SUMMARY REPORT
426 ASH STREET (FORMERLY 345 ASH 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
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Contract Number: N62470-14-D-9016
CTO WE52
JUNE 2021

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List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 426 Ash Street (Formerly 345 Ash 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 426 Ash Street (Formerly 345 Ash Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 345 Ash Street* (MCAS Beaufort, 2009) and *SCDHEC UST Assessment Report – 345 Ash Street* (MCAS Beaufort, 2012). The UST Assessment Reports are provided in Appendix B.

2.1 UST Removal and Soil Sampling

Two 280 gallon heating oil USTs were removed at 426 Ash Street (Formerly 345 Ash Street). Tank 1 was removed on September 9, 1999, from the front yard. Tank 2 was removed on February 28, 2012, from landscaped area adjacent to the concrete porch. The former UST locations are indicated in the figures of the UST Assessment Reports (Appendix B). The USTs were 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 removals. According to the UST Assessment Reports (Appendix B), the depth to the bases of the USTs were 6'0" bgs (Tank 1) and 5'10" bgs (Tank 2) and a single soil sample was collected for each from those depths. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) 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 the former UST locations (Tanks 1 and 2) at 426 Ash Street (Formerly 345 Ash Street) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former USTs 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 426 Ash Street (Formerly 345 Ash Street). This NFA determination was obtained in a letter dated December 14, 2016. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 345 Ash Street, Laurel Bay Military Housing Area*, April 2009.

Marine Corps Air Station Beaufort, 2012. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 345 Ash Street, Laurel Bay Military Housing Area*, June 2012.

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

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

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

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

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

Table

Table 1
Laboratory Analytical Results - Soil
426 Ash Street (Formerly 345 Ash Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 09/09/99 and 02/28/12	
		345 Ash-1 09/09/99	345 Ash-2 02/28/12
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	ND	ND
Naphthalene	0.036	ND	**0.0151**
Toluene	0.627	ND	ND
Xylenes, Total	13.01	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	ND	**0.146**
Benzo(b)fluoranthene	0.66	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND
Chrysene	0.66	ND	**0.0786**
Dibenz(a,h)anthracene	0.66	ND	ND

Notes:

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligram per kilogram

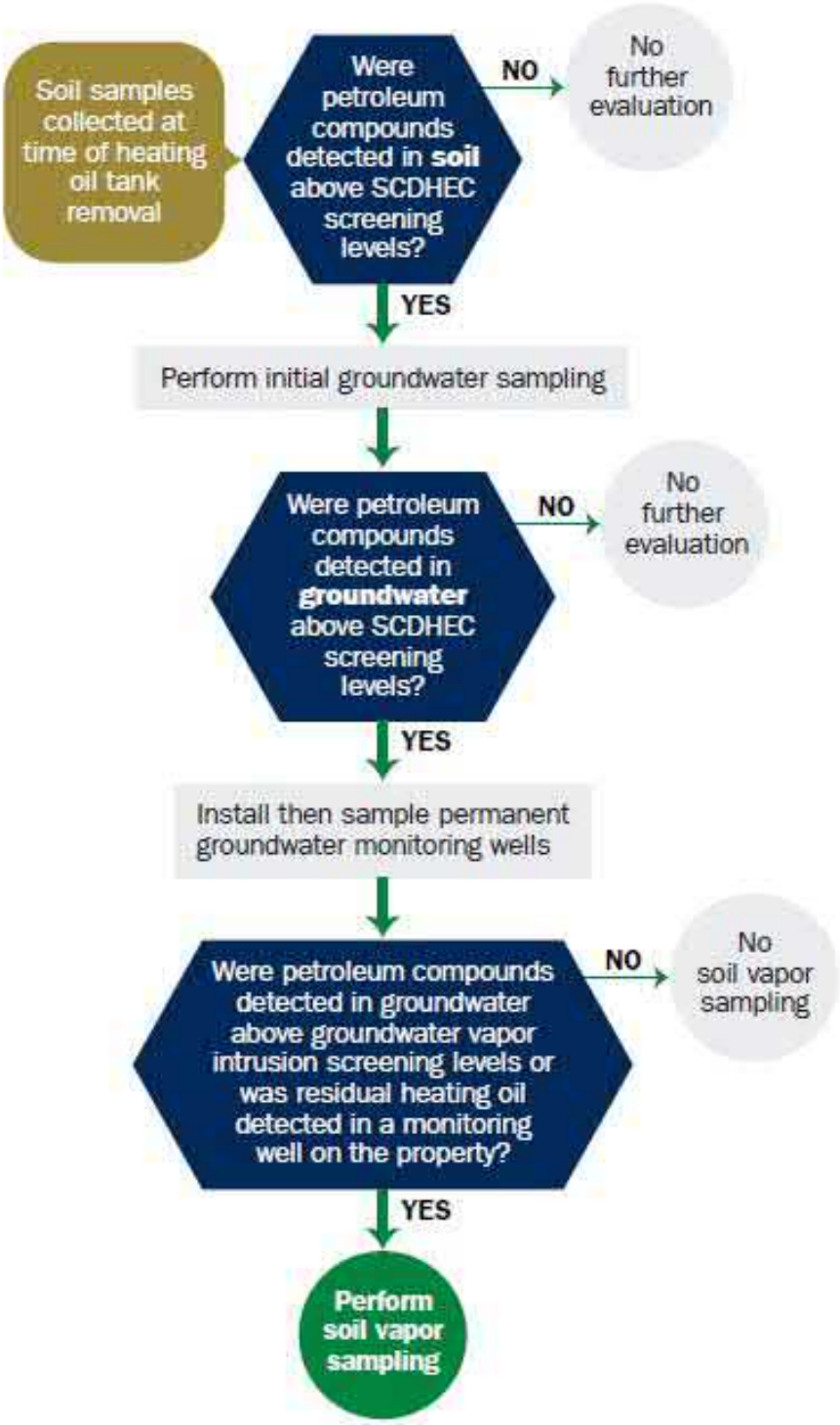
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

