SUMMARY REPORT
278 EAGLE LANE (FORMERLY 1405 EAGLE LANE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 2021

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Prepared by:

CDM - AECOM
Multimedia Joint Venture

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10560 Arrowhead Drive, Suite 500
Fairfax, Virginia 22030

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

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List of Acronyms

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CTO	Contract Task Order
COPC	constituents of potential concern
ft	feet
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 278 Eagle Lane (Formerly 1405 Eagle 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 278 Eagle Lane (Formerly 1405 Eagle Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1405 Eagle Lane* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

On May 10, 2011, a single 280 gallon heating oil UST was removed from the back yard adjacent to the car port at 278 Eagle Lane (Formerly 1405 Eagle Lane). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed, cleaned, and shipped offsite for recycling. There was no visual evidence (i.e.,

staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 6'5" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of the excavation and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment guidelines.

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 278 Eagle Lane (Formerly 1405 Eagle Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated April 7, 2015, SCDHEC requested an IGWA for 278 Eagle Lane (Formerly 1405 Eagle Lane) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On June 19, 2015, a temporary monitoring well was installed at 278 Eagle Lane (Formerly 1405 Eagle Lane), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015).

2.4 Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 2. A copy of the laboratory analytical data report is included in Appendix C.

The groundwater results collected from 278 Eagle Lane (Formerly 1405 Eagle Lane) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 278 Eagle Lane (Formerly 1405 Eagle Lane). This NFA determination was obtained in a letter dated February 22, 2016. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1405 Eagle Lane, Laurel Bay Military Housing Area*, September 2011.

Resolution Consultants, 2015. *Initial Groundwater Investigation Report – May and June 2015 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, October 2015.

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

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2015. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division*, Revision 3.0*, May 2015.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division*, Revision 3.1*, February 2016.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2017. *R.61-92, Part 280, Underground Storage Tank Control Regulations*, March 2017.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2018. *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, March 2018.

South Carolina Department of Health and Environmental Control Bureau of Water, 2016. *R.61-71, Well Standards*, June 2016.

Tables

Table 1
Laboratory Analytical Results - Soil
278 Eagle Lane (Formerly 1405 Eagle Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [(1)]	Results Sample Collected 05/10/11
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	**0.00130**
Naphthalene	0.036	ND
Toluene	0.627	**0.00176**
Xylenes, Total	13.01	**0.00761**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

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

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 - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
278 Eagle Lane (Formerly 1405 Eagle Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs (µg/L)[2]	Results Sample Collected 06/18/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	**5.5**
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	**1.3**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

[2] Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of $1x10^{-6}$, a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

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

RBSL - Risk-Based Screening Level

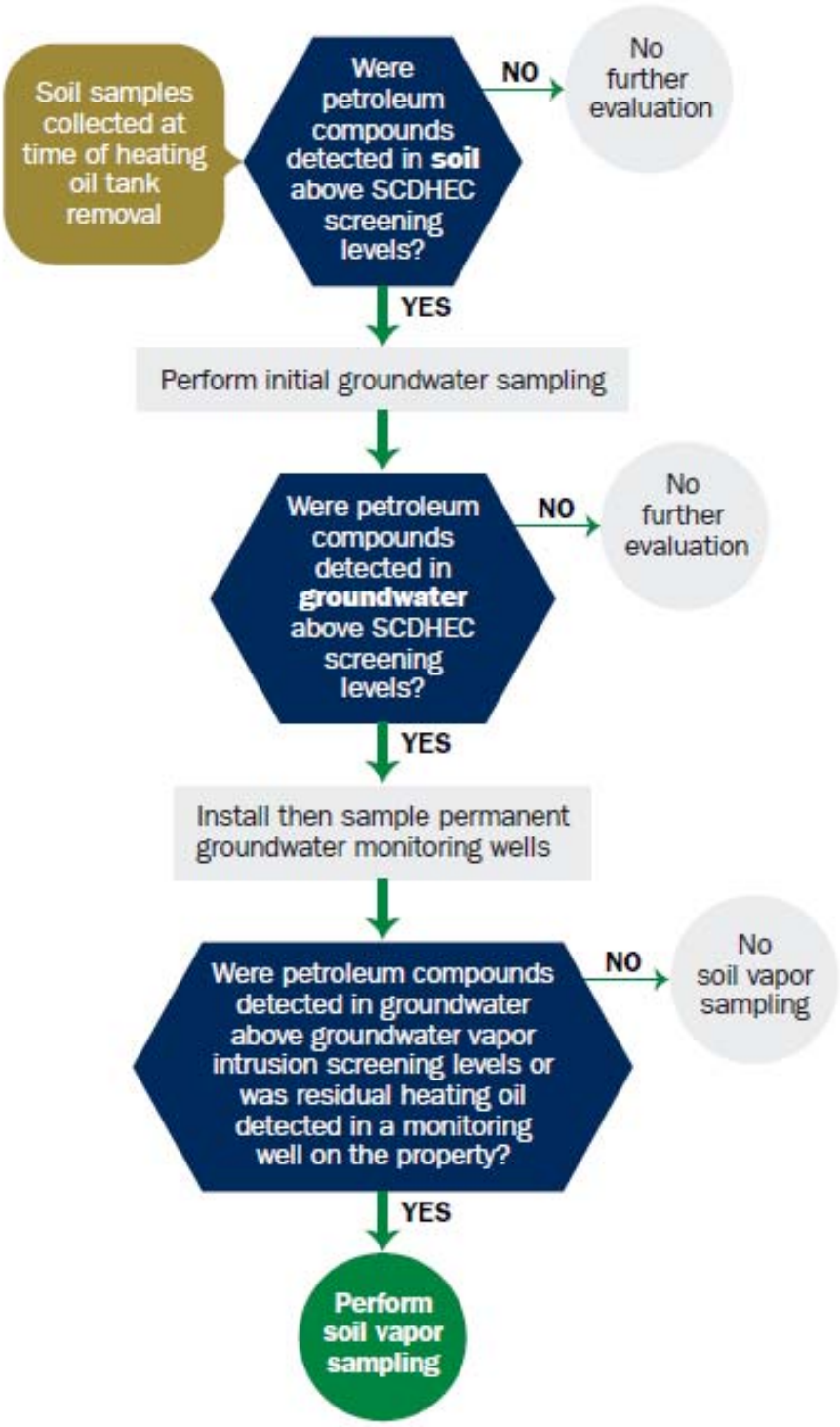
SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

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 Report

CDM - AECOM
Multimedia Joint Venture

Rec'd 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

1405 Eagle 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

1405Eagle				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
6'5"				
No				
No				
Removed				
5/10/2011				
Yes				
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 1405Eagle 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 1405Eagle had been 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

1405Eagle				
Steel & Copper				
N/A				
N/A				
Suction				
No				
Yes				
No				
Late 1950s				

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

B. Distance from UST to Dispenser.....

C. Number of Dispensers.....

D. Type of System Pressure or Suction.....

E. Was Piping Removed from the Ground? Y/N

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

G. Visible Holes Y/N.....

H. Age.....

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. The copper supply and return lines were sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated 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 #
1405 Eagle	Excav at fill end	Soil	Sandy	6'5"	5/10/11 1515 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

