SUMMARY REPORT
30 BIRCH ROAD (FORMERLY 267 BIRCH ROAD)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0

Prepared for:

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

and

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

JUNE 2021

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Prepared by:

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

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

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List of Acronyms

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
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 30 Birch Road (Formerly 267 Birch Road). 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 30 Birch Road (Formerly 267 Birch Road). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 267 Birch Road* (MCAS Beaufort, 2012). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On November 9, 2011, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the driveway at 30 Birch Road (Formerly 267 Birch Road). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 5'6" 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 30 Birch Road (Formerly 267 Birch Road) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 30 Birch Road (Formerly 267 Birch Road). This NFA determination was obtained in a letter dated May 15, 2014. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2012. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 267 Birch Road, Laurel Bay Military Housing Area*, February 2012.

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
30 Birch Road (Formerly 267 Birch Road)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Sample Collected 11/09/11
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 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 - milligram per kilogram

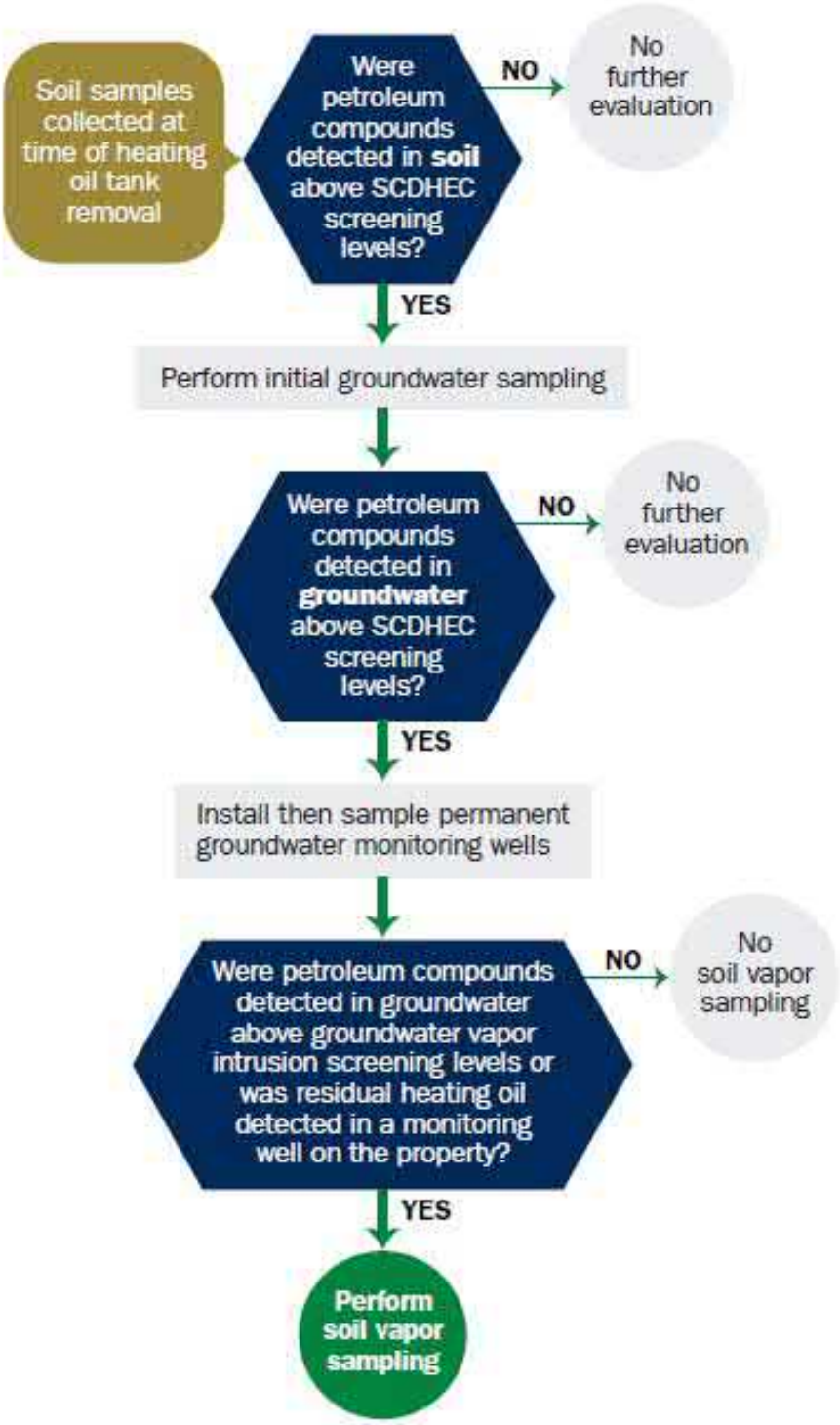
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

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 Report

CDM - AECOM
Multimedia Joint Venture

rec'd 2/16/12

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

267 Birch Drive, 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).....	267Birch	
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.....	5'6"	
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.....	11/9/2011	
L.	Visible Holes Y/N.....	Yes	
		Yes	

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

UST 267Birch 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 267Birch and disposed of 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

267Birch		
Steel & Copper		
N/A		
N/A		
Suction		
Yes		
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.

The steel vent piping was corroded and pitted. The 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 #
267 Birch	Excav at fill end	Soil	Sandy	5'6"	11/9/11 1400 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.

