SUMMARY REPORT
24 DOGWOOD DRIVE (FORMERLY 465 DOGWOOD DRIVE)
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

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
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 24 Dogwood Drive (Formerly 465 Dogwood Drive). 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 24 Dogwood Drive (Formerly 465 Dogwood Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 465 Dogwood Drive* (MCAS Beaufort, 2011) and *SCDHEC UST Assessment Report – 465 Dogwood Drive* (MCAS Beaufort, 2015). The UST Assessment Reports are provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017). 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

In June 2011 and January 2015, two 280 gallon heating oil USTs were removed at 24 Dogwood Drive (Formerly 465 Dogwood Drive). Tank 1 was removed on June 8, 2011 from the front grassed area, adjacent to the concrete porch. Tank 2 was removed on January 28, 2015 from

underneath the front concrete porch. The former UST locations are indicated in the figures of the UST Assessment Reports (Appendix B). The USTs were 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 removals. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 4'7" (Tank 1) and 5'10" (Tank 2) bgs and a single soil sample was collected for each at that depth. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

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

2.2 Soil Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 1. A copy of the laboratory analytical data report is included in the UST Assessment Reports 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 locations 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 24 Dogwood Drive (Formerly 465 Dogwood Drive) during the removal of Tank 1 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. The soil results collected from 24 Dogwood Drive (Formerly 465 Dogwood Drive) during the removal of Tank 2 were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 1, 2016, SCDHEC requested an IGWA for 24 Dogwood Drive (Formerly 465 Dogwood Drive) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On March 1, 2017, a temporary monitoring well was installed at 24 Dogwood Drive (Formerly 465 Dogwood Drive), 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 (Tank 2). The former UST location is indicated on the figures of the UST Assessment Reports (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – February and March 2017* (Resolution Consultants, 2017).

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 – February and March 2017* (Resolution Consultants, 2017).

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 24 Dogwood Drive (Formerly 465 Dogwood Drive) 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 soil (Tank 1) and groundwater (Tank 2), SCDHEC made the determination that NFA was required for 24 Dogwood Drive (Formerly 465 Dogwood Drive). This NFA determination was obtained in letters dated July 1, 2015 (Tank 1) and July 27, 2017 (Tank 2). SCDHEC's NFA letters are 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 – 465 Dogwood Drive, Laurel Bay Military Housing Area*, September 2011.

Marine Corps Air Station Beaufort, 2015. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 465 Dogwood Drive, Laurel Bay Military Housing Area*, July 2015.

Resolution Consultants, 2017. *Initial Groundwater Investigation Report – February and March 2017 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, June 2017.

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
24 Dogwood Drive (Formerly 465 Dogwood Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 06/08/11 and 01/28/15	
		465 Dogwood - 1 (06/08/11)	465 Dogwood - 2 (01/28/15)
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	**0.0244**
Ethylbenzene	1.15	**0.00167**	**0.167**
Naphthalene	0.036	**0.00392**	**0.318**
Toluene	0.627	ND	**0.00119**
Xylenes, Total	13.01	ND	**0.0895**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	ND	**0.164**
Benzo(b)fluoranthene	0.66	ND	**0.113**
Benzo(k)fluoranthene	0.66	ND	**0.0445**
Chrysene	0.66	ND	**0.169**
Dibenz(a,h)anthracene	0.66	ND	ND

Notes:

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - 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
24 Dogwood Drive (Formerly 465 Dogwood Drive)
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 03/01/17
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	**1.5**
Naphthalene	25	29.33	**8.1**
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
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

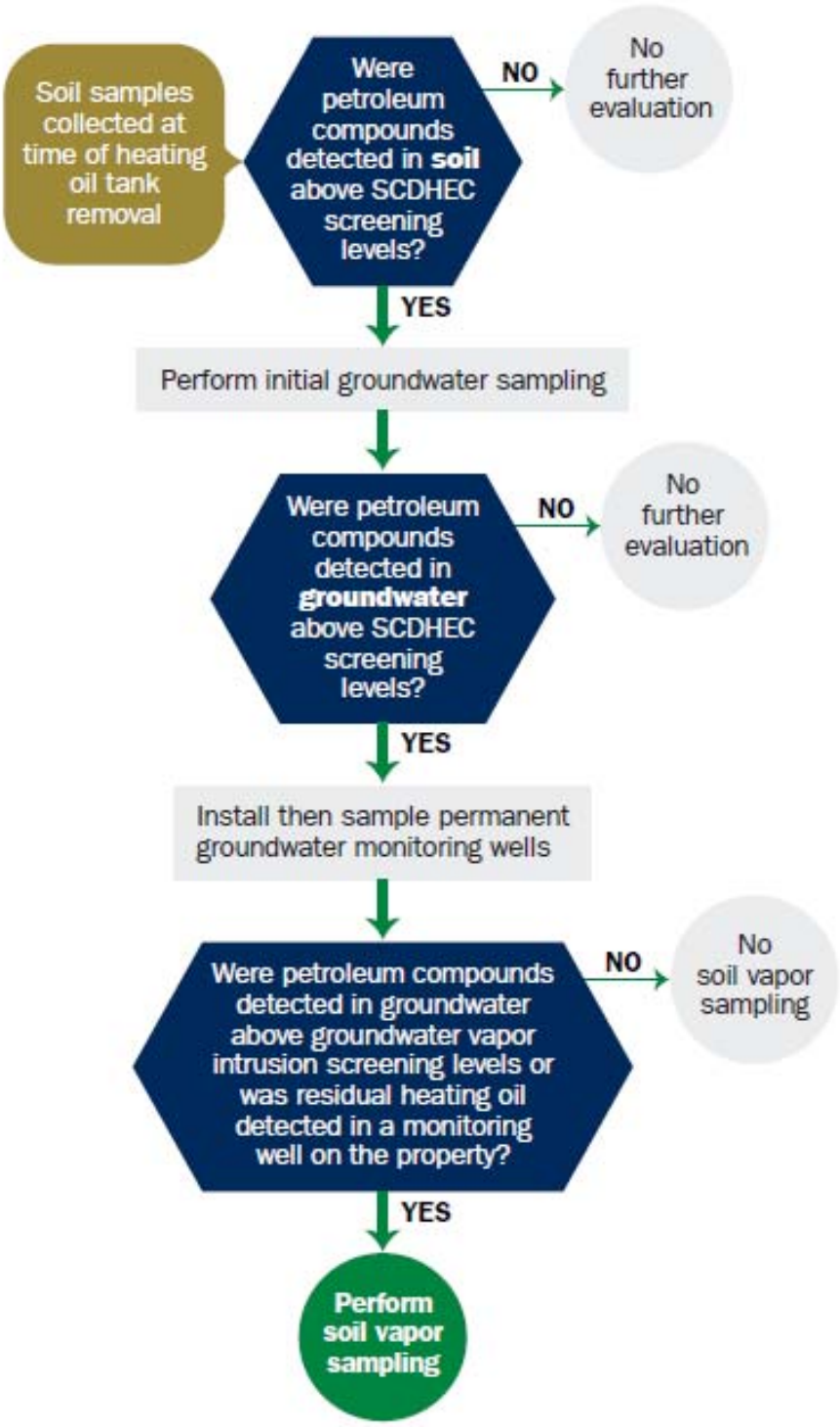
SCDHEC - South Carolina Department Of Health and Environmental Control

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 Reports

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

465 Dogwood 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).....	465Dogwood				
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 1980s				
G.	Spill Prevention Equipment Y/N.....	4'7"				
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.....	6/8/11				
L.	Visible Holes Y/N.....	Yes				
		Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 465Dogwood was removed from the ground, and disposed 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 465Dogwood 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

465Dogwood				
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. 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 #
465 Dogwood	Excav at fill end	Soil	Sandy	4'7"	6/8/11 1045 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? *~900' to stormwater canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water, electricity, cable & fiber optic If yes, indicate the type of utility, distance, and direction on the site map.	*X	
E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete? If yes, indicate the area of contaminated soil on the site map.		X

XIII. SITE MAP

You must supply a <u>scaled</u> site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.

(Attach Site Map Here)

SBG-EEG, Inc.

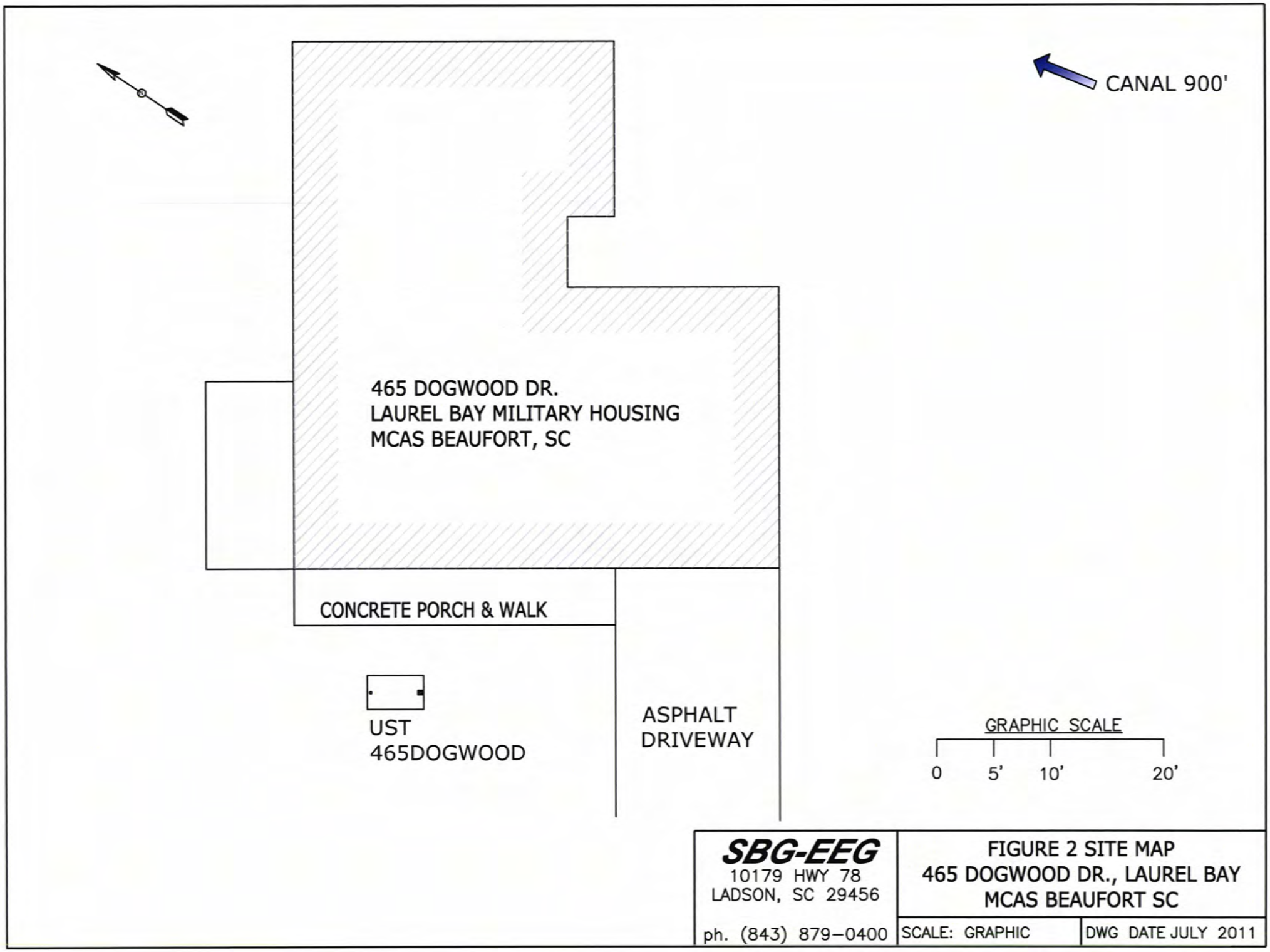
398 E. 5th North Street, Suite C
Summerville SC 29483-6954

Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: JUNE 2011

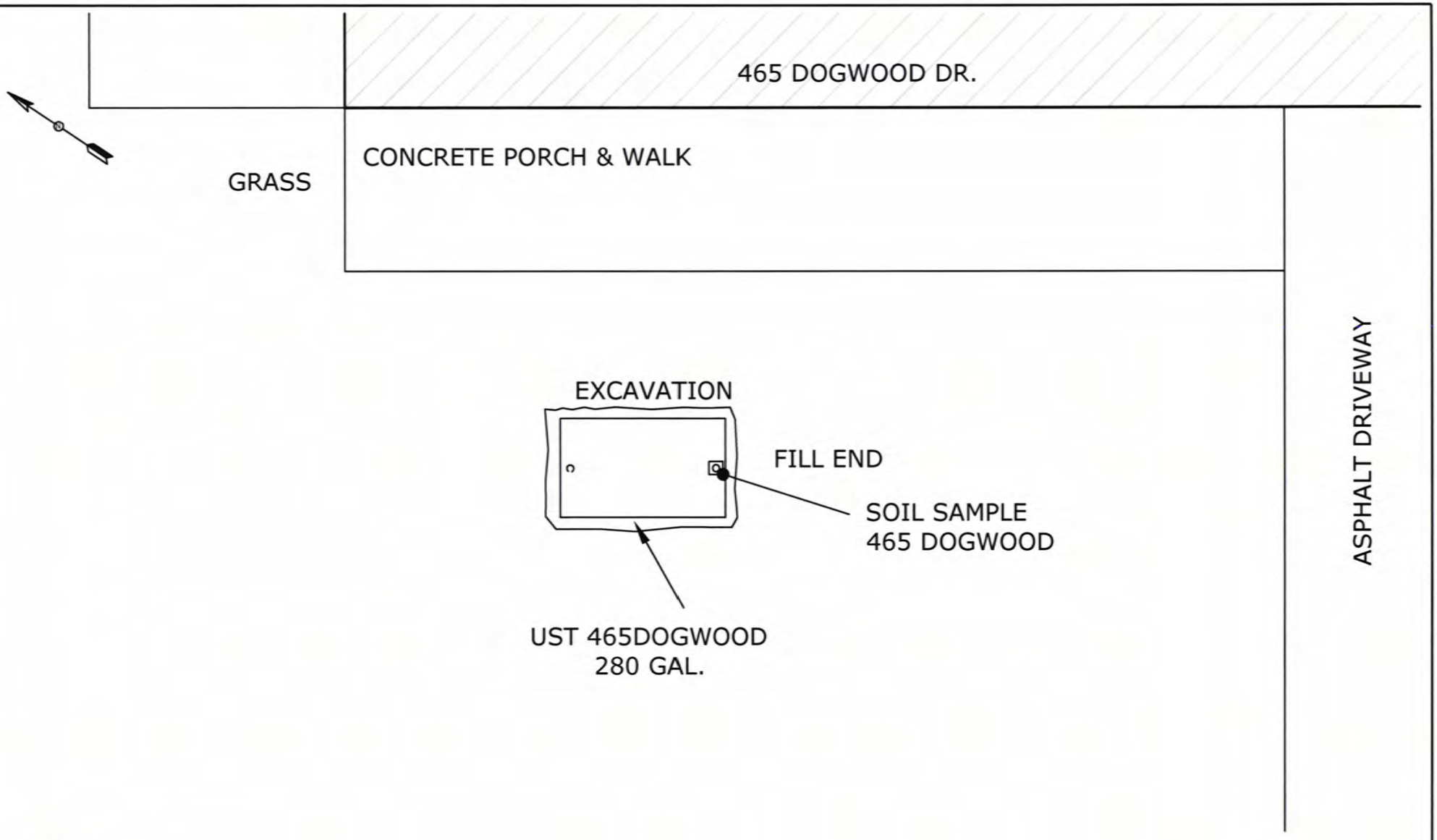
FIGURE 1: LOCATION MAP
465 DOGWOOD DRIVE
LAUREL BAY, BEAUFORT SC



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

FIGURE 2 SITE MAP
465 DOGWOOD DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JULY 2011



UST 465DOGWOOD WAS
19" BELOW GRADE.

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

FIGURE 3 UST SAMPLE LOCATIONS
465 DOGWOOD DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JULY 2011

Picture 1: Location of UST 465Dogwood.

Picture 2: UST 465Dogwood excavation in progress.

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	465Dogwood						
Benzene	ND						
Toluene	ND						
Ethylbenzene	0.00167 mg/kg						
Xylenes	ND						
Naphthalene	0.00392 mg/kg						
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

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 27, 2011 3:33:26PM

Client: EEG - Small Business Group, Inc. (2449)
10179 Highway 78
Ladson, SC 29456
Attn: Tom McElwee

Work Order: NUF1953
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1027
Date Received: 06/11/11

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
346 Ash	NUF1953-01	06/06/11 15:00
471 Dogwood	NUF1953-02	06/07/11 11:45
465 Dogwood	NUF1953-03	06/08/11 10:45
366 Aspen	NUF1953-04	06/09/11 11:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Additional Laboratory Comments: ***Revised Report 6/27/2011**

Corrected client sample ID per client request.

Replaces report dated 6/27/2011 at 12:05.

South Carolina Certification Number: 84009

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Roxanne L. Connor

Roxanne Connor

Program Manager - Conventional Accounts

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THE LEADER IN ENVIRONMENTAL TESTING
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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUF1953-01 (346 Ash - Soil) Sampled: 06/06/11 15:00										
General Chemistry Parameters										
% Dry Solids	**65.5**		%	0.500	0.500	1	06/21/11 14:20	SW-846	RRS	11F5216
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00142	0.00258	1	06/19/11 04:30	SW846 8260B	MJH	11F5296
Ethylbenzene	**0.0355**		mg/kg dry	0.00126	0.00258	1	06/19/11 04:30	SW846 8260B	MJH	11F5296
Naphthalene	**0.0424**		mg/kg dry	0.00219	0.00645	1	06/19/11 04:30	SW846 8260B	MJH	11F5296
Toluene	ND		mg/kg dry	0.00115	0.00258	1	06/19/11 04:30	SW846 8260B	MJH	11F5296
Xylenes, total	0.00**387**	J	mg/kg dry	0.00245	0.00645	1	06/19/11 04:30	SW846 8260B	MJH	11F5296
Surr: 1,2-Dichloroethane-d4 (67-138%)	*114 %*					*1*	*06/19/11 04:30*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*1*	*06/19/11 04:30*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Toluene-d8 (76-129%)	*112 %*					*1*	*06/19/11 04:30*	*SW846 8260B*	*MJH*	*11F5296*
Surr: 4-Bromofluorobenzene (67-147%)	*97 %*					*1*	*06/19/11 04:30*	*SW846 8260B*	*MJH*	*11F5296*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0211	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Acenaphthylene	ND		mg/kg dry	0.0301	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Anthracene	**0.0899**	J	mg/kg dry	0.0136	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Benzo (a) anthracene	**0.0859**	J	mg/kg dry	0.0166	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Benzo (a) pyrene	ND		mg/kg dry	0.0120	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Benzo (b) fluoranthene	ND		mg/kg dry	0.0572	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0136	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Benzo (k) fluoranthene	ND		mg/kg dry	0.0557	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Chrysene	**0.0638**	J	mg/kg dry	0.0467	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0226	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Fluoranthene	**0.134**		mg/kg dry	0.0166	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Fluorene	**0.392**		mg/kg dry	0.0301	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0467	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Naphthalene	ND		mg/kg dry	0.0211	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Phenanthrene	**0.786**		mg/kg dry	0.0151	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Pyrene	**0.164**		mg/kg dry	0.0346	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
1-Methylnaphthalene	**1.16**		mg/kg dry	0.0181	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
2-Methylnaphthalene	**1.35**		mg/kg dry	0.0316	0.101	1	06/17/11 17:51	SW846 8270D	JLS	11F3269
Surr: Terphenyl-d14 (18-120%)	*91 %*					*1*	*06/17/11 17:51*	*SW846 8270D*	*JLS*	*11F3269*
Surr: 2-Fluorobiphenyl (14-120%)	*69 %*					*1*	*06/17/11 17:51*	*SW846 8270D*	*JLS*	*11F3269*
Surr: Nitrobenzene-d5 (17-120%)	*69 %*					*1*	*06/17/11 17:51*	*SW846 8270D*	*JLS*	*11F3269*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUF1953-02 (471 Dogwood - Soil) Sampled: 06/07/11 11:45										
General Chemistry Parameters										
% Dry Solids	**71.3**		%	0.500	0.500	1	06/21/11 14:20	SW-846	RRS	11F5216
Volatile Organic Compounds by EPA Method 8260B										
Benzene	**0.00302**	PX	mg/kg dry	0.00145	0.00263	1	06/19/11 06:04	SW846 8260B	MJH	11F5296
Ethylbenzene	**0.343**	PX	mg/kg dry	0.00129	0.00263	1	06/19/11 06:04	SW846 8260B	MJH	11F5296
Naphthalene	**2.96**		mg/kg dry	0.0993	0.292	50	06/18/11 02:03	SW846 8260B	MJH	11F2812
Toluene	**0.00130**	PX, J	mg/kg dry	0.00117	0.00263	1	06/19/11 06:04	SW846 8260B	MJH	11F5296
Xylenes, total	**0.257**	PX	mg/kg dry	0.00250	0.00657	1	06/19/11 06:04	SW846 8260B	MJH	11F5296
Surr: 1,2-Dichloroethane-d4 (67-138%)	*88 %*					*50*	*06/18/11 02:03*	*SW846 8260B*	*MJH*	*11F2812*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*91 %*					*1*	*06/19/11 06:04*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Dibromofluoromethane (75-125%)	*75 %*					*50*	*06/18/11 02:03*	*SW846 8260B*	*MJH*	*11F2812*
Surr: Dibromofluoromethane (75-125%)	*81 %*					*1*	*06/19/11 06:04*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Toluene-d8 (76-129%)	*110 %*					*50*	*06/18/11 02:03*	*SW846 8260B*	*MJH*	*11F2812*
Surr: Toluene-d8 (76-129%)	*140 %*					*1*	*06/19/11 06:04*	*SW846 8260B*	*MJH*	*11F5296*
Surr: 4-Bromofluorobenzene (67-147%)	*99 %*					*50*	*06/18/11 02:03*	*SW846 8260B*	*MJH*	*11F2812*
Surr: 4-Bromofluorobenzene (67-147%)	*248 %*					*1*	*06/19/11 06:04*	*SW846 8260B*	*MJH*	*11F5296*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0193	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Acenaphthylene	ND		mg/kg dry	0.0276	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Anthracene	**0.0465**	J	mg/kg dry	0.0124	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Benzo (a) anthracene	ND		mg/kg dry	0.0152	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Benzo (a) pyrene	ND		mg/kg dry	0.0110	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Benzo (b) fluoranthene	ND		mg/kg dry	0.0525	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0124	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Benzo (k) fluoranthene	ND		mg/kg dry	0.0511	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Chrysene	ND		mg/kg dry	0.0428	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0207	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Fluoranthene	ND		mg/kg dry	0.0152	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Fluorene	**0.262**		mg/kg dry	0.0276	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0428	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Naphthalene	**0.378**		mg/kg dry	0.0193	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Phenanthrene	**0.478**		mg/kg dry	0.0138	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Pyrene	ND		mg/kg dry	0.0318	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
1-Methylnaphthalene	**1.29**		mg/kg dry	0.0166	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
2-Methylnaphthalene	**2.12**		mg/kg dry	0.0290	0.0925	1	06/17/11 18:12	SW846 8270D	JLS	11F3269
Surr: Terphenyl-d14 (18-120%)	*87 %*					*1*	*06/17/11 18:12*	*SW846 8270D*	*JLS*	*11F3269*
Surr: 2-Fluorobiphenyl (14-120%)	*67 %*					*1*	*06/17/11 18:12*	*SW846 8270D*	*JLS*	*11F3269*
Surr: Nitrobenzene-d5 (17-120%)	*62 %*					*1*	*06/17/11 18:12*	*SW846 8270D*	*JLS*	*11F3269*

