# SUMMARY REPORT
# 91 COBIA DRIVE (FORMERLY 876 COBIA 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
10560 Arrowhead Drive, Suite 500
Fairfax, Virginia 22030

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

# Table of Contents



## Table



## Appendices

## List of Acronyms

| | |
|---|---|
| bgs | below ground surface |
| BTEX | benzene, toluene, ethylbenzene, and xylenes |
| CTO | Contract Task Order |
| COPC | constituents of potential concern |
| IDIQ | Indefinite Delivery, Indefinite Quantity |
| IGWA | Initial Groundwater Assessment |
| JV | Joint Venture |
| LBMH | Laurel Bay Military Housing |
| MCAS | Marine Corps Air Station |
| NAVFAC Mid-Lant | Naval Facilities Engineering Command Mid-Atlantic |
| NFA | No Further Action |
| PAH | polynuclear aromatic hydrocarbon |
| QAPP | Quality Assurance Program Plan |
| RBSL | risk-based screening level |
| SCDHEC | South Carolina Department of Health and Environmental Control |
| Site | LBMH area at MCAS Beaufort, South Carolina |
| UST | underground storage tank |
| VISL | vapor intrusion screening level |

## 1.0 INTRODUCTION

The CDM - AECOM Multimedia Joint Venture (JV) was contracted by the Naval Facilities Engineering Command, Mid-Atlantic (NAVFAC Mid-Lant) to provide reporting services for the heating oil underground storage tanks (USTs) located in Laurel Bay Military Housing (LBMH) area at the Marine Corps Air Station (MCAS) Beaufort, South Carolina (Site). This work has been awarded under Contract Task Order (CTO) WE52 of the Indefinite Delivery, Indefinite Quantity (IDIQ) Multimedia Environmental Compliance Contract (Contract No. N62470-14-D-9016).

As of January 2014, the LBMH addresses were re-numbered to comply with the E-911 emergency response addressing system; however, in order to remain consistent with historical sampling and reporting for LBMH area, the residences will continue to be referenced with their original address numbers in sample nomenclature and reporting documents.

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 91 Cobia Drive (Formerly 876 Cobia 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 91 Cobia Drive (Formerly 876 Cobia Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 876 Cobia Drive* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix B.

### 2.1 UST Removal and Soil Sampling

On November 29, 2010, a single 280 gallon heating oil UST was removed from the front yard adjacent to the porch area at 91 Cobia Drive (Formerly 876 Cobia Drive). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 6'1" 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 91 Cobia Drive (Formerly 876 Cobia Drive) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

# 3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 91 Cobia Drive (Formerly 876 Cobia Drive). This NFA determination was obtained in a letter dated July 7, 2011. SCDHEC's NFA letter is provided in Appendix C.

# 4.0 REFERENCES

Marine Corps Air Station Beaufort, 2010. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 876 Cobia Drive, Laurel Bay Military Housing Area*, February 2011.

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

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

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

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

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

**Table**

**Table 1**
**Laboratory Analytical Results - Soil**
**91 Cobia Drive (Formerly 876 Cobia Drive)**
**Laurel Bay Military Housing Area**
**Marine Corps Air Station Beaufort**
**Beaufort, South Carolina**

| Constituent | SCDHEC RBSLs [1] | Results Sample Collected 11/29/10 |
|---|---|---|
| **Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)** | | |
| Benzene | 0.003 | ND |
| Ethylbenzene | 1.15 | ND |
| Naphthalene | 0.036 | ND |
| Toluene | 0.627 | ND |
| Xylenes, Total | 13.01 | ND |
| **Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)** | | |
| Benzo(a)anthracene | 0.66 | ND |
| Benzo(b)fluoranthene | 0.66 | ND |
| Benzo(k)fluoranthene | 0.66 | ND |
| Chrysene | 0.66 | ND |
| Dibenz(a,h)anthracene | 0.66 | ND |

**Notes:**

[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 and 1.1 (SCDHEC, May 2001 and SCDHEC, February 2011) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligram per kilogram

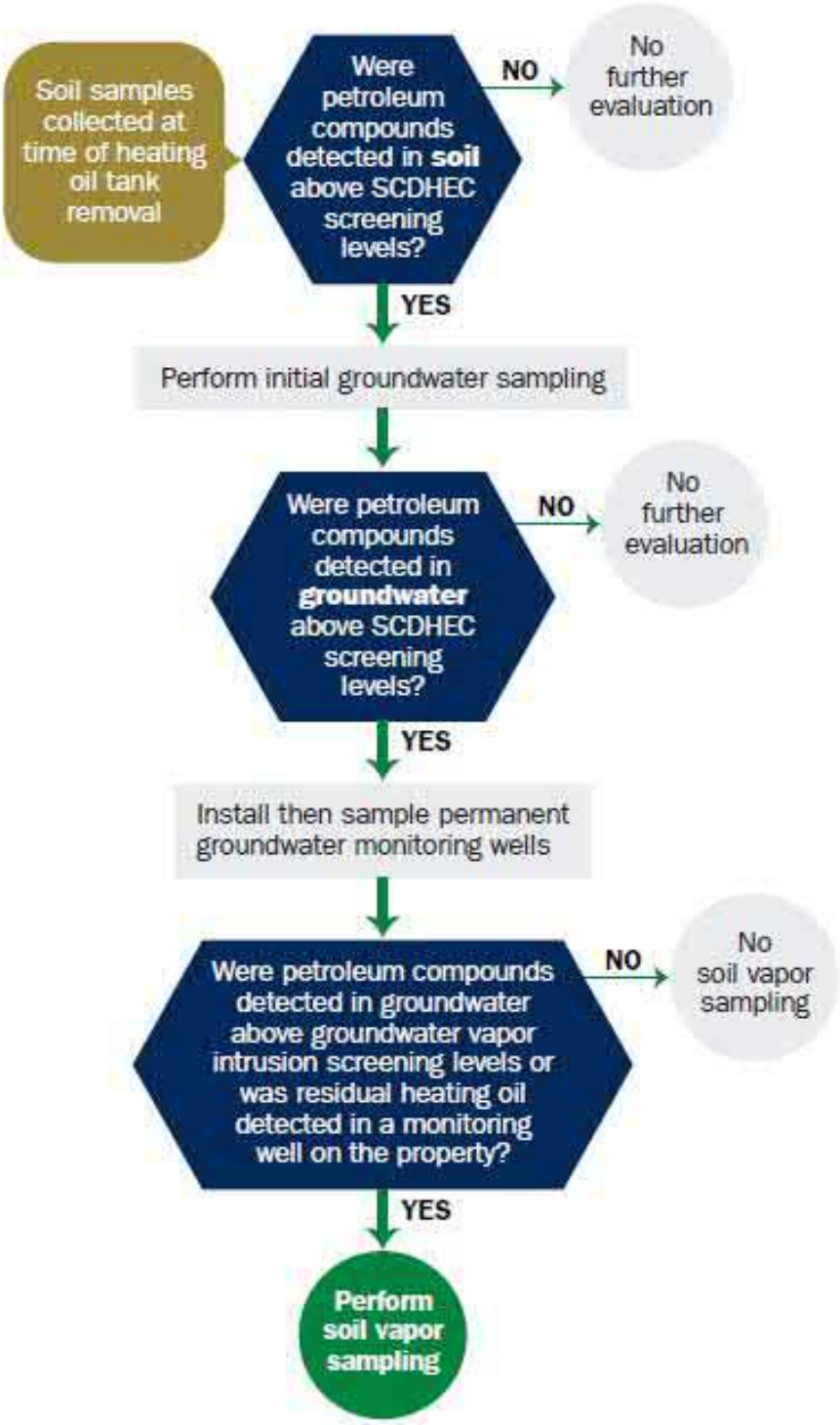
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

**Appendix A**
**Multi-Media Selection Process for LBMH**

CDM - AECOM
Multimedia Joint Venture




## Appendix A - Multi-Media Selection Process for LBMH

**Appendix B**
**UST Assessment 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

876 Cobia Lane, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

| Beaufort, | Beaufort |
|---|---|
| City | County |

Attachment 2

## III. INSURANCE INFORMATION

### Insurance Statement

The petroleum release reported to DHEC on _____ at Permit ID Number _____ may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. **This section must be completed.**

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES**____ **NO**_____ (check one)

If you answered **YES** to the above question, please complete the following information:

My policy provider is:_____
The policy deductible is: _____
The policy limit is: _____

If you have this type of insurance, please include a copy of the policy with this report.