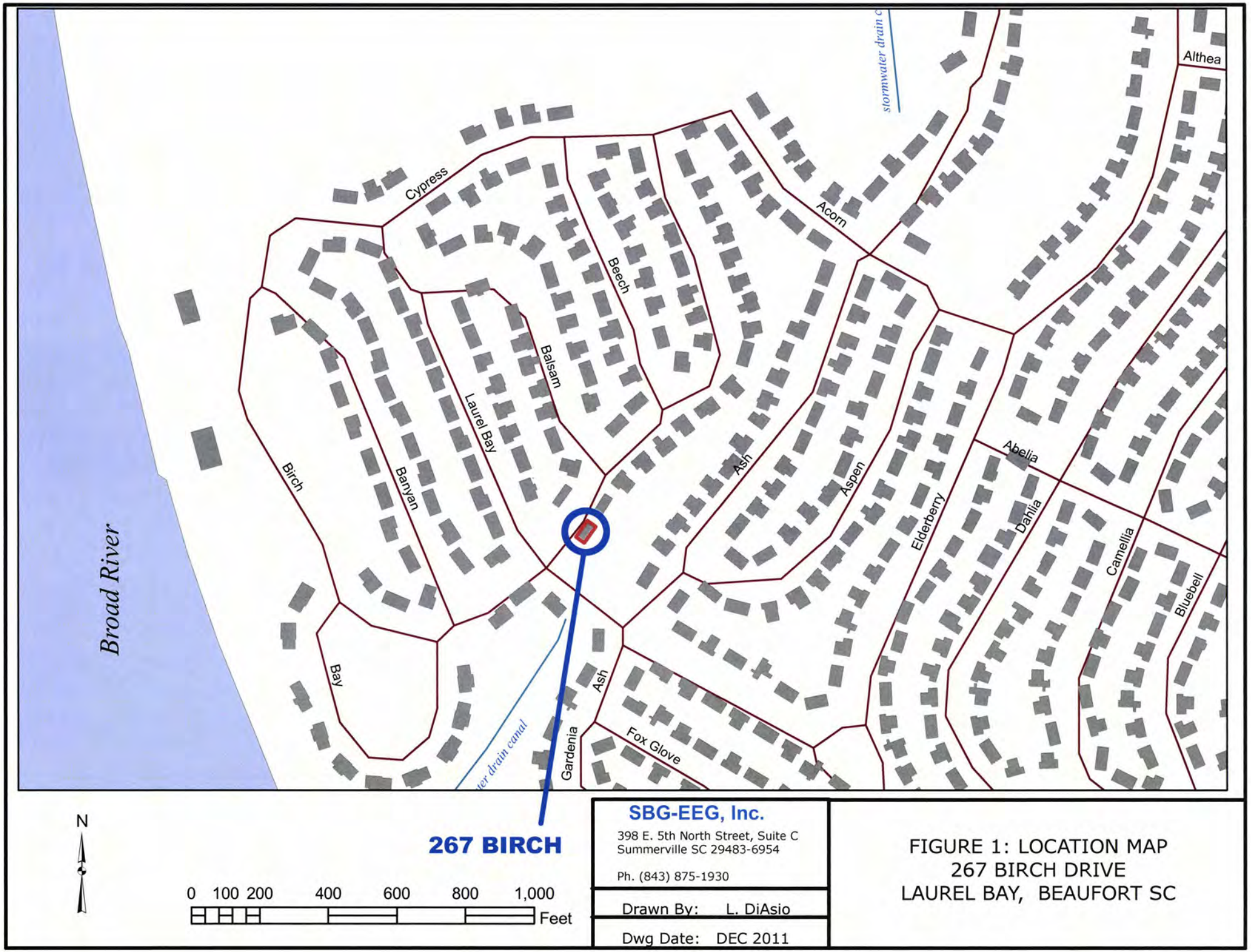
XII. RECEPTORS

		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Approx 270' to 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 and 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)