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUF1953-03 (465 Dogwood - Soil) Sampled: 06/08/11 10:45										
General Chemistry Parameters										
% Dry Solids	**78.8**		%	0.500	0.500	1	06/21/11 14:20	SW-846	RRS	11F5216
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00100	0.00182	1	06/19/11 05:01	SW846 8260B	MJH	11F5296
Ethylbenzene	**0.00167**	J	mg/kg dry	0.000894	0.00182	1	06/19/11 05:01	SW846 8260B	MJH	11F5296
Naphthalene	**0.00392**	J	mg/kg dry	0.00155	0.00456	1	06/19/11 05:01	SW846 8260B	MJH	11F5296
Toluene	ND		mg/kg dry	0.000812	0.00182	1	06/19/11 05:01	SW846 8260B	MJH	11F5296
Xylenes, total	ND		mg/kg dry	0.00173	0.00456	1	06/19/11 05:01	SW846 8260B	MJH	11F5296
Surr: 1,2-Dichloroethane-d4 (67-138%)	*100 %*					*1*	*06/19/11 05:01*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Dibromofluoromethane (75-125%)	*84 %*					*1*	*06/19/11 05:01*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Toluene-d8 (76-129%)	*106 %*					*1*	*06/19/11 05:01*	*SW846 8260B*	*MJH*	*11F5296*
Surr: 4-Bromofluorobenzene (67-147%)	*137 %*					*1*	*06/19/11 05:01*	*SW846 8260B*	*MJH*	*11F5296*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0176	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Acenaphthylene	ND		mg/kg dry	0.0251	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Anthracene	ND		mg/kg dry	0.0113	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Benzo (a) anthracene	ND		mg/kg dry	0.0138	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Benzo (a) pyrene	ND		mg/kg dry	0.0100	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Benzo (b) fluoranthene	ND		mg/kg dry	0.0477	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0113	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Benzo (k) fluoranthene	ND		mg/kg dry	0.0464	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Chrysene	ND		mg/kg dry	0.0389	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0188	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Fluoranthene	ND		mg/kg dry	0.0138	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Fluorene	ND		mg/kg dry	0.0251	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0389	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Naphthalene	ND		mg/kg dry	0.0176	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Phenanthrene	ND		mg/kg dry	0.0125	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Pyrene	ND		mg/kg dry	0.0288	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
1-Methylnaphthalene	ND		mg/kg dry	0.0151	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
2-Methylnaphthalene	ND		mg/kg dry	0.0263	0.0840	1	06/17/11 18:32	SW846 8270D	JLS	11F3269
Surr: Terphenyl-d14 (18-120%)	*84 %*					*1*	*06/17/11 18:32*	*SW846 8270D*	*JLS*	*11F3269*
Surr: 2-Fluorobiphenyl (14-120%)	*64 %*					*1*	*06/17/11 18:32*	*SW846 8270D*	*JLS*	*11F3269*
Surr: Nitrobenzene-d5 (17-120%)	*57 %*					*1*	*06/17/11 18:32*	*SW846 8270D*	*JLS*	*11F3269*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUF1953-04 (366 Aspen - Soil) Sampled: 06/09/11 11:15										
General Chemistry Parameters										
% Dry Solids	**95.4**		%	0.500	0.500	1	06/21/11 14:20	SW-846	RRS	11F5216
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00136	0.00248	1	06/19/11 05:33	SW846 8260B	MJH	11F5296
Ethylbenzene	ND		mg/kg dry	0.00121	0.00248	1	06/19/11 05:33	SW846 8260B	MJH	11F5296
Naphthalene	ND		mg/kg dry	0.00211	0.00619	1	06/19/11 05:33	SW846 8260B	MJH	11F5296
Toluene	ND		mg/kg dry	0.00110	0.00248	1	06/19/11 05:33	SW846 8260B	MJH	11F5296
Xylenes, total	ND		mg/kg dry	0.00235	0.00619	1	06/19/11 05:33	SW846 8260B	MJH	11F5296
Surr: 1,2-Dichloroethane-d4 (67-138%)	*92 %*					*1*	*06/19/11 05:33*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Dibromofluoromethane (75-125%)	*79 %*					*1*	*06/19/11 05:33*	*SW846 8260B*	*MJH*	*11F5296*
Surr: Toluene-d8 (76-129%)	*105 %*					*1*	*06/19/11 05:33*	*SW846 8260B*	*MJH*	*11F5296*
Surr: 4-Bromofluorobenzene (67-147%)	*122 %*					*1*	*06/19/11 05:33*	*SW846 8260B*	*MJH*	*11F5296*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0146	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Acenaphthylene	ND		mg/kg dry	0.0209	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Anthracene	ND		mg/kg dry	0.00941	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Benzo (a) anthracene	ND		mg/kg dry	0.0115	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Benzo (a) pyrene	ND		mg/kg dry	0.00837	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Benzo (b) fluoranthene	ND		mg/kg dry	0.0397	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Benzo (g,h,i) perylene	**0.0816**		mg/kg dry	0.00941	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Benzo (k) fluoranthene	ND		mg/kg dry	0.0387	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Chrysene	ND		mg/kg dry	0.0324	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0157	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Fluoranthene	ND		mg/kg dry	0.0115	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Fluorene	ND		mg/kg dry	0.0209	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0324	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Naphthalene	ND		mg/kg dry	0.0146	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Phenanthrene	ND		mg/kg dry	0.0105	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Pyrene	ND		mg/kg dry	0.0241	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
1-Methylnaphthalene	ND		mg/kg dry	0.0126	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
2-Methylnaphthalene	ND		mg/kg dry	0.0220	0.0701	1	06/17/11 18:52	SW846 8270D	JLS	11F3269
Surr: Terphenyl-d14 (18-120%)	*75 %*					*1*	*06/17/11 18:52*	*SW846 8270D*	*JLS*	*11F3269*
Surr: 2-Fluorobiphenyl (14-120%)	*54 %*					*1*	*06/17/11 18:52*	*SW846 8270D*	*JLS*	*11F3269*
Surr: Nitrobenzene-d5 (17-120%)	*51 %*					*1*	*06/17/11 18:52*	*SW846 8270D*	*JLS*	*11F3269*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	11F3269	NUF1953-01	30.39	1.00	06/16/11 15:05	JJR	EPA 3550C
SW846 8270D	11F3269	NUF1953-02	30.45	1.00	06/16/11 15:05	JJR	EPA 3550C
SW846 8270D	11F3269	NUF1953-03	30.36	1.00	06/16/11 15:05	JJR	EPA 3550C
SW846 8270D	11F3269	NUF1953-04	30.06	1.00	06/16/11 15:05	JJR	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	11F2812	NUF1953-01	5.51	5.00	06/06/11 15:00	TSP	EPA 5035
SW846 8260B	11F5296	NUF1953-01RE1	5.91	5.00	06/06/11 15:00	TSP	EPA 5035
SW846 8260B	11F2812	NUF1953-02	6.00	5.00	06/07/11 11:45	TSP	EPA 5035
SW846 8260B	11F5296	NUF1953-02RE1	5.33	5.00	06/15/11 16:25	TSP	EPA 5035
SW846 8260B	11F2812	NUF1953-03	6.73	5.00	06/08/11 10:45	TSP	EPA 5035
SW846 8260B	11F5296	NUF1953-03RE1	6.96	5.00	06/08/11 10:45	TSP	EPA 5035
SW846 8260B	11F2812	NUF1953-04	4.35	5.00	06/09/11 11:15	TSP	EPA 5035
SW846 8260B	11F5296	NUF1953-04RE1	4.23	5.00	06/09/11 11:15	TSP	EPA 5035

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
11F2812-BLK1						
Benzene	<0.00110		mg/kg wet	11F2812	11F2812-BLK1	06/17/11 18:41
Ethylbenzene	<0.000980		mg/kg wet	11F2812	11F2812-BLK1	06/17/11 18:41
Naphthalene	<0.00170		mg/kg wet	11F2812	11F2812-BLK1	06/17/11 18:41
Toluene	<0.000890		mg/kg wet	11F2812	11F2812-BLK1	06/17/11 18:41
Xylenes, total	<0.00190		mg/kg wet	11F2812	11F2812-BLK1	06/17/11 18:41
Surrogate: 1,2-Dichloroethane-d4	111%			11F2812	11F2812-BLK1	06/17/11 18:41
Surrogate: Dibromofluoromethane	95%			11F2812	11F2812-BLK1	06/17/11 18:41
Surrogate: Toluene-d8	107%			11F2812	11F2812-BLK1	06/17/11 18:41
Surrogate: 4-Bromofluorobenzene	115%			11F2812	11F2812-BLK1	06/17/11 18:41
11F2812-BLK2						
Benzene	<0.0550		mg/kg wet	11F2812	11F2812-BLK2	06/17/11 19:13
Ethylbenzene	<0.0490		mg/kg wet	11F2812	11F2812-BLK2	06/17/11 19:13
Naphthalene	<0.0850		mg/kg wet	11F2812	11F2812-BLK2	06/17/11 19:13
Toluene	<0.0445		mg/kg wet	11F2812	11F2812-BLK2	06/17/11 19:13
Xylenes, total	<0.0950		mg/kg wet	11F2812	11F2812-BLK2	06/17/11 19:13
Surrogate: 1,2-Dichloroethane-d4	97%			11F2812	11F2812-BLK2	06/17/11 19:13
Surrogate: Dibromofluoromethane	79%			11F2812	11F2812-BLK2	06/17/11 19:13
Surrogate: Toluene-d8	109%			11F2812	11F2812-BLK2	06/17/11 19:13
Surrogate: 4-Bromofluorobenzene	112%			11F2812	11F2812-BLK2	06/17/11 19:13
11F5296-BLK1						
Benzene	<0.00110		mg/kg wet	11F5296	11F5296-BLK1	06/18/11 21:40
Ethylbenzene	<0.000980		mg/kg wet	11F5296	11F5296-BLK1	06/18/11 21:40
Naphthalene	<0.00170		mg/kg wet	11F5296	11F5296-BLK1	06/18/11 21:40
Toluene	<0.000890		mg/kg wet	11F5296	11F5296-BLK1	06/18/11 21:40
Xylenes, total	<0.00190		mg/kg wet	11F5296	11F5296-BLK1	06/18/11 21:40
Surrogate: 1,2-Dichloroethane-d4	123%			11F5296	11F5296-BLK1	06/18/11 21:40
Surrogate: Dibromofluoromethane	106%			11F5296	11F5296-BLK1	06/18/11 21:40
Surrogate: Toluene-d8	105%			11F5296	11F5296-BLK1	06/18/11 21:40
Surrogate: 4-Bromofluorobenzene	117%			11F5296	11F5296-BLK1	06/18/11 21:40
11F5296-BLK2						
Benzene	<0.0550		mg/kg wet	11F5296	11F5296-BLK2	06/18/11 22:11
Ethylbenzene	<0.0490		mg/kg wet	11F5296	11F5296-BLK2	06/18/11 22:11
Naphthalene	<0.0850		mg/kg wet	11F5296	11F5296-BLK2	06/18/11 22:11
Toluene	<0.0445		mg/kg wet	11F5296	11F5296-BLK2	06/18/11 22:11
Xylenes, total	<0.0950		mg/kg wet	11F5296	11F5296-BLK2	06/18/11 22:11
Surrogate: 1,2-Dichloroethane-d4	95%			11F5296	11F5296-BLK2	06/18/11 22:11
Surrogate: Dibromofluoromethane	79%			11F5296	11F5296-BLK2	06/18/11 22:11
Surrogate: Toluene-d8	108%			11F5296	11F5296-BLK2	06/18/11 22:11
Surrogate: 4-Bromofluorobenzene	117%			11F5296	11F5296-BLK2	06/18/11 22:11