## IV. REQUEST FOR SUPERB FUNDING

I **DO** / DO **NOT** wish to participate in the SUPERB Program. (Circle one.)

## V. CERTIFICATION (To be signed by the UST owner)

**I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.**

_____
Name (Type or print.)

_____
Signature

### To be completed by Notary Public:

Sworn before me this _____ day of_____, 20____

_____
(Name)

Notary Public for the state of_____.
*Please affix State seal if you are commissioned outside South Carolina*

## VI. UST INFORMATION

| | | | | |
|---|---|---|---|---|
| 876Cobia | | | | |
| Heating oil | | | | |
| 280 gal | | | | |
| Late 1950s | | | | |
| Steel | | | | |
| Mid 1980s | | | | |
| 6'1" | | | | |
| No | | | | |
| No | | | | |
| Removed | | | | |
| 11/29/10 | | | | |
| 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 876Cobia 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)
The tank 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

| | | | | |
|---|---|---|---|---|
| 876Cobia | | | | |
| 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?<br><br>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?<br><br>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?<br><br>If yes, how far below land surface (indicate location and depth)? | | X | |
| D. Did contaminated soils remain stockpiled on site after closure?<br><br>If yes, indicate the stockpile location on the site map.<br><br>Name of DHEC representative authorizing soil removal: | | X | |
| E. Was a petroleum sheen or free product detected on any excavation or boring waters?<br><br>If yes, indicate location and thickness. | | X | |

# X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

| Sample # | Location | Sample Type (Soil/Water) | Soil Type (Sand/Clay) | Depth* | Date/Time of Collection | Collected by | OVA # |
|---|---|---|---|---|---|---|---|
| 876Cobia | Excav at fill end | Soil | Sandy | 6'1" | 11/29/10 1415 hrs | P. Shaw | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
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| 14 | | | | | | | |
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| 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?<br><br>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?<br><br>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?<br><br>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?<br>*Sewer and water<br>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?<br><br>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.**

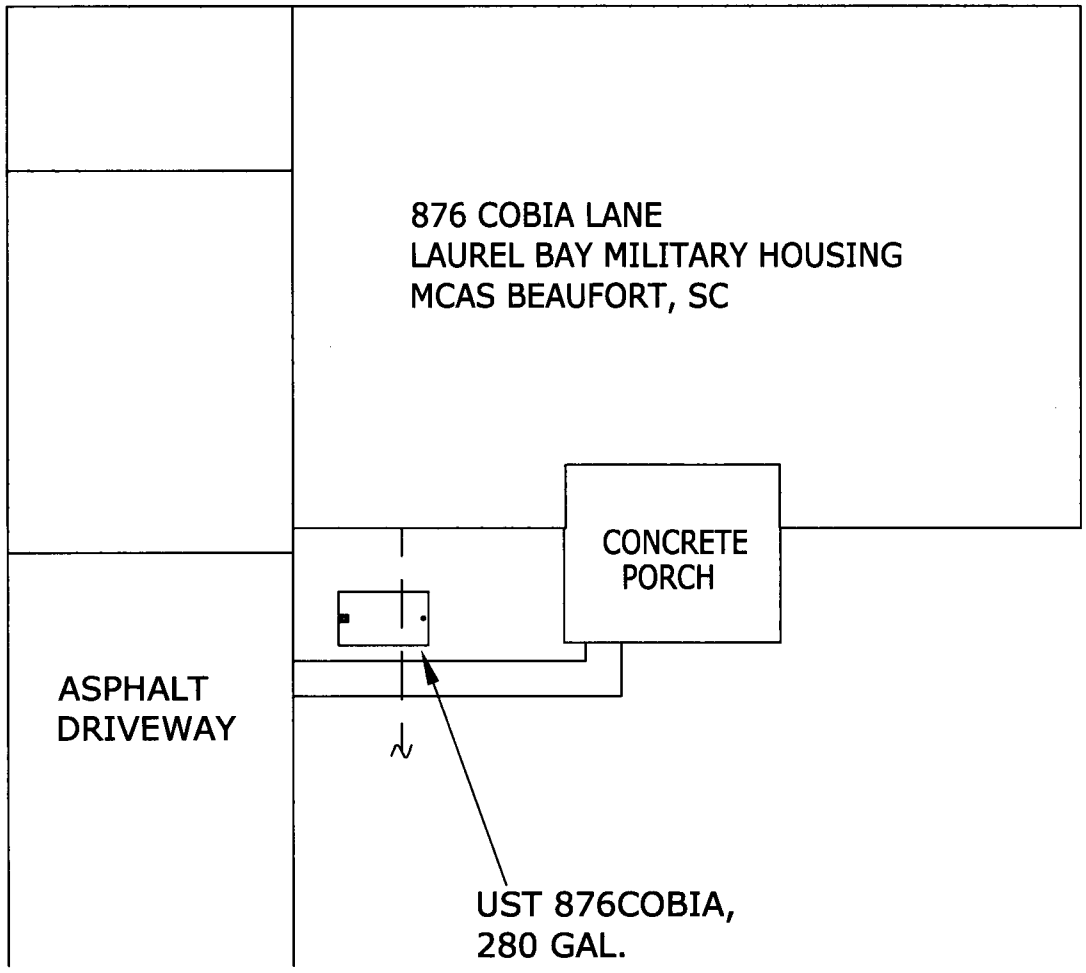
(Attach Site Map Here)


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

Drawn By: L. DiAsio

Dwg Date: DEC 2010

FIGURE 1: LOCATION MAP
876 COBIA LANE
LAUREL BAY, BEAUFORT SC




GRAPHIC SCALE

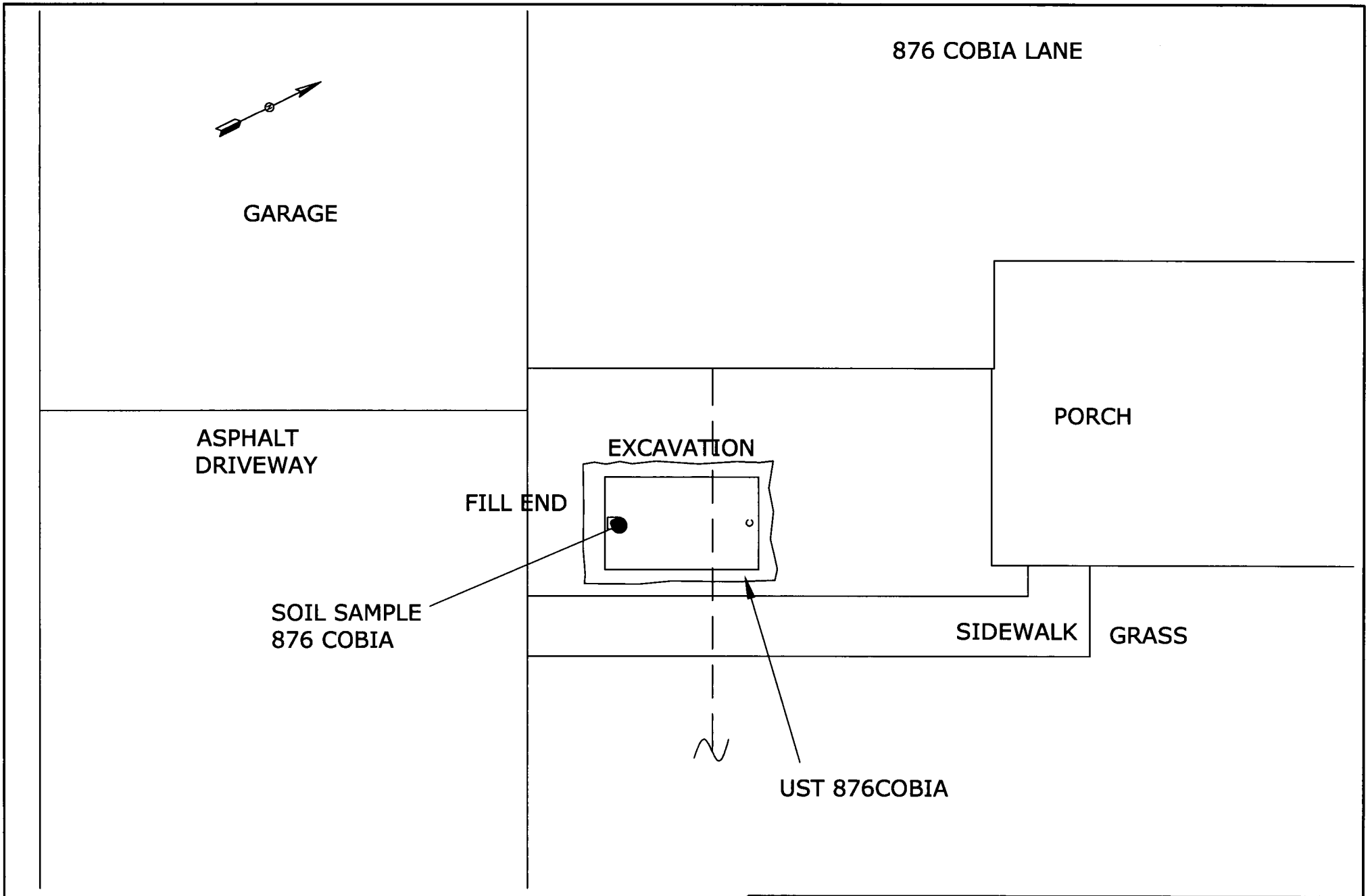
0 5' 10' 20'