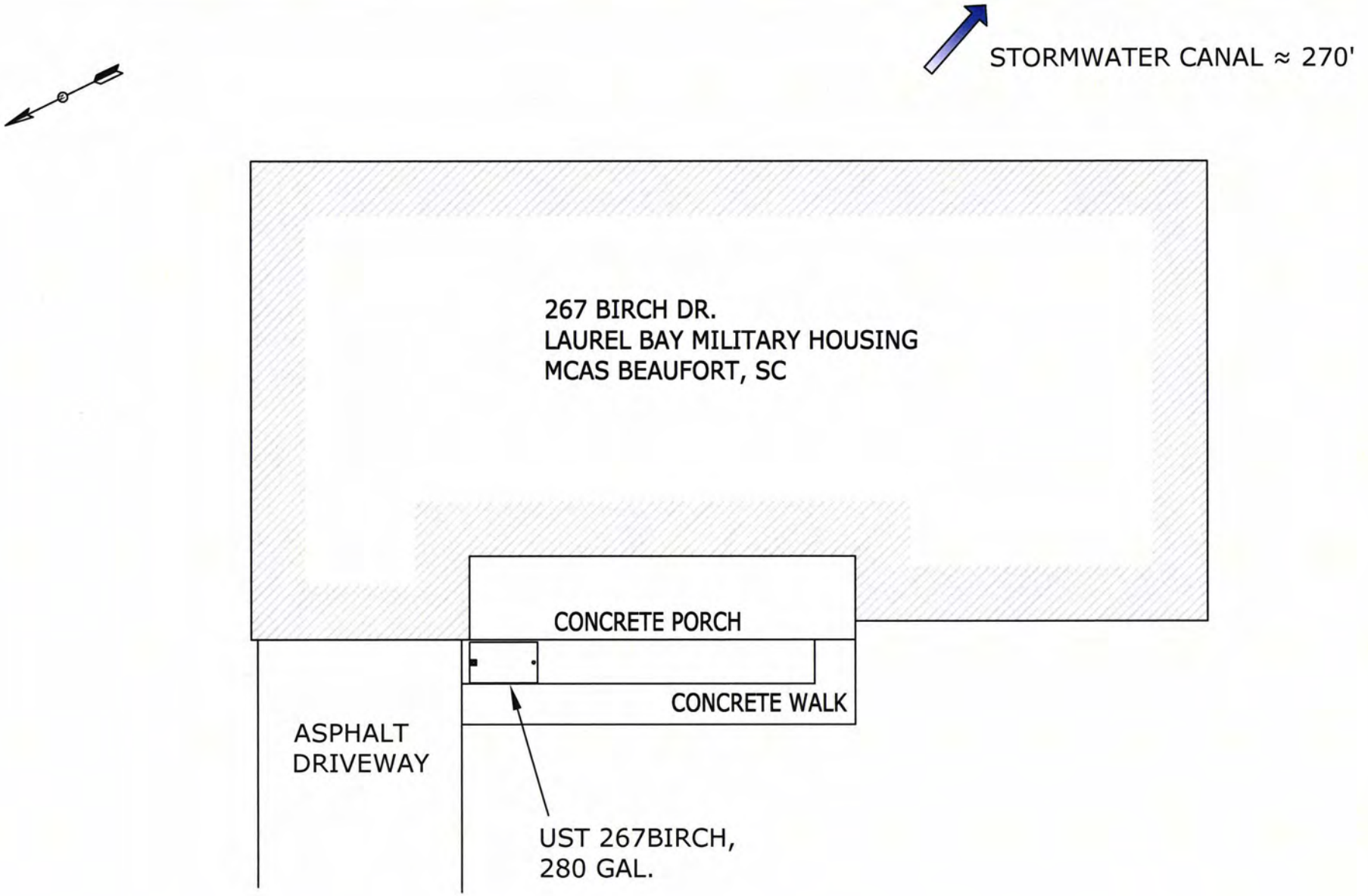


SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: DEC 2011

FIGURE 1: LOCATION MAP
267 BIRCH DRIVE
LAUREL BAY, BEAUFORT SC



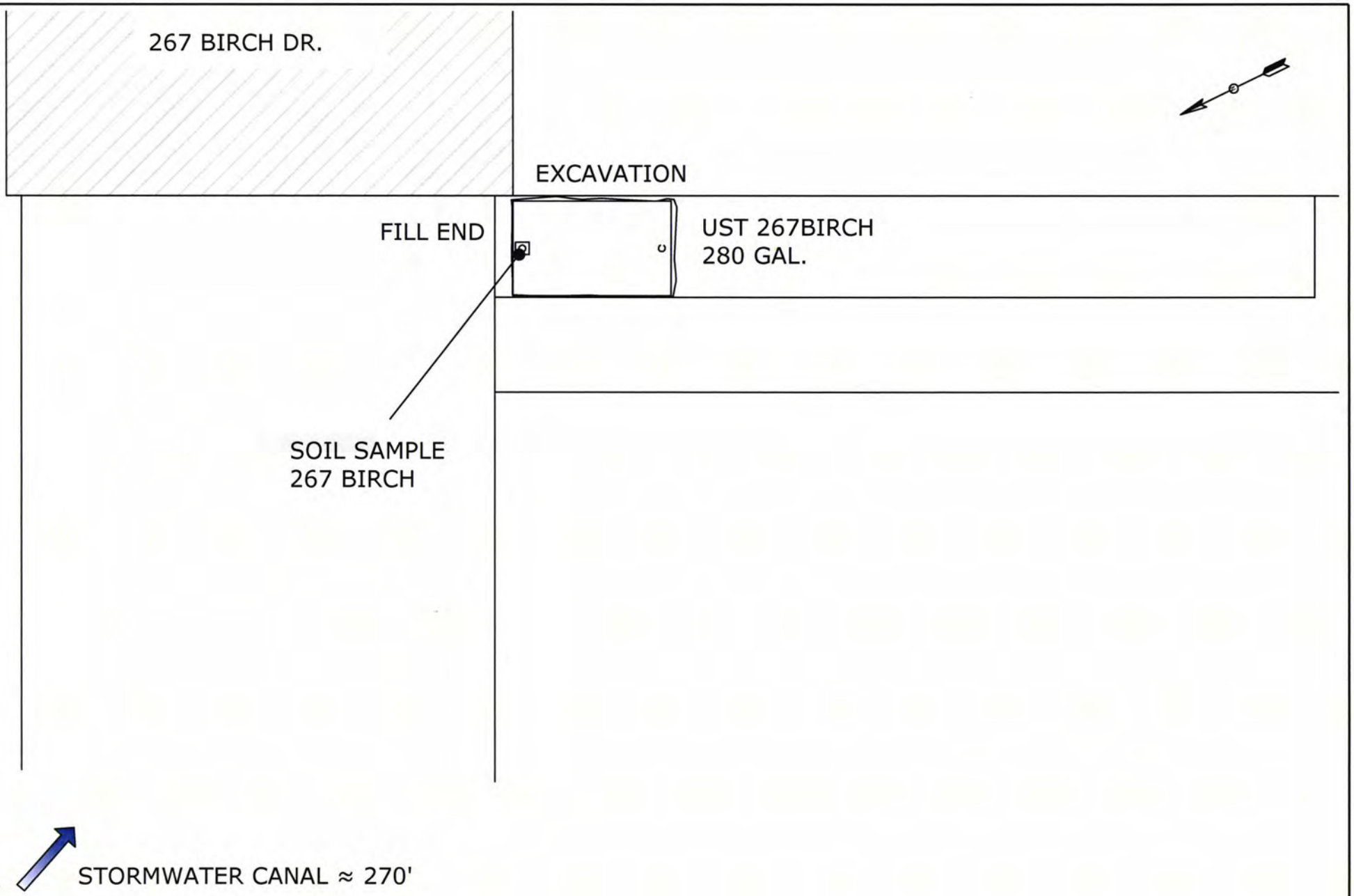
GRAPHIC SCALE

0 5' 10' 20'

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

FIGURE 2 SITE MAP
267 BIRCH DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2011



SBG-EEG

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

FIGURE 3 UST SAMPLE LOCATIONS
267 BIRCH DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2011

Picture 1: Location of UST 267Birch.

