:01*	*1.00*
4-Bromofluorobenzene	*97*		*67 - 147*	*05/27/11 10:30*	*05/27/11 13:01*	*1.00*

Lab Sample ID: 11E7001-BS1
Matrix: Soil
Analysis Batch: U009511

Client Sample ID: 11E7001-BS1
Prep Type: Total
Prep Batch: 11E7001_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	50.1		ug/kg		100	78 - 126
Ethylbenzene	50.0	50.6		ug/kg		101	79 - 130
Naphthalene	50.0	53.1		ug/kg		106	72 - 150
Toluene	50.0	47.8		ug/kg		96	76 - 126
Xylenes, total	150	149		ug/kg		99	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*96*		*67 - 138*
Dibromofluoromethane	*99*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*97*		*67 - 147*

Lab Sample ID: 11E7001-MS1
Matrix: Soil
Analysis Batch: U009511

Client Sample ID: NUE4490-06
Prep Type: Total
Prep Batch: 11E7001_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		0.0487	0.0504		mg/kg wet		103	42 - 141
Ethylbenzene	0.00103		0.0487	0.0622		mg/kg wet		126	21 - 165
Naphthalene	0.00510		0.0487	0.0768		mg/kg wet		147	10 - 160
Toluene	0.00192		0.0487	0.0842	M1	mg/kg wet		169	45 - 145
Xylenes, total	0.00472		0.146	0.293	M1	mg/kg wet		197	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 138*
Dibromofluoromethane	*97*		*75 - 125*
Toluene-d8	*99*		*76 - 129*
4-Bromofluorobenzene	*114*		*67 - 147*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11E7001-MSD1
Matrix: Soil
Analysis Batch: U009511

Client Sample ID: NUE4490-06
Prep Type: Total
Prep Batch: 11E7001_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0466	0.0448		mg/kg wet		96	42 - 141	12	50
Ethylbenzene	0.00103		0.0466	0.0469		mg/kg wet		99	21 - 165	28	50
Naphthalene	0.00510		0.0466	0.0472		mg/kg wet		90	10 - 160	48	50
Toluene	0.00192		0.0466	0.0518		mg/kg wet		107	45 - 145	48	50
Xylenes, total	0.00472		0.140	0.146	M1	mg/kg wet		101	31 - 159	67	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*95*		*67 - 138*
Dibromofluoromethane	*99*		*75 - 125*
Toluene-d8	*101*		*76 - 129*
4-Bromofluorobenzene	*110*		*67 - 147*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Lab Sample ID: 11E5727-BLK1
Matrix: Soil
Analysis Batch: U009075

Client Sample ID: 11E5727-BLK1
Prep Type: Total
Prep Batch: 11E5727_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0140	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Acenaphthylene	ND		0.0670	0.0200	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Anthracene	ND		0.0670	0.00900	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Benzo (a) anthracene	ND		0.0670	0.0110	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Benzo (a) pyrene	ND		0.0670	0.00800	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0380	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.00900	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0370	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Chrysene	ND		0.0670	0.0310	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0150	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Fluoranthene	ND		0.0670	0.0110	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Fluorene	ND		0.0670	0.0200	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0310	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Naphthalene	ND		0.0670	0.0140	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Phenanthrene	ND		0.0670	0.0100	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
Pyrene	ND		0.0670	0.0230	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
1-Methylnaphthalene	ND		0.0670	0.0120	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00
2-Methylnaphthalene	ND		0.0670	0.0210	mg/kg wet		05/23/11 14:15	05/24/11 14:07	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*92*		*18 - 120*	*05/23/11 14:15*	*05/24/11 14:07*	*1.00*
2-Fluorobiphenyl	*73*		*14 - 120*	*05/23/11 14:15*	*05/24/11 14:07*	*1.00*
Nitrobenzene-d5	*71*		*17 - 120*	*05/23/11 14:15*	*05/24/11 14:07*	*1.00*

Lab Sample ID: 11E5727-BS1
Matrix: Soil
Analysis Batch: U009075

Client Sample ID: 11E5727-BS1
Prep Type: Total
Prep Batch: 11E5727_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.67	1.34		mg/kg wet		80	49 - 120

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 11E5727-BS1
Matrix: Soil
Analysis Batch: U009075

Client Sample ID: 11E5727-BS1
Prep Type: Total
Prep Batch: 11E5727_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthylene	1.67	1.18		mg/kg wet		71	52 - 120
Anthracene	1.67	1.52		mg/kg wet		91	58 - 120
Benzo (a) anthracene	1.67	1.47		mg/kg wet		88	57 - 120
Benzo (a) pyrene	1.67	1.51		mg/kg wet		90	55 - 120
Benzo (b) fluoranthene	1.67	1.53		mg/kg wet		92	51 - 123
Benzo (g,h,i) perylene	1.67	1.51		mg/kg wet		90	49 - 121
Benzo (k) fluoranthene	1.67	1.47		mg/kg wet		88	42 - 129
Chrysene	1.67	1.43		mg/kg wet		86	55 - 120
Dibenz (a,h) anthracene	1.67	1.53		mg/kg wet		92	50 - 123
Fluoranthene	1.67	1.57		mg/kg wet		94	58 - 120
Fluorene	1.67	1.46		mg/kg wet		88	54 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.53		mg/kg wet		92	50 - 122
Naphthalene	1.67	1.15		mg/kg wet		69	28 - 120
Phenanthrene	1.67	1.56		mg/kg wet		93	56 - 120
Pyrene	1.67	1.47		mg/kg wet		88	56 - 120
1-Methylnaphthalene	1.67	1.03		mg/kg wet		62	36 - 120
2-Methylnaphthalene	1.67	1.16		mg/kg wet		69	36 - 120

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*90*		*18 - 120*
2-Fluorobiphenyl	*72*		*14 - 120*
Nitrobenzene-d5	*62*		*17 - 120*

Lab Sample ID: 11E5727-MS1
Matrix: Soil
Analysis Batch: U009075

Client Sample ID: NUE3609-13
Prep Type: Total
Prep Batch: 11E5727_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	ND		1.64	1.48		mg/kg wet		90	42 - 120
Acenaphthylene	ND		1.64	1.28		mg/kg wet		78	32 - 120
Anthracene	ND		1.64	1.62		mg/kg wet		98	10 - 200
Benzo (a) anthracene	ND		1.64	1.55		mg/kg wet		95	41 - 120
Benzo (a) pyrene	ND		1.64	1.56		mg/kg wet		95	33 - 121
Benzo (b) fluoranthene	ND		1.64	1.70		mg/kg wet		103	26 - 137
Benzo (g,h,i) perylene	0.0438		1.64	1.54		mg/kg wet		91	21 - 124
Benzo (k) fluoranthene	ND		1.64	1.45		mg/kg wet		88	14 - 140
Chrysene	ND		1.64	1.53		mg/kg wet		93	28 - 123
Dibenz (a,h) anthracene	ND		1.64	1.58		mg/kg wet		96	25 - 127
Fluoranthene	ND		1.64	1.66		mg/kg wet		101	38 - 120
Fluorene	ND		1.64	1.59		mg/kg wet		97	41 - 120
Indeno (1,2,3-cd) pyrene	ND		1.64	1.57		mg/kg wet		96	25 - 123
Naphthalene	0.0758		1.64	1.29		mg/kg wet		74	25 - 120
Phenanthrene	ND		1.64	1.66		mg/kg wet		101	37 - 120
Pyrene	ND		1.64	1.55		mg/kg wet		94	29 - 125
1-Methylnaphthalene	0.0669		1.64	1.14		mg/kg wet		65	19 - 120
2-Methylnaphthalene	0.0972		1.64	1.30		mg/kg wet		73	11 - 120

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
Terphenyl-d14	*90*		*18 - 120*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 11E5727-MS1
Matrix: Soil
Analysis Batch: U009075