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
Polyaromatic Hydrocarbons by EPA 8270D						
11F3269-BLK1						
Acenaphthene	<0.0140		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Acenaphthylene	<0.0200		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Anthracene	<0.00900		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Benzo (a) anthracene	<0.0110		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Benzo (a) pyrene	<0.00800		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Benzo (b) fluoranthene	<0.0380		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Benzo (k) fluoranthene	<0.0370		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Chrysene	<0.0310		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Fluoranthene	<0.0110		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Fluorene	<0.0200		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Naphthalene	<0.0140		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Phenanthrene	<0.0100		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Pyrene	<0.0230		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
1-Methylnaphthalene	<0.0120		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
2-Methylnaphthalene	<0.0210		mg/kg wet	11F3269	11F3269-BLK1	06/17/11 15:09
Surrogate: Terphenyl-d14	75%			11F3269	11F3269-BLK1	06/17/11 15:09
Surrogate: 2-Fluorobiphenyl	58%			11F3269	11F3269-BLK1	06/17/11 15:09
Surrogate: Nitrobenzene-d5	57%			11F3269	11F3269-BLK1	06/17/11 15:09

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
11F5216-DUP1										
% Dry Solids	82.2	82.4		%	0.3	20	11F5216	NUF1921-01		06/21/11 14:20

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
11F2812-BS1								
Benzene	50.0	45.7		ug/kg	91%	78 - 126	11F2812	06/17/11 17:07
Ethylbenzene	50.0	55.2		ug/kg	110%	79 - 130	11F2812	06/17/11 17:07
Naphthalene	50.0	71.5		ug/kg	143%	72 - 150	11F2812	06/17/11 17:07
Toluene	50.0	53.7		ug/kg	107%	76 - 126	11F2812	06/17/11 17:07
Xylenes, total	150	168		ug/kg	112%	80 - 130	11F2812	06/17/11 17:07
Surrogate: 1,2-Dichloroethane-d4	50.0	51.4			103%	67 - 138	11F2812	06/17/11 17:07
Surrogate: Dibromofluoromethane	50.0	46.4			93%	75 - 125	11F2812	06/17/11 17:07
Surrogate: Toluene-d8	50.0	53.3			107%	76 - 129	11F2812	06/17/11 17:07
Surrogate: 4-Bromofluorobenzene	50.0	53.6			107%	67 - 147	11F2812	06/17/11 17:07
11F5296-BS1								
Benzene	50.0	44.5		ug/kg	89%	78 - 126	11F5296	06/18/11 20:06
Ethylbenzene	50.0	54.2		ug/kg	108%	79 - 130	11F5296	06/18/11 20:06
Naphthalene	50.0	67.0		ug/kg	134%	72 - 150	11F5296	06/18/11 20:06
Toluene	50.0	53.2		ug/kg	106%	76 - 126	11F5296	06/18/11 20:06
Xylenes, total	150	164		ug/kg	109%	80 - 130	11F5296	06/18/11 20:06
Surrogate: 1,2-Dichloroethane-d4	50.0	50.2			100%	67 - 138	11F5296	06/18/11 20:06
Surrogate: Dibromofluoromethane	50.0	44.8			90%	75 - 125	11F5296	06/18/11 20:06
Surrogate: Toluene-d8	50.0	53.3			107%	76 - 129	11F5296	06/18/11 20:06
Surrogate: 4-Bromofluorobenzene	50.0	55.5			111%	67 - 147	11F5296	06/18/11 20:06
Polyaromatic Hydrocarbons by EPA 8270D								
11F3269-BS1								
Acenaphthene	1.67	1.46		mg/kg wet	88%	49 - 120	11F3269	06/17/11 15:29
Acenaphthylene	1.67	1.46		mg/kg wet	87%	52 - 120	11F3269	06/17/11 15:29
Anthracene	1.67	1.51		mg/kg wet	91%	58 - 120	11F3269	06/17/11 15:29
Benzo (a) anthracene	1.67	1.50		mg/kg wet	90%	57 - 120	11F3269	06/17/11 15:29
Benzo (a) pyrene	1.67	1.64		mg/kg wet	99%	55 - 120	11F3269	06/17/11 15:29
Benzo (b) fluoranthene	1.67	1.43		mg/kg wet	86%	51 - 123	11F3269	06/17/11 15:29
Benzo (g,h,i) perylene	1.67	1.53		mg/kg wet	92%	49 - 121	11F3269	06/17/11 15:29
Benzo (k) fluoranthene	1.67	1.59		mg/kg wet	95%	42 - 129	11F3269	06/17/11 15:29
Chrysene	1.67	1.47		mg/kg wet	88%	55 - 120	11F3269	06/17/11 15:29
Dibenz (a,h) anthracene	1.67	1.53		mg/kg wet	92%	50 - 123	11F3269	06/17/11 15:29
Fluoranthene	1.67	1.61		mg/kg wet	96%	58 - 120	11F3269	06/17/11 15:29
Fluorene	1.67	1.54		mg/kg wet	93%	54 - 120	11F3269	06/17/11 15:29
Indeno (1,2,3-cd) pyrene	1.67	1.53		mg/kg wet	92%	50 - 122	11F3269	06/17/11 15:29
Naphthalene	1.67	1.38		mg/kg wet	83%	28 - 120	11F3269	06/17/11 15:29
Phenanthrene	1.67	1.48		mg/kg wet	89%	56 - 120	11F3269	06/17/11 15:29
Pyrene	1.67	1.42		mg/kg wet	85%	56 - 120	11F3269	06/17/11 15:29
1-Methylnaphthalene	1.67	1.07		mg/kg wet	64%	36 - 120	11F3269	06/17/11 15:29
2-Methylnaphthalene	1.67	1.28		mg/kg wet	77%	36 - 120	11F3269	06/17/11 15:29

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D								
11F3269-BS1								
Surrogate: Terphenyl-d14	1.67	1.43			86%	18 - 120	11F3269	06/17/11 15:29
Surrogate: 2-Fluorobiphenyl	1.67	1.20			72%	14 - 120	11F3269	06/17/11 15:29
Surrogate: Nitrobenzene-d5	1.67	1.03			62%	17 - 120	11F3269	06/17/11 15:29

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
11F2812-BSD1												
Benzene		47.2		ug/kg	50.0	94%	78 - 126	3	50	11F2812		06/17/11 17:38
Ethylbenzene		55.6		ug/kg	50.0	111%	79 - 130	0.8	50	11F2812		06/17/11 17:38
Naphthalene		72.8		ug/kg	50.0	146%	72 - 150	2	50	11F2812		06/17/11 17:38
Toluene		53.7		ug/kg	50.0	107%	76 - 126	0.09	50	11F2812		06/17/11 17:38
Xylenes, total		167		ug/kg	150	111%	80 - 130	0.4	50	11F2812		06/17/11 17:38
Surrogate: 1,2-Dichloroethane-d4		52.7		ug/kg	50.0	105%	67 - 138			11F2812		06/17/11 17:38
Surrogate: Dibromofluoromethane		46.7		ug/kg	50.0	93%	75 - 125			11F2812		06/17/11 17:38
Surrogate: Toluene-d8		53.5		ug/kg	50.0	107%	76 - 129			11F2812		06/17/11 17:38
Surrogate: 4-Bromofluorobenzene		55.0		ug/kg	50.0	110%	67 - 147			11F2812		06/17/11 17:38
11F5296-BSD1												
Benzene		56.3		ug/kg	50.0	113%	78 - 126	23	50	11F5296		06/18/11 20:37
Ethylbenzene		56.2		ug/kg	50.0	112%	79 - 130	4	50	11F5296		06/18/11 20:37
Naphthalene		73.6		ug/kg	50.0	147%	72 - 150	9	50	11F5296		06/18/11 20:37
Toluene		55.2		ug/kg	50.0	110%	76 - 126	4	50	11F5296		06/18/11 20:37
Xylenes, total		169		ug/kg	150	113%	80 - 130	3	50	11F5296		06/18/11 20:37
Surrogate: 1,2-Dichloroethane-d4		60.2		ug/kg	50.0	120%	67 - 138			11F5296		06/18/11 20:37
Surrogate: Dibromofluoromethane		54.9		ug/kg	50.0	110%	75 - 125			11F5296		06/18/11 20:37
Surrogate: Toluene-d8		53.5		ug/kg	50.0	107%	76 - 129			11F5296		06/18/11 20:37
Surrogate: 4-Bromofluorobenzene		55.8		ug/kg	50.0	112%	67 - 147			11F5296		06/18/11 20:37

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
11F2812-MS1										
Benzene	ND	2.43		mg/kg wet	2.50	97%	42 - 141	11F2812	NUF1575-06	06/18/11 04:09
Ethylbenzene	0.239	3.18		mg/kg wet	2.50	118%	21 - 165	11F2812	NUF1575-06	06/18/11 04:09
Naphthalene	5.17	8.68		mg/kg wet	2.50	140%	10 - 160	11F2812	NUF1575-06	06/18/11 04:09
Toluene	ND	2.44		mg/kg wet	2.50	98%	45 - 145	11F2812	NUF1575-06	06/18/11 04:09
Xylenes, total	ND	8.99		mg/kg wet	7.50	120%	31 - 159	11F2812	NUF1575-06	06/18/11 04:09
Surrogate: 1,2-Dichloroethane-d4		51.0		ug/kg	50.0	102%	67 - 138	11F2812	NUF1575-06	06/18/11 04:09
Surrogate: Dibromofluoromethane		48.1		ug/kg	50.0	96%	75 - 125	11F2812	NUF1575-06	06/18/11 04:09
Surrogate: Toluene-d8		57.2		ug/kg	50.0	114%	76 - 129	11F2812	NUF1575-06	06/18/11 04:09
Surrogate: 4-Bromofluorobenzene		68.6		ug/kg	50.0	137%	67 - 147	11F2812	NUF1575-06	06/18/11 04:09
11F5296-MS1										
Benzene	0.00292	0.0369		mg/kg wet	0.0450	75%	42 - 141	11F5296	NUF2751-03RE1	06/19/11 07:08
Ethylbenzene	0.00379	0.0465		mg/kg wet	0.0450	95%	21 - 165	11F5296	NUF2751-03RE1	06/19/11 07:08
Naphthalene	ND	0.0556		mg/kg wet	0.0450	123%	10 - 160	11F5296	NUF2751-03RE1	06/19/11 07:08
Toluene	0.00889	0.0477		mg/kg wet	0.0450	86%	45 - 145	11F5296	NUF2751-03RE1	06/19/11 07:08
Xylenes, total	0.00711	0.137		mg/kg wet	0.135	96%	31 - 159	11F5296	NUF2751-03RE1	06/19/11 07:08
Surrogate: 1,2-Dichloroethane-d4		47.4		ug/kg	50.0	95%	67 - 138	11F5296	NUF2751-03RE1	06/19/11 07:08
Surrogate: Dibromofluoromethane		42.6		ug/kg	50.0	85%	75 - 125	11F5296	NUF2751-03RE1	06/19/11 07:08
Surrogate: Toluene-d8		54.6		ug/kg	50.0	109%	76 - 129	11F5296	NUF2751-03RE1	06/19/11 07:08
Surrogate: 4-Bromofluorobenzene		53.2		ug/kg	50.0	106%	67 - 147	11F5296	NUF2751-03RE1	06/19/11 07:08
Polyaromatic Hydrocarbons by EPA 8270D										
11F3269-MS1										
Acenaphthene	ND	1.33		mg/kg dry	1.79	74%	42 - 120	11F3269	NUF1906-01	06/17/11 15:50
Acenaphthylene	ND	1.35		mg/kg dry	1.79	75%	32 - 120	11F3269	NUF1906-01	06/17/11 15:50
Anthracene	ND	1.43		mg/kg dry	1.79	80%	10 - 200	11F3269	NUF1906-01	06/17/11 15:50
Benzo (a) anthracene	ND	1.41		mg/kg dry	1.79	79%	41 - 120	11F3269	NUF1906-01	06/17/11 15:50
Benzo (a) pyrene	ND	1.53		mg/kg dry	1.79	85%	33 - 121	11F3269	NUF1906-01	06/17/11 15:50
Benzo (b) fluoranthene	ND	1.37		mg/kg dry	1.79	77%	26 - 137	11F3269	NUF1906-01	06/17/11 15:50
Benzo (g,h,i) perylene	ND	1.37		mg/kg dry	1.79	77%	21 - 124	11F3269	NUF1906-01	06/17/11 15:50
Benzo (k) fluoranthene	ND	1.37		mg/kg dry	1.79	76%	14 - 140	11F3269	NUF1906-01	06/17/11 15:50
Chrysene	ND	1.41		mg/kg dry	1.79	79%	28 - 123	11F3269	NUF1906-01	06/17/11 15:50
Dibenz (a,h) anthracene	ND	1.36		mg/kg dry	1.79	76%	25 - 127	11F3269	NUF1906-01	06/17/11 15:50