Picture 2: UST 267Birch 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	267Birch					
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: NUK1866
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:
11/29/2011 12:50:44 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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

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

TestAmerica Job ID: NUK1866

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUK1866-01	278 Birch	Soil	11/08/11 14:45	11/12/11 08:30
NUK1866-02	267 Birch	Soil	11/09/11 14:00	11/12/11 08:30
NUK1866-03	1066 Gardenia	Soil	11/10/11 15:30	11/12/11 08:30

Definitions/Glossary

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

TestAmerica Job ID: NUK1866

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).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

GCMS Semivolatiles

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

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

TestAmerica Job ID: NUK1866

Client Sample ID: 278 Birch
Date Collected: 11/08/11 14:45
Date Received: 11/12/11 08:30

Lab Sample ID: NUK1866-01
Matrix: Soil
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00204	0.00112	mg/kg dry	☼	11/08/11 14:45	11/15/11 16:03	1.00
Ethylbenzene	**0.0108**		0.00204	0.00112	mg/kg dry	☼	11/08/11 14:45	11/15/11 16:03	1.00
Naphthalene	**0.0555**		0.00511	0.00256	mg/kg dry	☼	11/08/11 14:45	11/15/11 16:03	1.00
Toluene	ND		0.00204	0.00112	mg/kg dry	☼	11/08/11 14:45	11/15/11 16:03	1.00
Xylenes, total	**0.00605**		0.00511	0.00256	mg/kg dry	☼	11/08/11 14:45	11/15/11 16:03	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*107*		*70 - 130*	*11/08/11 14:45*	*11/15/11 16:03*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*11/08/11 14:45*	*11/15/11 16:03*	*1.00*
Toluene-d8	*102*		*70 - 130*	*11/08/11 14:45*	*11/15/11 16:03*	*1.00*
4-Bromofluorobenzene	*116*		*70 - 130*	*11/08/11 14:45*	*11/15/11 16:03*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Acenaphthylene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Anthracene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Benzo (a) anthracene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Benzo (a) pyrene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Benzo (b) fluoranthene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Benzo (g,h,i) perylene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Benzo (k) fluoranthene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Chrysene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Dibenz (a,h) anthracene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Fluoranthene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Fluorene	**0.0907**		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Naphthalene	**0.135**		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Phenanthrene	**0.176**		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
Pyrene	ND		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
1-Methylnaphthalene	**0.391**		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00
2-Methylnaphthalene	**0.664**		0.0817	0.0415	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:24	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*85*		*18 - 120*	*11/16/11 09:03*	*11/16/11 19:24*	*1.00*
2-Fluorobiphenyl	*64*		*14 - 120*	*11/16/11 09:03*	*11/16/11 19:24*	*1.00*
Nitrobenzene-d5	*60*		*17 - 120*	*11/16/11 09:03*	*11/16/11 19:24*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**79.5**		0.500	0.500	%		11/17/11 10:55	11/18/11 10:53	1.00

Client Sample ID: 267 Birch
Date Collected: 11/09/11 14:00
Date Received: 11/12/11 08:30

Lab Sample ID: NUK1866-02
Matrix: Soil
Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00214	0.00118	mg/kg dry	☼	11/09/11 14:00	11/15/11 16:34	1.00
Ethylbenzene	ND		0.00214	0.00118	mg/kg dry	☼	11/09/11 14:00	11/15/11 16:34	1.00
Naphthalene	ND		0.00534	0.00267	mg/kg dry	☼	11/09/11 14:00	11/15/11 16:34	1.00
Toluene	ND		0.00214	0.00118	mg/kg dry	☼	11/09/11 14:00	11/15/11 16:34	1.00
Xylenes, total	ND		0.00534	0.00267	mg/kg dry	☼	11/09/11 14:00	11/15/11 16:34	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*11/09/11 14:00*	*11/15/11 16:34*	*1.00*
Dibromofluoromethane	*104*		*70 - 130*	*11/09/11 14:00*	*11/15/11 16:34*	*1.00*
Toluene-d8	*100*		*70 - 130*	*11/09/11 14:00*	*11/15/11 16:34*	*1.00*
4-Bromofluorobenzene	*111*		*70 - 130*	*11/09/11 14:00*	*11/15/11 16:34*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Acenaphthylene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Anthracene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Benzo (a) anthracene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Benzo (a) pyrene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Benzo (b) fluoranthene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Benzo (g,h,i) perylene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Benzo (k) fluoranthene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Chrysene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Dibenz (a,h) anthracene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Fluoranthene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Fluorene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Naphthalene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Phenanthrene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
Pyrene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
1-Methylnaphthalene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00
2-Methylnaphthalene	ND		0.0703	0.0357	mg/kg dry	☼	11/16/11 09:03	11/16/11 19:44	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*88*		*18 - 120*	*11/16/11 09:03*	*11/16/11 19:44*	*1.00*
2-Fluorobiphenyl	*66*		*14 - 120*	*11/16/11 09:03*	*11/16/11 19:44*	*1.00*
Nitrobenzene-d5	*58*		*17 - 120*	*11/16/11 09:03*	*11/16/11 19:44*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**94.4**		0.500	0.500	%		11/17/11 10:55	11/18/11 10:53	1.00

Client Sample Results

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

TestAmerica Job ID: NUK1866

Client Sample ID: 1066 Gardenia
Date Collected: 11/10/11 15:30
Date Received: 11/12/11 08:30