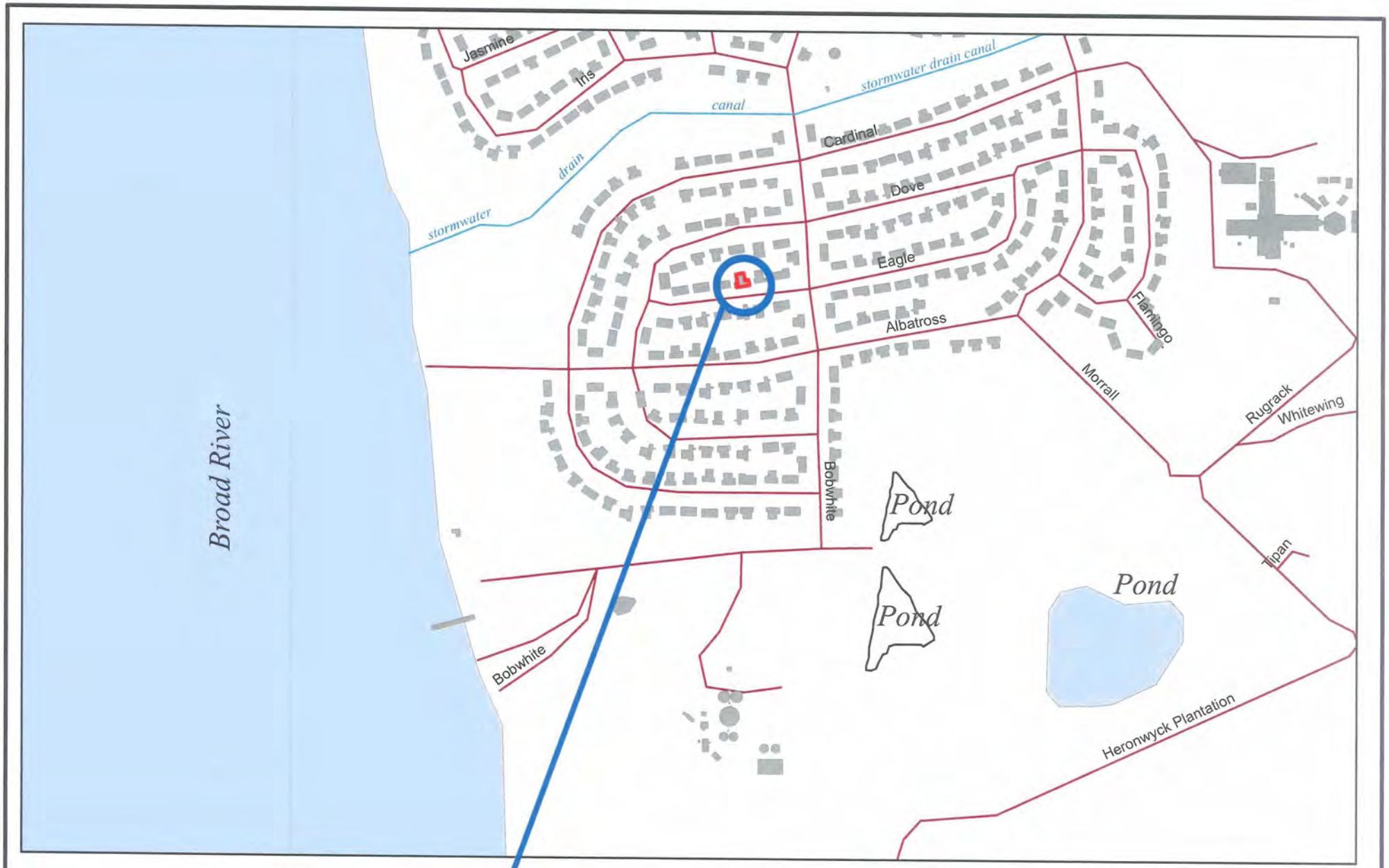
XI. SAMPLING METHODOLOGY

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? *Approx 645' to stormwater canal & 990' to pond 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