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D										
11F3269-MS1										
Fluoranthene	ND	1.35		mg/kg dry	1.79	75%	38 - 120	11F3269	NUF1906-01	06/17/11 15:50
Fluorene	ND	1.40		mg/kg dry	1.79	78%	41 - 120	11F3269	NUF1906-01	06/17/11 15:50
Indeno (1,2,3-cd) pyrene	ND	1.35		mg/kg dry	1.79	75%	25 - 123	11F3269	NUF1906-01	06/17/11 15:50
Naphthalene	ND	1.34		mg/kg dry	1.79	75%	25 - 120	11F3269	NUF1906-01	06/17/11 15:50
Phenanthrene	ND	1.41		mg/kg dry	1.79	79%	37 - 120	11F3269	NUF1906-01	06/17/11 15:50
Pyrene	0.0369	1.59		mg/kg dry	1.79	87%	29 - 125	11F3269	NUF1906-01	06/17/11 15:50
1-Methylnaphthalene	ND	1.02		mg/kg dry	1.79	57%	19 - 120	11F3269	NUF1906-01	06/17/11 15:50
2-Methylnaphthalene	ND	1.18		mg/kg dry	1.79	66%	11 - 120	11F3269	NUF1906-01	06/17/11 15:50
Surrogate: Terphenyl-d14		1.46		mg/kg dry	1.79	81%	18 - 120	11F3269	NUF1906-01	06/17/11 15:50
Surrogate: 2-Fluorobiphenyl		1.02		mg/kg dry	1.79	57%	14 - 120	11F3269	NUF1906-01	06/17/11 15:50
Surrogate: Nitrobenzene-d5		0.893		mg/kg dry	1.79	50%	17 - 120	11F3269	NUF1906-01	06/17/11 15:50

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
11F2812-MSD1												
Benzene	ND	1.75		mg/kg wet	2.50	70%	42 - 141	32	50	11F2812	NUF1575-06	06/18/11 04:40
Ethylbenzene	0.239	2.73		mg/kg wet	2.50	100%	21 - 165	15	50	11F2812	NUF1575-06	06/18/11 04:40
Naphthalene	5.17	6.16		mg/kg wet	2.50	40%	10 - 160	34	50	11F2812	NUF1575-06	06/18/11 04:40
Toluene	ND	2.16		mg/kg wet	2.50	86%	45 - 145	12	50	11F2812	NUF1575-06	06/18/11 04:40
Xylenes, total	ND	7.49		mg/kg wet	7.50	100%	31 - 159	18	50	11F2812	NUF1575-06	06/18/11 04:40
Surrogate: 1,2-Dichloroethane-d4		42.6		ug/kg	50.0	85%	67 - 138			11F2812	NUF1575-06	06/18/11 04:40
Surrogate: Dibromofluoromethane		40.4		ug/kg	50.0	81%	75 - 125			11F2812	NUF1575-06	06/18/11 04:40
Surrogate: Toluene-d8		58.0		ug/kg	50.0	116%	76 - 129			11F2812	NUF1575-06	06/18/11 04:40
Surrogate: 4-Bromofluorobenzene		56.5		ug/kg	50.0	113%	67 - 147			11F2812	NUF1575-06	06/18/11 04:40
11F5296-MSD1												
Benzene	0.00292	0.0321		mg/kg wet	0.0491	59%	42 - 141	14	50	11F5296	NUF2751-03RE1	06/19/11 07:39
Ethylbenzene	0.00379	0.0319		mg/kg wet	0.0491	57%	21 - 165	37	50	11F5296	NUF2751-03RE1	06/19/11 07:39
Naphthalene	ND	0.0470		mg/kg wet	0.0491	96%	10 - 160	17	50	11F5296	NUF2751-03RE1	06/19/11 07:39
Toluene	0.00889	0.0390		mg/kg wet	0.0491	61%	45 - 145	20	50	11F5296	NUF2751-03RE1	06/19/11 07:39
Xylenes, total	0.00711	0.0902		mg/kg wet	0.147	56%	31 - 159	41	50	11F5296	NUF2751-03RE1	06/19/11 07:39
Surrogate: 1,2-Dichloroethane-d4		50.0		ug/kg	50.0	100%	67 - 138			11F5296	NUF2751-03RE1	06/19/11 07:39
Surrogate: Dibromofluoromethane		43.9		ug/kg	50.0	88%	75 - 125			11F5296	NUF2751-03RE1	06/19/11 07:39
Surrogate: Toluene-d8		53.4		ug/kg	50.0	107%	76 - 129			11F5296	NUF2751-03RE1	06/19/11 07:39
Surrogate: 4-Bromofluorobenzene		58.5		ug/kg	50.0	117%	67 - 147			11F5296	NUF2751-03RE1	06/19/11 07:39
Polyaromatic Hydrocarbons by EPA 8270D												
11F3269-MSD1												
Acenaphthene	ND	1.40		mg/kg dry	1.79	78%	42 - 120	5	40	11F3269	NUF1906-01	06/17/11 16:10
Acenaphthylene	ND	1.39		mg/kg dry	1.79	77%	32 - 120	3	30	11F3269	NUF1906-01	06/17/11 16:10
Anthracene	ND	1.43		mg/kg dry	1.79	80%	10 - 200	0.4	50	11F3269	NUF1906-01	06/17/11 16:10
Benzo (a) anthracene	ND	1.43		mg/kg dry	1.79	79%	41 - 120	0.8	30	11F3269	NUF1906-01	06/17/11 16:10
Benzo (a) pyrene	ND	1.52		mg/kg dry	1.79	85%	33 - 121	0.6	33	11F3269	NUF1906-01	06/17/11 16:10
Benzo (b) fluoranthene	ND	1.43		mg/kg dry	1.79	80%	26 - 137	4	42	11F3269	NUF1906-01	06/17/11 16:10
Benzo (g,h,i) perylene	ND	1.40		mg/kg dry	1.79	78%	21 - 124	2	32	11F3269	NUF1906-01	06/17/11 16:10
Benzo (k) fluoranthene	ND	1.33		mg/kg dry	1.79	74%	14 - 140	2	39	11F3269	NUF1906-01	06/17/11 16:10
Chrysene	ND	1.42		mg/kg dry	1.79	79%	28 - 123	0.7	34	11F3269	NUF1906-01	06/17/11 16:10
Dibenz (a,h) anthracene	ND	1.36		mg/kg dry	1.79	76%	25 - 127	0.2	31	11F3269	NUF1906-01	06/17/11 16:10
Fluoranthene	ND	1.36		mg/kg dry	1.79	76%	38 - 120	0.6	35	11F3269	NUF1906-01	06/17/11 16:10
Fluorene	ND	1.40		mg/kg dry	1.79	78%	41 - 120	0.4	37	11F3269	NUF1906-01	06/17/11 16:10
Indeno (1,2,3-cd) pyrene	ND	1.39		mg/kg dry	1.79	77%	25 - 123	3	32	11F3269	NUF1906-01	06/17/11 16:10

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D												
11F3269-MSD1												
Naphthalene	ND	1.36		mg/kg dry	1.79	76%	25 - 120	2	42	11F3269	NUF1906-01	06/17/11 16:10
Phenanthrene	ND	1.49		mg/kg dry	1.79	83%	37 - 120	6	32	11F3269	NUF1906-01	06/17/11 16:10
Pyrene	0.0369	1.75		mg/kg dry	1.79	95%	29 - 125	9	40	11F3269	NUF1906-01	06/17/11 16:10
1-Methylnaphthalene	ND	0.997		mg/kg dry	1.79	56%	19 - 120	2	45	11F3269	NUF1906-01	06/17/11 16:10
2-Methylnaphthalene	ND	1.20		mg/kg dry	1.79	67%	11 - 120	1	50	11F3269	NUF1906-01	06/17/11 16:10
Surrogate: Terphenyl-d14		1.52		mg/kg dry	1.79	85%	18 - 120			11F3269	NUF1906-01	06/17/11 16:10
Surrogate: 2-Fluorobiphenyl		1.05		mg/kg dry	1.79	59%	14 - 120			11F3269	NUF1906-01	06/17/11 16:10
Surrogate: Nitrobenzene-d5		0.904		mg/kg dry	1.79	50%	17 - 120			11F3269	NUF1906-01	06/17/11 16:10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	South Carolina
SW846 8260B	Soil	N/A	X	X
SW846 8270D	Soil		X	X
SW-846	Soil			

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUF1953
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/11/11 09:00

DATA QUALIFIERS AND DEFINITIONS

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.
PX	Sample for VOA analysis not received in preserved VOA vials or Encore or similar sampling device.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

NUF1953
06/27/11 23:59

TestAmerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - 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) Patty Shaw
Sampler Signature:

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

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	None (Black Label)	Other (Specify) MeOH	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify)	Analyze For: BTEX + Napth - 8260B	PAH - 8270D									RUSH TAT (Pre-Schedule)
346 Ash	6/6/11	1500	5	X					2				2	1					X		X	X									
471 Dogwood	6/7/11	1145	5	X					2				2	1					X		X	X							NUF1953 -		01
465 Dogwood	6/8/11	1645	5	X					2				2	1					X		X	X									02
366 Aspen	6/9/11	1115	5	X					2				2	1					X		X	X									03
																															04

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by	Date	Time
	6/10/11	0400	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				6/11/11	0900

Laboratory Comments:
Temperature Upon Receipt: 1°
VOCs Free of Headspace? Y

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:	Generator's Site Address (If different than mailing):	A. Manifest Number	
MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907		WMNA	00316814
4. Generator's Phone 843-228-6461		B. State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	
EEG, INC.		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	10. US EPA ID Number	G. State Facility ID	
HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936		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					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

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

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

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

Printed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

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

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

Printed Name	Signature	Month	Day	Year

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

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received
State Use Only

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

I. OWNERSHIP OF UST (S)

MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde)
Owner Name (Corporation, Individual, Public Agency, Other)

P.O. Box 55001
Mailing Address

Beaufort,	South Carolina	29904-5001
City	State	Zip Code

843	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #

Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
Facility Name or Company Site Identifier

465 Dogwood 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

465Dogwood-2				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
5'10"				
No				
No				
Removed				
1/28/15				
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 465Dogwood-2 was removed from the ground, cleaned and recycled. See Attachment "A."

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Contaminated water was pumped from UST 465Dogwood-2 and disposed by MCAS.

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

VII. PIPING INFORMATION

465Dogwood-2				
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. 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.

This is the second tank removed from 465 Dogwood Drive.