Lab Sample ID: NUK1866-03
Matrix: Soil
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00198	0.00109	mg/kg dry	☼	11/10/11 15:30	11/23/11 13:22	1.00
Ethylbenzene	**0.00404**		0.00198	0.00109	mg/kg dry	☼	11/10/11 15:30	11/23/11 13:22	1.00
Naphthalene	**0.0276**		0.00494	0.00247	mg/kg dry	☼	11/10/11 15:30	11/23/11 13:22	1.00
Toluene	ND		0.00198	0.00109	mg/kg dry	☼	11/10/11 15:30	11/23/11 13:22	1.00
Xylenes, total	**0.0658**		0.00494	0.00247	mg/kg dry	☼	11/10/11 15:30	11/23/11 13:22	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*107*		*70 - 130*	*11/10/11 15:30*	*11/23/11 13:22*	*1.00*
Dibromofluoromethane	*107*		*70 - 130*	*11/10/11 15:30*	*11/23/11 13:22*	*1.00*
Toluene-d8	*114*		*70 - 130*	*11/10/11 15:30*	*11/23/11 13:22*	*1.00*
4-Bromofluorobenzene	*132*	*ZX*	*70 - 130*	*11/10/11 15:30*	*11/23/11 13:22*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Acenaphthylene	ND		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Anthracene	**0.164**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Benzo (a) anthracene	**0.180**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Benzo (a) pyrene	**0.0516**	**J**	0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Benzo (b) fluoranthene	**0.0686**	**J**	0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Benzo (g,h,i) perylene	ND		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Benzo (k) fluoranthene	**0.0470**	**J**	0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Chrysene	**0.128**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Dibenz (a,h) anthracene	ND		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Fluoranthene	**1.07**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Fluorene	**0.167**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Indeno (1,2,3-cd) pyrene	**0.0624**	**J**	0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Naphthalene	**0.0624**	**J**	0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Phenanthrene	**1.36**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
Pyrene	**0.677**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
1-Methylnaphthalene	**0.170**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00
2-Methylnaphthalene	**0.302**		0.0775	0.0393	mg/kg dry	☼	11/16/11 09:03	11/16/11 20:03	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*81*		*18 - 120*	*11/16/11 09:03*	*11/16/11 20:03*	*1.00*
2-Fluorobiphenyl	*68*		*14 - 120*	*11/16/11 09:03*	*11/16/11 20:03*	*1.00*
Nitrobenzene-d5	*63*		*17 - 120*	*11/16/11 09:03*	*11/16/11 20:03*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**86.2**		0.500	0.500	%		11/17/11 10:55	11/18/11 10:53	1.00

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

Lab Sample ID: 11K3683-BLK1
Matrix: Soil
Analysis Batch: U020175

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K3683_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		11/15/11 09:59	11/15/11 12:31	1.00
Ethylbenzene	ND		0.00200	0.00110	mg/kg wet		11/15/11 09:59	11/15/11 12:31	1.00
Naphthalene	ND		0.00500	0.00250	mg/kg wet		11/15/11 09:59	11/15/11 12:31	1.00
Toluene	ND		0.00200	0.00110	mg/kg wet		11/15/11 09:59	11/15/11 12:31	1.00
Xylenes, total	ND		0.00500	0.00250	mg/kg wet		11/15/11 09:59	11/15/11 12:31	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*99*		*70 - 130*	*11/15/11 09:59*	*11/15/11 12:31*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*11/15/11 09:59*	*11/15/11 12:31*	*1.00*
Toluene-d8	*105*		*70 - 130*	*11/15/11 09:59*	*11/15/11 12:31*	*1.00*
4-Bromofluorobenzene	*108*		*70 - 130*	*11/15/11 09:59*	*11/15/11 12:31*	*1.00*

Lab Sample ID: 11K3683-BLK2
Matrix: Soil
Analysis Batch: U020175

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K3683_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0550	mg/kg wet		11/15/11 09:59	11/15/11 13:02	50.0
Ethylbenzene	ND		0.100	0.0550	mg/kg wet		11/15/11 09:59	11/15/11 13:02	50.0
Naphthalene	ND		0.250	0.125	mg/kg wet		11/15/11 09:59	11/15/11 13:02	50.0
Toluene	ND		0.100	0.0550	mg/kg wet		11/15/11 09:59	11/15/11 13:02	50.0
Xylenes, total	ND		0.250	0.125	mg/kg wet		11/15/11 09:59	11/15/11 13:02	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*101*		*70 - 130*	*11/15/11 09:59*	*11/15/11 13:02*	*50.0*
Dibromofluoromethane	*105*		*70 - 130*	*11/15/11 09:59*	*11/15/11 13:02*	*50.0*
Toluene-d8	*104*		*70 - 130*	*11/15/11 09:59*	*11/15/11 13:02*	*50.0*
4-Bromofluorobenzene	*107*		*70 - 130*	*11/15/11 09:59*	*11/15/11 13:02*	*50.0*

Lab Sample ID: 11K3683-BS1
Matrix: Soil
Analysis Batch: U020175

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K3683_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	55.8		ug/kg		112	75 - 127
Ethylbenzene	50.0	55.3		ug/kg		111	80 - 134
Naphthalene	50.0	50.0		ug/kg		100	69 - 150
Toluene	50.0	56.7		ug/kg		113	80 - 132
Xylenes, total	150	166		ug/kg		111	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*109*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*
Toluene-d8	*104*		*70 - 130*
4-Bromofluorobenzene	*107*		*70 - 130*

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

Lab Sample ID: 11K3683-BSD1
Matrix: Soil
Analysis Batch: U020175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K3683_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	53.6		ug/kg		107	75 - 127	4	50
Ethylbenzene	50.0	53.4		ug/kg		107	80 - 134	4	50
Naphthalene	50.0	48.2		ug/kg		96	69 - 150	4	50
Toluene	50.0	54.0		ug/kg		108	80 - 132	5	50
Xylenes, total	150	160		ug/kg		106	80 - 137	4	50

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*108*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8	*103*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Lab Sample ID: 11K3683-MS1
Matrix: Soil
Analysis Batch: U020175

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11K3683_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		2.47	3.43		mg/kg wet		139	31 - 143
Ethylbenzene	2.41		2.47	6.50	M1	mg/kg wet		166	23 - 161
Naphthalene	2.60		2.47	6.22		mg/kg wet		147	10 - 176
Toluene	ND		2.47	3.65		mg/kg wet		148	30 - 155
Xylenes, total	16.3		7.40	28.9	M1	mg/kg wet		170	25 - 162

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*102*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8	*104*		*70 - 130*
4-Bromofluorobenzene	*108*		*70 - 130*