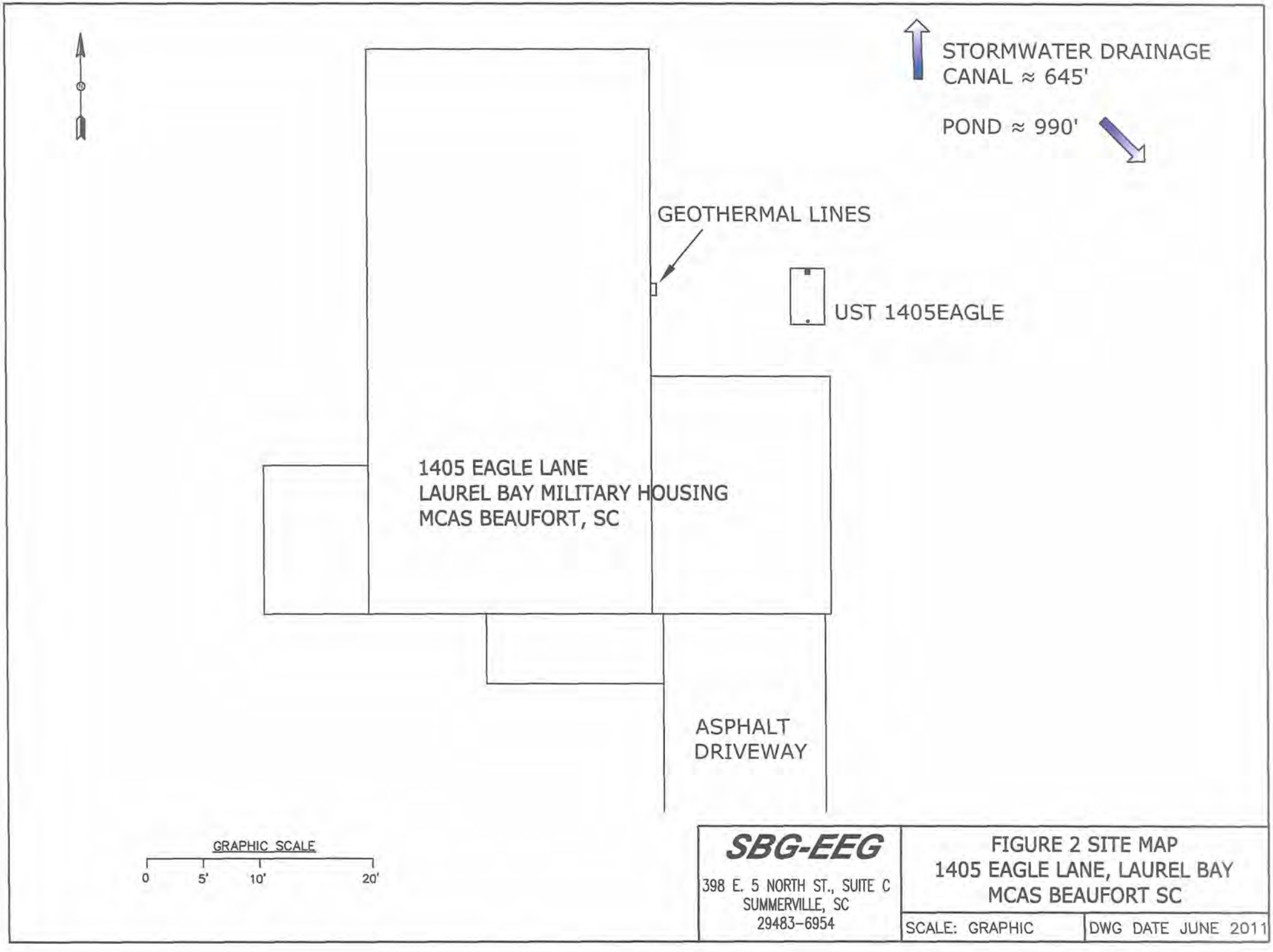


SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: JUNE 2011

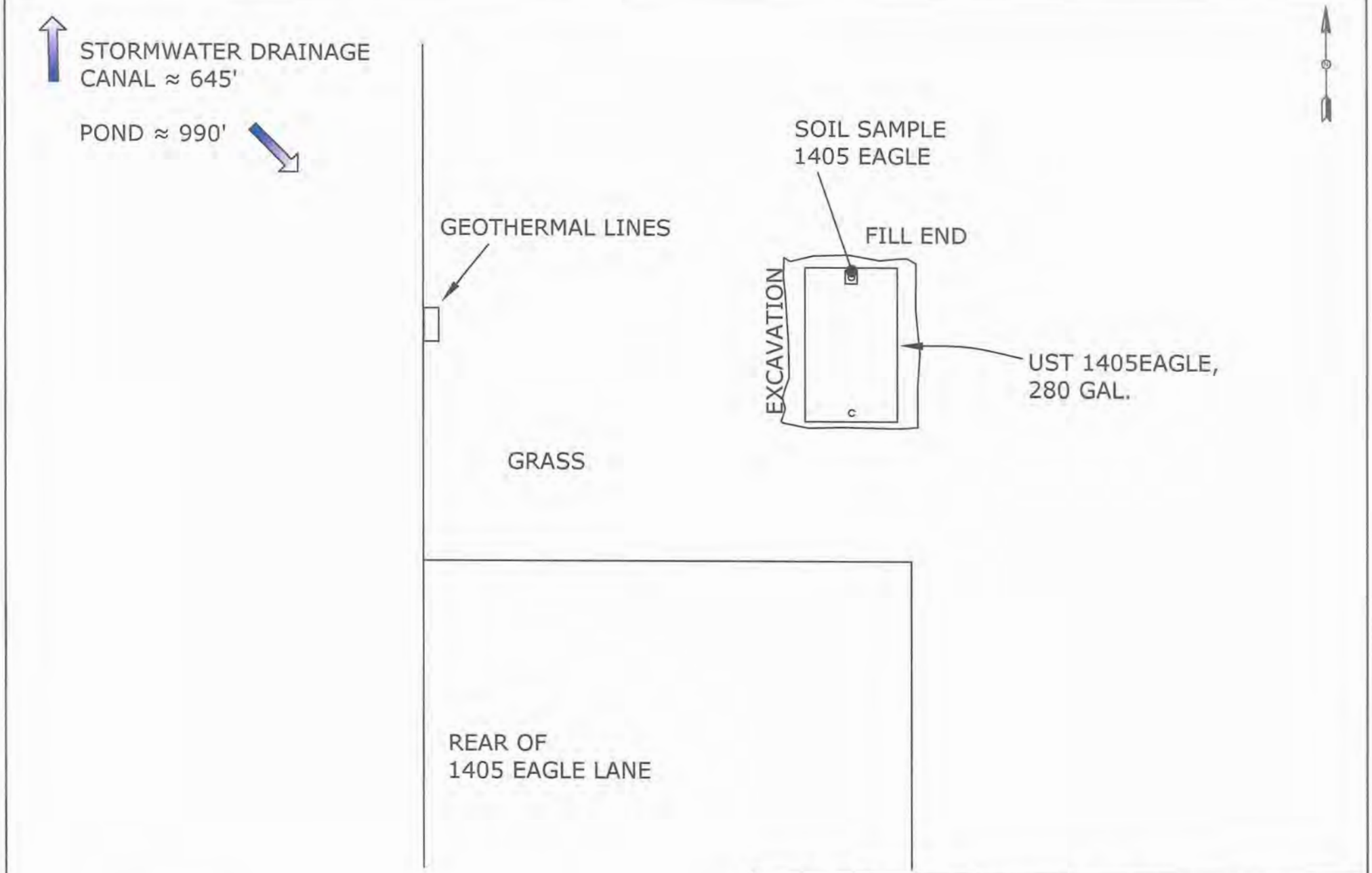
FIGURE 1: LOCATION MAP
1405 EAGLE LANE
LAUREL BAY, BEAUFORT SC



SBG-EEG
398 E. 5 NORTH ST., SUITE C
SUMMERVILLE, SC
29483-6954

FIGURE 2 SITE MAP
1405 EAGLE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JUNE 2011



SBG-EEG
398 E. 5 NORTH ST., SUITE C
SUMMERVILLE, SC
29483-6954

FIGURE 3 UST SAMPLE LOCATIONS
1405 EAGLE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JUNE 2011

Picture 1: Location of UST 1405Eagle.

Picture 2: UST 1405Eagle excavation in progress.

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)

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	1405Eagle						
Benzene	ND						
Toluene	0.00176 mg/kg						
Ethylbenzene	0.00130 mg/kg						
Xylenes	0.00761 mg/kg						
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: NUE2542
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:
05/31/2011 05:16:54 PM

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

Table of Contents

Sample Summary

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

TestAmerica Job ID: NUE2542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUE2542-01	1416 Albatross	Soil	05/09/11 16:00	05/14/11 09:00
NUE2542-02	1421 Albatross	Soil	05/10/11 10:45	05/14/11 09:00
NUE2542-03	1405 Eagle	Soil	05/10/11 15:15	05/14/11 09:00
NUE2542-04	1188 Bobwhite	Soil	05/12/11 12:15	05/14/11 09:00

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
RL1	Reporting limit raised due to sample matrix effects.
Z6	Surrogate recovery was below acceptance limits.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

GCMS Semivolatiles

Qualifier	Qualifier Description
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
ZX	Due to sample matrix effects, the surrogate recovery was outside the 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 Sample ID: 1416 Albatross
Date Collected: 05/09/11 16:00
Date Received: 05/14/11 09:00

Lab Sample ID: NUE2542-01
Matrix: Soil
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00255	0.00140	mg/kg dry		05/09/11 16:00	05/18/11 15:05	1.00
Ethylbenzene	ND		0.00255	0.00125	mg/kg dry		05/09/11 16:00	05/18/11 15:05	1.00
Toluene	ND		0.00255	0.00113	mg/kg dry		05/09/11 16:00	05/18/11 15:05	1.00
Xylenes, total	ND		0.00637	0.00242	mg/kg dry		05/09/11 16:00	05/18/11 15:05	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*05/09/11 16:00*	*05/18/11 15:05*	*1.00*
Dibromofluoromethane	*105*		*75 - 125*	*05/09/11 16:00*	*05/18/11 15:05*	*1.00*
Toluene-d8	*95*		*76 - 129*	*05/09/11 16:00*	*05/18/11 15:05*	*1.00*
4-Bromofluorobenzene	*99*		*67 - 147*	*05/09/11 16:00*	*05/18/11 15:05*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.00433	J	0.00659	0.00224	mg/kg dry		05/09/11 16:00	05/19/11 16:08	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*89*		*67 - 138*	*05/09/11 16:00*	*05/19/11 16:08*	*1.00*
Dibromofluoromethane	*103*		*75 - 125*	*05/09/11 16:00*	*05/19/11 16:08*	*1.00*
Toluene-d8	*94*		*76 - 129*	*05/09/11 16:00*	*05/19/11 16:08*	*1.00*
4-Bromofluorobenzene	*93*		*67 - 147*	*05/09/11 16:00*	*05/19/11 16:08*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0744	0.0155	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Acenaphthylene	ND		0.0744	0.0222	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Anthracene	ND		0.0744	0.0100	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Benzo (a) anthracene	ND		0.0744	0.0122	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Benzo (a) pyrene	ND		0.0744	0.00889	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Benzo (b) fluoranthene	ND		0.0744	0.0422	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Benzo (g,h,i) perylene	ND		0.0744	0.0100	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Benzo (k) fluoranthene	ND		0.0744	0.0411	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Chrysene	ND		0.0744	0.0344	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Dibenz (a,h) anthracene	ND		0.0744	0.0167	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Fluoranthene	ND		0.0744	0.0122	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Fluorene	ND		0.0744	0.0222	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0744	0.0344	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Naphthalene	ND		0.0744	0.0155	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Phenanthrene	ND		0.0744	0.0111	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
Pyrene	ND		0.0744	0.0255	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
1-Methylnaphthalene	ND		0.0744	0.0133	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00
2-Methylnaphthalene	ND		0.0744	0.0233	mg/kg dry		05/17/11 12:15	05/20/11 00:32	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*94*		*18 - 120*	*05/17/11 12:15*	*05/20/11 00:32*	*1.00*
2-Fluorobiphenyl	*56*		*14 - 120*	*05/17/11 12:15*	*05/20/11 00:32*	*1.00*
Nitrobenzene-d5	*59*		*17 - 120*	*05/17/11 12:15*	*05/20/11 00:32*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	89.6		0.500	0.500	%		05/27/11 09:56	05/31/11 14:46	1.00

Client Sample ID: 1421 Albatross
Date Collected: 05/10/11 10:45
Date Received: 05/14/11 09:00

Lab Sample ID: NUE2542-02
Matrix: Soil
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.120		0.00177	0.000975	mg/kg dry	☼	05/10/11 10:45	05/18/11 15:34	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*67 - 138*	*05/10/11 10:45*	*05/18/11 15:34*	*1.00*
Dibromofluoromethane	*109*		*75 - 125*	*05/10/11 10:45*	*05/18/11 15:34*	*1.00*
Toluene-d8	*180*	*ZX*	*76 - 129*	*05/10/11 10:45*	*05/18/11 15:34*	*1.00*
4-Bromofluorobenzene	*271*	*ZX*	*67 - 147*	*05/10/11 10:45*	*05/18/11 15:34*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.12		0.0924	0.0453	mg/kg dry	☼	05/10/11 10:45	05/19/11 15:38	50.0
Naphthalene	8.11		0.231	0.0785	mg/kg dry	☼	05/10/11 10:45	05/19/11 15:38	50.0
Toluene	0.224		0.0924	0.0411	mg/kg dry	☼	05/10/11 10:45	05/19/11 15:38	50.0
Xylenes, total	5.12		0.231	0.0878	mg/kg dry	☼	05/10/11 10:45	05/19/11 15:38	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*84*		*67 - 138*	*05/10/11 10:45*	*05/19/11 15:38*	*50.0*
Dibromofluoromethane	*102*		*75 - 125*	*05/10/11 10:45*	*05/19/11 15:38*	*50.0*
Toluene-d8	*93*		*76 - 129*	*05/10/11 10:45*	*05/19/11 15:38*	*50.0*
4-Bromofluorobenzene	*99*		*67 - 147*	*05/10/11 10:45*	*05/19/11 15:38*	*50.0*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.69		0.0782	0.0163	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Acenaphthylene	1.02		0.0782	0.0234	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Anthracene	0.505		0.0782	0.0105	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Benzo (a) anthracene	0.0463	J	0.0782	0.0128	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Benzo (a) pyrene	ND		0.0782	0.00934	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Benzo (b) fluoranthene	ND		0.0782	0.0444	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Benzo (g,h,i) perylene	ND		0.0782	0.0105	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Benzo (k) fluoranthene	ND		0.0782	0.0432	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Chrysene	0.0739	J	0.0782	0.0362	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Dibenz (a,h) anthracene	ND		0.0782	0.0175	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Fluoranthene	0.176		0.0782	0.0128	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Fluorene	2.53		0.0782	0.0234	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0782	0.0362	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00
Pyrene	0.378		0.0782	0.0269	mg/kg dry	☼	05/17/11 12:15	05/20/11 00:53	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*94*		*18 - 120*	*05/17/11 12:15*	*05/20/11 00:53*	*1.00*
2-Fluorobiphenyl	*85*		*14 - 120*	*05/17/11 12:15*	*05/20/11 00:53*	*1.00*
Nitrobenzene-d5	*30*		*17 - 120*	*05/17/11 12:15*	*05/20/11 00:53*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	10.9		0.782	0.163	mg/kg dry	☼	05/17/11 12:15	05/21/11 17:40	10.0
Phenanthrene	8.70		0.782	0.117	mg/kg dry	☼	05/17/11 12:15	05/21/11 17:40	10.0
1-Methylnaphthalene	27.5		0.782	0.140	mg/kg dry	☼	05/17/11 12:15	05/21/11 17:40	10.0

