SUMMARY REPORT
24 JASMINE STREET (FORMERLY 1170 JASMINE STREET)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 2021

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Prepared by:

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

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

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List of Acronyms

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CTO	Contract Task Order
COPC	constituents of potential concern
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 Jasmine Street (Formerly 1170 Jasmine Street). 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 Jasmine Street (Formerly 1170 Jasmine Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1170 Jasmine Street* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

On June 29, 2009, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the concrete porch at 24 Jasmine Street (Formerly 1170 Jasmine Street). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed, cleaned, and shipped offsite for recycling. There was no visual

evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 6'3" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 24 Jasmine Street (Formerly 1170 Jasmine Street) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated May 15, 2014, SCDHEC requested an IGWA for 24 Jasmine Street (Formerly 1170 Jasmine Street) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On May 19, 2015, a temporary monitoring well was installed at 24 Jasmine Street (Formerly 1170 Jasmine Street), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015).

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

2.4 Groundwater Analytical Results

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

The groundwater results collected from 24 Jasmine Street (Formerly 1170 Jasmine Street) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 24 Jasmine Street (Formerly 1170 Jasmine Street). This NFA determination was obtained in a letter dated February 22, 2016. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1170 Jasmine Street, Laurel Bay Military Housing Area*, October 2009.

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

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

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

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

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

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

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

Tables

Table 1
Laboratory Analytical Results - Soil
24 Jasmine Street (Formerly 1170 Jasmine Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Sample Collected 06/29/09
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	**0.0194**
Ethylbenzene	1.15	**2.41**
Naphthalene	0.036	**1.23**
Toluene	0.627	**0.0364**
Xylenes, Total	13.01	**7.42**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
24 Jasmine Street (Formerly 1170 Jasmine Street)
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 05/19/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	**2.0**
Naphthalene	25	29.33	**7.6**
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	**1.4**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

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

RBSL - Risk-Based Screening Level

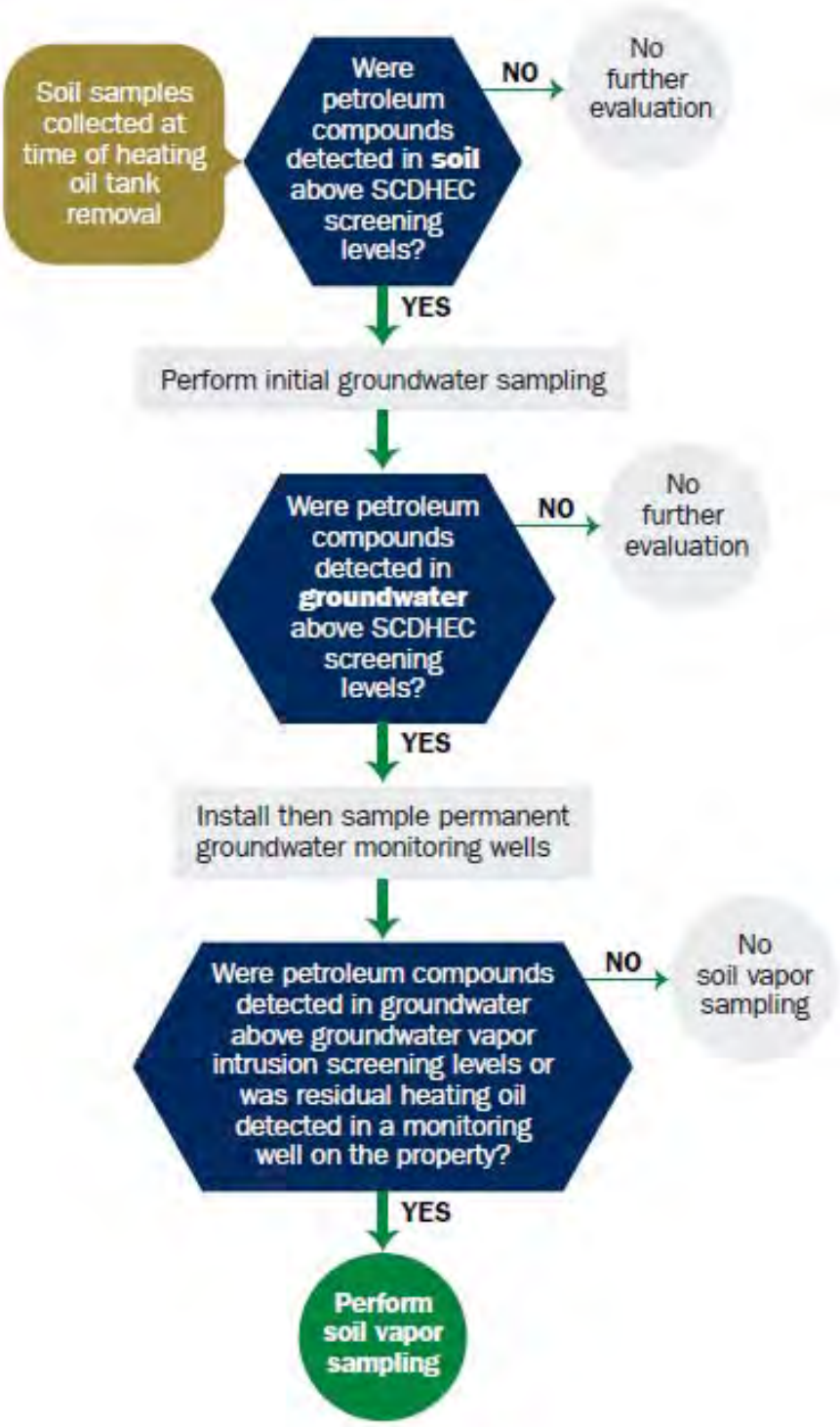
SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

CDM - AECOM
Multimedia Joint Venture

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

1170 Jasmine St., 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

1170Jasmine				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
6'3"				
No				
No				
Removed				
6/29/09				
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 1170Jasmine was removed from the ground and disposed of at a Subtitle "D" landfill. See Attachment "A."

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
UST 1170Jasmine 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 through out the tank.

VII. PIPING INFORMATION

1170Jasmine				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

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 96012001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1170 Jasmine	Excav at fill end	Soil	Sandy	6'3"	6/29/09 1035 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? 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 and water If yes, indicate the type of utility, distance, and direction on the site map.	*X	
E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete? If yes, indicate the area of contaminated soil on the site map.		X

XIII. SITE MAP

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

(Attach Site Map Here)