Lab Sample ID: 11K3683-MSD1
Matrix: Soil
Analysis Batch: U020175

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11K3683_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		2.47	3.05		mg/kg wet		124	31 - 143	12	50
Ethylbenzene	2.41		2.47	5.87		mg/kg wet		140	23 - 161	10	50
Naphthalene	2.60		2.47	5.55		mg/kg wet		120	10 - 176	11	50
Toluene	ND		2.47	3.28		mg/kg wet		133	30 - 155	11	50
Xylenes, total	16.3		7.40	27.1		mg/kg wet		146	25 - 162	6	50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*105*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*105*		*70 - 130*
4-Bromofluorobenzene	*112*		*70 - 130*

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

Lab Sample ID: 11K5924-BLK1
Matrix: Soil
Analysis Batch: U020677

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K5924_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.00110	mg/kg wet		11/23/11 09:51	11/23/11 12:22	1.00
Ethylbenzene	ND		0.00200	0.00110	mg/kg wet		11/23/11 09:51	11/23/11 12:22	1.00
Naphthalene	ND		0.00500	0.00250	mg/kg wet		11/23/11 09:51	11/23/11 12:22	1.00
Toluene	ND		0.00200	0.00110	mg/kg wet		11/23/11 09:51	11/23/11 12:22	1.00
Xylenes, total	ND		0.00500	0.00250	mg/kg wet		11/23/11 09:51	11/23/11 12:22	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*70 - 130*	*11/23/11 09:51*	*11/23/11 12:22*	*1.00*
Dibromofluoromethane	*105*		*70 - 130*	*11/23/11 09:51*	*11/23/11 12:22*	*1.00*
Toluene-d8	*110*		*70 - 130*	*11/23/11 09:51*	*11/23/11 12:22*	*1.00*
4-Bromofluorobenzene	*110*		*70 - 130*	*11/23/11 09:51*	*11/23/11 12:22*	*1.00*

Lab Sample ID: 11K5924-BS1
Matrix: Soil
Analysis Batch: U020677

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K5924_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	56.0		ug/kg		112	75 - 127
Ethylbenzene	50.0	49.3		ug/kg		99	80 - 134
Naphthalene	50.0	53.7		ug/kg		107	69 - 150
Toluene	50.0	48.6		ug/kg		97	80 - 132
Xylenes, total	150	148		ug/kg		98	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*107*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8	*86*		*70 - 130*
4-Bromofluorobenzene	*108*		*70 - 130*

Lab Sample ID: 11K5924-BSD1
Matrix: Soil
Analysis Batch: U020677

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K5924_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	54.5		ug/kg		109	75 - 127	3	50
Ethylbenzene	50.0	54.9		ug/kg		110	80 - 134	11	50
Naphthalene	50.0	52.4		ug/kg		105	69 - 150	3	50
Toluene	50.0	55.9		ug/kg		112	80 - 132	14	50
Xylenes, total	150	166		ug/kg		110	80 - 137	12	50

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*106*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8	*102*		*70 - 130*
4-Bromofluorobenzene	*109*		*70 - 130*

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

Lab Sample ID: 11K3483-BLK1
Matrix: Soil
Analysis Batch: 11K3483

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K3483_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Acenaphthylene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Anthracene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Benzo (a) anthracene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Benzo (a) pyrene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Benzo (b) fluoranthene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Benzo (g,h,i) perylene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Benzo (k) fluoranthene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Chrysene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Dibenz (a,h) anthracene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Fluoranthene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Fluorene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Naphthalene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Phenanthrene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
Pyrene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
1-Methylnaphthalene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00
2-Methylnaphthalene	ND		0.0670	0.0340	mg/kg wet		11/16/11 09:03	11/16/11 17:27	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*105*		*18 - 120*	*11/16/11 09:03*	*11/16/11 17:27*	*1.00*
2-Fluorobiphenyl	*78*		*14 - 120*	*11/16/11 09:03*	*11/16/11 17:27*	*1.00*
Nitrobenzene-d5	*70*		*17 - 120*	*11/16/11 09:03*	*11/16/11 17:27*	*1.00*

Lab Sample ID: 11K3483-BS1
Matrix: Soil
Analysis Batch: 11K3483

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K3483_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.35		mg/kg wet		81	36 - 120
Acenaphthylene	1.67	1.22		mg/kg wet		73	38 - 120
Anthracene	1.67	1.39		mg/kg wet		84	46 - 124
Benzo (a) anthracene	1.67	1.49		mg/kg wet		89	45 - 120
Benzo (a) pyrene	1.67	1.54		mg/kg wet		93	45 - 120
Benzo (b) fluoranthene	1.67	1.59		mg/kg wet		95	42 - 120
Benzo (g,h,i) perylene	1.67	1.30		mg/kg wet		78	38 - 120
Benzo (k) fluoranthene	1.67	1.31		mg/kg wet		79	42 - 120
Chrysene	1.67	1.41		mg/kg wet		85	43 - 120
Dibenz (a,h) anthracene	1.67	1.24		mg/kg wet		74	32 - 128
Fluoranthene	1.67	1.50		mg/kg wet		90	46 - 120
Fluorene	1.67	1.56		mg/kg wet		94	42 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.23		mg/kg wet		74	41 - 121
Naphthalene	1.67	1.32		mg/kg wet		79	32 - 120
Phenanthrene	1.67	1.39		mg/kg wet		83	45 - 120
Pyrene	1.67	1.51		mg/kg wet		90	43 - 120
1-Methylnaphthalene	1.67	0.987		mg/kg wet		59	32 - 120
2-Methylnaphthalene	1.67	1.27		mg/kg wet		76	28 - 120

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

Lab Sample ID: 11K3483-BS1
Matrix: Soil
Analysis Batch: 11K3483

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K3483_P

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*92*		*18 - 120*
2-Fluorobiphenyl	*69*		*14 - 120*
Nitrobenzene-d5	*57*		*17 - 120*