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	49.9		1.56	0.490	mg/kg dry	☼	05/17/11 12:15	05/21/11 18:00	20.0

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

TestAmerica Job ID: NUE2542

Client Sample ID: 1421 Albatross
Date Collected: 05/10/11 10:45
Date Received: 05/14/11 09:00

Lab Sample ID: NUE2542-02
Matrix: Soil
Percent Solids: 84.2

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	84.2		0.500	0.500	%		05/27/11 09:56	05/31/11 14:46	1.00

Client Sample ID: 1405 Eagle
Date Collected: 05/10/11 15:15
Date Received: 05/14/11 09:00

Lab Sample ID: NUE2542-03
Matrix: Soil
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00255	0.00140	mg/kg dry		05/10/11 15:15	05/18/11 16:04	1.00
Ethylbenzene	0.00130	J	0.00255	0.00125	mg/kg dry		05/10/11 15:15	05/18/11 16:04	1.00
Toluene	0.00176	J	0.00255	0.00114	mg/kg dry		05/10/11 15:15	05/18/11 16:04	1.00
Xylenes, total	0.00761		0.00638	0.00243	mg/kg dry		05/10/11 15:15	05/18/11 16:04	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*67 - 138*	*05/10/11 15:15*	*05/18/11 16:04*	*1.00*
Dibromofluoromethane	*110*		*75 - 125*	*05/10/11 15:15*	*05/18/11 16:04*	*1.00*
Toluene-d8	*107*		*76 - 129*	*05/10/11 15:15*	*05/18/11 16:04*	*1.00*
4-Bromofluorobenzene	*140*		*67 - 147*	*05/10/11 15:15*	*05/18/11 16:04*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	RL1	0.294	0.0999	mg/kg dry		05/10/11 15:15	05/19/11 14:10	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*05/10/11 15:15*	*05/19/11 14:10*	*50.0*
Dibromofluoromethane	*107*		*75 - 125*	*05/10/11 15:15*	*05/19/11 14:10*	*50.0*
Toluene-d8	*90*		*76 - 129*	*05/10/11 15:15*	*05/19/11 14:10*	*50.0*
4-Bromofluorobenzene	*95*		*67 - 147*	*05/10/11 15:15*	*05/19/11 14:10*	*50.0*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0747	0.0156	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Acenaphthylene	ND		0.0747	0.0223	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Anthracene	ND		0.0747	0.0100	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Benzo (a) anthracene	ND		0.0747	0.0123	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Benzo (a) pyrene	ND		0.0747	0.00892	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Benzo (b) fluoranthene	ND		0.0747	0.0424	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Benzo (g,h,i) perylene	ND		0.0747	0.0100	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Benzo (k) fluoranthene	ND		0.0747	0.0413	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Chrysene	ND		0.0747	0.0346	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Dibenz (a,h) anthracene	ND		0.0747	0.0167	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Fluoranthene	ND		0.0747	0.0123	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Fluorene	ND		0.0747	0.0223	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0747	0.0346	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Naphthalene	ND		0.0747	0.0156	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Phenanthrene	ND		0.0747	0.0111	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
Pyrene	ND		0.0747	0.0256	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
1-Methylnaphthalene	ND		0.0747	0.0134	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00
2-Methylnaphthalene	ND		0.0747	0.0234	mg/kg dry		05/17/11 12:15	05/20/11 01:13	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*138*	*ZX*	*18 - 120*	*05/17/11 12:15*	*05/20/11 01:13*	*1.00*
2-Fluorobiphenyl	*51*		*14 - 120*	*05/17/11 12:15*	*05/20/11 01:13*	*1.00*
Nitrobenzene-d5	*46*		*17 - 120*	*05/17/11 12:15*	*05/20/11 01:13*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	88.6		0.500	0.500	%		05/27/11 09:56	05/31/11 14:46	1.00

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

TestAmerica Job ID: NUE2542

Client Sample ID: 1188 Bobwhite
Date Collected: 05/12/11 12:15
Date Received: 05/14/11 09:00

Lab Sample ID: NUE2542-04
Matrix: Soil
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00208	0.00115	mg/kg dry		05/12/11 12:15	05/18/11 16:33	1.00
Ethylbenzene	ND		0.00208	0.00102	mg/kg dry		05/12/11 12:15	05/18/11 16:33	1.00
Toluene	ND		0.00208	0.000927	mg/kg dry		05/12/11 12:15	05/18/11 16:33	1.00
Xylenes, total	ND		0.00521	0.00198	mg/kg dry		05/12/11 12:15	05/18/11 16:33	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*05/12/11 12:15*	*05/18/11 16:33*	*1.00*
Dibromofluoromethane	*110*		*75 - 125*	*05/12/11 12:15*	*05/18/11 16:33*	*1.00*
Toluene-d8	*100*		*76 - 129*	*05/12/11 12:15*	*05/18/11 16:33*	*1.00*
4-Bromofluorobenzene	*128*		*67 - 147*	*05/12/11 12:15*	*05/18/11 16:33*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00541	0.00184	mg/kg dry		05/12/11 12:15	05/19/11 16:37	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*67 - 138*	*05/12/11 12:15*	*05/19/11 16:37*	*1.00*
Dibromofluoromethane	*102*		*75 - 125*	*05/12/11 12:15*	*05/19/11 16:37*	*1.00*
Toluene-d8	*93*		*76 - 129*	*05/12/11 12:15*	*05/19/11 16:37*	*1.00*
4-Bromofluorobenzene	*98*		*67 - 147*	*05/12/11 12:15*	*05/19/11 16:37*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0760	0.0159	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Acenaphthylene	ND		0.0760	0.0227	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Anthracene	ND		0.0760	0.0102	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Benzo (a) anthracene	ND		0.0760	0.0125	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Benzo (a) pyrene	ND		0.0760	0.00907	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Benzo (b) fluoranthene	ND		0.0760	0.0431	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Benzo (g,h,i) perylene	ND		0.0760	0.0102	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Benzo (k) fluoranthene	ND		0.0760	0.0420	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Chrysene	ND		0.0760	0.0352	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Dibenz (a,h) anthracene	ND		0.0760	0.0170	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Fluoranthene	ND		0.0760	0.0125	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Fluorene	ND		0.0760	0.0227	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0760	0.0352	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Naphthalene	ND		0.0760	0.0159	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Phenanthrene	ND		0.0760	0.0113	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
Pyrene	ND		0.0760	0.0261	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
1-Methylnaphthalene	ND		0.0760	0.0136	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00
2-Methylnaphthalene	ND		0.0760	0.0238	mg/kg dry		05/17/11 12:15	05/20/11 01:34	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*86*		*18 - 120*	*05/17/11 12:15*	*05/20/11 01:34*	*1.00*
2-Fluorobiphenyl	*55*		*14 - 120*	*05/17/11 12:15*	*05/20/11 01:34*	*1.00*
Nitrobenzene-d5	*52*		*17 - 120*	*05/17/11 12:15*	*05/20/11 01:34*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	87.3		0.500	0.500	%		05/27/11 09:56	05/31/11 14:46	1.00

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

Lab Sample ID: 11E4658-BLK1
Matrix: Soil
Analysis Batch: U008793

Client Sample ID: 11E4658-BLK1
Prep Type: Total
Prep Batch: 11E4658_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		05/18/11 09:42	05/18/11 12:09	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		05/18/11 09:42	05/18/11 12:09	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		05/18/11 09:42	05/18/11 12:09	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		05/18/11 09:42	05/18/11 12:09	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		05/18/11 09:42	05/18/11 12:09	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*05/18/11 09:42*	*05/18/11 12:09*	*1.00*
Dibromofluoromethane	*107*		*75 - 125*	*05/18/11 09:42*	*05/18/11 12:09*	*1.00*
Toluene-d8	*93*		*76 - 129*	*05/18/11 09:42*	*05/18/11 12:09*	*1.00*
4-Bromofluorobenzene	*95*		*67 - 147*	*05/18/11 09:42*	*05/18/11 12:09*	*1.00*