Client Sample ID: NUE3609-13
Prep Type: Total
Prep Batch: 11E5727_P

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*14 - 120*
Nitrobenzene-d5	*64*		*17 - 120*

Lab Sample ID: 11E5727-MSD1
Matrix: Soil
Analysis Batch: U009075

Client Sample ID: NUE3609-13
Prep Type: Total
Prep Batch: 11E5727_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		1.62	1.08		mg/kg wet		67	42 - 120	32	40
Acenaphthylene	ND		1.62	0.915	R	mg/kg wet		57	32 - 120	33	30
Anthracene	ND		1.62	1.15		mg/kg wet		71	10 - 200	34	50
Benzo (a) anthracene	ND		1.62	1.12	R	mg/kg wet		69	41 - 120	32	30
Benzo (a) pyrene	ND		1.62	1.13		mg/kg wet		70	33 - 121	32	33
Benzo (b) fluoranthene	ND		1.62	1.19		mg/kg wet		74	26 - 137	35	42
Benzo (g,h,i) perylene	0.0438		1.62	1.11	R	mg/kg wet		66	21 - 124	33	32
Benzo (k) fluoranthene	ND		1.62	1.08		mg/kg wet		67	14 - 140	29	39
Chrysene	ND		1.62	1.10		mg/kg wet		68	28 - 123	32	34
Dibenz (a,h) anthracene	ND		1.62	1.12	R	mg/kg wet		69	25 - 127	34	31
Fluoranthene	ND		1.62	1.17		mg/kg wet		72	38 - 120	35	35
Fluorene	ND		1.62	1.15		mg/kg wet		71	41 - 120	32	37
Indeno (1,2,3-cd) pyrene	ND		1.62	1.13	R	mg/kg wet		70	25 - 123	33	32
Naphthalene	0.0758		1.62	0.968		mg/kg wet		55	25 - 120	29	42
Phenanthrene	ND		1.62	1.19	R	mg/kg wet		74	37 - 120	33	32
Pyrene	ND		1.62	1.13		mg/kg wet		70	29 - 125	31	40
1-Methylnaphthalene	0.0669		1.62	0.866		mg/kg wet		49	19 - 120	27	45
2-Methylnaphthalene	0.0972		1.62	0.980		mg/kg wet		54	11 - 120	28	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Terphenyl-d14	*67*		*18 - 120*
2-Fluorobiphenyl	*52*		*14 - 120*
Nitrobenzene-d5	*47*		*17 - 120*

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11E6637-DUP1
Matrix: Soil
Analysis Batch: 11E6637

Client Sample ID: NUE3562-04
Prep Type: Total
Prep Batch: 11E6637_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	93.3		95.9		%		3	20

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUE3716

GCMS Volatiles

Analysis Batch: U009511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E7001-BS1	11E7001-BS1	Total	Soil	SW846 8260B	11E7001_P
11E7001-BLK1	11E7001-BLK1	Total	Soil	SW846 8260B	11E7001_P
NUE3716-01	1296 Eagle	Total	Soil	SW846 8260B	11E7001_P
NUE3716-02	1217 Cardinal	Total	Soil	SW846 8260B	11E7001_P
11E7001-MS1	NUE4490-06	Total	Soil	SW846 8260B	11E7001_P
11E7001-MSD1	NUE4490-06	Total	Soil	SW846 8260B	11E7001_P

Prep Batch: 11E7001_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E7001-BS1	11E7001-BS1	Total	Soil	EPA 5035	
11E7001-BLK1	11E7001-BLK1	Total	Soil	EPA 5035	
NUE3716-01	1296 Eagle	Total	Soil	EPA 5035	
NUE3716-02	1217 Cardinal	Total	Soil	EPA 5035	
11E7001-MS1	NUE4490-06	Total	Soil	EPA 5035	
11E7001-MSD1	NUE4490-06	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: U009075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E5727-BLK1	11E5727-BLK1	Total	Soil	SW846 8270D	11E5727_P
11E5727-BS1	11E5727-BS1	Total	Soil	SW846 8270D	11E5727_P
11E5727-MS1	NUE3609-13	Total	Soil	SW846 8270D	11E5727_P
11E5727-MSD1	NUE3609-13	Total	Soil	SW846 8270D	11E5727_P
NUE3716-01	1296 Eagle	Total	Soil	SW846 8270D	11E5727_P
NUE3716-02	1217 Cardinal	Total	Soil	SW846 8270D	11E5727_P

Prep Batch: 11E5727_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E5727-BLK1	11E5727-BLK1	Total	Soil	EPA 3550C	
11E5727-BS1	11E5727-BS1	Total	Soil	EPA 3550C	
11E5727-MS1	NUE3609-13	Total	Soil	EPA 3550C	
11E5727-MSD1	NUE3609-13	Total	Soil	EPA 3550C	
NUE3716-01	1296 Eagle	Total	Soil	EPA 3550C	
NUE3716-02	1217 Cardinal	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 11E6637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E6637-DUP1	NUE3562-04	Total	Soil	SW-846	11E6637_P
NUE3716-01	1296 Eagle	Total	Soil	SW-846	11E6637_P
NUE3716-02	1217 Cardinal	Total	Soil	SW-846	11E6637_P

Prep Batch: 11E6637_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E6637-DUP1	NUE3562-04	Total	Soil	% Solids	
NUE3716-01	1296 Eagle	Total	Soil	% Solids	
NUE3716-02	1217 Cardinal	Total	Soil	% Solids	

Lab Chronicle

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUE3716

Client Sample ID: 1296 Eagle

Date Collected: 05/16/11 15:30
Date Received: 05/21/11 09:00

Lab Sample ID: NUE3716-01
Matrix: Soil
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.01	11E7001_P	05/16/11 15:30	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U009511	05/27/11 14:58	MJH/H	TAL NSH
Total	Prep	EPA 3550C		0.993	11E5727_P	05/23/11 14:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	U009075	05/24/11 17:43	JLF	TAL NSH
Total	Prep	% Solids		1.00	11E6637_P	05/26/11 16:00	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11E6637	05/27/11 10:24	AMS	TAL NSH

Client Sample ID: 1217 Cardinal

Date Collected: 05/17/11 15:45
Date Received: 05/21/11 09:00

Lab Sample ID: NUE3716-02
Matrix: Soil
Percent Solids: 77

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.14	11E7001_P	05/17/11 15:45	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U009511	05/27/11 15:27	MJH/H	TAL NSH
Total	Prep	EPA 3550C		0.978	11E5727_P	05/23/11 14:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	U009075	05/24/11 18:04	JLF	TAL NSH
Total	Prep	% Solids		1.00	11E6637_P	05/26/11 16:00	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11E6637	05/27/11 10:24	AMS	TAL NSH

Laboratory References:
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUE3716

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Polyaromatic Hydrocarbons by EPA 8270D		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: EEG - Small Business Group, Inc. (2449)
Project/Site: [none]

TestAmerica Job ID: NUE3716

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025	0	0453.07
TestAmerica Nashville	A2LA	WY UST	0	453.07
TestAmerica Nashville	AIHA	AIHA	0	100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA	0	3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA	0	S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

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.