**SBG-EEG**

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

FIGURE 2 SITE MAP
876 COBIA LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2010




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

FIGURE 3 UST SAMPLE LOCATIONS
876 COBIA LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2010

Picture 1: Location of UST 876Cobia.

Picture 2: UST 876Cobia.

## 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 | 876Cobia | | | | | | |
|---|---|---|---|---|---|---|---|
| **Benzene** | ND | | | | | | |
| **Toluene** | ND | | | | | | |
| **Ethylbenzene** | ND | | | | | | |
| **Xylenes** | ND | | | | | | |
| **Naphthalene** | ND | | | | | | |
| **Benzo (a) anthracene** | ND | | | | | | |
| **Benzo (b) fluoranthene** | ND | | | | | | |
| **Benzo (k) fluoranthene** | ND | | | | | | |
| **Chrysene** | ND | | | | | | |
| **Dibenz (a, h) anthracene** | ND | | | | | | |
| **TPH (EPA 3550)** | | | | | | | |

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

## SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

## XV. ANALYTICAL RESULTS

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

December 13, 2010 3:37:03PM

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

Work Order: NTL0689
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1005
Date Received: 12/04/10

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| 876 Cobia | NTL0689-01 | 11/29/10 14:15 |
| 882 Cobia | NTL0689-02 | 11/30/10 10:30 |
| 884 Cobia | NTL0689-03 | 11/30/10 14:45 |
| 892 Cobia | NTL0689-04 | 12/01/10 12:30 |
| 887 Cobia | NTL0689-05 | 12/01/10 16:15 |
| 885 Cobia | NTL0689-06 | 12/02/10 11:45 |
| 881 Cobia | NTL0689-07 | 12/02/10 16:00 |

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.



South Carolina Certification Number: 84009

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:

Roxanne L. Connor

Roxanne Connor

Program Manager - Conventional Accounts

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NTL0689-01 (876 Cobia - Soil) Sampled: 11/29/10 14:15** | | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | | |
| % Dry Solids | 92.4 | | % | 0.500 | 0.500 | 1 | 12/08/10 09:58 | SW-846 | HLB | 10L1490 |
| Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00129 | 0.00235 | 1 | 12/08/10 17:44 | SW846 8260B | KKK | 10L1758 |
| Ethylbenzene | ND | | mg/kg dry | 0.00115 | 0.00235 | 1 | 12/08/10 17:44 | SW846 8260B | KKK | 10L1758 |
| Naphthalene | ND | | mg/kg dry | 0.00199 | 0.00587 | 1 | 12/08/10 17:44 | SW846 8260B | KKK | 10L1758 |
| Toluene | ND | | mg/kg dry | 0.00104 | 0.00235 | 1 | 12/08/10 17:44 | SW846 8260B | KKK | 10L1758 |
| Xylenes, total | ND | | mg/kg dry | 0.00223 | 0.00587 | 1 | 12/08/10 17:44 | SW846 8260B | KKK | 10L1758 |
| *Surr: 1,2-Dichloroethane-d4 (67-138%)* | *88 %* | | | | | *1* | *12/08/10 17:44* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Dibromofluoromethane (75-125%)* | *97 %* | | | | | *1* | *12/08/10 17:44* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Toluene-d8 (76-129%)* | *96 %* | | | | | *1* | *12/08/10 17:44* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: 4-Bromofluorobenzene (67-147%)* | *109 %* | | | | | *1* | *12/08/10 17:44* | *SW846 8260B* | *KKK* | *10L1758* |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0150 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Acenaphthylene | ND | | mg/kg dry | 0.0215 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Anthracene | ND | | mg/kg dry | 0.00967 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0118 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.00860 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0408 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.00967 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0398 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Chrysene | ND | | mg/kg dry | 0.0333 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0161 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Fluoranthene | ND | | mg/kg dry | 0.0118 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Fluorene | ND | | mg/kg dry | 0.0215 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0333 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Naphthalene | ND | | mg/kg dry | 0.0150 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Phenanthrene | ND | | mg/kg dry | 0.0107 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| Pyrene | ND | | mg/kg dry | 0.0247 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0129 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0226 | 0.0720 | 1 | 12/08/10 13:58 | SW846 8270D | KJP | 10L1328 |
| *Surr: Terphenyl-d14 (18-120%)* | *69 %* | | | | | *1* | *12/08/10 13:58* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: 2-Fluorobiphenyl (14-120%)* | *59 %* | | | | | *1* | *12/08/10 13:58* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: Nitrobenzene-d5 (17-120%)* | *72 %* | | | | | *1* | *12/08/10 13:58* | *SW846 8270D* | *KJP* | *10L1328* |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NTL0689-02 (882 Cobia - Soil) Sampled: 11/30/10 10:30** | | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | | |
| % Dry Solids | **95.0** | | % | 0.500 | 0.500 | 1 | 12/08/10 09:58 | SW-846 | HLB | 10L1490 |
| Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00122 | 0.00222 | 1 | 12/08/10 18:13 | SW846 8260B | KKK | 10L1758 |
| Ethylbenzene | ND | | mg/kg dry | 0.00109 | 0.00222 | 1 | 12/08/10 18:13 | SW846 8260B | KKK | 10L1758 |
| Naphthalene | ND | | mg/kg dry | 0.00189 | 0.00555 | 1 | 12/08/10 18:13 | SW846 8260B | KKK | 10L1758 |
| Toluene | ND | | mg/kg dry | 0.000988 | 0.00222 | 1 | 12/08/10 18:13 | SW846 8260B | KKK | 10L1758 |
| Xylenes, total | ND | | mg/kg dry | 0.00211 | 0.00555 | 1 | 12/08/10 18:13 | SW846 8260B | KKK | 10L1758 |
| *Surr: 1,2-Dichloroethane-d4 (67-138%)* | *89 %* | | | | | *1* | *12/08/10 18:13* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Dibromofluoromethane (75-125%)* | *97 %* | | | | | *1* | *12/08/10 18:13* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Toluene-d8 (76-129%)* | *96 %* | | | | | *1* | *12/08/10 18:13* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: 4-Bromofluorobenzene (67-147%)* | *109 %* | | | | | *1* | *12/08/10 18:13* | *SW846 8260B* | *KKK* | *10L1758* |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0144 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Acenaphthylene | ND | | mg/kg dry | 0.0206 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Anthracene | ND | | mg/kg dry | 0.00926 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0113 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.00823 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0391 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.00926 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0381 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Chrysene | ND | | mg/kg dry | 0.0319 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0154 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Fluoranthene | ND | | mg/kg dry | 0.0113 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Fluorene | ND | | mg/kg dry | 0.0206 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0319 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Naphthalene | ND | | mg/kg dry | 0.0144 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Phenanthrene | ND | | mg/kg dry | 0.0103 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| Pyrene | ND | | mg/kg dry | 0.0237 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0123 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0216 | 0.0689 | 1 | 12/08/10 14:17 | SW846 8270D | KJP | 10L1328 |
| *Surr: Terphenyl-d14 (18-120%)* | *72 %* | | | | | *1* | *12/08/10 14:17* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: 2-Fluorobiphenyl (14-120%)* | *40 %* | | | | | *1* | *12/08/10 14:17* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: Nitrobenzene-d5 (17-120%)* | *39 %* | | | | | *1* | *12/08/10 14:17* | *SW846 8270D* | *KJP* | *10L1328* |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NTL0689-03 (884 Cobia - Soil) Sampled: 11/30/10 14:45** | | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | | |
| % Dry Solids | **93.8** | | % | 0.500 | 0.500 | 1 | 12/08/10 09:58 | SW-846 | HLB | 10L1490 |
| Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00124 | 0.00225 | 1 | 12/08/10 18:43 | SW846 8260B | KKK | 10L1758 |
| Ethylbenzene | ND | | mg/kg dry | 0.00110 | 0.00225 | 1 | 12/08/10 18:43 | SW846 8260B | KKK | 10L1758 |
| Naphthalene | ND | | mg/kg dry | 0.00191 | 0.00562 | 1 | 12/08/10 18:43 | SW846 8260B | KKK | 10L1758 |
| Toluene | ND | | mg/kg dry | 0.00100 | 0.00225 | 1 | 12/08/10 18:43 | SW846 8260B | KKK | 10L1758 |
| Xylenes, total | ND | | mg/kg dry | 0.00214 | 0.00562 | 1 | 12/08/10 18:43 | SW846 8260B | KKK | 10L1758 |
| *Surr: 1,2-Dichloroethane-d4 (67-138%)* | *91 %* | | | | | *1* | *12/08/10 18:43* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Dibromofluoromethane (75-125%)* | *97 %* | | | | | *1* | *12/08/10 18:43* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Toluene-d8 (76-129%)* | *96 %* | | | | | *1* | *12/08/10 18:43* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: 4-Bromofluorobenzene (67-147%)* | *109 %* | | | | | *1* | *12/08/10 18:43* | *SW846 8260B* | *KKK* | *10L1758* |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0145 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Acenaphthylene | ND | | mg/kg dry | 0.0207 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Anthracene | ND | | mg/kg dry | 0.00933 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0114 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.00830 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0394 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.00933 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0384 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Chrysene | ND | | mg/kg dry | 0.0321 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0156 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Fluoranthene | ND | | mg/kg dry | 0.0114 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Fluorene | ND | | mg/kg dry | 0.0207 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0321 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Naphthalene | ND | | mg/kg dry | 0.0145 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Phenanthrene | ND | | mg/kg dry | 0.0104 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| Pyrene | ND | | mg/kg dry | 0.0239 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0124 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0218 | 0.0695 | 1 | 12/08/10 14:37 | SW846 8270D | KJP | 10L1328 |
| *Surr: Terphenyl-d14 (18-120%)* | *74 %* | | | | | *1* | *12/08/10 14:37* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: 2-Fluorobiphenyl (14-120%)* | *62 %* | | | | | *1* | *12/08/10 14:37* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: Nitrobenzene-d5 (17-120%)* | *73 %* | | | | | *1* | *12/08/10 14:37* | *SW846 8270D* | *KJP* | *10L1328* |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NTL0689-04 (892 Cobia - Soil) Sampled: 12/01/10 12:30** | | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | | |
| % Dry Solids | **91.1** | | % | 0.500 | 0.500 | 1 | 12/08/10 09:58 | SW-846 | HLB | 10L1490 |
| Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00126 | 0.00229 | 1 | 12/08/10 19:13 | SW846 8260B | KKK | 10L1758 |
| Ethylbenzene | ND | | mg/kg dry | 0.00112 | 0.00229 | 1 | 12/08/10 19:13 | SW846 8260B | KKK | 10L1758 |
| Naphthalene | ND | | mg/kg dry | 0.00195 | 0.00573 | 1 | 12/08/10 19:13 | SW846 8260B | KKK | 10L1758 |
| Toluene | ND | | mg/kg dry | 0.00102 | 0.00229 | 1 | 12/08/10 19:13 | SW846 8260B | KKK | 10L1758 |
| Xylenes, total | ND | | mg/kg dry | 0.00218 | 0.00573 | 1 | 12/08/10 19:13 | SW846 8260B | KKK | 10L1758 |
| *Surr: 1,2-Dichloroethane-d4 (67-138%)* | *78 %* | | | | | *1* | *12/08/10 19:13* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Dibromofluoromethane (75-125%)* | *94 %* | | | | | *1* | *12/08/10 19:13* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Toluene-d8 (76-129%)* | *100 %* | | | | | *1* | *12/08/10 19:13* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: 4-Bromofluorobenzene (67-147%)* | *122 %* | | | | | *1* | *12/08/10 19:13* | *SW846 8260B* | *KKK* | *10L1758* |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0151 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Acenaphthylene | ND | | mg/kg dry | 0.0216 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Anthracene | ND | | mg/kg dry | 0.00972 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) anthracene | **0.0928** | | mg/kg dry | 0.0119 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) pyrene | **0.0975** | | mg/kg dry | 0.00864 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (b) fluoranthene | **0.185** | | mg/kg dry | 0.0410 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (g,h,i) perylene | **0.259** | | mg/kg dry | 0.00972 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (k) fluoranthene | **0.110** | | mg/kg dry | 0.0399 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Chrysene | **0.113** | | mg/kg dry | 0.0335 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Dibenz (a,h) anthracene | **0.0443** | J | mg/kg dry | 0.0162 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Fluoranthene | **0.135** | | mg/kg dry | 0.0119 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Fluorene | ND | | mg/kg dry | 0.0216 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Indeno (1,2,3-cd) pyrene | **0.106** | | mg/kg dry | 0.0335 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Naphthalene | ND | | mg/kg dry | 0.0151 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Phenanthrene | ND | | mg/kg dry | 0.0108 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| Pyrene | **0.122** | | mg/kg dry | 0.0248 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0130 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0227 | 0.0723 | 1 | 12/08/10 14:57 | SW846 8270D | KJP | 10L1328 |
| *Surr: Terphenyl-d14 (18-120%)* | *67 %* | | | | | *1* | *12/08/10 14:57* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: 2-Fluorobiphenyl (14-120%)* | *51 %* | | | | | *1* | *12/08/10 14:57* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: Nitrobenzene-d5 (17-120%)* | *61 %* | | | | | *1* | *12/08/10 14:57* | *SW846 8270D* | *KJP* | *10L1328* |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NTL0689-05 (887 Cobia - Soil) Sampled: 12/01/10 16:15** | | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | | |
| % Dry Solids | 94.9 | | % | 0.500 | 0.500 | 1 | 12/08/10 09:58 | SW-846 | HLB | 10L1490 |
| Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00126 | 0.00229 | 1 | 12/08/10 19:43 | SW846 8260B | KKK | 10L1758 |
| Ethylbenzene | ND | | mg/kg dry | 0.00112 | 0.00229 | 1 | 12/08/10 19:43 | SW846 8260B | KKK | 10L1758 |
| Naphthalene | ND | | mg/kg dry | 0.00195 | 0.00573 | 1 | 12/08/10 19:43 | SW846 8260B | KKK | 10L1758 |
| Toluene | ND | | mg/kg dry | 0.00102 | 0.00229 | 1 | 12/08/10 19:43 | SW846 8260B | KKK | 10L1758 |
| Xylenes, total | ND | | mg/kg dry | 0.00218 | 0.00573 | 1 | 12/08/10 19:43 | SW846 8260B | KKK | 10L1758 |
| *Surr: 1,2-Dichloroethane-d4 (67-138%)* | *88 %* | | | | | *1* | *12/08/10 19:43* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Dibromofluoromethane (75-125%)* | *97 %* | | | | | *1* | *12/08/10 19:43* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Toluene-d8 (76-129%)* | *96 %* | | | | | *1* | *12/08/10 19:43* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: 4-Bromofluorobenzene (67-147%)* | *107 %* | | | | | *1* | *12/08/10 19:43* | *SW846 8260B* | *KKK* | *10L1758* |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0145 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Acenaphthylene | ND | | mg/kg dry | 0.0208 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Anthracene | ND | | mg/kg dry | 0.00935 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0114 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.00831 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0395 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.00935 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0385 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Chrysene | ND | | mg/kg dry | 0.0322 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0156 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Fluoranthene | ND | | mg/kg dry | 0.0114 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Fluorene | ND | | mg/kg dry | 0.0208 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0322 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Naphthalene | ND | | mg/kg dry | 0.0145 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Phenanthrene | ND | | mg/kg dry | 0.0104 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| Pyrene | ND | | mg/kg dry | 0.0239 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0125 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0218 | 0.0696 | 1 | 12/08/10 15:17 | SW846 8270D | KJP | 10L1328 |
| *Surr: Terphenyl-d14 (18-120%)* | *63 %* | | | | | *1* | *12/08/10 15:17* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: 2-Fluorobiphenyl (14-120%)* | *53 %* | | | | | *1* | *12/08/10 15:17* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: Nitrobenzene-d5 (17-120%)* | *63 %* | | | | | *1* | *12/08/10 15:17* | *SW846 8270D* | *KJP* | *10L1328* |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NTL0689-06 (885 Cobia - Soil) Sampled: 12/02/10 11:45** | | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | | |
| % Dry Solids | 94.9 | | % | 0.500 | 0.500 | 1 | 12/08/10 09:58 | SW-846 | HLB | 10L1490 |
| Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00126 | 0.00229 | 1 | 12/08/10 20:12 | SW846 8260B | KKK | 10L1758 |
| Ethylbenzene | ND | | mg/kg dry | 0.00112 | 0.00229 | 1 | 12/08/10 20:12 | SW846 8260B | KKK | 10L1758 |
| Naphthalene | ND | | mg/kg dry | 0.00195 | 0.00573 | 1 | 12/08/10 20:12 | SW846 8260B | KKK | 10L1758 |
| Toluene | ND | | mg/kg dry | 0.00102 | 0.00229 | 1 | 12/08/10 20:12 | SW846 8260B | KKK | 10L1758 |
| Xylenes, total | ND | | mg/kg dry | 0.00218 | 0.00573 | 1 | 12/08/10 20:12 | SW846 8260B | KKK | 10L1758 |
| *Surr: 1,2-Dichloroethane-d4 (67-138%)* | *90 %* | | | | | *1* | *12/08/10 20:12* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Dibromofluoromethane (75-125%)* | *100 %* | | | | | *1* | *12/08/10 20:12* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Toluene-d8 (76-129%)* | *95 %* | | | | | *1* | *12/08/10 20:12* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: 4-Bromofluorobenzene (67-147%)* | *110 %* | | | | | *1* | *12/08/10 20:12* | *SW846 8260B* | *KKK* | *10L1758* |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0145 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Acenaphthylene | ND | | mg/kg dry | 0.0208 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Anthracene | ND | | mg/kg dry | 0.00935 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0114 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.00831 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0395 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.00935 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0384 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Chrysene | ND | | mg/kg dry | 0.0322 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0156 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Fluoranthene | ND | | mg/kg dry | 0.0114 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Fluorene | ND | | mg/kg dry | 0.0208 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0322 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Naphthalene | ND | | mg/kg dry | 0.0145 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Phenanthrene | ND | | mg/kg dry | 0.0104 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| Pyrene | ND | | mg/kg dry | 0.0239 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0125 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0218 | 0.0696 | 1 | 12/08/10 15:37 | SW846 8270D | KJP | 10L1328 |
| *Surr: Terphenyl-d14 (18-120%)* | *78 %* | | | | | *1* | *12/08/10 15:37* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: 2-Fluorobiphenyl (14-120%)* | *67 %* | | | | | *1* | *12/08/10 15:37* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: Nitrobenzene-d5 (17-120%)* | *78 %* | | | | | *1* | *12/08/10 15:37* | *SW846 8270D* | *KJP* | *10L1328* |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: NTL0689-07 (881 Cobia - Soil) Sampled: 12/02/10 16:00** | | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | | |
| % Dry Solids | 95.9 | | % | 0.500 | 0.500 | 1 | 12/08/10 09:58 | SW-846 | HLB | 10L1490 |
| Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00133 | 0.00241 | 1 | 12/08/10 20:42 | SW846 8260B | KKK | 10L1758 |
| Ethylbenzene | ND | | mg/kg dry | 0.00118 | 0.00241 | 1 | 12/08/10 20:42 | SW846 8260B | KKK | 10L1758 |
| Naphthalene | ND | | mg/kg dry | 0.00205 | 0.00603 | 1 | 12/08/10 20:42 | SW846 8260B | KKK | 10L1758 |
| Toluene | ND | | mg/kg dry | 0.00107 | 0.00241 | 1 | 12/08/10 20:42 | SW846 8260B | KKK | 10L1758 |
| Xylenes, total | ND | | mg/kg dry | 0.00229 | 0.00603 | 1 | 12/08/10 20:42 | SW846 8260B | KKK | 10L1758 |
| *Surr: 1,2-Dichloroethane-d4 (67-138%)* | *90 %* | | | | | *1* | *12/08/10 20:42* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Dibromofluoromethane (75-125%)* | *98 %* | | | | | *1* | *12/08/10 20:42* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: Toluene-d8 (76-129%)* | *95 %* | | | | | *1* | *12/08/10 20:42* | *SW846 8260B* | *KKK* | *10L1758* |
| *Surr: 4-Bromofluorobenzene (67-147%)* | *111 %* | | | | | *1* | *12/08/10 20:42* | *SW846 8260B* | *KKK* | *10L1758* |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0145 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Acenaphthylene | ND | | mg/kg dry | 0.0207 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Anthracene | ND | | mg/kg dry | 0.00931 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0114 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.00828 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0393 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.00931 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0383 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Chrysene | ND | | mg/kg dry | 0.0321 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0155 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Fluoranthene | ND | | mg/kg dry | 0.0114 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Fluorene | ND | | mg/kg dry | 0.0207 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0321 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Naphthalene | ND | | mg/kg dry | 0.0145 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Phenanthrene | ND | | mg/kg dry | 0.0103 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| Pyrene | ND | | mg/kg dry | 0.0238 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0124 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0217 | 0.0693 | 1 | 12/08/10 15:57 | SW846 8270D | KJP | 10L1328 |
| *Surr: Terphenyl-d14 (18-120%)* | *79 %* | | | | | *1* | *12/08/10 15:57* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: 2-Fluorobiphenyl (14-120%)* | *66 %* | | | | | *1* | *12/08/10 15:57* | *SW846 8270D* | *KJP* | *10L1328* |
| *Surr: Nitrobenzene-d5 (17-120%)* | *78 %* | | | | | *1* | *12/08/10 15:57* | *SW846 8270D* | *KJP* | *10L1328* |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## SAMPLE EXTRACTION DATA