Lab Sample ID: 11E4658-BLK2
Matrix: Soil
Analysis Batch: U008793

Client Sample ID: 11E4658-BLK2
Prep Type: Total
Prep Batch: 11E4658_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0550	mg/kg wet		05/18/11 09:42	05/18/11 12:38	50.0
Ethylbenzene	ND		0.100	0.0490	mg/kg wet		05/18/11 09:42	05/18/11 12:38	50.0
Naphthalene	ND		0.250	0.0850	mg/kg wet		05/18/11 09:42	05/18/11 12:38	50.0
Toluene	ND		0.100	0.0445	mg/kg wet		05/18/11 09:42	05/18/11 12:38	50.0
Xylenes, total	ND		0.250	0.0950	mg/kg wet		05/18/11 09:42	05/18/11 12:38	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*91*		*67 - 138*	*05/18/11 09:42*	*05/18/11 12:38*	*50.0*
Dibromofluoromethane	*106*		*75 - 125*	*05/18/11 09:42*	*05/18/11 12:38*	*50.0*
Toluene-d8	*92*		*76 - 129*	*05/18/11 09:42*	*05/18/11 12:38*	*50.0*
4-Bromofluorobenzene	*95*		*67 - 147*	*05/18/11 09:42*	*05/18/11 12:38*	*50.0*

Lab Sample ID: 11E4658-BS1
Matrix: Soil
Analysis Batch: U008793

Client Sample ID: 11E4658-BS1
Prep Type: Total
Prep Batch: 11E4658_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	49.6		ug/kg		99	78 - 126
Ethylbenzene	50.0	48.9		ug/kg		98	79 - 130
Naphthalene	50.0	38.0		ug/kg		76	72 - 150
Toluene	50.0	48.3		ug/kg		97	76 - 126
Xylenes, total	150	148		ug/kg		99	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*90*		*67 - 138*
Dibromofluoromethane	*110*		*75 - 125*
Toluene-d8	*95*		*76 - 129*
4-Bromofluorobenzene	*94*		*67 - 147*

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

Lab Sample ID: 11E4658-BSD1
Matrix: Soil
Analysis Batch: U008793

Client Sample ID: 11E4658-BSD1
Prep Type: Total
Prep Batch: 11E4658_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	50.0	50.6		ug/kg		101	78 - 126	2	50
Ethylbenzene	50.0	49.2		ug/kg		98	79 - 130	0.7	50
Naphthalene	50.0	40.0		ug/kg		80	72 - 150	5	50
Toluene	50.0	48.6		ug/kg		97	76 - 126	0.6	50
Xylenes, total	150	151		ug/kg		100	80 - 130	2	50

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*88*		*67 - 138*
Dibromofluoromethane	*110*		*75 - 125*
Toluene-d8	*94*		*76 - 129*
4-Bromofluorobenzene	*95*		*67 - 147*

Lab Sample ID: 11E4658-MS1
Matrix: Soil
Analysis Batch: U008793

Client Sample ID: NUE2486-04RE1
Prep Type: Total
Prep Batch: 11E4658_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		4.31	4.67		mg/kg wet		108	42 - 141
Ethylbenzene	0.702		4.31	5.44		mg/kg wet		110	21 - 165
Naphthalene	2.18		4.31	5.11		mg/kg wet		68	10 - 160
Toluene	0.664		4.31	5.28		mg/kg wet		107	45 - 145
Xylenes, total	15.8		12.9	30.1		mg/kg wet		110	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*83*		*67 - 138*
Dibromofluoromethane	*105*		*75 - 125*
Toluene-d8	*95*		*76 - 129*
4-Bromofluorobenzene	*99*		*67 - 147*

Lab Sample ID: 11E4658-MSD1
Matrix: Soil
Analysis Batch: U008793

Client Sample ID: NUE2486-04RE1
Prep Type: Total
Prep Batch: 11E4658_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		4.31	5.67		mg/kg wet		132	42 - 141	19	50
Ethylbenzene	0.702		4.31	6.16		mg/kg wet		127	21 - 165	13	50
Naphthalene	2.18		4.31	5.76		mg/kg wet		83	10 - 160	12	50
Toluene	0.664		4.31	6.16		mg/kg wet		128	45 - 145	15	50
Xylenes, total	15.8		12.9	30.8		mg/kg wet		116	31 - 159	2	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*67 - 138*
Dibromofluoromethane	*101*		*75 - 125*
Toluene-d8	*96*		*76 - 129*
4-Bromofluorobenzene	*98*		*67 - 147*

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

Lab Sample ID: 11E4988-BLK1
Matrix: Soil
Analysis Batch: U008857

Client Sample ID: 11E4988-BLK1
Prep Type: Total
Prep Batch: 11E4988_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		05/19/11 10:44	05/19/11 12:42	1.00
Ethylbenzene	ND		0.00200	0.000980	mg/kg wet		05/19/11 10:44	05/19/11 12:42	1.00
Naphthalene	ND		0.00500	0.00170	mg/kg wet		05/19/11 10:44	05/19/11 12:42	1.00
Toluene	ND		0.00200	0.000890	mg/kg wet		05/19/11 10:44	05/19/11 12:42	1.00
Xylenes, total	ND		0.00500	0.00190	mg/kg wet		05/19/11 10:44	05/19/11 12:42	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*67 - 138*	*05/19/11 10:44*	*05/19/11 12:42*	*1.00*
Dibromofluoromethane	*110*		*75 - 125*	*05/19/11 10:44*	*05/19/11 12:42*	*1.00*
Toluene-d8	*92*		*76 - 129*	*05/19/11 10:44*	*05/19/11 12:42*	*1.00*
4-Bromofluorobenzene	*96*		*67 - 147*	*05/19/11 10:44*	*05/19/11 12:42*	*1.00*

Lab Sample ID: 11E4988-BLK2
Matrix: Soil
Analysis Batch: U008857

Client Sample ID: 11E4988-BLK2
Prep Type: Total
Prep Batch: 11E4988_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0550	mg/kg wet		05/19/11 10:44	05/19/11 13:12	50.0
Ethylbenzene	ND		0.100	0.0490	mg/kg wet		05/19/11 10:44	05/19/11 13:12	50.0
Naphthalene	ND		0.250	0.0850	mg/kg wet		05/19/11 10:44	05/19/11 13:12	50.0
Toluene	ND		0.100	0.0445	mg/kg wet		05/19/11 10:44	05/19/11 13:12	50.0
Xylenes, total	ND		0.250	0.0950	mg/kg wet		05/19/11 10:44	05/19/11 13:12	50.0

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*67 - 138*	*05/19/11 10:44*	*05/19/11 13:12*	*50.0*
Dibromofluoromethane	*108*		*75 - 125*	*05/19/11 10:44*	*05/19/11 13:12*	*50.0*
Toluene-d8	*91*		*76 - 129*	*05/19/11 10:44*	*05/19/11 13:12*	*50.0*
4-Bromofluorobenzene	*94*		*67 - 147*	*05/19/11 10:44*	*05/19/11 13:12*	*50.0*

Lab Sample ID: 11E4988-BS1
Matrix: Soil
Analysis Batch: U008857

Client Sample ID: 11E4988-BS1
Prep Type: Total
Prep Batch: 11E4988_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	53.8		ug/kg		108	78 - 126
Ethylbenzene	50.0	50.9		ug/kg		102	79 - 130
Naphthalene	50.0	39.5		ug/kg		79	72 - 150
Toluene	50.0	51.2		ug/kg		102	76 - 126
Xylenes, total	150	155		ug/kg		103	80 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*89*		*67 - 138*
Dibromofluoromethane	*108*		*75 - 125*
Toluene-d8	*95*		*76 - 129*
4-Bromofluorobenzene	*96*		*67 - 147*

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

Lab Sample ID: 11E4988-MS1
Matrix: Soil
Analysis Batch: U008857

Client Sample ID: 1421 Albatross
Prep Type: Total
Prep Batch: 11E4988_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	0.124		2.97	3.27		mg/kg dry	☼	106	42 - 141
Ethylbenzene	1.12		2.97	4.33		mg/kg dry	☼	108	21 - 165
Naphthalene	8.11		2.97	10.7		mg/kg dry	☼	87	10 - 160
Toluene	0.224		2.97	3.22		mg/kg dry	☼	101	45 - 145
Xylenes, total	5.12		8.91	15.0		mg/kg dry	☼	110	31 - 159

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*61*	*Z6*	*67 - 138*
Dibromofluoromethane	*77*		*75 - 125*
Toluene-d8	*96*		*76 - 129*
4-Bromofluorobenzene	*106*		*67 - 147*

Lab Sample ID: 11E4988-MSD1
Matrix: Soil
Analysis Batch: U008857

Client Sample ID: 1421 Albatross
Prep Type: Total
Prep Batch: 11E4988_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	0.124		2.97	3.36		mg/kg dry	☼	109	42 - 141	3	50
Ethylbenzene	1.12		2.97	4.26		mg/kg dry	☼	106	21 - 165	2	50
Naphthalene	8.11		2.97	10.9		mg/kg dry	☼	94	10 - 160	2	50
Toluene	0.224		2.97	3.23		mg/kg dry	☼	101	45 - 145	0.3	50
Xylenes, total	5.12		8.91	14.6		mg/kg dry	☼	107	31 - 159	2	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*81*		*67 - 138*
Dibromofluoromethane	*100*		*75 - 125*
Toluene-d8	*95*		*76 - 129*
4-Bromofluorobenzene	*103*		*67 - 147*