SBG-EEG, Inc.
Small Business Group, Inc.
10179 Hwy 78
Ladson, SC 29456

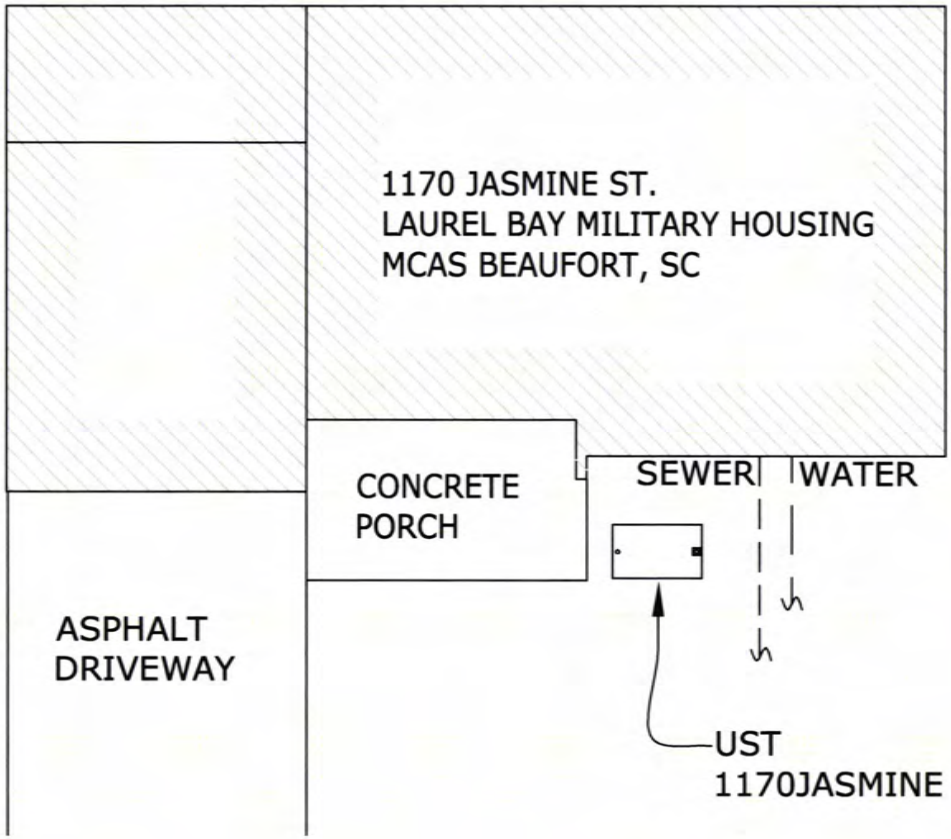
Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: July 2009

FIGURE 1: LOCATION MAP
1170 JASMINE ST., LAUREL BAY
MCAS BEAUFORT SC

BROAD RIVER ≈470'



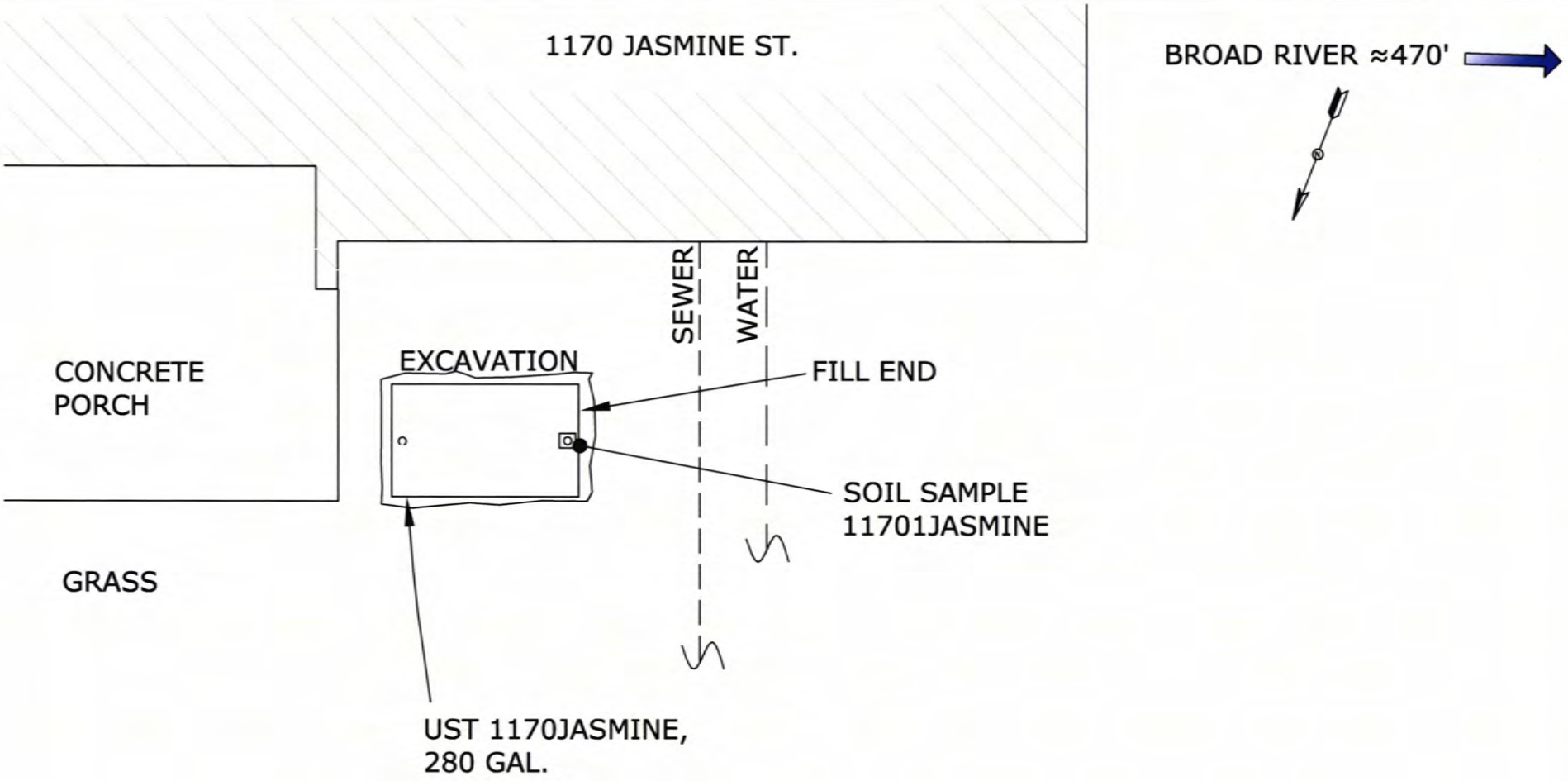
GRAPHIC SCALE

0 5' 10' 20'

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

FIGURE 2 SITE MAP
1170 JASMINE ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE AUG 2009



GRAPHIC SCALE
0 5'

UST 1170JASMINE WAS 39" BELOW GRADE.

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

FIGURE 3 UST SAMPLE LOCATIONS
1170 JASMINE ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE AUG 2009

Picture 1: Location of UST 1170Jasmine.

Picture 2: UST 1170Jasmine location after completion of work.

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	1170Jasmine						
Benzene	0.0194 mg/kg						
Toluene	0.0364 mg/kg						
Ethylbenzene	2.41 mg/kg						
Xylenes	7.42 mg/kg						
Naphthalene	1.23 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

July 20, 2009 5:09:46PM

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

Work Order: NSG0282
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 08087
Date Received: 07/03/09

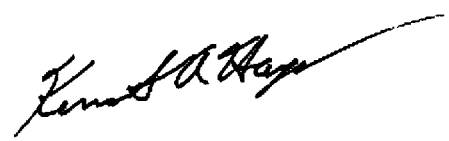
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1170 Jasmine	NSG0282-01	06/29/09 10:35
480 Laurel Bay	NSG0282-02	06/29/09 14:30
484 Laurel Bay	NSG0282-03	06/29/09 14:40
492 Laurel Bay	NSG0282-04	06/30/09 10:20
488 Laurel Bay	NSG0282-05	06/30/09 09:45
504 Laurel Bay	NSG0282-06	06/30/09 14:30
500 Laurel Bay	NSG0282-07	06/30/09 14:00

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:
The methanol vial for sample NSG0282-01 had lost all the methanol prior to sample receipt. As a result, we were unable to perform analysis on a dilution greater than 1X. The data was flagged accordingly.
South Carolina Certification Number: 84009001

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

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:



Ken A. Hayes

Senior Project Manager

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0282-01 (1170 Jasmine - Soil) Sampled: 06/29/09 10:35								
General Chemistry Parameters								
% Dry Solids	**79.1**		%	0.500	1	07/16/09 09:06	SW-846	9071822
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.0194**		mg/kg dry	0.00228	1	07/08/09 02:27	SW846 8260B	9070447
Ethylbenzene	**2.41**	E, S10	mg/kg dry	0.00228	1	07/08/09 02:27	SW846 8260B	9070447
Naphthalene	**1.23**	E, S10	mg/kg dry	0.00570	1	07/08/09 02:27	SW846 8260B	9070447
Toluene	**0.0364**		mg/kg dry	0.00228	1	07/08/09 02:27	SW846 8260B	9070447
Xylenes, total	**7.42**	E, S10	mg/kg dry	0.00570	1	07/08/09 02:27	SW846 8260B	9070447
Surr: 1,2-Dichloroethane-d4 (67-138%)	*97 %*					*07/08/09 02:27*	*SW846 8260B*	*9070447*
Surr: Dibromofluoromethane (75-125%)	*98 %*					*07/08/09 02:27*	*SW846 8260B*	*9070447*
Surr: Toluene-d8 (76-129%)	*543 %*	*ZX*				*07/08/09 02:27*	*SW846 8260B*	*9070447*
Surr: 4-Bromofluorobenzene (67-147%)	*414 %*	*ZX*				*07/08/09 02:27*	*SW846 8260B*	*9070447*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Acenaphthylene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Anthracene	**1.44**		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Benzo (a) anthracene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Benzo (a) pyrene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Benzo (b) fluoranthene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Benzo (g,h,i) perylene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Benzo (k) fluoranthene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Chrysene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Dibenz (a,h) anthracene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Fluoranthene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Fluorene	**7.83**		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Naphthalene	**16.0**		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Phenanthrene	**18.0**		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
Pyrene	**1.32**		mg/kg dry	0.839	10	07/11/09 18:31	SW846 8270D	9071105
1-Methylnaphthalene	**45.4**		mg/kg dry	8.39	100	07/11/09 18:53	SW846 8270D	9071105
2-Methylnaphthalene	**67.0**		mg/kg dry	8.39	100	07/11/09 18:53	SW846 8270D	9071105
Surr: Terphenyl-d14 (18-120%)	*85 %*					*07/11/09 18:31*	*SW846 8270D*	*9071105*
Surr: 2-Fluorobiphenyl (14-120%)	*77 %*					*07/11/09 18:31*	*SW846 8270D*	*9071105*
Surr: Nitrobenzene-d5 (17-120%)	*60 %*					*07/11/09 18:31*	*SW846 8270D*	*9071105*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0282-02 (480 Laurel Bay - Soil) Sampled: 06/29/09 14:30								
General Chemistry Parameters								
% Dry Solids	**85.8**		%	0.500	1	07/16/09 09:06	SW-846	9071822
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00208	1	07/08/09 02:57	SW846 8260B	9070447
Ethylbenzene	**0.431**		mg/kg dry	0.120	50	07/08/09 16:39	SW846 8260B	9070955
Naphthalene	**9.62**		mg/kg dry	0.300	50	07/08/09 16:39	SW846 8260B	9070955
Toluene	**0.00210**		mg/kg dry	0.00208	1	07/08/09 02:57	SW846 8260B	9070447
Xylenes, total	**0.949**		mg/kg dry	0.300	50	07/08/09 16:39	SW846 8260B	9070955
Surr: 1,2-Dichloroethane-d4 (67-138%)	*98 %*					*07/08/09 02:57*	*SW846 8260B*	*9070447*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*105 %*					*07/08/09 16:39*	*SW846 8260B*	*9070955*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*07/08/09 02:57*	*SW846 8260B*	*9070447*
Surr: Dibromofluoromethane (75-125%)	*101 %*					*07/08/09 16:39*	*SW846 8260B*	*9070955*
Surr: Toluene-d8 (76-129%)	*172 %*	*ZX*				*07/08/09 02:57*	*SW846 8260B*	*9070447*
Surr: Toluene-d8 (76-129%)	*94 %*					*07/08/09 16:39*	*SW846 8260B*	*9070955*
Surr: 4-Bromofluorobenzene (67-147%)	*259 %*	*ZX*				*07/08/09 02:57*	*SW846 8260B*	*9070447*
Surr: 4-Bromofluorobenzene (67-147%)	*120 %*					*07/08/09 16:39*	*SW846 8260B*	*9070955*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Acenaphthylene	ND		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Anthracene	**1.61**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Benzo (a) anthracene	**2.86**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Benzo (a) pyrene	**1.36**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Benzo (b) fluoranthene	**1.75**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Benzo (g,h,i) perylene	ND		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Benzo (k) fluoranthene	**0.915**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Chrysene	**2.36**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Dibenz (a,h) anthracene	ND		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Fluoranthene	**8.09**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Fluorene	**4.41**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Naphthalene	**3.76**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Phenanthrene	**11.7**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Pyrene	**7.78**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
1-Methylnaphthalene	**28.1**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
2-Methylnaphthalene	**38.5**		mg/kg dry	0.770	10	07/11/09 19:14	SW846 8270D	9071105
Surr: Terphenyl-d14 (18-120%)	*74 %*					*07/11/09 19:14*	*SW846 8270D*	*9071105*
Surr: 2-Fluorobiphenyl (14-120%)	*68 %*					*07/11/09 19:14*	*SW846 8270D*	*9071105*
Surr: Nitrobenzene-d5 (17-120%)	*49 %*					*07/11/09 19:14*	*SW846 8270D*	*9071105*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0282-03 (484 Laurel Bay - Soil) Sampled: 06/29/09 14:40								
General Chemistry Parameters								
% Dry Solids	**87.8**		%	0.500	1	07/16/09 09:06	SW-846	9071822
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00205	1	07/08/09 14:00	SW846 8260B	9070955
Ethylbenzene	ND		mg/kg dry	0.00205	1	07/08/09 14:00	SW846 8260B	9070955
Naphthalene	ND		mg/kg dry	0.00513	1	07/08/09 14:00	SW846 8260B	9070955
Toluene	ND		mg/kg dry	0.00205	1	07/08/09 14:00	SW846 8260B	9070955
Xylenes, total	ND		mg/kg dry	0.00513	1	07/08/09 14:00	SW846 8260B	9070955
Surr: 1,2-Dichloroethane-d4 (67-138%)	*109 %*					*07/08/09 14:00*	*SW846 8260B*	*9070955*
Surr: Dibromofluoromethane (75-125%)	*109 %*					*07/08/09 14:00*	*SW846 8260B*	*9070955*
Surr: Toluene-d8 (76-129%)	*100 %*					*07/08/09 14:00*	*SW846 8260B*	*9070955*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*07/08/09 14:00*	*SW846 8260B*	*9070955*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Acenaphthylene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Anthracene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Benzo (a) anthracene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Benzo (a) pyrene	**0.703**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Benzo (b) fluoranthene	**1.25**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Benzo (g,h,i) perylene	**0.713**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Benzo (k) fluoranthene	**0.373**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Chrysene	**0.392**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Dibenz (a,h) anthracene	**0.250**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Fluoranthene	**0.105**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Fluorene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Indeno (1,2,3-cd) pyrene	**0.735**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Naphthalene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Phenanthrene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Pyrene	**0.264**		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
1-Methylnaphthalene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
2-Methylnaphthalene	ND		mg/kg dry	0.0760	1	07/10/09 19:27	SW846 8270D	9071105
Surr: Terphenyl-d14 (18-120%)	*81 %*					*07/10/09 19:27*	*SW846 8270D*	*9071105*
Surr: 2-Fluorobiphenyl (14-120%)	*57 %*					*07/10/09 19:27*	*SW846 8270D*	*9071105*
Surr: Nitrobenzene-d5 (17-120%)	*51 %*					*07/10/09 19:27*	*SW846 8270D*	*9071105*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0282-04 (492 Laurel Bay - Soil) Sampled: 06/30/09 10:20								
General Chemistry Parameters								
% Dry Solids	**93.1**		%	0.500	1	07/16/09 09:06	SW-846	9071822
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00230	1	07/08/09 03:56	SW846 8260B	9070447
Ethylbenzene	ND		mg/kg dry	0.00230	1	07/08/09 03:56	SW846 8260B	9070447
Naphthalene	ND		mg/kg dry	0.00575	1	07/08/09 03:56	SW846 8260B	9070447
Toluene	ND		mg/kg dry	0.00230	1	07/08/09 03:56	SW846 8260B	9070447
Xylenes, total	ND		mg/kg dry	0.00575	1	07/08/09 03:56	SW846 8260B	9070447
Surr: 1,2-Dichloroethane-d4 (67-138%)	*95 %*					*07/08/09 03:56*	*SW846 8260B*	*9070447*
Surr: Dibromofluoromethane (75-125%)	*92 %*					*07/08/09 03:56*	*SW846 8260B*	*9070447*
Surr: Toluene-d8 (76-129%)	*109 %*					*07/08/09 03:56*	*SW846 8260B*	*9070447*