| Parameter | Batch | Lab Number | Wt/Vol Extracted | Extracted Vol | Date | Analyst | Extraction Method |
|---|---|---|---|---|---|---|---|
| **Polyaromatic Hydrocarbons by EPA 8270D** | | | | | | | |
| SW846 8270D | 10L1328 | NTL0689-01 | 30.20 | 1.00 | 12/07/10 11:05 | SAS | EPA 3550C |
| SW846 8270D | 10L1328 | NTL0689-02 | 30.70 | 1.00 | 12/07/10 11:05 | SAS | EPA 3550C |
| SW846 8270D | 10L1328 | NTL0689-03 | 30.83 | 1.00 | 12/07/10 11:05 | SAS | EPA 3550C |
| SW846 8270D | 10L1328 | NTL0689-04 | 30.50 | 1.00 | 12/07/10 11:05 | SAS | EPA 3550C |
| SW846 8270D | 10L1328 | NTL0689-05 | 30.41 | 1.00 | 12/07/10 11:05 | SAS | EPA 3550C |
| SW846 8270D | 10L1328 | NTL0689-06 | 30.42 | 1.00 | 12/07/10 11:05 | SAS | EPA 3550C |
| SW846 8270D | 10L1328 | NTL0689-07 | 30.22 | 1.00 | 12/07/10 11:05 | SAS | EPA 3550C |
| **Volatile Organic Compounds by EPA Method 8260B** | | | | | | | |
| SW846 8260B | 10L1758 | NTL0689-01 | 4.61 | 5.00 | 11/29/10 14:15 | CHH | EPA 5035 |
| SW846 8260B | 10L1758 | NTL0689-02 | 4.74 | 5.00 | 11/30/10 10:30 | CHH | EPA 5035 |
| SW846 8260B | 10L1758 | NTL0689-03 | 4.74 | 5.00 | 11/30/10 14:45 | ACB | EPA 5035 |
| SW846 8260B | 10L1758 | NTL0689-04 | 4.79 | 5.00 | 12/01/10 12:30 | CHH | EPA 5035 |
| SW846 8260B | 10L1758 | NTL0689-05 | 4.60 | 5.00 | 12/01/10 16:15 | CHH | EPA 5035 |
| SW846 8260B | 10L1758 | NTL0689-06 | 4.60 | 5.00 | 12/02/10 11:45 | CHH | EPA 5035 |
| SW846 8260B | 10L1758 | NTL0689-07 | 4.32 | 5.00 | 12/02/10 16:00 | CHH | EPA 5035 |

| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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** | | | | | | |
| **10L1758-BLK1** | | | | | | |
| Benzene | <0.00110 | | mg/kg wet | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| Ethylbenzene | <0.000980 | | mg/kg wet | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| Naphthalene | <0.00170 | | mg/kg wet | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| Toluene | <0.000890 | | mg/kg wet | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| Xylenes, total | <0.00190 | | mg/kg wet | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| *Surrogate: 1,2-Dichloroethane-d4* | 89% | | | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| *Surrogate: Dibromofluoromethane* | 99% | | | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| *Surrogate: Toluene-d8* | 95% | | | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| *Surrogate: 4-Bromofluorobenzene* | 106% | | | 10L1758 | 10L1758-BLK1 | 12/08/10 12:28 |
| **10L1758-BLK2** | | | | | | |
| Benzene | <0.0550 | | mg/kg wet | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| Ethylbenzene | <0.0490 | | mg/kg wet | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| Naphthalene | <0.0850 | | mg/kg wet | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| Toluene | <0.0445 | | mg/kg wet | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| Xylenes, total | <0.0950 | | mg/kg wet | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| *Surrogate: 1,2-Dichloroethane-d4* | 82% | | | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| *Surrogate: Dibromofluoromethane* | 98% | | | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| *Surrogate: Toluene-d8* | 98% | | | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| *Surrogate: 4-Bromofluorobenzene* | 104% | | | 10L1758 | 10L1758-BLK2 | 12/08/10 12:58 |
| **Polyaromatic Hydrocarbons by EPA 8270D** | | | | | | |
| **10L1328-BLK1** | | | | | | |
| Acenaphthene | <0.0140 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Acenaphthylene | <0.0200 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Anthracene | <0.00900 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Benzo (a) anthracene | <0.0110 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Benzo (a) pyrene | <0.00800 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Benzo (b) fluoranthene | <0.0380 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Benzo (g,h,i) perylene | <0.00900 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Benzo (k) fluoranthene | <0.0370 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Chrysene | <0.0310 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Dibenz (a,h) anthracene | <0.0150 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Fluoranthene | <0.0110 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Fluorene | <0.0200 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Indeno (1,2,3-cd) pyrene | <0.0310 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Naphthalene | <0.0140 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Phenanthrene | <0.0100 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| Pyrene | <0.0230 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| 1-Methylnaphthalene | <0.0120 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| 2-Methylnaphthalene | <0.0210 | | mg/kg wet | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## PROJECT QUALITY CONTROL DATA
### Blank - Cont.

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---|---|---|---|---|---|---|
| **Polyaromatic Hydrocarbons by EPA 8270D** | | | | | | |
| **10L1328-BLK1** | | | | | | |
| *Surrogate: Terphenyl-d14* | 74% | | | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| *Surrogate: 2-Fluorobiphenyl* | 62% | | | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |
| *Surrogate: Nitrobenzene-d5* | 73% | | | 10L1328 | 10L1328-BLK1 | 12/08/10 12:18 |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## PROJECT QUALITY CONTROL DATA
### Duplicate

| Analyte | Orig. Val. | Duplicate | Q | Units | RPD | Limit | Batch | Sample Duplicated | % Rec. | Analyzed Date/Time |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | |
| **10L1490-DUP1** | | | | | | | | | | |
| % Dry Solids | 89.7 | 85.4 | | % | 5 | 20 | 10L1490 | NTL0444-09 | | 12/08/10 09:58 |

| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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** | | | | | | | | |
| **10L1758-BS1** | | | | | | | | |
| Benzene | 50.0 | 51.6 | | ug/kg | 103% | 78 - 126 | 10L1758 | 12/08/10 10:21 |
| Ethylbenzene | 50.0 | 53.7 | | ug/kg | 107% | 79 - 130 | 10L1758 | 12/08/10 10:21 |
| Naphthalene | 50.0 | 51.1 | | ug/kg | 102% | 72 - 150 | 10L1758 | 12/08/10 10:21 |
| Toluene | 50.0 | 49.1 | | ug/kg | 98% | 76 - 126 | 10L1758 | 12/08/10 10:21 |
| Xylenes, total | 150 | 164 | | ug/kg | 109% | 80 - 130 | 10L1758 | 12/08/10 10:21 |
| *Surrogate: 1,2-Dichloroethane-d4* | 50.0 | 43.9 | | | 88% | 67 - 138 | 10L1758 | 12/08/10 10:21 |
| *Surrogate: Dibromofluoromethane* | 50.0 | 47.8 | | | 96% | 75 - 125 | 10L1758 | 12/08/10 10:21 |
| *Surrogate: Toluene-d8* | 50.0 | 47.6 | | | 95% | 76 - 129 | 10L1758 | 12/08/10 10:21 |
| *Surrogate: 4-Bromofluorobenzene* | 50.0 | 52.2 | | | 104% | 67 - 147 | 10L1758 | 12/08/10 10:21 |
| **Polyaromatic Hydrocarbons by EPA 8270D** | | | | | | | | |
| **10L1328-BS1** | | | | | | | | |
| Acenaphthene | 1.67 | 1.08 | | mg/kg wet | 65% | 49 - 120 | 10L1328 | 12/08/10 12:38 |
| Acenaphthylene | 1.67 | 1.19 | | mg/kg wet | 71% | 52 - 120 | 10L1328 | 12/08/10 12:38 |
| Anthracene | 1.67 | 1.38 | | mg/kg wet | 83% | 58 - 120 | 10L1328 | 12/08/10 12:38 |
| Benzo (a) anthracene | 1.67 | 1.39 | | mg/kg wet | 83% | 57 - 120 | 10L1328 | 12/08/10 12:38 |
| Benzo (a) pyrene | 1.67 | 1.48 | | mg/kg wet | 89% | 55 - 120 | 10L1328 | 12/08/10 12:38 |
| Benzo (b) fluoranthene | 1.67 | 1.50 | | mg/kg wet | 90% | 51 - 123 | 10L1328 | 12/08/10 12:38 |
| Benzo (g,h,i) perylene | 1.67 | 1.25 | | mg/kg wet | 75% | 49 - 121 | 10L1328 | 12/08/10 12:38 |
| Benzo (k) fluoranthene | 1.67 | 1.21 | | mg/kg wet | 72% | 42 - 129 | 10L1328 | 12/08/10 12:38 |
| Chrysene | 1.67 | 1.33 | | mg/kg wet | 80% | 55 - 120 | 10L1328 | 12/08/10 12:38 |
| Dibenz (a,h) anthracene | 1.67 | 1.25 | | mg/kg wet | 75% | 50 - 123 | 10L1328 | 12/08/10 12:38 |
| Fluoranthene | 1.67 | 1.39 | | mg/kg wet | 83% | 58 - 120 | 10L1328 | 12/08/10 12:38 |
| Fluorene | 1.67 | 1.22 | | mg/kg wet | 73% | 54 - 120 | 10L1328 | 12/08/10 12:38 |
| Indeno (1,2,3-cd) pyrene | 1.67 | 1.29 | | mg/kg wet | 77% | 50 - 122 | 10L1328 | 12/08/10 12:38 |
| Naphthalene | 1.67 | 1.00 | | mg/kg wet | 60% | 28 - 120 | 10L1328 | 12/08/10 12:38 |
| Phenanthrene | 1.67 | 1.37 | | mg/kg wet | 82% | 56 - 120 | 10L1328 | 12/08/10 12:38 |
| Pyrene | 1.67 | 1.39 | | mg/kg wet | 83% | 56 - 120 | 10L1328 | 12/08/10 12:38 |
| 1-Methylnaphthalene | 1.67 | 0.937 | | mg/kg wet | 56% | 36 - 120 | 10L1328 | 12/08/10 12:38 |
| 2-Methylnaphthalene | 1.67 | 1.03 | | mg/kg wet | 62% | 36 - 120 | 10L1328 | 12/08/10 12:38 |
| *Surrogate: Terphenyl-d14* | 1.67 | 1.17 | | | 70% | 18 - 120 | 10L1328 | 12/08/10 12:38 |
| *Surrogate: 2-Fluorobiphenyl* | 1.67 | 0.914 | | | 55% | 14 - 120 | 10L1328 | 12/08/10 12:38 |
| *Surrogate: Nitrobenzene-d5* | 1.67 | 1.06 | | | 63% | 17 - 120 | 10L1328 | 12/08/10 12:38 |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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** | | | | | | | | | | | | |
| **10L1758-BSD1** | | | | | | | | | | | | |
| Benzene | | 52.5 | | ug/kg | 50.0 | 105% | 78 - 126 | 2 | 50 | 10L1758 | | 12/08/10 10:50 |
| Ethylbenzene | | 53.7 | | ug/kg | 50.0 | 107% | 79 - 130 | 0.02 | 50 | 10L1758 | | 12/08/10 10:50 |
| Naphthalene | | 54.3 | | ug/kg | 50.0 | 109% | 72 - 150 | 6 | 50 | 10L1758 | | 12/08/10 10:50 |
| Toluene | | 49.2 | | ug/kg | 50.0 | 98% | 76 - 126 | 0.06 | 50 | 10L1758 | | 12/08/10 10:50 |
| Xylenes, total | | 163 | | ug/kg | 150 | 109% | 80 - 130 | 0.6 | 50 | 10L1758 | | 12/08/10 10:50 |
| *Surrogate: 1,2-Dichloroethane-d4* | | 44.2 | | ug/kg | 50.0 | 88% | 67 - 138 | | | 10L1758 | | 12/08/10 10:50 |
| *Surrogate: Dibromofluoromethane* | | 48.2 | | ug/kg | 50.0 | 96% | 75 - 125 | | | 10L1758 | | 12/08/10 10:50 |
| *Surrogate: Toluene-d8* | | 47.4 | | ug/kg | 50.0 | 95% | 76 - 129 | | | 10L1758 | | 12/08/10 10:50 |
| *Surrogate: 4-Bromofluorobenzene* | | 51.7 | | ug/kg | 50.0 | 103% | 67 - 147 | | | 10L1758 | | 12/08/10 10:50 |

| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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** | | | | | | | | | | |
| **10L1758-MS1** | | | | | | | | | | |
| Benzene | ND | 1.98 | | mg/kg wet | 2.34 | 85% | 42 - 141 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| Ethylbenzene | ND | 2.14 | | mg/kg wet | 2.34 | 92% | 21 - 165 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| Naphthalene | ND | 1.88 | | mg/kg wet | 2.34 | 80% | 10 - 160 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| Toluene | ND | 1.94 | | mg/kg wet | 2.34 | 83% | 45 - 145 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| Xylenes, total | ND | 6.62 | | mg/kg wet | 7.01 | 94% | 31 - 159 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| *Surrogate: 1,2-Dichloroethane-d4* | | 41.6 | | ug/kg | 50.0 | 83% | 67 - 138 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| *Surrogate: Dibromofluoromethane* | | 47.9 | | ug/kg | 50.0 | 96% | 75 - 125 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| *Surrogate: Toluene-d8* | | 47.6 | | ug/kg | 50.0 | 95% | 76 - 129 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| *Surrogate: 4-Bromofluorobenzene* | | 52.1 | | ug/kg | 50.0 | 104% | 67 - 147 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:12 |
| **Polyaromatic Hydrocarbons by EPA 8270D** | | | | | | | | | | |
| **10L1328-MS1** | | | | | | | | | | |
| Acenaphthene | ND | 1.16 | | mg/kg dry | 1.77 | 65% | 42 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Acenaphthylene | ND | 1.26 | | mg/kg dry | 1.77 | 71% | 32 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Anthracene | ND | 1.40 | | mg/kg dry | 1.77 | 79% | 10 - 200 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Benzo (a) anthracene | ND | 1.45 | | mg/kg dry | 1.77 | 82% | 41 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Benzo (a) pyrene | ND | 1.52 | | mg/kg dry | 1.77 | 86% | 33 - 121 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Benzo (b) fluoranthene | ND | 1.55 | | mg/kg dry | 1.77 | 87% | 26 - 137 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Benzo (g,h,i) perylene | ND | 1.33 | | mg/kg dry | 1.77 | 75% | 21 - 124 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Benzo (k) fluoranthene | ND | 1.27 | | mg/kg dry | 1.77 | 72% | 14 - 140 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Chrysene | ND | 1.37 | | mg/kg dry | 1.77 | 77% | 28 - 123 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Dibenz (a,h) anthracene | ND | 1.30 | | mg/kg dry | 1.77 | 73% | 25 - 127 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Fluoranthene | ND | 1.38 | | mg/kg dry | 1.77 | 78% | 38 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Fluorene | ND | 1.27 | | mg/kg dry | 1.77 | 72% | 41 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Indeno (1,2,3-cd) pyrene | ND | 1.32 | | mg/kg dry | 1.77 | 75% | 25 - 123 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Naphthalene | ND | 1.20 | | mg/kg dry | 1.77 | 68% | 25 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Phenanthrene | ND | 1.40 | | mg/kg dry | 1.77 | 79% | 37 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| Pyrene | ND | 1.42 | | mg/kg dry | 1.77 | 80% | 29 - 125 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| 1-Methylnaphthalene | ND | 1.08 | | mg/kg dry | 1.77 | 61% | 19 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| 2-Methylnaphthalene | ND | 1.20 | | mg/kg dry | 1.77 | 68% | 11 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| *Surrogate: Terphenyl-d14* | | 1.23 | | mg/kg dry | 1.77 | 69% | 18 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| *Surrogate: 2-Fluorobiphenyl* | | 1.03 | | mg/kg dry | 1.77 | 58% | 14 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |
| *Surrogate: Nitrobenzene-d5* | | 1.28 | | mg/kg dry | 1.77 | 72% | 17 - 120 | 10L1328 | NTL0689-01 | 12/08/10 13:18 |