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

Lab Sample ID: 11E3953-BLK1
Matrix: Soil
Analysis Batch: 11E3953

Client Sample ID: 11E3953-BLK1
Prep Type: Total
Prep Batch: 11E3953_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0140	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Acenaphthylene	ND		0.0670	0.0200	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Anthracene	ND		0.0670	0.00900	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Benzo (a) anthracene	ND		0.0670	0.0110	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Benzo (a) pyrene	ND		0.0670	0.00800	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0380	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.00900	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0370	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Chrysene	ND		0.0670	0.0310	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0150	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Fluoranthene	ND		0.0670	0.0110	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Fluorene	ND		0.0670	0.0200	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0310	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00

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

Lab Sample ID: 11E3953-BLK1
Matrix: Soil
Analysis Batch: 11E3953

Client Sample ID: 11E3953-BLK1
Prep Type: Total
Prep Batch: 11E3953_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0670	0.0140	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Phenanthrene	ND		0.0670	0.0100	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
Pyrene	ND		0.0670	0.0230	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
1-Methylnaphthalene	ND		0.0670	0.0120	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00
2-Methylnaphthalene	ND		0.0670	0.0210	mg/kg wet		05/17/11 12:15	05/19/11 22:08	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*109*		*18 - 120*	*05/17/11 12:15*	*05/19/11 22:08*	*1.00*
2-Fluorobiphenyl	*79*		*14 - 120*	*05/17/11 12:15*	*05/19/11 22:08*	*1.00*
Nitrobenzene-d5	*80*		*17 - 120*	*05/17/11 12:15*	*05/19/11 22:08*	*1.00*

Lab Sample ID: 11E3953-BS1
Matrix: Soil
Analysis Batch: 11E3953

Client Sample ID: 11E3953-BS1
Prep Type: Total
Prep Batch: 11E3953_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.67	1.42		mg/kg wet		85	49 - 120
Acenaphthylene	1.67	1.24		mg/kg wet		74	52 - 120
Anthracene	1.67	1.54		mg/kg wet		92	58 - 120
Benzo (a) anthracene	1.67	1.56		mg/kg wet		93	57 - 120
Benzo (a) pyrene	1.67	1.54		mg/kg wet		93	55 - 120
Benzo (b) fluoranthene	1.67	1.49		mg/kg wet		89	51 - 123
Benzo (g,h,i) perylene	1.67	1.08		mg/kg wet		65	49 - 121
Benzo (k) fluoranthene	1.67	1.75		mg/kg wet		105	42 - 129
Chrysene	1.67	1.55		mg/kg wet		93	55 - 120
Dibenz (a,h) anthracene	1.67	1.38		mg/kg wet		83	50 - 123
Fluoranthene	1.67	1.52		mg/kg wet		91	58 - 120
Fluorene	1.67	1.56		mg/kg wet		94	54 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.38		mg/kg wet		83	50 - 122
Naphthalene	1.67	1.25		mg/kg wet		75	28 - 120
Phenanthrene	1.67	1.60		mg/kg wet		96	56 - 120
Pyrene	1.67	1.63		mg/kg wet		98	56 - 120
1-Methylnaphthalene	1.67	1.07		mg/kg wet		64	36 - 120
2-Methylnaphthalene	1.67	1.23		mg/kg wet		74	36 - 120

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*98*		*18 - 120*
2-Fluorobiphenyl	*75*		*14 - 120*
Nitrobenzene-d5	*66*		*17 - 120*

Lab Sample ID: 11E3953-MS1
Matrix: Soil
Analysis Batch: 11E3953

Client Sample ID: NUE2525-01
Prep Type: Total
Prep Batch: 11E3953_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	ND		1.63	1.24		mg/kg wet		76	42 - 120
Acenaphthylene	ND		1.63	1.07		mg/kg wet		66	32 - 120
Anthracene	ND		1.63	1.37		mg/kg wet		84	10 - 200
Benzo (a) anthracene	0.0452		1.63	1.41		mg/kg wet		84	41 - 120

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

Lab Sample ID: 11E3953-MS1
Matrix: Soil
Analysis Batch: 11E3953

Client Sample ID: NUE2525-01
Prep Type: Total
Prep Batch: 11E3953_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzo (a) pyrene	0.0442		1.63	1.35		mg/kg wet		80	33 - 121
Benzo (b) fluoranthene	0.0514		1.63	1.51		mg/kg wet		89	26 - 137
Benzo (g,h,i) perylene	ND		1.63	1.24		mg/kg wet		76	21 - 124
Benzo (k) fluoranthene	0.0409		1.63	1.30		mg/kg wet		77	14 - 140
Chrysene	0.0602		1.63	1.40		mg/kg wet		82	28 - 123
Dibenz (a,h) anthracene	ND		1.63	1.27		mg/kg wet		78	25 - 127
Fluoranthene	0.0753		1.63	1.39		mg/kg wet		80	38 - 120
Fluorene	ND		1.63	1.35		mg/kg wet		83	41 - 120
Indeno (1,2,3-cd) pyrene	ND		1.63	1.25		mg/kg wet		77	25 - 123
Naphthalene	ND		1.63	1.10		mg/kg wet		67	25 - 120
Phenanthrene	0.0468		1.63	1.46		mg/kg wet		87	37 - 120
Pyrene	0.0995		1.63	1.56		mg/kg wet		89	29 - 125
1-Methylnaphthalene	ND		1.63	0.983		mg/kg wet		60	19 - 120
2-Methylnaphthalene	ND		1.63	1.11		mg/kg wet		68	11 - 120

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
Terphenyl-d14	*85*		*18 - 120*
2-Fluorobiphenyl	*61*		*14 - 120*
Nitrobenzene-d5	*56*		*17 - 120*

Lab Sample ID: 11E3953-MSD1
Matrix: Soil
Analysis Batch: 11E3953

Client Sample ID: NUE2525-01
Prep Type: Total
Prep Batch: 11E3953_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	1.26		mg/kg wet		77	42 - 120	1	40
Acenaphthylene	ND		1.62	1.06		mg/kg wet		65	32 - 120	0.9	30
Anthracene	ND		1.62	1.38		mg/kg wet		85	10 - 200	0.1	50
Benzo (a) anthracene	0.0452		1.62	1.40		mg/kg wet		84	41 - 120	0.6	30
Benzo (a) pyrene	0.0442		1.62	1.37		mg/kg wet		81	33 - 121	1	33
Benzo (b) fluoranthene	0.0514		1.62	1.48		mg/kg wet		88	26 - 137	2	42
Benzo (g,h,i) perylene	ND		1.62	1.28		mg/kg wet		79	21 - 124	3	32
Benzo (k) fluoranthene	0.0409		1.62	1.45		mg/kg wet		86	14 - 140	10	39
Chrysene	0.0602		1.62	1.41		mg/kg wet		83	28 - 123	0.6	34
Dibenz (a,h) anthracene	ND		1.62	1.29		mg/kg wet		79	25 - 127	2	31
Fluoranthene	0.0753		1.62	1.38		mg/kg wet		81	38 - 120	0.3	35
Fluorene	ND		1.62	1.37		mg/kg wet		84	41 - 120	0.9	37
Indeno (1,2,3-cd) pyrene	ND		1.62	1.30		mg/kg wet		80	25 - 123	4	32
Naphthalene	ND		1.62	1.14		mg/kg wet		70	25 - 120	4	42
Phenanthrene	0.0468		1.62	1.47		mg/kg wet		87	37 - 120	0.3	32
Pyrene	0.0995		1.62	1.68		mg/kg wet		97	29 - 125	8	40
1-Methylnaphthalene	ND		1.62	0.996		mg/kg wet		61	19 - 120	1	45
2-Methylnaphthalene	ND		1.62	1.12		mg/kg wet		69	11 - 120	0.5	50

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Terphenyl-d14	*85*		*18 - 120*
2-Fluorobiphenyl	*59*		*14 - 120*
Nitrobenzene-d5	*56*		*17 - 120*

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

TestAmerica Job ID: NUE2542

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11E6921-DUP1
Matrix: Soil
Analysis Batch: 11E6921

Client Sample ID: NUE2473-06
Prep Type: Total
Prep Batch: 11E6921_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	76.7			78.1		%				2	20

GCMS Volatiles

Analysis Batch: U008793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E4658-BS1	11E4658-BS1	Total	Soil	SW846 8260B	11E4658_P
11E4658-BSD1	11E4658-BSD1	Total	Soil	SW846 8260B	11E4658_P
11E4658-BLK1	11E4658-BLK1	Total	Soil	SW846 8260B	11E4658_P
11E4658-BLK2	11E4658-BLK2	Total	Soil	SW846 8260B	11E4658_P
NUE2542-01	1416 Albatross	Total	Soil	SW846 8260B	11E4658_P
NUE2542-02	1421 Albatross	Total	Soil	SW846 8260B	11E4658_P
NUE2542-03	1405 Eagle	Total	Soil	SW846 8260B	11E4658_P
NUE2542-04	1188 Bobwhite	Total	Soil	SW846 8260B	11E4658_P
11E4658-MS1	NUE2486-04RE1	Total	Soil	SW846 8260B	11E4658_P
11E4658-MSD1	NUE2486-04RE1	Total	Soil	SW846 8260B	11E4658_P