06/06/2011

NUE3716
06/07/11 23:59

TestAmerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Project Manager: Tom McElwee email: mcelwee@eeginc.net
Telephone Number: 843.412.2097 **Fax No.:** (843) 879-0401
Sampler Name: (Print) Frank Shaw
Sampler Signature:

Site State: SC
PO#: 1027
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
1296 Eagle	5/16/11	1530	5	X					2				21						X		X	X				
1217 Cardinal	5/17/11	1545	5	X					2				21						X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
	5/20/11	0900	FEDEX		
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of 1	

GENERATOR

3. Generator's Mailing Address: MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907 4. Generator's Phone 843-228-6461	Generator's Site Address (If different than mailing):	A. Manifest Number WMNA 00316813 B. State Generator's ID
5. Transporter 1 Company Name EEG, INC.	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone 843-879-0411
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 843-987-4643

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC		Dry	5.45		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
James Baldwin	James Baldwin	8	2	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received State Use Only

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

I. OWNERSHIP OF UST (S)

MCAS Beaufort, 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	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
Facility Name or Company Site Identifier

1217 Cardinal Lane, Laurel Bay Military Housing Area
Street Address or State Road (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

A.	Product...(ex. Gas, Kerosene).....	1217 Cardinal-1	
B.	Capacity..(ex. 1k, 2k).....	Heating oil	
C.	Age.....	280 gal	
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s	
E.	Month/Year of Last Use.....	Steel	
F.	Depth (ft.) To Base of Tank.....	Mid 80s	
G.	Spill Prevention Equipment Y/N.....	6'6"	
H.	Overfill Prevention Equipment Y/N.....	No	
I.	Method of Closure Removed/Filled.....	No	
J.	Date Tanks Removed/Filled.....	Removed	
K.	Visible Corrosion or Pitting Y/N.....	11/20/2012	
L.	Visible Holes Y/N.....	Yes	
		Yes	

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)

UST 1217Cardinal-1 was removed from the ground, cleaned and recycled. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)

Contaminated water was pumped from UST 1217Cardinal-1 and disposed by MCAS.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST

Corrosion, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

A.	Construction Material..(ex. Steel, FRP).....	1217 Cardinal-1	
B.	Distance from UST to Dispenser.....	Steel & Copper	
C.	Number of Dispensers.....	N/A	
D.	Type of System Pressure or Suction.....	N/A	
E.	Was Piping Removed from the Ground? Y/N	Suction	
F.	Visible Corrosion or Pitting Y/N.....	No	
G.	Visible Holes Y/N.....	Yes	
H.	Age.....	No	
		Late 1950s	

I. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.

Corrosion and pitting were found on the surface of the steel vent pipe. Copper supply and return lines were sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

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.		X	
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.)		X	
C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		X	
D. Did contaminated soils remain stockpiled on site after closure? If yes, indicate the stockpile location on the site map. Name of DHEC representative authorizing soil removal:		X	
E. Was a petroleum sheen or free product detected on any excavation or boring waters? If yes, indicate location and thickness.		X	

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 #
1217 Cardinal	Excav at fill end	Soil	Sandy	6'6"	11/20/12 1515 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

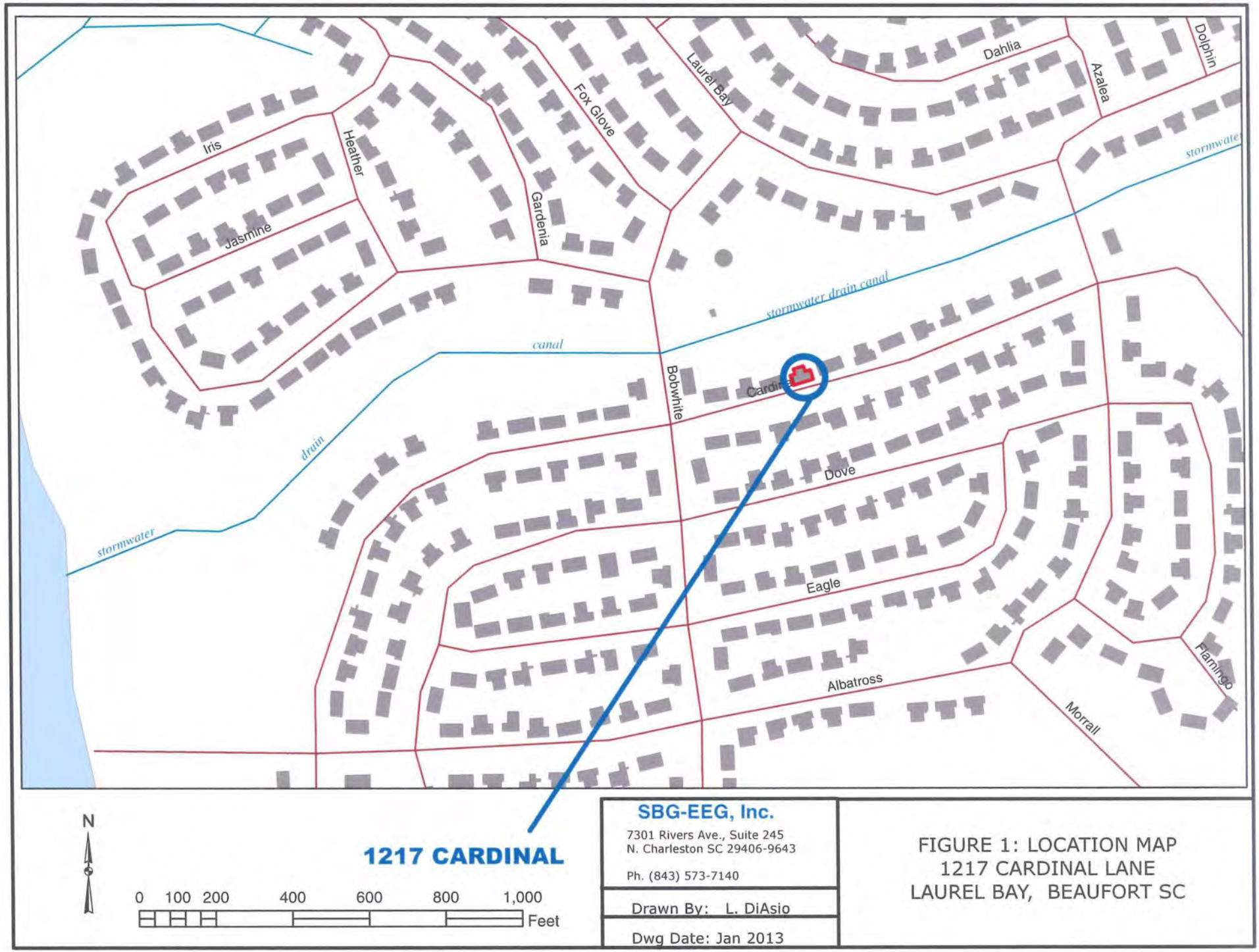
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Stormwater drainage canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
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 cable, fiber optic & geothermal If yes, indicate the type of utility, distance, and direction on the site map.	*X	
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? If yes, indicate the area of contaminated soil on the site map.		X

XIII. SITE MAP

You must supply a scaled 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)