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 #
465 Dogwd-2	Excav at fill end	Soil	Sandy	5'10"	1/28/15 1515 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

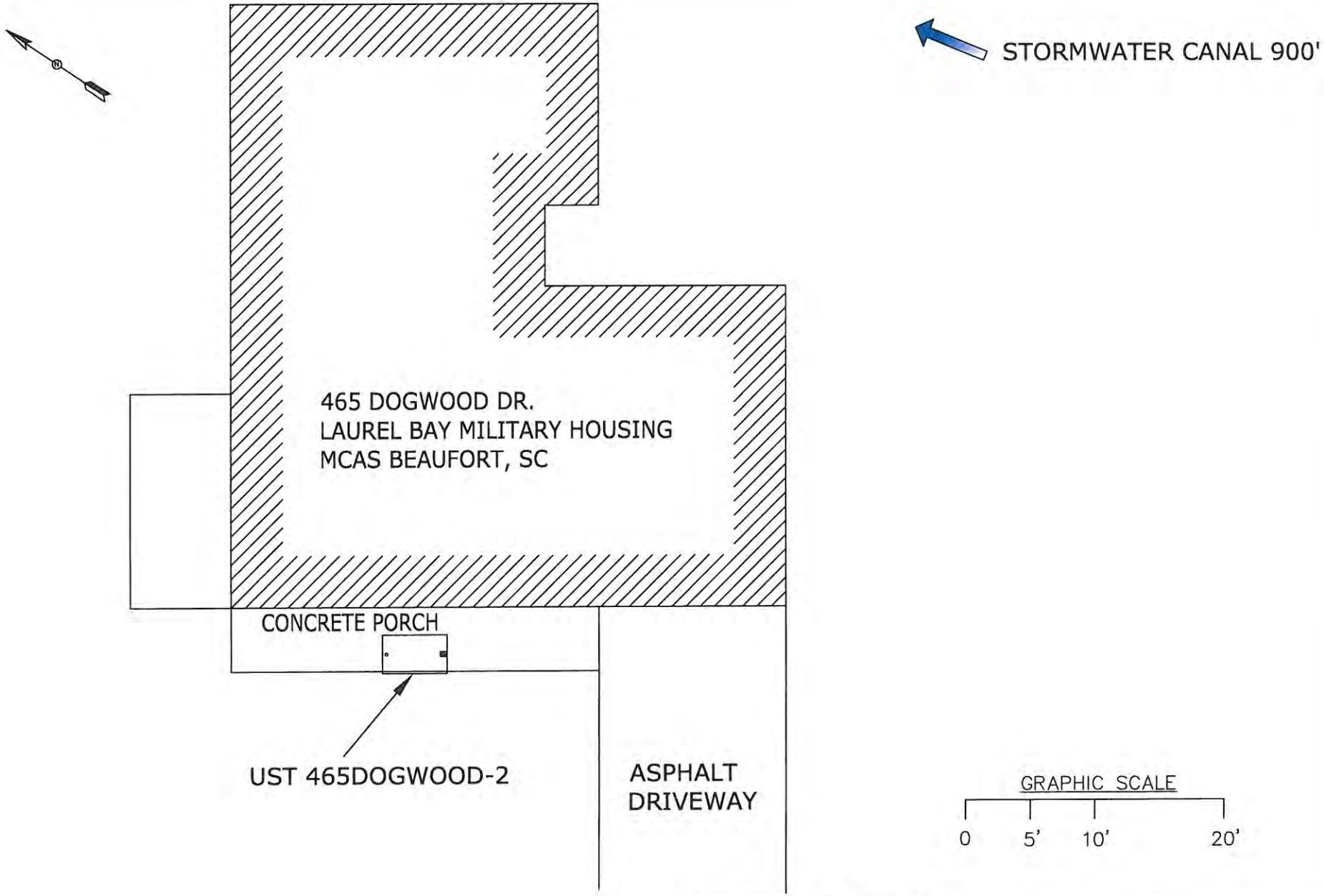
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *stormwater drainage canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water, electricity, cable & fiber optic 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 <u>scaled</u> site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.

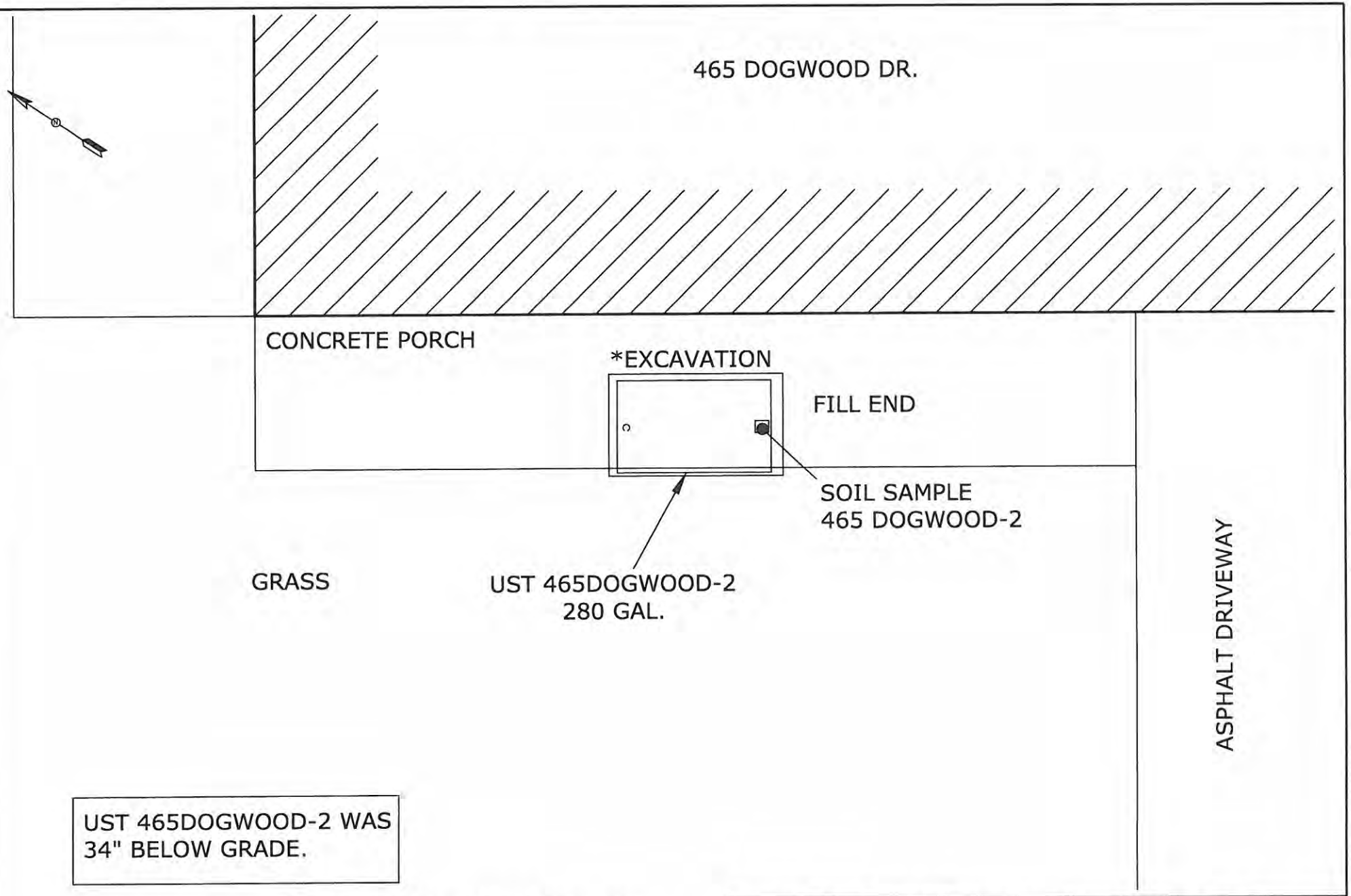
(Attach Site Map Here)



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

FIGURE 1 SITE MAP
465 DOGWOOD DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE FEB 2015



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

FIGURE 2 UST SAMPLE LOCATION
465 DOGWOOD DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE FEB 2015

Picture 1: Location of UST 465Dogwood-2.

Picture 2: UST 465Dogwood-2.

Picture 3: Tank pit.

Picture 4: Site at completion of tank removal.

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	465Dogwood-2						
Benzene	0.0244 mg/kg						
Toluene	0.00119 mg/kg						
Ethylbenzene	0.167 mg/kg						
Xylenes	0.0895 mg/kg						
Naphthalene	0.318 mg/kg						
Benzo (a) anthracene	0.164 mg/kg						
Benzo (b) fluoranthene	0.113 mg/kg						
Benzo (k) fluoranthene	0.0445 mg/kg						
Chrysene	0.169 mg/kg						
Dibenz (a, h) anthracene	ND						
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 490-71526-1
Client Project/Site: Laurel Bay Housing Project

For:
Small Business Group Inc.
10179 Highway 78
Ladson, South Carolina 29456

Attn: Tom McElwee

Authorized for release by:
2/6/2015 2:29:45 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

Table of Contents

Sample Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-71526-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-71526-1	1352 Cardinal - 2	Soil	01/26/15 14:15	01/30/15 08:00
490-71526-2	465 Dogwood - 2	Soil	01/28/15 15:15	01/30/15 08:00

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-71526-1

Job ID: 490-71526-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-71526-1

Comments
No additional comments.

Receipt
The samples were received on 1/30/2015 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA
Method(s) 8260B: The method blank for batch 224716 contained Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. (MB 490-224716/8)

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1352 Cardinal - 2 (490-71526-1), 465 Dogwood - 2 (490-71526-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 224510

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC/MS Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-71526-1

Client Sample ID: 1352 Cardinal - 2

Date Collected: 01/26/15 14:15
Date Received: 01/30/15 08:00

Lab Sample ID: 490-71526-1

Matrix: Soil
Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00193	0.000648	mg/Kg	☼	01/26/15 14:15	02/01/15 05:23	1
Ethylbenzene	0.116		0.00193	0.000648	mg/Kg	☼	01/26/15 14:15	02/01/15 05:23	1
Naphthalene	2.95	B	0.320	0.109	mg/Kg	☼	01/26/15 14:15	02/02/15 21:00	1
Toluene	0.00102	J	0.00193	0.000716	mg/Kg	☼	01/26/15 14:15	02/01/15 05:23	1
Xylenes, Total	0.118		0.00290	0.000648	mg/Kg	☼	01/26/15 14:15	02/01/15 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*01/26/15 14:15*	*02/01/15 05:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*01/26/15 14:15*	*02/02/15 21:00*	*1*
4-Bromofluorobenzene (Surr)	*294*	*X*	*70 - 130*	*01/26/15 14:15*	*02/01/15 05:23*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/26/15 14:15*	*02/02/15 21:00*	*1*
Dibromofluoromethane (Surr)	*110*		*70 - 130*	*01/26/15 14:15*	*02/01/15 05:23*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*	*01/26/15 14:15*	*02/02/15 21:00*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*01/26/15 14:15*	*02/01/15 05:23*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*01/26/15 14:15*	*02/02/15 21:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0675		0.0666	0.00995	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Acenaphthylene	0.0426	J	0.0666	0.00895	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Anthracene	0.0446	J	0.0666	0.00895	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Benzo[a]anthracene	ND		0.0666	0.0149	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Benzo[a]pyrene	ND		0.0666	0.0119	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Benzo[b]fluoranthene	ND		0.0666	0.0119	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Benzo[g,h,i]perylene	ND		0.0666	0.00895	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Benzo[k]fluoranthene	ND		0.0666	0.0139	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
1-Methylnaphthalene	1.09		0.0666	0.0139	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Pyrene	0.0379	J	0.0666	0.0119	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Phenanthrene	0.408		0.0666	0.00895	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Chrysene	ND		0.0666	0.00895	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Dibenz(a,h)anthracene	ND		0.0666	0.00696	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Fluoranthene	0.0371	J	0.0666	0.00895	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Fluorene	0.178		0.0666	0.0119	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Indeno[1,2,3-cd]pyrene	ND		0.0666	0.00995	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
Naphthalene	0.119		0.0666	0.00895	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1
2-Methylnaphthalene	1.74		0.0666	0.0159	mg/Kg	☼	02/03/15 09:34	02/03/15 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*29 - 120*	*02/03/15 09:34*	*02/03/15 22:07*	*1*
Terphenyl-d14 (Surr)	*64*		*13 - 120*	*02/03/15 09:34*	*02/03/15 22:07*	*1*
Nitrobenzene-d5 (Surr)	*54*		*27 - 120*	*02/03/15 09:34*	*02/03/15 22:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10	0.10	%			01/30/15 14:20	1