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| | | | |
|---|---|---|---|
| Client | EEG - Small Business Group, Inc. (2449) | Work Order: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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** | | | | | | | | | | | | |
| **10L1758-MSD1** | | | | | | | | | | | | |
| Benzene | ND | 2.03 | | mg/kg wet | 2.34 | 87% | 42 - 141 | 2 | 50 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| Ethylbenzene | ND | 2.16 | | mg/kg wet | 2.34 | 92% | 21 - 165 | 0.8 | 50 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| Naphthalene | ND | 2.10 | | mg/kg wet | 2.34 | 90% | 10 - 160 | 11 | 50 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| Toluene | ND | 1.96 | | mg/kg wet | 2.34 | 84% | 45 - 145 | 1 | 50 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| Xylenes, total | ND | 6.73 | | mg/kg wet | 7.01 | 96% | 31 - 159 | 2 | 50 | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| *Surrogate: 1,2-Dichloroethane-d4* | | 42.3 | | ug/kg | 50.0 | 85% | 67 - 138 | | | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| *Surrogate: Dibromofluoromethane* | | 48.4 | | ug/kg | 50.0 | 97% | 75 - 125 | | | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| *Surrogate: Toluene-d8* | | 47.4 | | ug/kg | 50.0 | 95% | 76 - 129 | | | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| *Surrogate: 4-Bromofluorobenzene* | | 50.9 | | ug/kg | 50.0 | 102% | 67 - 147 | | | 10L1758 | NTL0688-12RE2 | 12/08/10 21:41 |
| **Polyaromatic Hydrocarbons by EPA 8270D** | | | | | | | | | | | | |
| **10L1328-MSD1** | | | | | | | | | | | | |
| Acenaphthene | ND | 1.17 | | mg/kg dry | 1.80 | 65% | 42 - 120 | 1 | 40 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Acenaphthylene | ND | 1.27 | | mg/kg dry | 1.80 | 70% | 32 - 120 | 0.3 | 30 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Anthracene | ND | 1.35 | | mg/kg dry | 1.80 | 75% | 10 - 200 | 4 | 50 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Benzo (a) anthracene | ND | 1.39 | | mg/kg dry | 1.80 | 77% | 41 - 120 | 4 | 30 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Benzo (a) pyrene | ND | 1.40 | | mg/kg dry | 1.80 | 78% | 33 - 121 | 8 | 33 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Benzo (b) fluoranthene | ND | 1.30 | | mg/kg dry | 1.80 | 72% | 26 - 137 | 17 | 42 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Benzo (g,h,i) perylene | ND | 1.25 | | mg/kg dry | 1.80 | 70% | 21 - 124 | 6 | 32 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Benzo (k) fluoranthene | ND | 1.35 | | mg/kg dry | 1.80 | 75% | 14 - 140 | 6 | 39 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Chrysene | ND | 1.33 | | mg/kg dry | 1.80 | 74% | 28 - 123 | 3 | 34 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Dibenz (a,h) anthracene | ND | 1.24 | | mg/kg dry | 1.80 | 69% | 25 - 127 | 5 | 31 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Fluoranthene | ND | 1.34 | | mg/kg dry | 1.80 | 74% | 38 - 120 | 3 | 35 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Fluorene | ND | 1.25 | | mg/kg dry | 1.80 | 70% | 41 - 120 | 2 | 37 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Indeno (1,2,3-cd) pyrene | ND | 1.26 | | mg/kg dry | 1.80 | 70% | 25 - 123 | 5 | 32 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Naphthalene | ND | 1.22 | | mg/kg dry | 1.80 | 68% | 25 - 120 | 2 | 42 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Phenanthrene | ND | 1.36 | | mg/kg dry | 1.80 | 76% | 37 - 120 | 3 | 32 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| Pyrene | ND | 1.40 | | mg/kg dry | 1.80 | 78% | 29 - 125 | 2 | 40 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| 1-Methylnaphthalene | ND | 1.10 | | mg/kg dry | 1.80 | 61% | 19 - 120 | 2 | 45 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| 2-Methylnaphthalene | ND | 1.18 | | mg/kg dry | 1.80 | 66% | 11 - 120 | 1 | 50 | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| *Surrogate: Terphenyl-d14* | | 1.20 | | mg/kg dry | 1.80 | 67% | 18 - 120 | | | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| *Surrogate: 2-Fluorobiphenyl* | | 1.05 | | mg/kg dry | 1.80 | 58% | 14 - 120 | | | 10L1328 | NTL0689-01 | 12/08/10 13:38 |
| *Surrogate: Nitrobenzene-d5* | | 1.34 | | mg/kg dry | 1.80 | 74% | 17 - 120 | | | 10L1328 | NTL0689-01 | 12/08/10 13:38 |

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: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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: | NTL0689 |
| | 10179 Highway 78 | Project Name: | Laurel Bay Housing Project |
| | Ladson, SC 29456 | Project Number: | [none] |
| Attn | Tom McElwee | Received: | 12/04/10 08:45 |

## 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.

**ND** Not detected at the reporting limit (or method detection limit if shown)

## METHOD MODIFICATION NOTES

testamerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

Client Name/Account #: EEG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Project Manager: Tom McElwee email: mcelwee@eeginc.net
Telephone Number: 843.412.2097 Fax No.: (843) 829-0461
Sampler Name: (Print) Prath Shah
Sampler Signature:

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring? Yes ____ No ____
Enforcement Action? Yes ____ No ____

Site State: SC
PO#: 1005
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

| Sample ID / Description | Date Sampled | Time Sampled | No. of Containers Shipped | Grab | Composite | Field Filtered | Preservative: Ice | HNO3 (Red Label) | HCl (Blue Label) | NaOH (Orange Label) | H2SO4, Plastic (Yellow Label) | H2SO4, Glass (Yellow Label) | None (Black Label) | Other (Specify) Methanol | Matrix: Groundwater | Wastewater | Drinking Water | Sludge | Soil | Other (specify): | Analyze For: BTEX + Napth - 8260B | PAH - 8270D | NTL0689 12/20/10 23:59 | RUSH TAT (Pre-Schedule) | Standard TAT | Fax Results | Send QC with report |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 876 Cobia | 11/29/10 | 1415 | 5 | X | | | | 2 | | | | | 2 | 1 | | | | | X | | X | X | 01 | | | | |
| 882 Cobia | 11/30/10 | 1030 | 5 | X | | | | 2 | | | | | 2 | 1 | | | | | X | | X | X | 2 | | | | |
| 884 Cobia | 11/30/10 | 1445 | 5 | X | | | | 2 | | | | | 2 | 1 | | | | | X | | X | X | 3 | | | | |
| 892 Cobia | 12/1/10 | 1230 | 5 | X | | | | 2 | | | | | 2 | 1 | | | | | X | | X | X | 4 | | | | |
| 887 Cobia | 12/1/10 | 1615 | 5 | X | | | | 2 | | | | | 2 | 1 | | | | | X | | X | X | 5 | | | | |
| 885 Cobia | 12/2/10 | 1145 | 5 | X | | | | 2 | | | | | 2 | 1 | | | | | X | | X | X | 6 | | | | |
| 881 Cobia | 12/2/10 | 1600 | 5 | X | | | | 2 | | | | | 2 | 1 | | | | | X | | X | X | 7 | | | | |

Special Instructions:

Method of Shipment: FEDEX

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 12/3/10 | 0900 | FedEx | | |
| Relinquished by | Date | Time | Received by TestAmerica: | Date | Time |
| | | | | 12/4/10 | 5:45 |

Laboratory Comments:
Temperature Upon Receipt: 4.3
VOCs Free of Headspace? Y N

ATTACHMENT A

# NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

**3. Generator's Mailing Address:**
MCAS, BEAUFORT
LAUREL BAY HOUSING
BEAUFORT, SC 29907
**4. Generator's Phone** 843-228-6461

**Generator's Site Address** (If different than mailing):

A. Manifest Number: WMNA 00316802
B. State Generator's ID:

**5. Transporter 1 Company Name:** EEG, INC.
**6. US EPA ID Number:**
C. State Transporter's ID:
D. Transporter's Phone: 843-879-0411

**7. Transporter 2 Company Name:**
**8. US EPA ID Number:**
E. State Transporter's ID:
F. Transporter's Phone:

**9. Designated Facility Name and Site Address:**
HICKORY HILL LANDFILL
2621 LOW COUNTRY ROAD
RIDGELAND, SC 29936
**10. US EPA ID Number:**
G. State Facility ID:
H. State Facility Phone: 843-987-4643

GENERATOR

| 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<br>WM Profile # 102655SC | | | | | |
| b.<br>WM Profile # | | | | | |
| c.<br>WM Profile # | | | | | |
| d.<br>WM Profile # | | | | | |

**J. Additional Descriptions for Materials Listed Above**

K. Disposal Location: Cell | Level | Grid

15. Special Handling Instructions and Additional Information
Cost's from:
1) 877 Cobia 2) 878 Cobia 3) 876 Cobia 4) 892 Cobia 5) 8541 Cobia 6) 892 Cobia

Purchase Order #
EMERGENCY CONTACT / PHONE NO.:

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

| Printed Name | Signature "On behalf of" | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| James Baldwin | James Baldwin | | | |

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

**Appendix C**
**Regulatory Correspondence**

D H E C

PROMOTE PROTECT PROSPER



Bureau of Land and Waste Management
Division of Waste Management

July 7, 2011

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

RE: No Further Action
Laurel Bay Underground Storage Tank Assessment Report for:

- 824 Azalea
- 826 Azalea
- 827 Azalea
- 829 Azalea
- 884 Cobia
- 830 Azalea
- 833 Azalea
- 839 Azalea
- 843 Azalea
- 885 Cobia
- 937 Albacore
- 754 Althea
- 756 Althea
- 758 Althea
- 887 Cobia
- 836 Azalea
- 838 Azalea
- 845 Azalea
- 847 Azalea
- 881 Cobia
- 863 Azalea
- 867 Cobia
- 870 Cobia
- 871 Cobia
- 881 Cobia
- 877 Cobia
- 876 Cobia

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tanks (USTs) Assessment Report on February 17, 2011 for the addresses listed above.

The Department has reviewed the referenced assessment report and agrees there is no indication of soil or groundwater contamination on this 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 Corp 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 picketcn@dhec.sc.gov or 803-896-4131.

Sincerely,

Christi Pickett
Corrective Action Engineering Section
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

cc: Laurel Rhoten (via email)
Craig Ehde (via email)