Analysis Batch: U008857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E4988-BS1	11E4988-BS1	Total	Soil	SW846 8260B	11E4988_P
11E4988-BLK1	11E4988-BLK1	Total	Soil	SW846 8260B	11E4988_P
11E4988-BLK2	11E4988-BLK2	Total	Soil	SW846 8260B	11E4988_P
NUE2542-03 - RE2	1405 Eagle	Total	Soil	SW846 8260B	11E4988_P
NUE2542-02 - RE1	1421 Albatross	Total	Soil	SW846 8260B	11E4988_P
NUE2542-01 - RE1	1416 Albatross	Total	Soil	SW846 8260B	11E4988_P
NUE2542-04 - RE1	1188 Bobwhite	Total	Soil	SW846 8260B	11E4988_P
11E4988-MS1	1421 Albatross	Total	Soil	SW846 8260B	11E4988_P
11E4988-MSD1	1421 Albatross	Total	Soil	SW846 8260B	11E4988_P

Prep Batch: 11E4658_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E4658-BS1	11E4658-BS1	Total	Soil	EPA 5035	
11E4658-BSD1	11E4658-BSD1	Total	Soil	EPA 5035	
11E4658-BLK1	11E4658-BLK1	Total	Soil	EPA 5035	
11E4658-BLK2	11E4658-BLK2	Total	Soil	EPA 5035	
NUE2542-01	1416 Albatross	Total	Soil	EPA 5035	
NUE2542-02	1421 Albatross	Total	Soil	EPA 5035	
NUE2542-03	1405 Eagle	Total	Soil	EPA 5035	
NUE2542-04	1188 Bobwhite	Total	Soil	EPA 5035	
11E4658-MS1	NUE2486-04RE1	Total	Soil	EPA 5035	
11E4658-MSD1	NUE2486-04RE1	Total	Soil	EPA 5035	

Prep Batch: 11E4988_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E4988-BS1	11E4988-BS1	Total	Soil	EPA 5035	
11E4988-BLK1	11E4988-BLK1	Total	Soil	EPA 5035	
11E4988-BLK2	11E4988-BLK2	Total	Soil	EPA 5035	
NUE2542-03 - RE2	1405 Eagle	Total	Soil	EPA 5035	
NUE2542-02 - RE1	1421 Albatross	Total	Soil	EPA 5035	
NUE2542-01 - RE1	1416 Albatross	Total	Soil	EPA 5035	
NUE2542-04 - RE1	1188 Bobwhite	Total	Soil	EPA 5035	
11E4988-MS1	1421 Albatross	Total	Soil	EPA 5035	
11E4988-MSD1	1421 Albatross	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 11E3953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E3953-BLK1	11E3953-BLK1	Total	Soil	SW846 8270D	11E3953_P
11E3953-BS1	11E3953-BS1	Total	Soil	SW846 8270D	11E3953_P
11E3953-MS1	NUE2525-01	Total	Soil	SW846 8270D	11E3953_P
11E3953-MSD1	NUE2525-01	Total	Soil	SW846 8270D	11E3953_P
NUE2542-01	1416 Albatross	Total	Soil	SW846 8270D	11E3953_P
NUE2542-02	1421 Albatross	Total	Soil	SW846 8270D	11E3953_P
NUE2542-03	1405 Eagle	Total	Soil	SW846 8270D	11E3953_P
NUE2542-04	1188 Bobwhite	Total	Soil	SW846 8270D	11E3953_P

Analysis Batch: U008904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUE2542-02 - RE1	1421 Albatross	Total	Soil	SW846 8270D	11E3953_P
NUE2542-02 - RE2	1421 Albatross	Total	Soil	SW846 8270D	11E3953_P

Prep Batch: 11E3953_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E3953-BLK1	11E3953-BLK1	Total	Soil	EPA 3550C	
11E3953-BS1	11E3953-BS1	Total	Soil	EPA 3550C	
11E3953-MS1	NUE2525-01	Total	Soil	EPA 3550C	
11E3953-MSD1	NUE2525-01	Total	Soil	EPA 3550C	
NUE2542-01	1416 Albatross	Total	Soil	EPA 3550C	
NUE2542-02	1421 Albatross	Total	Soil	EPA 3550C	
NUE2542-03	1405 Eagle	Total	Soil	EPA 3550C	
NUE2542-04	1188 Bobwhite	Total	Soil	EPA 3550C	
NUE2542-02 - RE1	1421 Albatross	Total	Soil	EPA 3550C	
NUE2542-02 - RE2	1421 Albatross	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 11E6921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E6921-DUP1	NUE2473-06	Total	Soil	SW-846	11E6921_P
NUE2542-01	1416 Albatross	Total	Soil	SW-846	11E6921_P
NUE2542-02	1421 Albatross	Total	Soil	SW-846	11E6921_P
NUE2542-03	1405 Eagle	Total	Soil	SW-846	11E6921_P
NUE2542-04	1188 Bobwhite	Total	Soil	SW-846	11E6921_P

Prep Batch: 11E6921_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11E6921-DUP1	NUE2473-06	Total	Soil	% Solids	
NUE2542-01	1416 Albatross	Total	Soil	% Solids	
NUE2542-02	1421 Albatross	Total	Soil	% Solids	
NUE2542-03	1405 Eagle	Total	Soil	% Solids	
NUE2542-04	1188 Bobwhite	Total	Soil	% Solids	

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

TestAmerica Job ID: NUE2542

Client Sample ID: 1416 Albatross

Lab Sample ID: NUE2542-01

Date Collected: 05/09/11 16:00
Matrix: Soil
Date Received: 05/14/11 09:00
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.14	11E4658_P	05/09/11 16:00	CHH	TAL NSH
Total	Analysis	SW846 8260B		1.00	U008793	05/18/11 15:05	KKK	TAL NSH
Total	Prep	EPA 5035	RE1	1.18	11E4988_P	05/09/11 16:00	CHH	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U008857	05/19/11 16:08	KKK	TAL NSH
Total	Prep	EPA 3550C		0.995	11E3953_P	05/17/11 12:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11E3953	05/20/11 00:32	KJP	TAL NSH
Total	Prep	% Solids		1.00	11E6921_P	05/27/11 09:56	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11E6921	05/31/11 14:46	AMS	TAL NSH

Client Sample ID: 1421 Albatross

Lab Sample ID: NUE2542-02

Date Collected: 05/10/11 10:45
Matrix: Soil
Date Received: 05/14/11 09:00
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.746	11E4658_P	05/10/11 10:45	CHH	TAL NSH
Total	Analysis	SW846 8260B		1.00	U008793	05/18/11 15:34	KKK	TAL NSH
Total	Prep	EPA 5035	RE1	0.778	11E4988_P	05/10/11 10:45	CHH	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U008857	05/19/11 15:38	KKK	TAL NSH
Total	Prep	EPA 3550C		0.983	11E3953_P	05/17/11 12:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11E3953	05/20/11 00:53	KJP	TAL NSH
Total	Prep	EPA 3550C	RE1	0.983	11E3953_P	05/17/11 12:15	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE1	10.0	U008904	05/21/11 17:40	KJP	TAL NSH
Total	Prep	EPA 3550C	RE2	0.983	11E3953_P	05/17/11 12:15	JJR	TAL NSH
Total	Analysis	SW846 8270D	RE2	20.0	U008904	05/21/11 18:00	KJP	TAL NSH
Total	Prep	% Solids		1.00	11E6921_P	05/27/11 09:56	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11E6921	05/31/11 14:46	AMS	TAL NSH

Client Sample ID: 1405 Eagle

Lab Sample ID: NUE2542-03

Date Collected: 05/10/11 15:15
Matrix: Soil
Date Received: 05/14/11 09:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.13	11E4658_P	05/10/11 15:15	CHH	TAL NSH
Total	Analysis	SW846 8260B		1.00	U008793	05/18/11 16:04	KKK	TAL NSH
Total	Prep	EPA 5035	RE2	1.04	11E4988_P	05/10/11 15:15	CHH	TAL NSH
Total	Analysis	SW846 8260B	RE2	50.0	U008857	05/19/11 14:10	KKK	TAL NSH
Total	Prep	EPA 3550C		0.988	11E3953_P	05/17/11 12:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11E3953	05/20/11 01:13	KJP	TAL NSH
Total	Prep	% Solids		1.00	11E6921_P	05/27/11 09:56	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11E6921	05/31/11 14:46	AMS	TAL NSH

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

TestAmerica Job ID: NUE2542

Client Sample ID: 1188 Bobwhite
Date Collected: 05/12/11 12:15
Date Received: 05/14/11 09:00

Lab Sample ID: NUE2542-04
Matrix: Soil
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.909	11E4658_P	05/12/11 12:15	CHH	TAL NSH
Total	Analysis	SW846 8260B		1.00	U008793	05/18/11 16:33	KKK	TAL NSH
Total	Prep	EPA 5035	RE1	0.945	11E4988_P	05/12/11 12:15	CHH	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U008857	05/19/11 16:37	KKK	TAL NSH
Total	Prep	EPA 3550C		0.990	11E3953_P	05/17/11 12:15	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11E3953	05/20/11 01:34	KJP	TAL NSH
Total	Prep	% Solids		1.00	11E6921_P	05/27/11 09:56	AMS	TAL NSH
Total	Analysis	SW-846		1.00	11E6921	05/31/11 14:46	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: NUE2542

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: NUE2542

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		AIHA		100790
TestAmerica Nashville		USDA		S-48469
TestAmerica Nashville	A2LA	ISO/IEC 17025	0	0453.07
TestAmerica Nashville	A2LA	WY UST	0	453.07
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	LA100011
TestAmerica Nashville	Louisiana	NELAC	6	30613
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	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.