Lab Sample ID: 11K3483-MS1
Matrix: Soil
Analysis Batch: 11K3483

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11K3483_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		1.70	1.25		mg/kg dry	☼	73	19 - 120
Acenaphthylene	ND		1.70	1.12		mg/kg dry	☼	66	25 - 120
Anthracene	ND		1.70	1.30		mg/kg dry	☼	76	28 - 125
Benzo (a) anthracene	ND		1.70	1.37		mg/kg dry	☼	80	23 - 120
Benzo (a) pyrene	ND		1.70	1.35		mg/kg dry	☼	79	15 - 128
Benzo (b) fluoranthene	ND		1.70	1.20		mg/kg dry	☼	70	12 - 133
Benzo (g,h,i) perylene	ND		1.70	1.14		mg/kg dry	☼	67	22 - 120
Benzo (k) fluoranthene	ND		1.70	1.33		mg/kg dry	☼	78	28 - 120
Chrysene	ND		1.70	1.30		mg/kg dry	☼	76	20 - 120
Dibenz (a,h) anthracene	ND		1.70	1.12		mg/kg dry	☼	66	12 - 128
Fluoranthene	ND		1.70	1.33		mg/kg dry	☼	78	10 - 143
Fluorene	ND		1.70	1.37		mg/kg dry	☼	81	20 - 120
Indeno (1,2,3-cd) pyrene	ND		1.70	1.12		mg/kg dry	☼	66	22 - 121
Naphthalene	ND		1.70	1.22		mg/kg dry	☼	72	10 - 120
Phenanthrene	ND		1.70	1.28		mg/kg dry	☼	75	21 - 122
Pyrene	ND		1.70	1.41		mg/kg dry	☼	83	20 - 123
1-Methylnaphthalene	ND		1.70	0.926		mg/kg dry	☼	54	10 - 120
2-Methylnaphthalene	ND		1.70	1.15		mg/kg dry	☼	68	13 - 120

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
Terphenyl-d14	*84*		*18 - 120*
2-Fluorobiphenyl	*61*		*14 - 120*
Nitrobenzene-d5	*52*		*17 - 120*

Lab Sample ID: 11K3483-MSD1
Matrix: Soil
Analysis Batch: 11K3483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11K3483_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		1.70	1.23		mg/kg dry	☼	72	19 - 120	2	50
Acenaphthylene	ND		1.70	1.11		mg/kg dry	☼	65	25 - 120	1	50
Anthracene	ND		1.70	1.33		mg/kg dry	☼	78	28 - 125	2	49
Benzo (a) anthracene	ND		1.70	1.45		mg/kg dry	☼	85	23 - 120	6	50
Benzo (a) pyrene	ND		1.70	1.43		mg/kg dry	☼	84	15 - 128	6	50
Benzo (b) fluoranthene	ND		1.70	1.34		mg/kg dry	☼	79	12 - 133	12	50
Benzo (g,h,i) perylene	ND		1.70	1.11		mg/kg dry	☼	65	22 - 120	3	50
Benzo (k) fluoranthene	ND		1.70	1.25		mg/kg dry	☼	74	28 - 120	6	45
Chrysene	ND		1.70	1.30		mg/kg dry	☼	76	20 - 120	0.1	49
Dibenz (a,h) anthracene	ND		1.70	1.15		mg/kg dry	☼	68	12 - 128	3	50
Fluoranthene	ND		1.70	1.31		mg/kg dry	☼	77	10 - 143	2	50

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

Lab Sample ID: 11K3483-MSD1
Matrix: Soil
Analysis Batch: 11K3483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11K3483_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	ND		1.70	1.37		mg/kg dry	☼	80	20 - 120	0.4	50
Indeno (1,2,3-cd) pyrene	ND		1.70	1.13		mg/kg dry	☼	66	22 - 121	0.6	50
Naphthalene	ND		1.70	1.23		mg/kg dry	☼	72	10 - 120	0.5	50
Phenanthrene	ND		1.70	1.32		mg/kg dry	☼	78	21 - 122	3	50
Pyrene	ND		1.70	1.41		mg/kg dry	☼	83	20 - 123	0.5	50
1-Methylnaphthalene	ND		1.70	0.938		mg/kg dry	☼	55	10 - 120	1	50
2-Methylnaphthalene	ND		1.70	1.15		mg/kg dry	☼	68	13 - 120	0.5	50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Terphenyl-d14	*85*		*18 - 120*
2-Fluorobiphenyl	*62*		*14 - 120*
Nitrobenzene-d5	*53*		*17 - 120*

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11K4341-DUP1
Matrix: Soil
Analysis Batch: 11K4341

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 11K4341_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Dry Solids	80.7		81.0		%		0.3	20

QC Association Summary

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

TestAmerica Job ID: NUK1866

GCMS Volatiles

Analysis Batch: U020175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3683-BLK1	Method Blank	Total	Soil	SW846 8260B	11K3683_P
11K3683-BLK2	Method Blank	Total	Soil	SW846 8260B	11K3683_P
11K3683-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K3683_P
11K3683-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K3683_P
11K3683-MS1	Matrix Spike	Total	Soil	SW846 8260B	11K3683_P
11K3683-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	11K3683_P
NUK1866-01	278 Birch	Total	Soil	SW846 8260B	11K3683_P
NUK1866-02	267 Birch	Total	Soil	SW846 8260B	11K3683_P

Analysis Batch: U020677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K5924-BLK1	Method Blank	Total	Soil	SW846 8260B	11K5924_P
11K5924-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K5924_P
11K5924-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11K5924_P
NUK1866-03 - RE1	1066 Gardenia	Total	Soil	SW846 8260B	11K5924_P

Prep Batch: 11K3683_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3683-BLK1	Method Blank	Total	Soil	EPA 5035	
11K3683-BLK2	Method Blank	Total	Soil	EPA 5035	
11K3683-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11K3683-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11K3683-MS1	Matrix Spike	Total	Soil	EPA 5035	
11K3683-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NUK1866-01	278 Birch	Total	Soil	EPA 5035	
NUK1866-02	267 Birch	Total	Soil	EPA 5035	