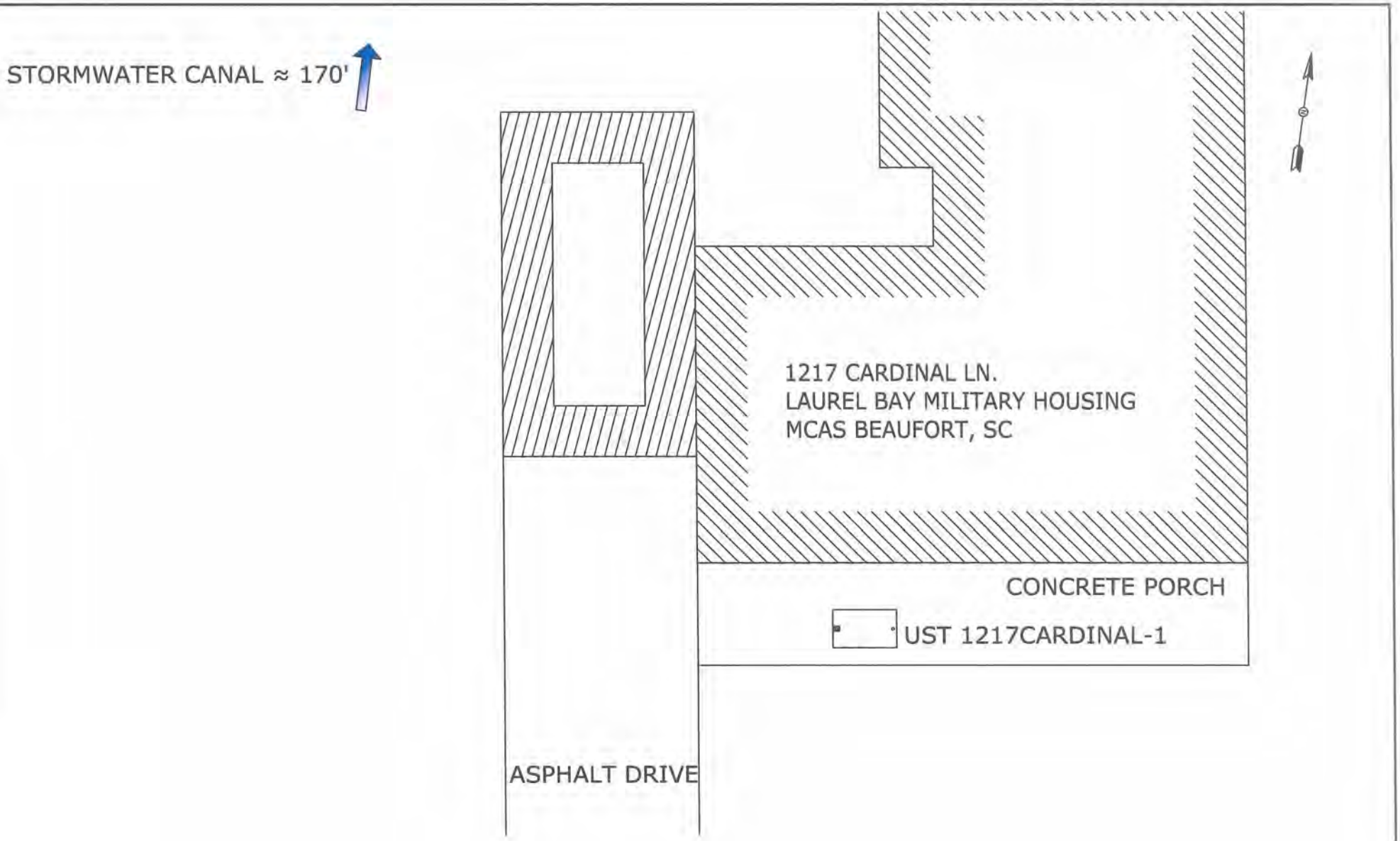


SBG-EEG, Inc.
7301 Rivers Ave., Suite 245
N. Charleston SC 29406-9643
Ph. (843) 573-7140

Drawn By: L. DiAsio

Dwg Date: Jan 2013

FIGURE 1: LOCATION MAP
1217 CARDINAL LANE
LAUREL BAY, BEAUFORT SC

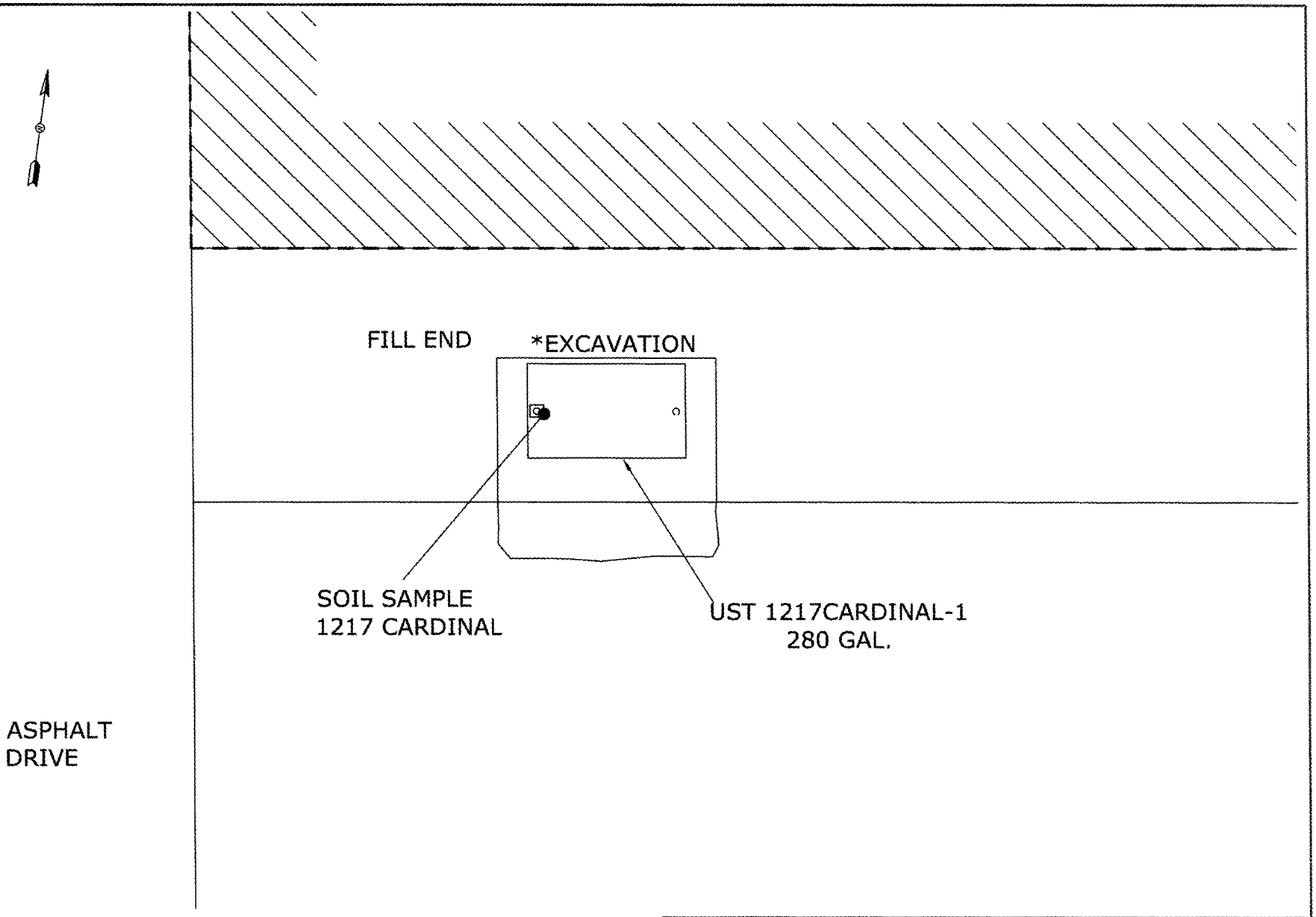


TANK DEPTH BELOW GRADE
1217CARDINAL-1 = 42"

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 2 SITE MAP
1217 CARDINAL LN., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JAN 2013



GRAPHIC SCALE
0 5'

*A PORTION OF THE CONCRETE PORCH WAS REMOVED TO FACILITATE TANK EXTRACTION.

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 3 SAMPLE LOCATION
1217 CARDINAL LN., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JAN 2013

Picture 1: Location of UST 1217Cardinal-1.

Picture 2: UST 1217Cardinal-1 excavation.

XIV. SUMMARY OF ANALYSIS RESULTS

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

CoC UST	1217Cardinal-1					
Benzene	ND					
Toluene	ND					
Ethylbenzene	ND					
Xylenes	ND					
Naphthalene	0.00567 mg/kg					
Benzo (a) anthracene	0.0753 mg/kg					
Benzo (b) fluoranthene	ND					
Benzo (k) fluoranthene	ND					
Chrysene	ND					
Dibenz (a, h) anthracene	ND					
TPH (EPA 3550)						

CoC							
Benzene							
Toluene							
Ethylbenzene							
Xylenes							
Naphthalene							
Benzo (a) anthracene							
Benzo (b) fluoranthene							
Benzo (k) fluoranthene							
Chrysene							
Dibenz (a, h) anthracene							
TPH (EPA 3550)							

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica

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: 490-12603-1
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:
12/4/2012 5:06:54 PM

Ken Hayes
Project Manager I
ken.hayes@testamericainc.com

Table of Contents

Sample Summary

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

TestAmerica Job ID: 490-12603-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-12603-1	1303 Eagle	Solid	11/19/12 14:05	11/27/12 07:50
490-12603-2	1216 Cardinal	Solid	11/19/12 14:45	11/27/12 07:50
490-12603-3	1217 Cardinal	Solid	11/20/12 15:15	11/27/12 07:50
490-12603-4	1344 Cardinal	Solid	11/21/12 14:30	11/27/12 07:50

Job ID: 490-12603-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-12603-1

Comments
No additional comments.