Surr: 4-Bromofluorobenzene (67-147%)	*109 %*					*07/08/09 03:56*	*SW846 8260B*	*9070447*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Acenaphthylene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Anthracene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Benzo (a) anthracene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Benzo (a) pyrene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Benzo (b) fluoranthene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Benzo (k) fluoranthene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Chrysene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Fluoranthene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Fluorene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Naphthalene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Phenanthrene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Pyrene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
1-Methylnaphthalene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
2-Methylnaphthalene	ND		mg/kg dry	0.0716	1	07/10/09 19:48	SW846 8270D	9071105
Surr: Terphenyl-d14 (18-120%)	*89 %*					*07/10/09 19:48*	*SW846 8270D*	*9071105*
Surr: 2-Fluorobiphenyl (14-120%)	*71 %*					*07/10/09 19:48*	*SW846 8270D*	*9071105*
Surr: Nitrobenzene-d5 (17-120%)	*61 %*					*07/10/09 19:48*	*SW846 8270D*	*9071105*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0282-05 (488 Laurel Bay - Soil) Sampled: 06/30/09 09:45								
General Chemistry Parameters								
% Dry Solids	**77.9**		%	0.500	1	07/16/09 09:06	SW-846	9071822
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00257	1	07/08/09 04:25	SW846 8260B	9070447
Ethylbenzene	ND		mg/kg dry	0.00257	1	07/08/09 04:25	SW846 8260B	9070447
Naphthalene	ND		mg/kg dry	0.00642	1	07/08/09 04:25	SW846 8260B	9070447
Toluene	ND		mg/kg dry	0.00257	1	07/08/09 04:25	SW846 8260B	9070447
Xylenes, total	ND		mg/kg dry	0.00642	1	07/08/09 04:25	SW846 8260B	9070447
Surr: 1,2-Dichloroethane-d4 (67-138%)	*94 %*					*07/08/09 04:25*	*SW846 8260B*	*9070447*
Surr: Dibromofluoromethane (75-125%)	*87 %*					*07/08/09 04:25*	*SW846 8260B*	*9070447*
Surr: Toluene-d8 (76-129%)	*104 %*					*07/08/09 04:25*	*SW846 8260B*	*9070447*
Surr: 4-Bromofluorobenzene (67-147%)	*110 %*					*07/08/09 04:25*	*SW846 8260B*	*9070447*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Acenaphthylene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Anthracene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Benzo (a) anthracene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Benzo (a) pyrene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Benzo (b) fluoranthene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Benzo (k) fluoranthene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Chrysene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Fluoranthene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Fluorene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Naphthalene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Phenanthrene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Pyrene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
1-Methylnaphthalene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
2-Methylnaphthalene	ND		mg/kg dry	0.0857	1	07/10/09 20:10	SW846 8270D	9071105
Surr: Terphenyl-d14 (18-120%)	*93 %*					*07/10/09 20:10*	*SW846 8270D*	*9071105*
Surr: 2-Fluorobiphenyl (14-120%)	*78 %*					*07/10/09 20:10*	*SW846 8270D*	*9071105*
Surr: Nitrobenzene-d5 (17-120%)	*74 %*					*07/10/09 20:10*	*SW846 8270D*	*9071105*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0282-06 (504 Laurel Bay - Soil) Sampled: 06/30/09 14:30								
General Chemistry Parameters								
% Dry Solids	**98.4**		%	0.500	1	07/16/09 09:06	SW-846	9071822
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00229	1	07/08/09 04:55	SW846 8260B	9070447
Ethylbenzene	ND		mg/kg dry	0.00229	1	07/08/09 04:55	SW846 8260B	9070447
Naphthalene	ND		mg/kg dry	0.00572	1	07/08/09 04:55	SW846 8260B	9070447
Toluene	ND		mg/kg dry	0.00229	1	07/08/09 04:55	SW846 8260B	9070447
Xylenes, total	ND		mg/kg dry	0.00572	1	07/08/09 04:55	SW846 8260B	9070447
Surr: 1,2-Dichloroethane-d4 (67-138%)	*99 %*					*07/08/09 04:55*	*SW846 8260B*	*9070447*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*07/08/09 04:55*	*SW846 8260B*	*9070447*
Surr: Toluene-d8 (76-129%)	*108 %*					*07/08/09 04:55*	*SW846 8260B*	*9070447*
Surr: 4-Bromofluorobenzene (67-147%)	*118 %*					*07/08/09 04:55*	*SW846 8260B*	*9070447*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Acenaphthylene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Anthracene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Benzo (a) anthracene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Benzo (a) pyrene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Benzo (b) fluoranthene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Benzo (k) fluoranthene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Chrysene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Fluoranthene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Fluorene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Naphthalene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Phenanthrene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Pyrene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
1-Methylnaphthalene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
2-Methylnaphthalene	ND		mg/kg dry	0.0670	1	07/10/09 20:31	SW846 8270D	9071105
Surr: Terphenyl-d14 (18-120%)	*94 %*					*07/10/09 20:31*	*SW846 8270D*	*9071105*
Surr: 2-Fluorobiphenyl (14-120%)	*82 %*					*07/10/09 20:31*	*SW846 8270D*	*9071105*
Surr: Nitrobenzene-d5 (17-120%)	*77 %*					*07/10/09 20:31*	*SW846 8270D*	*9071105*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0282-07 (500 Laurel Bay - Soil) Sampled: 06/30/09 14:00								
General Chemistry Parameters								
% Dry Solids	**95.4**		%	0.500	1	07/16/09 09:06	SW-846	9071822
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00223	1	07/08/09 05:25	SW846 8260B	9070447
Ethylbenzene	ND		mg/kg dry	0.00223	1	07/08/09 05:25	SW846 8260B	9070447
Naphthalene	ND		mg/kg dry	0.00558	1	07/08/09 05:25	SW846 8260B	9070447
Toluene	ND		mg/kg dry	0.00223	1	07/08/09 05:25	SW846 8260B	9070447
Xylenes, total	ND		mg/kg dry	0.00558	1	07/08/09 05:25	SW846 8260B	9070447
Surr: 1,2-Dichloroethane-d4 (67-138%)	*99 %*					*07/08/09 05:25*	*SW846 8260B*	*9070447*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*07/08/09 05:25*	*SW846 8260B*	*9070447*
Surr: Toluene-d8 (76-129%)	*112 %*					*07/08/09 05:25*	*SW846 8260B*	*9070447*
Surr: 4-Bromofluorobenzene (67-147%)	*115 %*					*07/08/09 05:25*	*SW846 8260B*	*9070447*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Acenaphthylene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Anthracene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Benzo (a) anthracene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Benzo (a) pyrene	**0.0734**		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Benzo (b) fluoranthene	**0.121**		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Benzo (k) fluoranthene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Chrysene	**0.0968**		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Fluoranthene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Fluorene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Naphthalene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Phenanthrene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Pyrene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
1-Methylnaphthalene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
2-Methylnaphthalene	ND		mg/kg dry	0.0690	1	07/10/09 20:52	SW846 8270D	9071105
Surr: Terphenyl-d14 (18-120%)	*78 %*					*07/10/09 20:52*	*SW846 8270D*	*9071105*
Surr: 2-Fluorobiphenyl (14-120%)	*67 %*					*07/10/09 20:52*	*SW846 8270D*	*9071105*
Surr: Nitrobenzene-d5 (17-120%)	*63 %*					*07/10/09 20:52*	*SW846 8270D*	*9071105*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	9071105	NSG0282-01	30.29	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-01RE1	30.29	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-01RE2	30.29	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-02	30.44	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-02RE1	30.44	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-03	30.11	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-04	30.14	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-05	30.12	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-06	30.51	1.00	07/09/09 10:25	TEM	EPA 3550B
SW846 8270D	9071105	NSG0282-07	30.55	1.00	07/09/09 10:25	TEM	EPA 3550B
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9070447	NSG0282-01	5.54	5.00	06/29/09 10:35	CHH	EPA 5035
SW846 8260B	9070447	NSG0282-02	5.60	5.00	06/29/09 14:30	CHH	EPA 5035
SW846 8260B	9070955	NSG0282-02RE1	4.85	5.00	06/29/09 14:30	CHH	EPA 5035
SW846 8260B	9070447	NSG0282-03	5.13	5.00	06/29/09 14:40	CHH	EPA 5035
SW846 8260B	9070955	NSG0282-03RE1	5.55	5.00	06/29/09 14:40	CHH	EPA 5035
SW846 8260B	9070447	NSG0282-04	4.67	5.00	06/30/09 10:20	CHH	EPA 5035
SW846 8260B	9070447	NSG0282-05	5.00	5.00	06/30/09 09:45	CHH	EPA 5035
SW846 8260B	9070447	NSG0282-06	4.44	5.00	06/30/09 14:30	CHH	EPA 5035
SW846 8260B	9070447	NSG0282-07	4.70	5.00	06/30/09 14:00	CHH	EPA 5035