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

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) Pratt Shaw
Sampler Signature: [signature]

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 ____

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

NUE2542
05/31/11 23:59

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label) [illegible]	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
1416 Albateoss	5/9/11	1600	5	X					2				2	1					X		X	X				
1421 Albatross	5/10/11	1045	5	X					2				2	1					X		X	X				
1405 Eagle	5/10/11	1515	5	X					2				2	1					X		X	X				
1188 Bobwhite	5/12/11	1215	5	X					2				2	1					X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	5/13/11	0900	FedEx		
Relinquished by:	Date	Time	Received by TestAmerica: [signature]	[illegible]	[illegible]

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

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 00316812 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		2DY	6.33		
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
4 ST's from: 2) 1416 Albatross 4) 1405 Eagle
1435 Dove 3) 1421 Albatross

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
Charles Herron	Charles H. Herron	5	11	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
James Baldwin	James Baldwin	5	12	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
Toni Cofield	Toni Cofield	5	12	11

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

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QF20008-007**
Description: **BEALB1405TW01WG20150619**
Matrix: **Aqueous**
Date Sampled: **06/18/2015 1050**
Date Received: **06/20/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/26/2015 2108	ALL		78249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	0.51	U	5.0	0.51	0.21	ug/L	1
Naphthalene	**91-20-3**	**8260B**	**5.5**		**5.0**	0.96	**0.14**	**ug/L**	**1**
Toluene	108-88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**1.3**	**J**	**5.0**	0.57	**0.19**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		92	75-120
1,2-Dichloroethane-d4		98	70-120
Toluene-d8		96	85-120
Dibromofluoromethane		97	85-115

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
S = MS/MSD failure

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QF20008-007**
Description: **BEALB1405TW01WG20150619**
Matrix: **Aqueous**
Date Sampled: **06/18/2015 1050**
Date Received: **06/20/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	06/23/2015 1944	RBH	06/22/2015 1610	77836

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		91	15-139
Fluoranthene-d10		82	23-154

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
S = MS/MSD failure

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C
PROMOTE PROTECT PROSPER
W. Marshall Taylor Jr., Acting Director
Promoting and protecting the health of the public and the environment

April 7, 2015

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

RE: IGWA
Laurel Bay Underground Storage Tank Assessment Reports for:
See attached sheet

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tank 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. The submitted analytical results indicate that petroleum constituents are above established Risk-Based Screening Levels and additional investigation is warranted. Specifically, the Department requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at this site.

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 M. Krieg

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)

Attachment to: Krieg to Drawdy
Subject: IGWA
Dated 4/7/2015

Laurel Bay Underground Storage Tank Assessment Reports for: (18 addresses/19 tanks)

1186 Bobwhite	1417 Albatross
1194 Cardinal	1420 Dove
1354 Cardinal	1421 Albatross Tank 1
1362 Cardinal	1421 Albatross Tank 2
1364 Cardinal Tank 1	1427 Albatross
1403 Eagle	1429 Albatross
1404 Eagle	1444 Dove Tank 1
1405 Eagle	1453 Cardinal
1408 Eagle	1455 Cardinal
1410 Eagle	

D H E C
PROMOTE PROTECT PROSPER

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

Division of Waste Management
Bureau of Land and Waste Management

February 22, 2016

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

RE: Approval and Concurrence with Draft Final Initial Groundwater Investigation Report-May and June 2015
Laurel Bay Military Housing Area Multiple Properties
Dated October 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the addresses attached. 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).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 52 stated addresses. For the remaining 91 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

Cc: Russell Berry, EQC Region 8 (via email)
Shawn Dolan, Resolution Consultants (via email)
Bryan Beck, NAVFAC MIDATLANTIC (via email)
Craig Ehde (via email)

Attachment to: Petrus to Drawdy
Subject: Draft Final Initial Groundwater Investigation Report-May and June 2015
Specific Property Recommendations
Dated February 22, 2016

Draft Final Initial Groundwater Investigation Report for (143 addresses)

Permanent Monitoring Well Investigation recommendation (52 addresses)	
273 Birch Drive	1192 Bobwhite Drive
325 Ash Street	1194 Bobwhite Drive
326 Ash Street	1272 Albatross Drive
336 Ash Street	1352 Cardinal Lane
343 Ash Street	1356 Cardinal Lane
353 Ash Street	1359 Cardinal Lane
430 Elderberry Drive	1360 Cardinal Lane
440 Elderberry Drive	1362 Cardinal Lane
456 Elderberry Drive	1370 Cardinal Lane
458 Elderberry Drive	1382 Dove Lane
468 Dogwood Drive	1384 Dove lane
518 Laurel Bay Blvd	1385 Dove Lane
635 Dahlia Drive	1389 Dove Lane
638 Dahlia Drive	1392 Dove Lane
640 Dahlia Drive	1393 Dove Lane
647 Dahlia Drive	1407 Eagle Lane
648 Dahlia Drive	1411 Eagle Lane
650 Dahlia Drive	1418 Albatross Drive
652 Dahlia Drive	1420 Albatross Drive
760 Althea Street	1426 Albatross Drive
1102 Iris Lane	1429 Albatross Drive
1132 Iris Lane	1434 Dove Lane
1133 Iris Lane	1436 Dove Lane
1144 Iris Lane	1440 Dove Lane
1148 Iris Lane	1442 Dove Lane
1186 Bobwhite Drive	1444 Dove Lane
No Further Action recommendation (91 addresses):	
137 Laurel Bay Blvd	771 Althea Street
139 Laurel Bay Blvd	927 Albacore Street
229 Cypress Street	1015 Foxglove Street
261 Beech Street	1046 Gardenia Drive
276 Birch Drive	1062 Gardenia Drive
278 Birch Drive	1070 Heather Street
291 Birch Drive	1072 Heather Street

300 Ash Street	1107 Iris Lane
304 Ash Street	1126 Iris Lane
314 Ash Street	1129 Iris Lane
322 Ash Street	1138 Iris Lane
323 Ash Street	1161 Jasmine Street
324 Ash Street	1167 Jasmine Street
339 Ash Street	1170 Jasmine Street
344 Ash Street	1190 Bobwhite Drive
348 Ash Street	1219 Cardinal Lane
349 Ash Street	1305 Eagle Lane
362 Aspen Street	1353 Cardinal Lane
376 Aspen Street	1354 Cardinal Lane
380 Aspen Street	1357 Cardinal Lane
383 Aspen Street	1361 Cardinal Lane
387 Acorn Drive	1364 Cardinal Lane
392 Acorn Drive	1368 Cardinal Lane
396 Acorn Drive	1377 Dove Lane
433 Elderberry Drive	1381 Dove Lane
439 Elderberry Drive	1391 Dove Lane
442 Elderberry Drive	1403 Eagle Lane
443 Elderberry Drive	1404 Eagle Lane
444 Elderberry Drive	1405 Eagle Lane
445 Elderberry Drive	1406 Eagle Lane
446 Elderberry Drive	1408 Eagle Lane
448 Elderberry Drive	1410 Eagle Lane
449 Elderberry Drive	1412 Eagle Lane
451 Elderberry Drive	1413 Albatross Drive
453 Elderberry Drive	1414 Albatross Drive
464 Dogwood Drive	1417 Albatross Drive
466 Dogwood Drive	1421 Albatross Drive
467 Dogwood Drive	1422 Albatross Drive
469 Dogwood Drive	1425 Albatross Drive
471 Dogwood Drive	1427 Albatross Drive
475 Dogwood Drive	1430 Dove Lane
516 Laurel Bay Blvd	1432 Dove Lane
531 Laurel Bay Blvd	1438 Dove Lane
532 Laurel Bay Blvd	1453 Cardinal Lane
645 Dahlia Drive	1455 Cardinal Lane
763 Althea Street	