Receipt
The samples were received on 11/27/2012 7:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

GC/MS VOA
Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 40481. See LCS/LCSD

Method(s) 8260B: Reanalysis of the following sample(s) was performed outside of the analytical holding time: 1303 Eagle (490-12603-1).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1216 Cardinal (490-12603-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Reanalysis of the following sample(s) was performed outside of the analytical holding time: 1216 Cardinal (490-12603-2).

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): 1216 Cardinal (490-12603-2). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 40915. See LCS/LCSD

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): 1217 Cardinal (490-12603-3). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1217 Cardinal (490-12603-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The following sample(s) was diluted due to the nature of the sample matrix. Sample failed internal standards at a straight run.: 1216 Cardinal (490-12603-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep
Method(s) Moisture: The sample duplicate precision for the following sample associated with batch 39289 was outside control limits: (490-12603-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside control limits

GC/MS Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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

TestAmerica Job ID: 490-12603-1

Client Sample ID: 1303 Eagle
Date Collected: 11/19/12 14:05
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-1
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00251	0.000841	mg/Kg		11/27/12 15:37	12/01/12 20:45	1
Ethylbenzene	ND		0.00251	0.000841	mg/Kg		11/27/12 15:37	12/01/12 20:45	1
Naphthalene	ND	H	0.00613	0.00209	mg/Kg		11/27/12 15:37	12/04/12 15:06	1
Toluene	0.00108	J	0.00251	0.000928	mg/Kg		11/27/12 15:37	12/01/12 20:45	1
Xylenes, Total	0.00154	J	0.00627	0.000841	mg/Kg		11/27/12 15:37	12/01/12 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*11/27/12 15:37*	*12/01/12 20:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*11/27/12 15:37*	*12/04/12 15:06*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/27/12 15:37*	*12/01/12 20:45*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/27/12 15:37*	*12/04/12 15:06*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*	*11/27/12 15:37*	*12/01/12 20:45*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*11/27/12 15:37*	*12/04/12 15:06*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*11/27/12 15:37*	*12/01/12 20:45*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*11/27/12 15:37*	*12/04/12 15:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0659	0.00983	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Acenaphthylene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Anthracene	0.0420	J	0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Benzo[a]anthracene	0.0412	J	0.0659	0.0148	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Benzo[a]pyrene	0.0525	J	0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Benzo[b]fluoranthene	0.0724		0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Benzo[g,h,i]perylene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Benzo[k]fluoranthene	0.0604	J	0.0659	0.0138	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
1-Methylnaphthalene	ND		0.0659	0.0138	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Pyrene	0.223		0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Phenanthrene	0.0442	J	0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Chrysene	0.0592	J	0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Dibenz(a,h)anthracene	ND		0.0659	0.00688	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Fluoranthene	0.190		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Fluorene	ND		0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Indeno[1,2,3-cd]pyrene	ND		0.0659	0.00983	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
Naphthalene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 20:03	1
2-Methylnaphthalene	ND		0.0659	0.0157	mg/Kg		11/30/12 10:03	12/02/12 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*29 - 120*	*11/30/12 10:03*	*12/02/12 20:03*	*1*
Terphenyl-d14 (Surr)	*62*		*13 - 120*	*11/30/12 10:03*	*12/02/12 20:03*	*1*
Nitrobenzene-d5 (Surr)	*51*		*27 - 120*	*11/30/12 10:03*	*12/02/12 20:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10	0.10	%			11/27/12 16:03	1

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

TestAmerica Job ID: 490-12603-1

Client Sample ID: 1216 Cardinal

Date Collected: 11/19/12 14:45
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-2

Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00221	0.000740	mg/Kg		11/27/12 15:37	12/01/12 21:16	1
Ethylbenzene	ND		0.00221	0.000740	mg/Kg		11/27/12 15:37	12/01/12 21:16	1
Naphthalene	0.0118		0.00552	0.00188	mg/Kg		11/27/12 15:37	12/01/12 21:16	1
Toluene	ND		0.00221	0.000817	mg/Kg		11/27/12 15:37	12/01/12 21:16	1
Xylenes, Total	ND		0.00552	0.000740	mg/Kg		11/27/12 15:37	12/01/12 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*11/27/12 15:37*	*12/04/12 15:38*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:16*	*1*
4-Bromofluorobenzene (Surr)	*134*	*X*	*70 - 130*	*11/27/12 15:37*	*12/04/12 15:38*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:16*	*1*
Dibromofluoromethane (Surr)	*108*		*70 - 130*	*11/27/12 15:37*	*12/04/12 15:38*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:16*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*11/27/12 15:37*	*12/04/12 15:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.334	0.0498	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Acenaphthylene	ND		0.334	0.0448	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Anthracene	ND		0.334	0.0448	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Benzo[a]anthracene	ND		0.334	0.0747	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Benzo[a]pyrene	0.220	J	0.334	0.0598	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Benzo[b]fluoranthene	0.214	J	0.334	0.0598	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Benzo[g,h,i]perylene	ND		0.334	0.0448	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Benzo[k]fluoranthene	0.212	J	0.334	0.0697	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
1-Methylnaphthalene	ND		0.334	0.0697	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Pyrene	0.254	J	0.334	0.0598	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Phenanthrene	ND		0.334	0.0448	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Chrysene	ND		0.334	0.0448	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Dibenz(a,h)anthracene	ND		0.334	0.0349	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Fluoranthene	ND		0.334	0.0448	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Fluorene	ND		0.334	0.0598	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Indeno[1,2,3-cd]pyrene	ND		0.334	0.0498	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
Naphthalene	ND		0.334	0.0448	mg/Kg		11/30/12 10:03	12/03/12 04:24	5
2-Methylnaphthalene	ND		0.334	0.0797	mg/Kg		11/30/12 10:03	12/03/12 04:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*29 - 120*	*11/30/12 10:03*	*12/03/12 04:24*	*5*
Terphenyl-d14 (Surr)	*117*		*13 - 120*	*11/30/12 10:03*	*12/03/12 04:24*	*5*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*	*11/30/12 10:03*	*12/03/12 04:24*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10	0.10	%			11/27/12 16:03	1

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

TestAmerica Job ID: 490-12603-1

Client Sample ID: 1217 Cardinal

Date Collected: 11/20/12 15:15
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-3