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
9070447-BLK1						
Benzene	<0.000670		mg/kg wet	9070447	9070447-BLK1	07/08/09 01:58
Ethylbenzene	<0.000670		mg/kg wet	9070447	9070447-BLK1	07/08/09 01:58
Naphthalene	<0.00170		mg/kg wet	9070447	9070447-BLK1	07/08/09 01:58
Toluene	<0.000400		mg/kg wet	9070447	9070447-BLK1	07/08/09 01:58
Xylenes, total	<0.00130		mg/kg wet	9070447	9070447-BLK1	07/08/09 01:58
Surrogate: 1,2-Dichloroethane-d4	104%			9070447	9070447-BLK1	07/08/09 01:58
Surrogate: Dibromofluoromethane	98%			9070447	9070447-BLK1	07/08/09 01:58
Surrogate: Toluene-d8	110%			9070447	9070447-BLK1	07/08/09 01:58
Surrogate: 4-Bromofluorobenzene	103%			9070447	9070447-BLK1	07/08/09 01:58
9070955-BLK1						
Benzene	<0.000670		mg/kg wet	9070955	9070955-BLK1	07/08/09 13:30
Ethylbenzene	<0.000670		mg/kg wet	9070955	9070955-BLK1	07/08/09 13:30
Naphthalene	<0.00170		mg/kg wet	9070955	9070955-BLK1	07/08/09 13:30
Toluene	<0.000400		mg/kg wet	9070955	9070955-BLK1	07/08/09 13:30
Xylenes, total	<0.00130		mg/kg wet	9070955	9070955-BLK1	07/08/09 13:30
Surrogate: 1,2-Dichloroethane-d4	102%			9070955	9070955-BLK1	07/08/09 13:30
Surrogate: Dibromofluoromethane	103%			9070955	9070955-BLK1	07/08/09 13:30
Surrogate: Toluene-d8	97%			9070955	9070955-BLK1	07/08/09 13:30
Surrogate: 4-Bromofluorobenzene	98%			9070955	9070955-BLK1	07/08/09 13:30
Polyaromatic Hydrocarbons by EPA 8270D						
9071105-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Acenaphthylene	<0.0310		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Anthracene	<0.0330		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Benzo (a) anthracene	<0.0380		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Benzo (a) pyrene	<0.0300		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Chrysene	<0.0400		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Fluoranthene	<0.0340		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Fluorene	<0.0360		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Naphthalene	<0.0410		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Phenanthrene	<0.0340		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
Pyrene	<0.0410		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
1-Methylnaphthalene	<0.0320		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35
2-Methylnaphthalene	<0.0330		mg/kg wet	9071105	9071105-BLK1	07/10/09 16:35

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D						
9071105-BLK1						
Surrogate: Terphenyl-d14	92%			9071105	9071105-BLK1	07/10/09 16:35
Surrogate: 2-Fluorobiphenyl	80%			9071105	9071105-BLK1	07/10/09 16:35
Surrogate: Nitrobenzene-d5	80%			9071105	9071105-BLK1	07/10/09 16:35

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9071822-DUP1										
% Dry Solids	78.6	77.3		%	2	20	9071822	NSG0845-08		07/16/09 09:06