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-71526-1

Client Sample ID: 465 Dogwood - 2

Date Collected: 01/28/15 15:15
Date Received: 01/30/15 08:00

Lab Sample ID: 490-71526-2

Matrix: Soil
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0244		0.00187	0.000626	mg/Kg		01/28/15 15:15	02/01/15 05:56	1
Ethylbenzene	0.167		0.00187	0.000626	mg/Kg		01/28/15 15:15	02/01/15 05:56	1
Naphthalene	0.318		0.00467	0.00159	mg/Kg		01/28/15 15:15	02/01/15 05:56	1
Toluene	0.00119	J	0.00187	0.000691	mg/Kg		01/28/15 15:15	02/01/15 05:56	1
Xylenes, Total	0.0895		0.00280	0.000626	mg/Kg		01/28/15 15:15	02/01/15 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*01/28/15 15:15*	*02/01/15 05:56*	*1*
4-Bromofluorobenzene (Surr)	*331*	*X*	*70 - 130*	*01/28/15 15:15*	*02/01/15 05:56*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*01/28/15 15:15*	*02/01/15 05:56*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*01/28/15 15:15*	*02/01/15 05:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0940		0.0666	0.00994	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Acenaphthylene	0.0692		0.0666	0.00894	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Anthracene	0.0922		0.0666	0.00894	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Benzo[a]anthracene	0.164		0.0666	0.0149	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Benzo[a]pyrene	0.0670		0.0666	0.0119	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Benzo[b]fluoranthene	0.113		0.0666	0.0119	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Benzo[g,h,i]perylene	ND		0.0666	0.00894	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Benzo[k]fluoranthene	0.0445	J	0.0666	0.0139	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
1-Methylnaphthalene	0.963		0.0666	0.0139	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Pyrene	0.319		0.0666	0.0119	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Phenanthrene	0.597		0.0666	0.00894	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Chrysene	0.169		0.0666	0.00894	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Dibenz(a,h)anthracene	ND		0.0666	0.00696	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Fluoranthene	0.398		0.0666	0.00894	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Fluorene	0.188		0.0666	0.0119	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Indeno[1,2,3-cd]pyrene	ND		0.0666	0.00994	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
Naphthalene	0.194		0.0666	0.00894	mg/Kg		02/03/15 09:34	02/03/15 22:29	1
2-Methylnaphthalene	0.921		0.0666	0.0159	mg/Kg		02/03/15 09:34	02/03/15 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*29 - 120*	*02/03/15 09:34*	*02/03/15 22:29*	*1*
Terphenyl-d14 (Surr)	*81*		*13 - 120*	*02/03/15 09:34*	*02/03/15 22:29*	*1*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*	*02/03/15 09:34*	*02/03/15 22:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10	0.10	%			01/30/15 14:20	1

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

Lab Sample ID: MB 490-224510/6
Matrix: Solid
Analysis Batch: 224510

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			02/01/15 03:47	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			02/01/15 03:47	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			02/01/15 03:47	1
Toluene	ND		0.00200	0.000740	mg/Kg			02/01/15 03:47	1
Xylenes, Total	ND		0.00300	0.000670	mg/Kg			02/01/15 03:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*02/01/15 03:47*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*02/01/15 03:47*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*02/01/15 03:47*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/01/15 03:47*	*1*

Lab Sample ID: LCS 490-224510/3
Matrix: Solid
Analysis Batch: 224510

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.06337		mg/Kg		127	75 - 127
Ethylbenzene	0.0500	0.05384		mg/Kg		108	80 - 134
Naphthalene	0.0500	0.06694		mg/Kg		134	69 - 150
Toluene	0.0500	0.06156		mg/Kg		123	80 - 132
Xylenes, Total	0.100	0.1142		mg/Kg		114	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 490-224510/4
Matrix: Solid
Analysis Batch: 224510

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.06085		mg/Kg		122	75 - 127	4	50
Ethylbenzene	0.0500	0.05368		mg/Kg		107	80 - 134	0	50
Naphthalene	0.0500	0.07343		mg/Kg		147	69 - 150	9	50
Toluene	0.0500	0.06121		mg/Kg		122	80 - 132	1	50
Xylenes, Total	0.100	0.1135		mg/Kg		113	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 490-224716/8
Matrix: Solid
Analysis Batch: 224716

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0340	mg/Kg			02/02/15 13:52	1
Ethylbenzene	ND		0.100	0.0340	mg/Kg			02/02/15 13:52	1
Naphthalene	0.08898	J	0.250	0.0850	mg/Kg			02/02/15 13:52	1
Toluene	ND		0.100	0.0370	mg/Kg			02/02/15 13:52	1
Xylenes, Total	ND		0.150	0.0340	mg/Kg			02/02/15 13:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*02/02/15 13:52*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*02/02/15 13:52*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*02/02/15 13:52*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/02/15 13:52*	*1*

Lab Sample ID: MB 490-224716/9
Matrix: Solid
Analysis Batch: 224716

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000680	mg/Kg			02/02/15 14:21	1
Ethylbenzene	ND		0.00200	0.000680	mg/Kg			02/02/15 14:21	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			02/02/15 14:21	1
Toluene	ND		0.00200	0.000740	mg/Kg			02/02/15 14:21	1
Xylenes, Total	ND		0.00300	0.000680	mg/Kg			02/02/15 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*02/02/15 14:21*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*02/02/15 14:21*	*1*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*02/02/15 14:21*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/02/15 14:21*	*1*

Lab Sample ID: LCS 490-224716/3
Matrix: Solid
Analysis Batch: 224716

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05268		mg/Kg		105	75 - 127
Ethylbenzene	0.0500	0.05507		mg/Kg		110	80 - 134
Naphthalene	0.0500	0.05591		mg/Kg		112	69 - 150
Toluene	0.0500	0.05454		mg/Kg		109	80 - 132
Xylenes, Total	0.100	0.1117		mg/Kg		112	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*112*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

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

Lab Sample ID: LCS 490-224716/5
Matrix: Solid
Analysis Batch: 224716

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2.50	2.603		mg/Kg		104	75 - 127
Ethylbenzene	2.50	2.673		mg/Kg		107	80 - 134
Naphthalene	2.50	2.483		mg/Kg		99	69 - 150
Toluene	2.50	2.567		mg/Kg		103	80 - 132
Xylenes, Total	5.00	5.416		mg/Kg		108	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*112*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 490-224716/4
Matrix: Solid
Analysis Batch: 224716

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05413		mg/Kg		108	75 - 127	3	50
Ethylbenzene	0.0500	0.05496		mg/Kg		110	80 - 134	0	50
Naphthalene	0.0500	0.05351		mg/Kg		107	69 - 150	4	50
Toluene	0.0500	0.05454		mg/Kg		109	80 - 132	0	50
Xylenes, Total	0.100	0.1102		mg/Kg		110	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*114*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-224716/6
Matrix: Solid
Analysis Batch: 224716

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	2.50	2.611		mg/Kg		104	75 - 127	0	50
Ethylbenzene	2.50	2.677		mg/Kg		107	80 - 134	0	50
Naphthalene	2.50	2.486		mg/Kg		99	69 - 150	0	50
Toluene	2.50	2.563		mg/Kg		103	80 - 132	0	50
Xylenes, Total	5.00	5.377		mg/Kg		108	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*111*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*

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

Lab Sample ID: 490-71562-B-1 MS
Matrix: Solid
Analysis Batch: 224716

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0500	0.05148		mg/Kg		103	31 - 143
Ethylbenzene	ND		0.0500	0.05623		mg/Kg		112	23 - 161
Naphthalene	ND		0.0500	0.05812		mg/Kg		116	10 - 176
Toluene	ND		0.0500	0.05614		mg/Kg		112	30 - 155
Xylenes, Total	ND		0.100	0.1119		mg/Kg		112	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-71562-C-1 MSD
Matrix: Solid
Analysis Batch: 224716

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0500	0.05066		mg/Kg		101	31 - 143	2	50
Ethylbenzene	ND		0.0500	0.05828		mg/Kg		117	23 - 161	4	50
Naphthalene	ND		0.0500	0.06256		mg/Kg		125	10 - 176	7	50
Toluene	ND		0.0500	0.05790		mg/Kg		116	30 - 155	3	50
Xylenes, Total	ND		0.100	0.1157		mg/Kg		116	25 - 162	3	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 490-224884/1-A
Matrix: Solid
Analysis Batch: 224923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Anthracene	ND		0.0670	0.00900	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Pyrene	ND		0.0670	0.0120	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		02/03/15 09:34	02/03/15 18:45	1

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

Lab Sample ID: MB 490-224884/1-A
Matrix: Solid
Analysis Batch: 224923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.0670	0.00900	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Fluorene	ND		0.0670	0.0120	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		02/03/15 09:34	02/03/15 18:45	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		02/03/15 09:34	02/03/15 18:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*29 - 120*	*02/03/15 09:34*	*02/03/15 18:45*	*1*
Terphenyl-d14 (Surr)	*62*		*13 - 120*	*02/03/15 09:34*	*02/03/15 18:45*	*1*
Nitrobenzene-d5 (Surr)	*53*		*27 - 120*	*02/03/15 09:34*	*02/03/15 18:45*	*1*

Lab Sample ID: LCS 490-224884/2-A
Matrix: Solid
Analysis Batch: 224923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.359		mg/Kg		82	38 - 120
Anthracene	1.67	1.373		mg/Kg		82	46 - 124
Benzo[a]anthracene	1.67	1.398		mg/Kg		84	45 - 120
Benzo[a]pyrene	1.67	1.369		mg/Kg		82	45 - 120
Benzo[b]fluoranthene	1.67	1.387		mg/Kg		83	42 - 120
Benzo[g,h,i]perylene	1.67	1.356		mg/Kg		81	38 - 120
Benzo[k]fluoranthene	1.67	1.393		mg/Kg		84	42 - 120
1-Methylnaphthalene	1.67	1.266		mg/Kg		76	32 - 120
Pyrene	1.67	1.336		mg/Kg		80	43 - 120
Phenanthrene	1.67	1.345		mg/Kg		81	45 - 120
Chrysene	1.67	1.364		mg/Kg		82	43 - 120
Dibenz(a,h)anthracene	1.67	1.399		mg/Kg		84	32 - 128
Fluoranthene	1.67	1.352		mg/Kg		81	46 - 120
Fluorene	1.67	1.394		mg/Kg		84	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.374		mg/Kg		82	41 - 121
Naphthalene	1.67	1.265		mg/Kg		76	32 - 120
2-Methylnaphthalene	1.67	1.299		mg/Kg		78	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*29 - 120*
Terphenyl-d14 (Surr)	*76*		*13 - 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*

Lab Sample ID: 490-71491-F-1-E MS
Matrix: Solid
Analysis Batch: 224923

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 224884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		1.75	1.312		mg/Kg		75	25 - 120
Anthracene	ND		1.75	1.396		mg/Kg		80	28 - 125

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

Lab Sample ID: 490-71491-F-1-E MS
Matrix: Solid
Analysis Batch: 224923

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 224884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		1.75	1.393		mg/Kg	☼	80	23 - 120
Benzo[a]pyrene	ND		1.75	1.356		mg/Kg	☼	77	15 - 128
Benzo[b]fluoranthene	ND		1.75	1.429		mg/Kg	☼	82	12 - 133
Benzo[g,h,i]perylene	ND		1.75	1.360		mg/Kg	☼	78	22 - 120
Benzo[k]fluoranthene	ND		1.75	1.329		mg/Kg	☼	76	28 - 120
1-Methylnaphthalene	ND		1.75	1.245		mg/Kg	☼	71	10 - 120
Pyrene	ND		1.75	1.337		mg/Kg	☼	76	20 - 123
Phenanthrene	ND		1.75	1.346		mg/Kg	☼	77	21 - 122
Chrysene	ND		1.75	1.357		mg/Kg	☼	77	20 - 120
Dibenz(a,h)anthracene	ND		1.75	1.447		mg/Kg	☼	83	12 - 128
Fluoranthene	ND		1.75	1.375		mg/Kg	☼	78	10 - 143
Fluorene	ND		1.75	1.368		mg/Kg	☼	78	20 - 120
Indeno[1,2,3-cd]pyrene	ND		1.75	1.388		mg/Kg	☼	79	22 - 121
Naphthalene	ND		1.75	1.226		mg/Kg	☼	70	10 - 120
2-Methylnaphthalene	ND		1.75	1.289		mg/Kg	☼	74	13 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*29 - 120*
Terphenyl-d14 (Surr)	*72*		*13 - 120*
Nitrobenzene-d5 (Surr)	*64*		*27 - 120*