Matrix: Solid
Percent Solids: 78.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00235	0.000787	mg/Kg		11/27/12 15:37	12/01/12 21:46	1
Ethylbenzene	ND		0.00235	0.000787	mg/Kg		11/27/12 15:37	12/01/12 21:46	1
Naphthalene	0.00567	J	0.00588	0.00200	mg/Kg		11/27/12 15:37	12/01/12 21:46	1
Toluene	ND		0.00235	0.000870	mg/Kg		11/27/12 15:37	12/01/12 21:46	1
Xylenes, Total	ND		0.00588	0.000787	mg/Kg		11/27/12 15:37	12/01/12 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*11/27/12 15:37*	*12/04/12 16:09*	*1*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:46*	*1*
4-Bromofluorobenzene (Surr)	*155*	*X*	*70 - 130*	*11/27/12 15:37*	*12/04/12 16:09*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:46*	*1*
Dibromofluoromethane (Surr)	*108*		*70 - 130*	*11/27/12 15:37*	*12/04/12 16:09*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*11/27/12 15:37*	*12/01/12 21:46*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*11/27/12 15:37*	*12/04/12 16:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0668	0.00998	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Acenaphthylene	ND		0.0668	0.00898	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Anthracene	ND		0.0668	0.00898	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Benzo[a]anthracene	0.0753		0.0668	0.0150	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Benzo[a]pyrene	ND		0.0668	0.0120	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Benzo[b]fluoranthene	ND		0.0668	0.0120	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Benzo[g,h,i]perylene	ND		0.0668	0.00898	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Benzo[k]fluoranthene	ND		0.0668	0.0140	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
1-Methylnaphthalene	0.314		0.0668	0.0140	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Pyrene	0.412		0.0668	0.0120	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Phenanthrene	ND		0.0668	0.00898	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Chrysene	ND		0.0668	0.00898	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Dibenz(a,h)anthracene	ND		0.0668	0.00698	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Fluoranthene	ND		0.0668	0.00898	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Fluorene	ND		0.0668	0.0120	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Indeno[1,2,3-cd]pyrene	ND		0.0668	0.00998	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
Naphthalene	ND		0.0668	0.00898	mg/Kg		11/30/12 10:03	12/02/12 21:35	1
2-Methylnaphthalene	0.208		0.0668	0.0160	mg/Kg		11/30/12 10:03	12/02/12 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*44*		*29 - 120*	*11/30/12 10:03*	*12/02/12 21:35*	*1*
Terphenyl-d14 (Surr)	*55*		*13 - 120*	*11/30/12 10:03*	*12/02/12 21:35*	*1*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*	*11/30/12 10:03*	*12/02/12 21:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10	0.10	%			11/27/12 16:03	1

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

TestAmerica Job ID: 490-12603-1

Client Sample ID: 1344 Cardinal
Date Collected: 11/21/12 14:30
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-4
Matrix: Solid
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00229	0.000767	mg/Kg		11/27/12 15:37	12/01/12 22:17	1
Ethylbenzene	ND		0.00229	0.000767	mg/Kg		11/27/12 15:37	12/01/12 22:17	1
Naphthalene	0.00287	J	0.00572	0.00195	mg/Kg		11/27/12 15:37	12/01/12 22:17	1
Toluene	ND		0.00229	0.000847	mg/Kg		11/27/12 15:37	12/01/12 22:17	1
Xylenes, Total	ND		0.00572	0.000767	mg/Kg		11/27/12 15:37	12/01/12 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*11/27/12 15:37*	*12/01/12 22:17*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/27/12 15:37*	*12/01/12 22:17*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*11/27/12 15:37*	*12/01/12 22:17*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*11/27/12 15:37*	*12/01/12 22:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0659	0.00983	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Acenaphthylene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Anthracene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Benzo[a]anthracene	ND		0.0659	0.0148	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Benzo[a]pyrene	ND		0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Benzo[b]fluoranthene	ND		0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Benzo[g,h,i]perylene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Benzo[k]fluoranthene	ND		0.0659	0.0138	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
1-Methylnaphthalene	ND		0.0659	0.0138	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Pyrene	ND		0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Phenanthrene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Chrysene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Dibenz(a,h)anthracene	ND		0.0659	0.00688	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Fluoranthene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Fluorene	ND		0.0659	0.0118	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Indeno[1,2,3-cd]pyrene	ND		0.0659	0.00983	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
Naphthalene	ND		0.0659	0.00885	mg/Kg		11/30/12 10:03	12/02/12 21:58	1
2-Methylnaphthalene	ND		0.0659	0.0157	mg/Kg		11/30/12 10:03	12/02/12 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*29 - 120*	*11/30/12 10:03*	*12/02/12 21:58*	*1*
Terphenyl-d14 (Surr)	*57*		*13 - 120*	*11/30/12 10:03*	*12/02/12 21:58*	*1*
Nitrobenzene-d5 (Surr)	*43*		*27 - 120*	*11/30/12 10:03*	*12/02/12 21:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10	0.10	%			11/27/12 16:03	1

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

Lab Sample ID: MB 490-40481/7
Matrix: Solid
Analysis Batch: 40481

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0335	mg/Kg			12/01/12 14:33	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			12/01/12 14:33	1
Naphthalene	ND		0.250	0.0850	mg/Kg			12/01/12 14:33	1
Toluene	ND		0.100	0.0370	mg/Kg			12/01/12 14:33	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			12/01/12 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*12/01/12 14:33*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*12/01/12 14:33*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*		*12/01/12 14:33*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/01/12 14:33*	*1*

Lab Sample ID: MB 490-40481/8
Matrix: Solid
Analysis Batch: 40481

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			12/01/12 15:03	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			12/01/12 15:03	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			12/01/12 15:03	1
Toluene	ND		0.00200	0.000740	mg/Kg			12/01/12 15:03	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			12/01/12 15:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*12/01/12 15:03*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*12/01/12 15:03*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*12/01/12 15:03*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/01/12 15:03*	*1*

Lab Sample ID: LCS 490-40481/5
Matrix: Solid
Analysis Batch: 40481

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 490-40481/4
Matrix: Solid
Analysis Batch: 40481

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05442		mg/Kg		109	75 - 127	3	50
Ethylbenzene	0.0500	0.05429		mg/Kg		109	80 - 134	3	50
Naphthalene	0.0500	0.04725		mg/Kg		95	69 - 150	4	50

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

Lab Sample ID: LCSD 490-40481/4
Matrix: Solid
Analysis Batch: 40481

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.0500	0.05519		mg/Kg		110	80 - 132	1	50
Xylenes, Total	0.150	0.1670		mg/Kg		111	80 - 137	4	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 490-40915/6
Matrix: Solid
Analysis Batch: 40915

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			12/04/12 11:59	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			12/04/12 11:59	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			12/04/12 11:59	1
Toluene	ND		0.00200	0.000740	mg/Kg			12/04/12 11:59	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			12/04/12 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*12/04/12 11:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*12/04/12 11:59*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*12/04/12 11:59*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/04/12 11:59*	*1*

Lab Sample ID: MB 490-40915/7
Matrix: Solid
Analysis Batch: 40915

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0335	mg/Kg			12/04/12 12:30	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			12/04/12 12:30	1
Naphthalene	ND		0.250	0.0850	mg/Kg			12/04/12 12:30	1
Toluene	ND		0.100	0.0370	mg/Kg			12/04/12 12:30	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			12/04/12 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*12/04/12 12:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*12/04/12 12:30*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*12/04/12 12:30*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/04/12 12:30*	*1*

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

Lab Sample ID: LCS 490-40915/3
Matrix: Solid
Analysis Batch: 40915

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05053		mg/Kg		101	75 - 127
Ethylbenzene	0.0500	0.04780		mg/Kg		96	80 - 134
Naphthalene	0.0500	0.04802		mg/Kg		96	69 - 150
Toluene	0.0500	0.04777		mg/Kg		96	80 - 132
Xylenes, Total	0.150	0.1448		mg/Kg		97	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 490-40915/4
Matrix: Solid
Analysis Batch: 40915

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05354		mg/Kg		107	75 - 127	6	50
Ethylbenzene	0.0500	0.05060		mg/Kg		101	80 - 134	6	50
Naphthalene	0.0500	0.05225		mg/Kg		104	69 - 150	8	50
Toluene	0.0500	0.05097		mg/Kg		102	80 - 132	6	50
Xylenes, Total	0.150	0.1549		mg/Kg		103	80 - 137	7	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 490-40156/1-A
Matrix: Solid
Analysis Batch: 40605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Anthracene	ND		0.0670	0.00900	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Pyrene	ND		0.0670	0.0120	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		11/30/12 10:03	12/02/12 19:17	1