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
9070447-BS1								
Benzene	50.0	57.9		ug/kg	116%	78 - 126	9070447	07/07/09 23:59
Ethylbenzene	50.0	50.2		ug/kg	100%	79 - 130	9070447	07/07/09 23:59
Naphthalene	50.0	52.9		ug/kg	106%	72 - 150	9070447	07/07/09 23:59
Toluene	50.0	52.8		ug/kg	106%	76 - 126	9070447	07/07/09 23:59
Xylenes, total	150	159		ug/kg	106%	80 - 130	9070447	07/07/09 23:59
Surrogate: 1,2-Dichloroethane-d4	50.0	55.6			111%	67 - 138	9070447	07/07/09 23:59
Surrogate: Dibromofluoromethane	50.0	50.4			101%	75 - 125	9070447	07/07/09 23:59
Surrogate: Toluene-d8	50.0	50.3			101%	76 - 129	9070447	07/07/09 23:59
Surrogate: 4-Bromofluorobenzene	50.0	50.4			101%	67 - 147	9070447	07/07/09 23:59
9070955-BS1								
Benzene	50.0	49.0		ug/kg	98%	78 - 126	9070955	07/08/09 11:08
Ethylbenzene	50.0	49.4		ug/kg	99%	79 - 130	9070955	07/08/09 11:08
Naphthalene	50.0	65.7		ug/kg	131%	72 - 150	9070955	07/08/09 11:08
Toluene	50.0	47.8		ug/kg	96%	76 - 126	9070955	07/08/09 11:08
Xylenes, total	150	151		ug/kg	100%	80 - 130	9070955	07/08/09 11:08
Surrogate: 1,2-Dichloroethane-d4	50.0	61.5			123%	67 - 138	9070955	07/08/09 11:08
Surrogate: Dibromofluoromethane	50.0	56.4			113%	75 - 125	9070955	07/08/09 11:08
Surrogate: Toluene-d8	50.0	50.5			101%	76 - 129	9070955	07/08/09 11:08
Surrogate: 4-Bromofluorobenzene	50.0	48.2			96%	67 - 147	9070955	07/08/09 11:08
Polyaromatic Hydrocarbons by EPA 8270D								
9071105-BS1								
Acenaphthene	1.67	1.39		mg/kg wet	83%	49 - 120	9071105	07/10/09 16:57
Acenaphthylene	1.67	1.39		mg/kg wet	84%	52 - 120	9071105	07/10/09 16:57
Anthracene	1.67	1.56		mg/kg wet	93%	58 - 120	9071105	07/10/09 16:57
Benzo (a) anthracene	1.67	1.49		mg/kg wet	89%	57 - 120	9071105	07/10/09 16:57
Benzo (a) pyrene	1.67	1.51		mg/kg wet	91%	55 - 120	9071105	07/10/09 16:57
Benzo (b) fluoranthene	1.67	1.58		mg/kg wet	95%	51 - 123	9071105	07/10/09 16:57
Benzo (g,h,i) perylene	1.67	1.34		mg/kg wet	80%	49 - 121	9071105	07/10/09 16:57
Benzo (k) fluoranthene	1.67	1.39		mg/kg wet	83%	42 - 129	9071105	07/10/09 16:57
Chrysene	1.67	1.46		mg/kg wet	87%	55 - 120	9071105	07/10/09 16:57
Dibenz (a,h) anthracene	1.67	1.44		mg/kg wet	86%	50 - 123	9071105	07/10/09 16:57
Fluoranthene	1.67	1.55		mg/kg wet	93%	58 - 120	9071105	07/10/09 16:57
Fluorene	1.67	1.43		mg/kg wet	86%	54 - 120	9071105	07/10/09 16:57
Indeno (1,2,3-cd) pyrene	1.67	1.41		mg/kg wet	84%	50 - 122	9071105	07/10/09 16:57
Naphthalene	1.67	1.15		mg/kg wet	69%	28 - 107	9071105	07/10/09 16:57
Phenanthrene	1.67	1.42		mg/kg wet	85%	56 - 120	9071105	07/10/09 16:57
Pyrene	1.67	1.47		mg/kg wet	88%	56 - 120	9071105	07/10/09 16:57
1-Methylnaphthalene	1.67	1.12		mg/kg wet	67%	36 - 120	9071105	07/10/09 16:57
2-Methylnaphthalene	1.67	1.14		mg/kg wet	69%	36 - 120	9071105	07/10/09 16:57

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

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								
9071105-BS1								
Surrogate: Terphenyl-d14	1.67	1.36			82%	18 - 120	9071105	07/10/09 16:57
Surrogate: 2-Fluorobiphenyl	1.67	1.23			74%	14 - 120	9071105	07/10/09 16:57
Surrogate: Nitrobenzene-d5	1.67	1.07			64%	17 - 120	9071105	07/10/09 16:57

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

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
Selected Volatile Organic Compounds by EPA Method 8260B												
9070447-BSD1												
Benzene		46.6		ug/kg	50.0	93%	78 - 126	22	50	9070447		07/08/09 00:29
Ethylbenzene		43.4		ug/kg	50.0	87%	79 - 130	14	50	9070447		07/08/09 00:29
Naphthalene		42.0		ug/kg	50.0	84%	72 - 150	23	50	9070447		07/08/09 00:29
Toluene		48.6		ug/kg	50.0	97%	76 - 126	8	50	9070447		07/08/09 00:29
Xylenes, total		141		ug/kg	150	94%	80 - 130	12	50	9070447		07/08/09 00:29
Surrogate: 1,2-Dichloroethane-d4		52.2		ug/kg	50.0	104%	67 - 138			9070447		07/08/09 00:29
Surrogate: Dibromofluoromethane		50.9		ug/kg	50.0	102%	75 - 125			9070447		07/08/09 00:29
Surrogate: Toluene-d8		55.9		ug/kg	50.0	112%	76 - 129			9070447		07/08/09 00:29
Surrogate: 4-Bromofluorobenzene		50.8		ug/kg	50.0	102%	67 - 147			9070447		07/08/09 00:29
9070955-BSD1												
Benzene		49.3		ug/kg	50.0	99%	78 - 126	0.5	50	9070955		07/08/09 11:39
Ethylbenzene		49.0		ug/kg	50.0	98%	79 - 130	0.9	50	9070955		07/08/09 11:39
Naphthalene		65.7		ug/kg	50.0	131%	72 - 150	0.05	50	9070955		07/08/09 11:39
Toluene		47.4		ug/kg	50.0	95%	76 - 126	0.9	50	9070955		07/08/09 11:39
Xylenes, total		150		ug/kg	150	100%	80 - 130	0.5	50	9070955		07/08/09 11:39
Surrogate: 1,2-Dichloroethane-d4		61.9		ug/kg	50.0	124%	67 - 138			9070955		07/08/09 11:39
Surrogate: Dibromofluoromethane		57.7		ug/kg	50.0	115%	75 - 125			9070955		07/08/09 11:39
Surrogate: Toluene-d8		50.7		ug/kg	50.0	101%	76 - 129			9070955		07/08/09 11:39
Surrogate: 4-Bromofluorobenzene		47.9		ug/kg	50.0	96%	67 - 147			9070955		07/08/09 11:39