Prep Batch: 11K5924_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K5924-BLK1	Method Blank	Total	Soil	EPA 5035	
11K5924-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11K5924-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
NUK1866-03 - RE1	1066 Gardenia	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 11K3483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3483-BLK1	Method Blank	Total	Soil	SW846 8270D	11K3483_P
11K3483-BS1	Lab Control Sample	Total	Soil	SW846 8270D	11K3483_P
11K3483-MS1	Matrix Spike	Total	Soil	SW846 8270D	11K3483_P
11K3483-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	11K3483_P
NUK1866-01	278 Birch	Total	Soil	SW846 8270D	11K3483_P
NUK1866-02	267 Birch	Total	Soil	SW846 8270D	11K3483_P
NUK1866-03	1066 Gardenia	Total	Soil	SW846 8270D	11K3483_P

Prep Batch: 11K3483_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K3483-BLK1	Method Blank	Total	Soil	EPA 3550B	
11K3483-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
11K3483-MS1	Matrix Spike	Total	Soil	EPA 3550B	
11K3483-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550B	

GCMS Semivolatiles (Continued)

Prep Batch: 11K3483_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUK1866-01	278 Birch	Total	Soil	EPA 3550B	
NUK1866-02	267 Birch	Total	Soil	EPA 3550B	
NUK1866-03	1066 Gardenia	Total	Soil	EPA 3550B	

Extractions

Analysis Batch: 11K4341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4341-DUP1	Duplicate	Total	Soil	SW-846	11K4341_P
NUK1866-01	278 Birch	Total	Soil	SW-846	11K4341_P
NUK1866-02	267 Birch	Total	Soil	SW-846	11K4341_P
NUK1866-03	1066 Gardenia	Total	Soil	SW-846	11K4341_P

Prep Batch: 11K4341_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K4341-DUP1	Duplicate	Total	Soil	% Solids	
NUK1866-01	278 Birch	Total	Soil	% Solids	
NUK1866-02	267 Birch	Total	Soil	% Solids	
NUK1866-03	1066 Gardenia	Total	Soil	% Solids	

Lab Chronicle

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

TestAmerica Job ID: NUK1866

Client Sample ID: 278 Birch

Lab Sample ID: NUK1866-01

Date Collected: 11/08/11 14:45
Matrix: Soil
Date Received: 11/12/11 08:30
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.813	11K3683_P	11/08/11 14:45	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020175	11/15/11 16:03	KKK	TAL NSH
Total	Prep	EPA 3550B		0.970	11K3483_P	11/16/11 09:03	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3483	11/16/11 19:24	KJP	TAL NSH
Total	Prep	% Solids		1.00	11K4341_P	11/17/11 10:55	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4341	11/18/11 10:53	RRS	TAL NSH

Client Sample ID: 267 Birch

Lab Sample ID: NUK1866-02

Date Collected: 11/09/11 14:00
Matrix: Soil
Date Received: 11/12/11 08:30
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.01	11K3683_P	11/09/11 14:00	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U020175	11/15/11 16:34	KKK	TAL NSH
Total	Prep	EPA 3550B		0.990	11K3483_P	11/16/11 09:03	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3483	11/16/11 19:44	KJP	TAL NSH
Total	Prep	% Solids		1.00	11K4341_P	11/17/11 10:55	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4341	11/18/11 10:53	RRS	TAL NSH

Client Sample ID: 1066 Gardenia

Lab Sample ID: NUK1866-03

Date Collected: 11/10/11 15:30
Matrix: Soil
Date Received: 11/12/11 08:30
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035	RE1	0.852	11K5924_P	11/10/11 15:30	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U020677	11/23/11 13:22	KKK	TAL NSH
Total	Prep	EPA 3550B		0.996	11K3483_P	11/16/11 09:03	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	11K3483	11/16/11 20:03	KJP	TAL NSH
Total	Prep	% Solids		1.00	11K4341_P	11/17/11 10:55	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11K4341	11/18/11 10:53	RRS	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: NUK1866

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: NUK1866

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		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		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	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		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

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.

NUK1866
11/29/11 23:59

11/29/2011

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
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#: 1035
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)~~ 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)
278 Birch	11/8/11	1145	5	X				2	2				2	1					X		X	X	
267 Birch	11/9/11	1400	5	X				2	2				2	1					X		X	X	
1066 GARDENIA	11/10/11	1530	5	X				2					2	1					X		X	X	

Special Instructions:

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

Method of Shipment: FEDEX

	Date	Time		Date	Time
Relinquished by:	11/11/10	1000	Received by: FedEx		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

T.A. Nash 11-12-11 08:30

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

Small Business Group, Inc.
10179 Highway 78
Ladson, SC 29456

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

TANK ID & LOCATION

UST 267Birch, 267 Birch Drive, 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.C. Wilson / 12/6/11

(Name) (Date)

Appendix C
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

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

May 15, 2014

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

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

Dear Mr. Drawdy,

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

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

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

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

Sincerely,

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

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

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

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

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

212 Balsam	503 Laurel Bay
219 Balsam	508 Laurel Bay
260 Beech Tank 1	510 Laurel Bay
260 Beech Tank 2	523 Laurel Bay
267 Birch	525 Laurel Bay
287 Birch	529 Laurel Bay
302 Ash	533 Laurel Bay
305 Ash	537 Laurel Bay
334 Ash	556 Dahlia
338 Ash Tank 1	557 Dahlia
338 Ash Tank 2	559 Dahlia
361 Aspen	562 Dahlia
371 Aspen	568 Dahlia
372 Aspen Tank 1	581 Aster
372 Aspen Tank 2	582 Aster
375 Aspen	584 Aster
385 Aspen	602 Dahlia
403 Elderberry	607 Dahlia
407 Elderberry	614 Dahlia
411 Elderberry	616 Dahlia
414 Elderberry	619 Dahlia
415 Elderberry	625 Dahlia
421 Elderberry	629 Dahlia
427 Elderberry	631 Dahlia
428 Elderberry	634 Dahlia
431 Elderberry	660 Camellia
455 Elderberry	661 Camellia
484 Laurel Bay	666 Camellia
490 Laurel Bay	669 Camellia
502 Laurel Bay	672 Camellia

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

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

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