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

Lab Sample ID: MB 490-40156/1-A
Matrix: Solid
Analysis Batch: 40605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.0670	0.00900	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Fluorene	ND		0.0670	0.0120	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		11/30/12 10:03	12/02/12 19:17	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		11/30/12 10:03	12/02/12 19:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*29 - 120*	*11/30/12 10:03*	*12/02/12 19:17*	*1*
Terphenyl-d14 (Surr)	*83*		*13 - 120*	*11/30/12 10:03*	*12/02/12 19:17*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*	*11/30/12 10:03*	*12/02/12 19:17*	*1*

Lab Sample ID: LCS 490-40156/2-A
Matrix: Solid
Analysis Batch: 40605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.077		mg/Kg		65	38 - 120
Anthracene	1.67	1.176		mg/Kg		71	46 - 124
Benzo[a]anthracene	1.67	1.220		mg/Kg		73	45 - 120
Benzo[a]pyrene	1.67	0.9825		mg/Kg		59	45 - 120
Benzo[b]fluoranthene	1.67	1.076		mg/Kg		65	42 - 120
Benzo[g,h,i]perylene	1.67	1.172		mg/Kg		70	38 - 120
Benzo[k]fluoranthene	1.67	1.099		mg/Kg		66	42 - 120
1-Methylnaphthalene	1.67	1.163		mg/Kg		70	32 - 120
Pyrene	1.67	1.123		mg/Kg		67	43 - 120
Phenanthrene	1.67	1.266		mg/Kg		76	45 - 120
Chrysene	1.67	1.261		mg/Kg		76	43 - 120
Dibenz(a,h)anthracene	1.67	1.430		mg/Kg		86	32 - 128
Fluoranthene	1.67	0.9351		mg/Kg		56	46 - 120
Fluorene	1.67	1.152		mg/Kg		69	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.435		mg/Kg		86	41 - 121
Naphthalene	1.67	1.117		mg/Kg		67	32 - 120
2-Methylnaphthalene	1.67	1.079		mg/Kg		65	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*62*		*29 - 120*
Terphenyl-d14 (Surr)	*69*		*13 - 120*
Nitrobenzene-d5 (Surr)	*49*		*27 - 120*

Lab Sample ID: 490-12603-1 MS
Matrix: Solid
Analysis Batch: 40605

Client Sample ID: 1303 Eagle
Prep Type: Total/NA
Prep Batch: 40156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		1.64	1.215		mg/Kg		74	25 - 120
Anthracene	0.0420	J	1.64	1.181		mg/Kg		70	28 - 125

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

Lab Sample ID: 490-12603-1 MS
Matrix: Solid
Analysis Batch: 40605

Client Sample ID: 1303 Eagle
Prep Type: Total/NA
Prep Batch: 40156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	0.0412	J	1.64	1.202		mg/Kg		71	23 - 120
Benzo[a]pyrene	0.0525	J	1.64	1.022		mg/Kg		59	15 - 128
Benzo[b]fluoranthene	0.0724		1.64	1.013		mg/Kg		58	12 - 133
Benzo[g,h,i]perylene	ND		1.64	1.498		mg/Kg		92	22 - 120
Benzo[k]fluoranthene	0.0604	J	1.64	0.9339		mg/Kg		53	28 - 120
1-Methylnaphthalene	ND		1.64	1.044		mg/Kg		64	10 - 120
Pyrene	0.223		1.64	1.321		mg/Kg		67	20 - 123
Phenanthrene	0.0442	J	1.64	1.216		mg/Kg		72	21 - 122
Chrysene	0.0592	J	1.64	1.240		mg/Kg		72	20 - 120
Dibenz(a,h)anthracene	ND		1.64	1.413		mg/Kg		86	12 - 128
Fluoranthene	0.190		1.64	0.9990		mg/Kg		49	10 - 143
Fluorene	ND		1.64	1.048		mg/Kg		64	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.64	1.396		mg/Kg		85	22 - 121
Naphthalene	ND		1.64	1.086		mg/Kg		66	10 - 120
2-Methylnaphthalene	ND		1.64	1.073		mg/Kg		66	13 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*61*		*29 - 120*
Terphenyl-d14 (Surr)	*73*		*13 - 120*
Nitrobenzene-d5 (Surr)	*43*		*27 - 120*

Lab Sample ID: 490-12603-1 MSD
Matrix: Solid
Analysis Batch: 40605

Client Sample ID: 1303 Eagle
Prep Type: Total/NA
Prep Batch: 40156

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	ND		1.65	1.225		mg/Kg		74	25 - 120	1	50
Anthracene	0.0420	J	1.65	1.227		mg/Kg		72	28 - 125	4	49
Benzo[a]anthracene	0.0412	J	1.65	1.254		mg/Kg		74	23 - 120	4	50
Benzo[a]pyrene	0.0525	J	1.65	1.096		mg/Kg		63	15 - 128	7	50
Benzo[b]fluoranthene	0.0724		1.65	1.380		mg/Kg		79	12 - 133	31	50
Benzo[g,h,i]perylene	ND		1.65	1.949		mg/Kg		118	22 - 120	26	50
Benzo[k]fluoranthene	0.0604	J	1.65	1.374		mg/Kg		80	28 - 120	38	45
1-Methylnaphthalene	ND		1.65	1.149		mg/Kg		70	10 - 120	10	50
Pyrene	0.223		1.65	1.272		mg/Kg		64	20 - 123	4	50
Phenanthrene	0.0442	J	1.65	1.352		mg/Kg		79	21 - 122	11	50
Chrysene	0.0592	J	1.65	1.348		mg/Kg		78	20 - 120	8	49
Dibenz(a,h)anthracene	ND		1.65	1.962		mg/Kg		119	12 - 128	33	50
Fluoranthene	0.190		1.65	0.8772		mg/Kg		42	10 - 143	13	50
Fluorene	ND		1.65	1.031		mg/Kg		63	20 - 120	2	50
Indeno[1,2,3-cd]pyrene	ND		1.65	1.969		mg/Kg		119	22 - 121	34	50
Naphthalene	ND		1.65	1.163		mg/Kg		71	10 - 120	7	50
2-Methylnaphthalene	ND		1.65	1.138		mg/Kg		69	13 - 120	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*78*		*29 - 120*
Terphenyl-d14 (Surr)	*68*		*13 - 120*

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

Lab Sample ID: 490-12603-1 MSD
Matrix: Solid
Analysis Batch: 40605

Client Sample ID: 1303 Eagle
Prep Type: Total/NA
Prep Batch: 40156

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*42*		*27 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-12603-1 DU
Matrix: Solid
Analysis Batch: 39289

Client Sample ID: 1303 Eagle
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	91		98		%		8	20

GC/MS VOA

Prep Batch: 39276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-12603-1	1303 Eagle	Total/NA	Solid	5035	
490-12603-1	1303 Eagle	Total/NA	Solid	5035	
490-12603-2	1216 Cardinal	Total/NA	Solid	5035	
490-12603-2	1216 Cardinal	Total/NA	Solid	5035	
490-12603-3	1217 Cardinal	Total/NA	Solid	5035	
490-12603-3	1217 Cardinal	Total/NA	Solid	5035	
490-12603-4	1344 Cardinal	Total/NA	Solid	5035	