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
9070955-MS1										
Benzene	ND	1.99		mg/kg wet	2.77	72%	42 - 141	9070955	NSG0285-06RE1	07/08/09 20:40
Ethylbenzene	ND	2.08		mg/kg wet	2.77	75%	21 - 165	9070955	NSG0285-06RE1	07/08/09 20:40
Naphthalene	ND	2.00		mg/kg wet	2.77	72%	10 - 160	9070955	NSG0285-06RE1	07/08/09 20:40
Toluene	ND	2.03		mg/kg wet	2.77	73%	45 - 145	9070955	NSG0285-06RE1	07/08/09 20:40
Xylenes, total	0.0782	6.37		mg/kg wet	8.31	76%	31 - 159	9070955	NSG0285-06RE1	07/08/09 20:40
Surrogate: 1,2-Dichloroethane-d4		39.2		ug/kg	50.0	78%	67 - 138	9070955	NSG0285-06RE1	07/08/09 20:40
Surrogate: Dibromofluoromethane		42.5		ug/kg	50.0	85%	75 - 125	9070955	NSG0285-06RE1	07/08/09 20:40
Surrogate: Toluene-d8		48.4		ug/kg	50.0	97%	76 - 129	9070955	NSG0285-06RE1	07/08/09 20:40
Surrogate: 4-Bromofluorobenzene		49.7		ug/kg	50.0	99%	67 - 147	9070955	NSG0285-06RE1	07/08/09 20:40
Polyaromatic Hydrocarbons by EPA 8270D										
9071105-MS1										
Acenaphthene	ND	1.86		mg/kg dry	2.12	88%	42 - 120	9071105	NSG0282-05	07/10/09 17:18
Acenaphthylene	ND	1.87		mg/kg dry	2.12	88%	32 - 120	9071105	NSG0282-05	07/10/09 17:18
Anthracene	ND	2.06		mg/kg dry	2.12	97%	10 - 200	9071105	NSG0282-05	07/10/09 17:18
Benzo (a) anthracene	ND	1.99		mg/kg dry	2.12	94%	41 - 120	9071105	NSG0282-05	07/10/09 17:18
Benzo (a) pyrene	ND	2.00		mg/kg dry	2.12	94%	33 - 121	9071105	NSG0282-05	07/10/09 17:18
Benzo (b) fluoranthene	ND	2.08		mg/kg dry	2.12	98%	26 - 137	9071105	NSG0282-05	07/10/09 17:18
Benzo (g,h,i) perylene	ND	1.78		mg/kg dry	2.12	84%	21 - 124	9071105	NSG0282-05	07/10/09 17:18
Benzo (k) fluoranthene	ND	1.93		mg/kg dry	2.12	91%	14 - 140	9071105	NSG0282-05	07/10/09 17:18
Chrysene	ND	1.94		mg/kg dry	2.12	91%	28 - 123	9071105	NSG0282-05	07/10/09 17:18
Dibenz (a,h) anthracene	ND	1.92		mg/kg dry	2.12	90%	25 - 127	9071105	NSG0282-05	07/10/09 17:18
Fluoranthene	ND	2.17		mg/kg dry	2.12	102%	38 - 120	9071105	NSG0282-05	07/10/09 17:18
Fluorene	ND	1.99		mg/kg dry	2.12	94%	41 - 120	9071105	NSG0282-05	07/10/09 17:18
Indeno (1,2,3-cd) pyrene	ND	1.86		mg/kg dry	2.12	88%	25 - 123	9071105	NSG0282-05	07/10/09 17:18
Naphthalene	ND	1.52		mg/kg dry	2.12	72%	25 - 120	9071105	NSG0282-05	07/10/09 17:18
Phenanthrene	ND	1.93		mg/kg dry	2.12	91%	37 - 120	9071105	NSG0282-05	07/10/09 17:18
Pyrene	ND	2.00		mg/kg dry	2.12	94%	29 - 125	9071105	NSG0282-05	07/10/09 17:18
1-Methylnaphthalene	ND	1.49		mg/kg dry	2.12	70%	19 - 120	9071105	NSG0282-05	07/10/09 17:18
2-Methylnaphthalene	ND	1.55		mg/kg dry	2.12	73%	11 - 120	9071105	NSG0282-05	07/10/09 17:18
Surrogate: Terphenyl-d14		1.90		mg/kg dry	2.12	90%	18 - 120	9071105	NSG0282-05	07/10/09 17:18
Surrogate: 2-Fluorobiphenyl		1.66		mg/kg dry	2.12	78%	14 - 120	9071105	NSG0282-05	07/10/09 17:18
Surrogate: Nitrobenzene-d5		1.36		mg/kg dry	2.12	64%	17 - 120	9071105	NSG0282-05	07/10/09 17:18

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

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										

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSG0282
	I0179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

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
Selected Volatile Organic Compounds by EPA Method 8260B												
9070955-MSD1												
Benzene	ND	2.07		mg/kg wet	2.77	75%	42 - 141	4	50	9070955	NSG0285-06RE1	07/08/09 21:11
Ethylbenzene	ND	2.12		mg/kg wet	2.77	76%	21 - 165	2	50	9070955	NSG0285-06RE1	07/08/09 21:11
Naphthalene	ND	2.12		mg/kg wet	2.77	77%	10 - 160	6	50	9070955	NSG0285-06RE1	07/08/09 21:11
Toluene	ND	2.05		mg/kg wet	2.77	74%	45 - 145	1	50	9070955	NSG0285-06RE1	07/08/09 21:11
Xylenes, total	0.0782	6.41		mg/kg wet	8.31	76%	31 - 159	0.5	50	9070955	NSG0285-06RE1	07/08/09 21:11
Surrogate: 1,2-Dichloroethane-d4		39.9		ug/kg	50.0	80%	67 - 138			9070955	NSG0285-06RE1	07/08/09 21:11
Surrogate: Dibromofluoromethane		43.6		ug/kg	50.0	87%	75 - 125			9070955	NSG0285-06RE1	07/08/09 21:11
Surrogate: Toluene-d8		47.8		ug/kg	50.0	96%	76 - 129			9070955	NSG0285-06RE1	07/08/09 21:11
Surrogate: 4-Bromofluorobenzene		49.6		ug/kg	50.0	99%	67 - 147			9070955	NSG0285-06RE1	07/08/09 21:11
Polyaromatic Hydrocarbons by EPA 8270D												
9071105-MSD1												
Acenaphthene	ND	1.35		mg/kg dry	2.10	64%	42 - 120	32	40	9071105	NSG0282-05	07/10/09 17:40
Acenaphthylene	ND	1.34	R	mg/kg dry	2.10	64%	32 - 120	33	30	9071105	NSG0282-05	07/10/09 17:40
Anthracene	ND	1.59		mg/kg dry	2.10	76%	10 - 200	26	50	9071105	NSG0282-05	07/10/09 17:40
Benzo (a) anthracene	ND	1.51		mg/kg dry	2.10	72%	41 - 120	27	30	9071105	NSG0282-05	07/10/09 17:40
Benzo (a) pyrene	ND	1.50		mg/kg dry	2.10	72%	33 - 121	28	33	9071105	NSG0282-05	07/10/09 17:40
Benzo (b) fluoranthene	ND	1.40		mg/kg dry	2.10	67%	26 - 137	39	42	9071105	NSG0282-05	07/10/09 17:40
Benzo (g,h,i) perylene	ND	1.31		mg/kg dry	2.10	63%	21 - 124	30	32	9071105	NSG0282-05	07/10/09 17:40
Benzo (k) fluoranthene	ND	1.59		mg/kg dry	2.10	76%	14 - 140	20	39	9071105	NSG0282-05	07/10/09 17:40
Chrysene	ND	1.47		mg/kg dry	2.10	70%	28 - 123	27	34	9071105	NSG0282-05	07/10/09 17:40
Dibenz (a,h) anthracene	ND	1.42		mg/kg dry	2.10	68%	25 - 127	30	31	9071105	NSG0282-05	07/10/09 17:40
Fluoranthene	ND	1.62		mg/kg dry	2.10	77%	38 - 120	29	35	9071105	NSG0282-05	07/10/09 17:40
Fluorene	ND	1.43		mg/kg dry	2.10	68%	41 - 120	33	37	9071105	NSG0282-05	07/10/09 17:40
Indeno (1,2,3-cd) pyrene	ND	1.37		mg/kg dry	2.10	65%	25 - 123	31	32	9071105	NSG0282-05	07/10/09 17:40
Naphthalene	ND	1.10		mg/kg dry	2.10	53%	25 - 120	32	42	9071105	NSG0282-05	07/10/09 17:40
Phenanthrene	ND	1.46		mg/kg dry	2.10	70%	37 - 120	28	32	9071105	NSG0282-05	07/10/09 17:40
Pyrene	ND	1.51		mg/kg dry	2.10	72%	29 - 125	28	40	9071105	NSG0282-05	07/10/09 17:40
1-Methylnaphthalene	ND	1.05		mg/kg dry	2.10	50%	19 - 120	35	45	9071105	NSG0282-05	07/10/09 17:40
2-Methylnaphthalene	ND	1.14		mg/kg dry	2.10	54%	11 - 120	31	50	9071105	NSG0282-05	07/10/09 17:40
Surrogate: Terphenyl-d14		1.48		mg/kg dry	2.10	71%	18 - 120			9071105	NSG0282-05	07/10/09 17:40
Surrogate: 2-Fluorobiphenyl		1.16		mg/kg dry	2.10	55%	14 - 120			9071105	NSG0282-05	07/10/09 17:40
Surrogate: Nitrobenzene-d5		1.01		mg/kg dry	2.10	48%	17 - 120			9071105	NSG0282-05	07/10/09 17:40