Lab Sample ID: 490-71491-F-1-F MSD
Matrix: Solid
Analysis Batch: 224923

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 224884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	ND		1.72	1.257		mg/Kg	☼	73	25 - 120	4	50
Anthracene	ND		1.72	1.316		mg/Kg	☼	76	28 - 125	6	49
Benzo[a]anthracene	ND		1.72	1.353		mg/Kg	☼	78	23 - 120	3	50
Benzo[a]pyrene	ND		1.72	1.289		mg/Kg	☼	75	15 - 128	5	50
Benzo[b]fluoranthene	ND		1.72	1.306		mg/Kg	☼	76	12 - 133	9	50
Benzo[g,h,i]perylene	ND		1.72	1.306		mg/Kg	☼	76	22 - 120	4	50
Benzo[k]fluoranthene	ND		1.72	1.315		mg/Kg	☼	76	28 - 120	1	45
1-Methylnaphthalene	ND		1.72	1.151		mg/Kg	☼	67	10 - 120	8	50
Pyrene	ND		1.72	1.325		mg/Kg	☼	77	20 - 123	1	50
Phenanthrene	ND		1.72	1.259		mg/Kg	☼	73	21 - 122	7	50
Chrysene	ND		1.72	1.286		mg/Kg	☼	75	20 - 120	5	49
Dibenz(a,h)anthracene	ND		1.72	1.352		mg/Kg	☼	78	12 - 128	7	50
Fluoranthene	ND		1.72	1.322		mg/Kg	☼	77	10 - 143	4	50
Fluorene	ND		1.72	1.300		mg/Kg	☼	75	20 - 120	5	50
Indeno[1,2,3-cd]pyrene	ND		1.72	1.294		mg/Kg	☼	75	22 - 121	7	50
Naphthalene	ND		1.72	1.089		mg/Kg	☼	63	10 - 120	12	50
2-Methylnaphthalene	ND		1.72	1.153		mg/Kg	☼	67	13 - 120	11	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*63*		*29 - 120*
Terphenyl-d14 (Surr)	*72*		*13 - 120*

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

Lab Sample ID: 490-71491-F-1-F MSD
Matrix: Solid
Analysis Batch: 224923

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 224884

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*58*		*27 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-71501-B-1 DU
Matrix: Solid
Analysis Batch: 224304

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	78		77		%		0.2	20

GC/MS VOA

Prep Batch: 224330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71526-1	1352 Cardinal - 2	Total/NA	Soil	5035	

Prep Batch: 224337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71526-1	1352 Cardinal - 2	Total/NA	Soil	5035	
490-71526-2	465 Dogwood - 2	Total/NA	Soil	5035	

Analysis Batch: 224510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71526-1	1352 Cardinal - 2	Total/NA	Soil	8260B	224337
490-71526-2	465 Dogwood - 2	Total/NA	Soil	8260B	224337
LCS 490-224510/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-224510/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-224510/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 224716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71526-1	1352 Cardinal - 2	Total/NA	Soil	8260B	224330
490-71562-B-1 MS	Matrix Spike	Total/NA	Solid	8260B	
490-71562-C-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
LCS 490-224716/3	Lab Control Sample	Total/NA	Solid	8260B	
LCS 490-224716/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-224716/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
LCSD 490-224716/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-224716/8	Method Blank	Total/NA	Solid	8260B	
MB 490-224716/9	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 224884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71491-F-1-E MS	Matrix Spike	Total/NA	Solid	3550C	
490-71491-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-71526-1	1352 Cardinal - 2	Total/NA	Soil	3550C	
490-71526-2	465 Dogwood - 2	Total/NA	Soil	3550C	
LCS 490-224884/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-224884/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 224923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71491-F-1-E MS	Matrix Spike	Total/NA	Solid	8270D	224884
490-71491-F-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	224884
490-71526-1	1352 Cardinal - 2	Total/NA	Soil	8270D	224884
490-71526-2	465 Dogwood - 2	Total/NA	Soil	8270D	224884
LCS 490-224884/2-A	Lab Control Sample	Total/NA	Solid	8270D	224884
MB 490-224884/1-A	Method Blank	Total/NA	Solid	8270D	224884

General Chemistry

Analysis Batch: 224304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-71483-A-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-71483-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-71501-B-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-71526-1	1352 Cardinal - 2	Total/NA	Soil	Moisture	
490-71526-2	465 Dogwood - 2	Total/NA	Soil	Moisture	

Lab Chronicle

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-71526-1

Client Sample ID: 1352 Cardinal - 2

Date Collected: 01/26/15 14:15
Date Received: 01/30/15 08:00

Lab Sample ID: 490-71526-1

Matrix: Soil
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.974 g	5.0 mL	224330	01/26/15 14:15	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5.974 g	5.0 mL	224716	02/02/15 21:00	JMG	TAL NSH
Total/NA	Prep	5035			6.418 g	5.0 mL	224337	01/26/15 14:15	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.418 g	5.0 mL	224510	02/01/15 05:23	SLM	TAL NSH
Total/NA	Prep	3550C			37.44 g	1 mL	224884	02/03/15 09:34	LDC	TAL NSH
Total/NA	Analysis	8270D		1	37.44 g	1 mL	224923	02/03/15 22:07	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			224304	01/30/15 14:20	RRS	TAL NSH

Client Sample ID: 465 Dogwood - 2

Date Collected: 01/28/15 15:15
Date Received: 01/30/15 08:00

Lab Sample ID: 490-71526-2

Matrix: Soil
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.73 g	5.0 mL	224337	01/28/15 15:15	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.73 g	5.0 mL	224510	02/01/15 05:56	SLM	TAL NSH
Total/NA	Prep	3550C			37.96 g	1 mL	224884	02/03/15 09:34	LDC	TAL NSH
Total/NA	Analysis	8270D		1	37.96 g	1 mL	224923	02/03/15 22:29	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			224304	01/30/15 14:20	RRS	TAL NSH

Laboratory References:

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 1/30/2015 @ 0800

1. Tracking # 9116 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

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

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

If yes, how many and where: one front + Back

5. Were the seals intact, signed, and dated correctly? (YES) NO...NA

6. Were custody papers inside cooler? (YES) NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) DA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

2/6/2015

Loc: 490
71526

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 analytic methods, is this work being conducted fc regulatory purposes?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: SBG - EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

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

PO#: 1406

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

TA Quote #:

Sampler Name: (Print) FRANK SHAW

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	4oC (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
1352 Cardinal-2	1/26/15	1415	5	X					2				2	1					X		X	X				
465 Dogwood-2	1/28/15	1515	5	X					2				2	1					X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Laboratory Comments:
Temperature Upon Receipt: 1.7
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
	1/29/15	0930	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				1/30/15	8:00

Login Sample Receipt Checklist

Client: Small Business Group Inc.

Job Number: 490-71526-1

Login Number: 71526
List Number: 1
Creator: Huskey, Adam

List Source: TestAmerica Nashville

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

ATTACHMENT A

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 465Dogwood-2, 465 Dogwood 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.R. McDuffee, 2/20/15

(Name) (Date)

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **SC03027-008**
Description: **BEALB465TW02WG20170301**
Matrix: **Aqueous**
Date Sampled: **03/01/2017 1645**
Date Received: **03/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/07/2017 1149	PMV		36403

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**1.5**		**1.0**	0.80	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**8.1**		**1.0**	0.80	**0.40**	**ug/L**	**1**
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		108	85-114
Dibromofluoromethane		112	80-119
1,2-Dichloroethane-d4		102	81-118
Toluene-d8		99	89-112

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

Client: **AECOM - Resolution Consultants**
Laboratory ID: **SC03027-008**
Description: **BEALB465TW02WG20170301**
Matrix: **Aqueous**
Date Sampled: **03/01/2017 1645**
Date Received: **03/03/2017**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	03/10/2017 2355	RBH	03/05/2017 1656	36264

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		76	44-120
2-Fluorobiphenyl		72	44-119
Terphenyl-d14		72	50-134

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

dhec
Healthy People Healthy Communities

August 1, 2016

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 Tank Assessment Reports
Dated July 2015, November 2015, March 2016

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the Underground Storage Tanks (USTs) Assessment Reports for the addresses listed in the attachment. 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 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 these sites.

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, Environmental Engineer Associate
Bureau of Land and Waste Management

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, August 1, 2016
Subject: IGWA, Laurel Bay Underground Tank Assessment Reports
Dated July 2015, November 2015, March 2016

Draft Final Initial Groundwater Investigation Report for (7 addresses/8 tanks)

Permanent Monitoring Well Investigation recommendation	
465 Dogwood Tank 2	254 Beech Tank 2
1352 Cardinal Tank 2*	641 Dahlia Tank 2
121 Banyan	1346 Cardinal
254 Beech Tank 1	1177 Bobwhite
* IGWA well has already been installed along with 1352 Cardinal Tank 1 and a recommendation for permanent wells and groundwater monitoring was approved 2/22/16	

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

July 1, 2015

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

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

Dear Mr. Drawdy,

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

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

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

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

Sincerely,

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

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

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

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

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

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

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

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

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

dhec
Healthy People. Healthy Communities.

July 27, 2017

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

RE: Draft Final Initial Groundwater Investigation Report, February and March 2017

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received groundwater data from temporary monitoring well installations in the Draft Final Groundwater Investigation Report, Laurel Bay Military Housing Area for the fifty two (52) addresses shown in the attachment. 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 DHEC's request, groundwater samples were collected from the attached referenced addresses. DHEC 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 groundwater monitoring wells should be installed at the three (3) stated addresses. For the remaining forty nine (49) addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

Please note that DHEC'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, DHEC 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, Environmental Engineer Associate
Bureau of Land and Waste Management

Cc: Russell Berry, EQC Region 8
Shawn Dolan, Resolution Consultants
Bryan Beck, NAVFAC MIDLANT

Attachment to: Petrus to Drawdy Dated July 27, 2017

Draft Final Initial Groundwater Investigation Report for (52 addresses)

Permanent Well Installation recommedation (3 Addresses):

- 254 Beech Street (110 ug/L)
- 268 Beech Street (28 ug/L)
- 774 Althea Street (35 ug/L)

No Further Action recommendation (49 addresses):

- 113 Birch Drive
- 121 Banyan Drive
- 122 Banyan Drive
- 159 Cypress Street
- 221 Cypress Street
- 274 Birch Drive
- 279 Birch Drive
- 283 Birch Drive
- 328 Ash Street
- 346 Ash Street
- 359 Aspen Street
- 370 Aspen Street
- 377 Aspen Street
- 409 Elderberry Drive
- 465 Dogwood Drive
- 480 Laurel Bay Boulevard
- 486 Laurel Bay Boulevard
- 515 Laurel Bay Boulevard
- 542 Laurel Bay Boulevard
- 593 Aster Street
- 630 Dahlia Drive
- 641 Dahlia Drive
- 693 Camelia Drive
- 723 Bluebell Lane
- 860 Dolphin Street
- 873 Cobia Drive
- 883 Cobia Drive
- 905 Barracuda Drive
- 921 Barracuda Drive
- 935 Albacore Street
- 946 Albacore Street
- 1037 Iris Lane
- 1039 Iris Lane
- 1110 Iris Lane
- 1134 Iris Lane
- 1143 Iris Lane
- 1177 Bobwhite Drive
- 1202 Cardinal Lane
- 1212 Cardinal Lane
- 1222 Cardinal Lane
- 1224 Cardinal Lane
- 1226 Dove Lane
- 1236 Dove Lane
- 1245 Dove Lane
- 1247 Dove Lane
- 1274 Albatross Drive
- 1319 Albatross Drive
- 1337 Albatross Drive
- 1346 Cardinal Lane