Analysis Batch: 40481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-12603-1	1303 Eagle	Total/NA	Solid	8260B	39276
490-12603-2	1216 Cardinal	Total/NA	Solid	8260B	39276
490-12603-3	1217 Cardinal	Total/NA	Solid	8260B	39276
490-12603-4	1344 Cardinal	Total/NA	Solid	8260B	39276
LCS 490-40481/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-40481/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-40481/7	Method Blank	Total/NA	Solid	8260B	
MB 490-40481/8	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 40915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-12603-1	1303 Eagle	Total/NA	Solid	8260B	39276
490-12603-2	1216 Cardinal	Total/NA	Solid	8260B	39276
490-12603-3	1217 Cardinal	Total/NA	Solid	8260B	39276
LCS 490-40915/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-40915/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-40915/6	Method Blank	Total/NA	Solid	8260B	
MB 490-40915/7	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 40156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-12603-1	1303 Eagle	Total/NA	Solid	3550C	
490-12603-1 MS	1303 Eagle	Total/NA	Solid	3550C	
490-12603-1 MSD	1303 Eagle	Total/NA	Solid	3550C	
490-12603-2	1216 Cardinal	Total/NA	Solid	3550C	
490-12603-3	1217 Cardinal	Total/NA	Solid	3550C	
490-12603-4	1344 Cardinal	Total/NA	Solid	3550C	
LCS 490-40156/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-40156/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 40605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-12603-1	1303 Eagle	Total/NA	Solid	8270D	40156
490-12603-1 MS	1303 Eagle	Total/NA	Solid	8270D	40156
490-12603-1 MSD	1303 Eagle	Total/NA	Solid	8270D	40156
490-12603-2	1216 Cardinal	Total/NA	Solid	8270D	40156
490-12603-3	1217 Cardinal	Total/NA	Solid	8270D	40156
490-12603-4	1344 Cardinal	Total/NA	Solid	8270D	40156

GC/MS Semi VOA (Continued)

Analysis Batch: 40605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-40156/2-A	Lab Control Sample	Total/NA	Solid	8270D	40156
MB 490-40156/1-A	Method Blank	Total/NA	Solid	8270D	40156

General Chemistry

Analysis Batch: 39289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-12603-1	1303 Eagle	Total/NA	Solid	Moisture	
490-12603-1 DU	1303 Eagle	Total/NA	Solid	Moisture	
490-12603-2	1216 Cardinal	Total/NA	Solid	Moisture	
490-12603-3	1217 Cardinal	Total/NA	Solid	Moisture	
490-12603-4	1344 Cardinal	Total/NA	Solid	Moisture	

Client Sample ID: 1303 Eagle

Date Collected: 11/19/12 14:05
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-1
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			39276	11/27/12 15:37	ML	TAL NSH
Total/NA	Analysis	8260B		1	40481	12/01/12 20:45	KK	TAL NSH
Total/NA	Prep	5035			39276	11/27/12 15:37	ML	TAL NSH
Total/NA	Analysis	8260B		1	40915	12/04/12 15:06	KK	TAL NSH
Total/NA	Prep	3550C			40156	11/30/12 10:03	AK	TAL NSH
Total/NA	Analysis	8270D		1	40605	12/02/12 20:03	JS	TAL NSH
Total/NA	Analysis	Moisture		1	39289	11/27/12 16:03	RS	TAL NSH

Client Sample ID: 1216 Cardinal

Date Collected: 11/19/12 14:45
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-2
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			39276	11/27/12 15:37	ML	TAL NSH
Total/NA	Analysis	8260B		1	40481	12/01/12 21:16	KK	TAL NSH
Total/NA	Prep	5035			39276	11/27/12 15:37	ML	TAL NSH
Total/NA	Analysis	8260B		1	40915	12/04/12 15:38	KK	TAL NSH
Total/NA	Prep	3550C			40156	11/30/12 10:03	AK	TAL NSH
Total/NA	Analysis	8270D		5	40605	12/03/12 04:24	JS	TAL NSH
Total/NA	Analysis	Moisture		1	39289	11/27/12 16:03	RS	TAL NSH

Client Sample ID: 1217 Cardinal

Date Collected: 11/20/12 15:15
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-3
Matrix: Solid
Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			39276	11/27/12 15:37	ML	TAL NSH
Total/NA	Analysis	8260B		1	40481	12/01/12 21:46	KK	TAL NSH
Total/NA	Prep	5035			39276	11/27/12 15:37	ML	TAL NSH
Total/NA	Analysis	8260B		1	40915	12/04/12 16:09	KK	TAL NSH
Total/NA	Prep	3550C			40156	11/30/12 10:03	AK	TAL NSH
Total/NA	Analysis	8270D		1	40605	12/02/12 21:35	JS	TAL NSH
Total/NA	Analysis	Moisture		1	39289	11/27/12 16:03	RS	TAL NSH

Client Sample ID: 1344 Cardinal

Date Collected: 11/21/12 14:30
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-4
Matrix: Solid
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			39276	11/27/12 15:37	ML	TAL NSH
Total/NA	Analysis	8260B		1	40481	12/01/12 22:17	KK	TAL NSH
Total/NA	Prep	3550C			40156	11/30/12 10:03	AK	TAL NSH
Total/NA	Analysis	8270D		1	40605	12/02/12 21:58	JS	TAL NSH

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

TestAmerica Job ID: 490-12603-1

Client Sample ID: 1344 Cardinal
Date Collected: 11/21/12 14:30
Date Received: 11/27/12 07:50

Lab Sample ID: 490-12603-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	39289	11/27/12 16:03	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 Project

TestAmerica Job ID: 490-12603-1

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 Project

TestAmerica Job ID: 490-12603-1

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
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	10-31-13
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	10-31-13
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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-12603 Chain of Custody

Cooler Received/Opened On 11/27/2012 @ 0750

1. Tracking # 6117 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 1.8 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: 1) Front

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) (AW)

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..(NO)..NA -Bolls

14. Was there a Trip Blank in this cooler? YES...NO..(NA) If multiple coolers, sequence # N/A

I certify that I unloaded the cooler and answered questions 7-14 (intial) (AW)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) (AW)

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) (AW)

I certify that I attached a label with the unique LIMS number to each container (intial) (AW)

21. Were there Non-Conformance issues at login? YES...(NO) Was a PIPE generated? YES..(NO)..#_____

BIS = Broken in shipment

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

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

PO#: 1063

Telephone Number: 843.412.2097 Fax No.: 843-879-0401

TA Quote #:

Sampler Name: (Print) Chris Tunstall

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label) Soil, Water, Sludge	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass (Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	Loc: 490 12603	RUSH TAT (Pre-Schedule)
1303 Eagle	11/19/12	1405	4	X					2				3	1					X		X	X		

Special Instructions:

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
Chris Tunstall	11-26-12	0900	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			1.8 TAN	11-27-12	07:50

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

To assist us in using the proper analytical procedures, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Project Manager: Tom McElwee email: mcelwee@eeginc.net
Telephone Number: 843.412.2097 Fax No.: 843-879-0401
Sampler Name: (Print) Pratt Shaw
Sampler Signature:

Site State: SC
PO#: 1063
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label) Sod Bisulfate	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass(Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	RUSH TAT (Pre-Schedule)
1216 Cardinal	11/19/12	1445	5	X					2				2	1					X		X	X	
1217 Cardinal	11/20/12	1515	5	X					2				2	1					X		X	X	
1344 Cardinal	11/21/12	1430	5	X					2				2	1					X		X	X	

Loc: 490
12603

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	11/26/12	0900	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			1.8 TAN	11-27-12	07:50

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y

Login Sample Receipt Checklist

Client: Environmental Enterprise Group

Job Number: 490-12603-1

Login Number: 12603
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised 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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

Small Business Group, Inc.
7301 Rivers Avenue, Suite 245
N. Charleston SC 29406-4643

TEL (843) 879-0403
FAX (843) 879-0401

TANK ID & LOCATION

UST 1217 Cardinal-1, 1217 Cardinal Lane, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

Coastal Auto Salvage Co., Inc.
130 Laurel Bay Road
Beaufort, S.C. 29906

TYPE OF TANK	SIZE (GAL)
Steel	280

CLEANING/DISPOSAL METHOD

The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

DISPOSAL CERTIFICATION

I certify that the above tank, piping and equipment has been properly cleaned and disposed of.

T. L. O'Dell / 1/16/13

(Name) (Date)

Appendix C
Regulatory Correspondence

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

July 1, 2015

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

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

Dear Mr. Drawdy,

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

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

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

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

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

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

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

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

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