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:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

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:	NSG0282
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/09 08:00

DATA QUALIFIERS AND DEFINITIONS

E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
S10	Insufficient sample available for reanalysis.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

NSG0282
07/20/09 23:59

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No _

Enforcement Action? Yes ____ No _

Client Name/Account #: EEG # 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) Drath Shaw

Sampler Signature:

Site State: SC

PO#: 0829

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270C									RUSH TAT (Pre-Scheduled)
1170 JASMINE	6/29/09	1035	5				2						2	1					X		3	2					NSG0282-01				
480 LAUREL BAY	6/29/09	1430	5				2						2	1					X		3	2						02			
484 LAUREL BAY	6/29/09	1440	5				2						2	1					X		3	2						03			
492 LAUREL BAY	6/30/09	1020	5				2						2	1					X		3	2						04			
488 LAUREL BAY	6/30/09	0945	5				2						2	1					X		3	2						05			
504 LAUREL BAY	6/30/09	1430	5				2						2	1					X		3	2						06			
500 LAUREL BAY	6/30/09	1400	5				2						2	1					X		3	2						07			

Special Instructions:

Laboratory Comments:
Temperature Upon Receipt: 4.6°C
VOCs Free of Headspace? Y

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	7/2/09	1900	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				7.3.09	0800

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MCAS, Beaufort
Laurel Bay Housing
Beaufort SC 29904

4. Generator's Phone 843 228-6460

A. Manifest Number WMNA 10805476

B. State Generator's ID

5. Transporter 1 Company Name: EEG, Inc.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 843 879-0411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
ROUTE 1, BOX 121
RIDGELAND SC 29936

10. US EPA ID Number

G. State Facility's ID

H. Facility's 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 Tank filled with Sand WM Profile # 1026558C	001		8.07	TN	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
1000 GAL UST's from HOUSES
1) 1162 JASMINE
2) 1168 JASMINE
3) 1170 JASMINE ✓
4) 480 LAUREL BAY
5) 484 LAUREL BAY
6) 492 LAUREL BAY
7) 488 LAUREL BAY

Purchase Order #

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 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/Typed Name: D.S. Dukes Jr. | Signature "On behalf of" | Month Day Year: 05 05 97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joseph Weston | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed 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/Typed Name: Jan Collins | Signature | Month Day Year: 05 06 97

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QE21004-001**
Description: **BEALB1170TW01WG20150519**
Matrix: **Aqueous**
Date Sampled: **05/19/2015 1550**
Date Received: **05/21/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/22/2015 1530	ALL		75625

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**2.0**	**J**	**5.0**	**0.17**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**7.6**		**5.0**	**0.32**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		5.0	0.16	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**1.4**	**J**	**5.0**	**0.19**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		91	75-120
1,2-Dichloroethane-d4		92	70-120
Toluene-d8		97	85-120
Dibromofluoromethane		87	85-115

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

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

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QE21004-001**
Description: **BEALB1170TW01WG20150519**
Matrix: **Aqueous**
Date Sampled: **05/19/2015 1550**
Date Received: **05/21/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	05/27/2015 1632	RBH	05/26/2015 1543	75778

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		75	15-139
Fluoranthene-d10		60	23-154

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

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Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

May 15, 2014

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

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

Dear Mr. Drawdy,

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

The Department has reviewed the referenced assessment reports. The submitted analytical results indicate that petroleum constituents are above established Risk-Based Screening Levels and additional investigation is warranted. Specifically, the Department requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at this site.

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

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

Sincerely,

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

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

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

Laurel Bay Underground Storage Tank Assessment Reports for: (121 addresses/139 tanks)

137 Laurel Bay Tank 2	387 Acorn
139 Laurel Bay	392 Acorn Tank 2
229 Cypress Tank 2	396 Acorn Tank 1
261 Beech Tank 1	396 Acorn Tank 2
261 Beech Tank 3	430 Elderberry
273 Birch Tank 1	433 Elderberry
273 Birch Tank 2	439 Elderberry
273 Birch Tank 3	440 Elderberry
276 Birch Tank 2	442 Elderberry
278 Birch Tank 2	443 Elderberry
291 Birch Tank 2	444 Elderberry Tank 1
300 Ash	445 Elderberry
304 Ash	446 Elderberry
314 Ash Tank 1	448 Elderberry
314 Ash Tank 2	449 Elderberry
322 Ash Tank 2	451 Elderberry
323 Ash	453 Elderberry
324 Ash	456 Elderberry Tank 1
325 Ash Tank 1	456 Elderberry Tank 2
325 Ash Tank 2	458 Elderberry Tank 1
326 Ash	458 Elderberry Tank 3
336 Ash	464 Dogwood
339 Ash	466 Dogwood
343 Ash Tank 1	467 Dogwood
344 Ash Tank 1	468 Dogwood
348 Ash	469 Dogwood
349 Ash Tank 1	471 Dogwood Tank 2
353 Ash Tank 1	471 Dogwood Tank 3
362 Aspen	475 Dogwood Tank 1
376 Aspen	475 Dogwood Tank 2
380 Aspen	516 Laurel Bay Tank 1 (UST#03747)
383 Aspen Tank 2	518 Laurel Bay

Laurel Bay Underground Storage Tank Assessment Reports for: (121 addresses/139 tanks) cont.

531 Laurel Bay	1219 Cardinal
532 Laurel Bay	1272 Albatross
635 Dahlia Tank 2	1305 Eagle
638 Dahlia	1353 Cardinal
640 Dahlia Tank 1	1356 Cardinal
640 Dahlia Tank 2	1357 Cardinal
645 Dahlia	1359 Cardinal
647 Dahlia	1360 Cardinal
648 Dahlia Tank 2	1361 Cardinal
650 Dahlia Tank 1	1368 Cardinal
650 Dahlia Tank 2	1370 Cardinal Tank 1
652 Dahlia Tank 1	1377 Dove
652 Dahlia Tank 2	1381 Dove
760 Althea	1382 Dove
763 Althea	1384 Dove
771 Althea	1385 Dove
927 Albacore	1389 Dove
1015 Foxglove	1391 Dove
1046 Gardenia	1392 Dove
1062 Gardenia Tank 2	1393 Dove Tank 1
1070 Heather	1393 Dove Tank 2
1072 Heather	1406 Eagle
1102 Iris Tank 1	1407 Eagle Tank 1
1107 Iris	1411 Eagle Tank 1
1126 Iris	1411 Eagle Tank 2
1129 Iris	1412 Eagle
1132 Iris	1413 Albatross
1133 Iris Tank 1	1414 Albatross
1138 Iris	1422 Albatross
1144 Iris Tank 1	1425 Albatross
1144 Iris Tank 2	1426 Albatross
1148 Iris Tank 1	1432 Dove
1148 Iris Tank 2	1434 Dove
1161 Jasmine	1436 Dove
1167 Jasmine	1438 Dove Tank 1
1170 Jasmine	1440 Dove
1190 Bobwhite	1442 Dove Tank 1
1192 Bobwhite	

D H E C
PROMOTE PROTECT PROSPER

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

Division of Waste Management
Bureau of Land and Waste Management

February 22, 2016

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

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

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the addresses attached. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

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

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

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

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

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

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

Draft Final Initial Groundwater Investigation Report for (143 addresses)

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

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