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 Reports

CDM - AECOM
Multimedia Joint Venture

M60169.AR.001817
MCAS BEAUFORT
5090.3a

TRANSMITTAL LETTER AND LABORATORY DATA FOR HEATING OIL UNDERGROUND STORAGE TANK REMOVAL AT 345 ASH STREET LAUREL BAY MILITARY HOUSING MCAS BEAUFORT SC
4/20/2009
MCAS BEAUFORT

UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
BEAUFORT, SOUTH CAROLINA 29904-5001

IN REPLY REFER TO
5900
NREAO/057
April 20, 2009

SCDHEC-BLWM
Attn: Ms. Jan T. Cooke
2600 Bull Street
Columbia, South Carolina 29201

Dear Ms. Cooke:

Subject: Heating Oil UST Removal Laboratory Data for Laurel Bay Military Housing, Marine Corps Air Station (MCAS) Beaufort, South Carolina

Enclosed are laboratory results for heating oil UST removals at 6 homes located in Laurel Bay Military Housing, MCAS Beaufort. The addresses for the homes included in this package are: 345 Ash, 378 Aspen, 603 Dahlia, 768 Althea, 110 Althea, and 772 Althea. Limited information is available for these tank removals as they occurred in 1999. The only information available is laboratory data and general locations of the tanks removed. One discrepancy is the report for 770 Althea. A fax that lists these tank removals indicates that 2 tanks were removed at 764 Althea and hand writing on the fax suggests that the actual address may be 766 Althea. We believe the actual house the fax and laboratory reports are referring to is 770 Althea. Three tanks were removed at 766 Althea in 1999 that required a period of ground water monitoring (SCDHEC ID# 01439). A no further action decision was rendered for the site by SCDHEC in a letter dated October 10, 2003. In addition, in the 2006 tank removal event, no tank was discovered at 770 Althea; however a tank was found and removed at 764 Althea (SCHEC ID# 03748). Again, based on this information, we believe that the actual house the enclosed fax and laboratory report is referring to is 770 Althea.

One soil sample was submitted from each tank pulled and analyzed for volatile organic compounds (VOCs) by method 8260 and for semi-volatile organic compounds by method 8270. No petroleum compounds were detected in any of the soil samples. Methylene chloride was detected in all of the samples at nearly identical levels. Given the similar levels detected and the

common occurrence of methylene chloride as a laboratory contaminant, we believe the methylene chloride detected in the soil samples is the result of laboratory contamination.

If you have any questions regarding this information please contact Craig Ehde at 843-228-7317 or craig.ehde@usmc.mil.

Sincerely,

William A Drawdy
Natural Resources and
Environmental Affairs Officer
By Direction of the
Commanding Officer

Enclosure: Assessment Reports for the following residences: 345 Ash, 378 Aspen, 603 Dahlia, 768 Althea, 110 Althea, and 772 Althea.

Cc: Mr. Russell Berry, EQC Low Country District (w/o enclosures)

Ray James
ROICC Inspector

R & G CONSTRUCTION CO.
MCAS Field Office
584 Kimes Avenue
P.O. Box 9191
Beaufort, SC 29904-9191

(843) 521-9773 Phone (843) 521-9115 Fax

Bill Dennis

facsimile transmittal

To: Jim Reeves Fax: 522-7032

From: Beth Date: Tuesday, June 22, 1999

Re: Locations of tanks Pages: 1 including cover

REF:

Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☑ For Your Info

COMMENTS:

Following are locations where tanks have been removed:

603 Dahlia ✓

378 Aspen ✓

345 Ash ✓

768 Althea ✓

772 Althea ✓

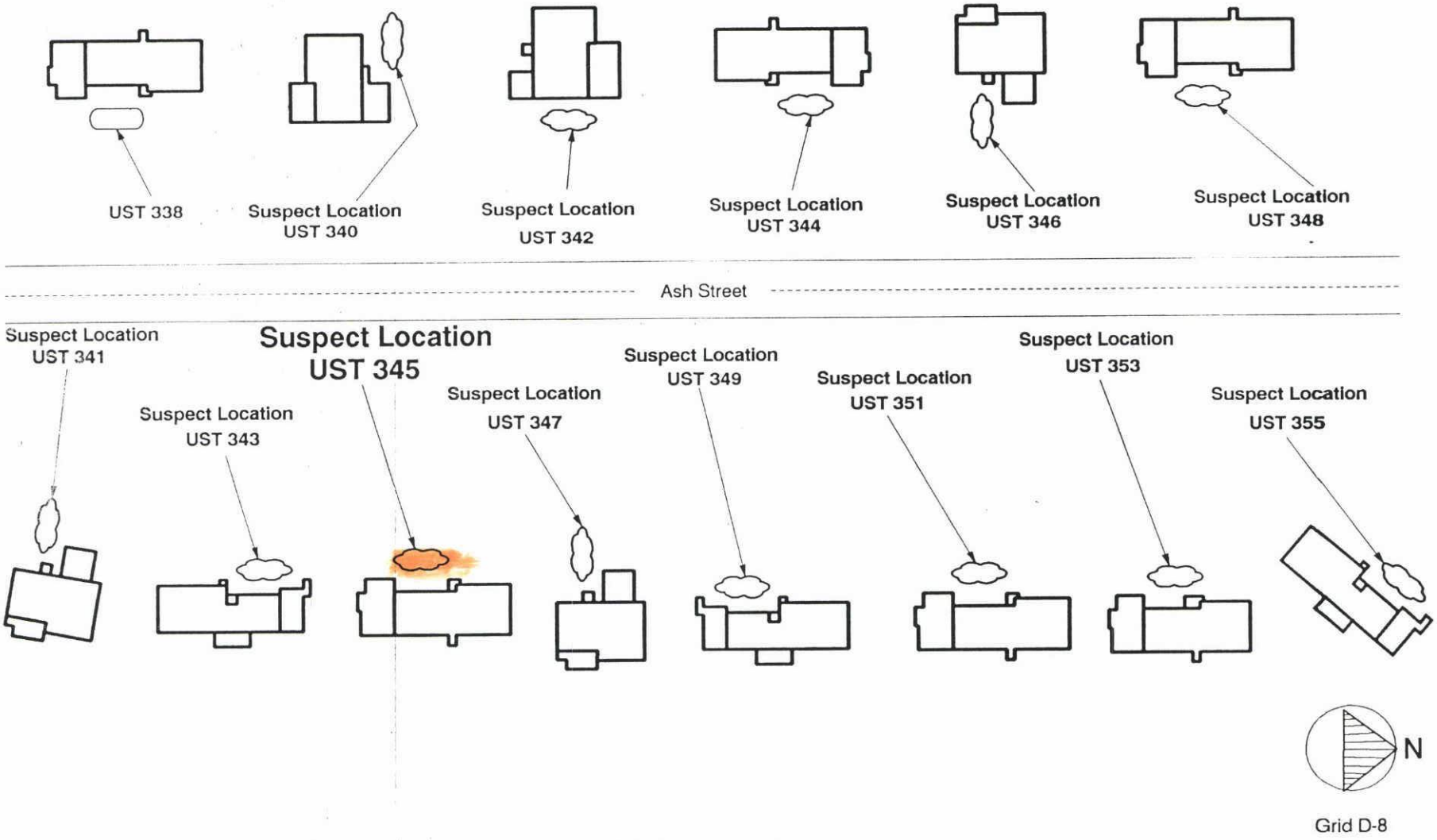
* 764 Althea (2 tanks removed)

* 766 Althea Final Release

* For Mary Ellen Smith — More than 1 UST may be at same house — possibly up to 4!!

CONFIDENTIAL

MCAS Beaufort
Laurel Bay Housing Area
UST 345



Grid D-8

EG&G Idaho, Inc.

Site sketches are schematic representations indicating approximate locations and orientations.

SPECIALIZED ASSAYS, IN
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

345 ASH @ L.BAY

USACE-SAVANNAH DISTRICT 8995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project: D0208
Project Name: LAUREL BAY UST
Sampler: J. SMITH

Lab Number: 99-A138225
Sample ID: 345 UST
Sample Type: Soil
Site ID:

Date Collected: 9/ 9/99
Time Collected: 13:10
Date Received: 9/10/99
Time Received: 8:30

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Acenaphthylene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Anthracene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Benzo(a)anthracene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Benzo(a)pyrene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Benzo(b)fluoranthene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Benzo(g,h,i)perylene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Benzo(k)fluoranthene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
4-Bromophenylphenylether	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Butylbenzylphthalate	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Carbazole	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
4-Chloro-3-methylphenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
4-Chloroaniline	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
bis(2-Chloroethoxy)methane	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
bis(2-Chloroethyl)ether	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2-Chloronaphthalene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2-Chlorophenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
4-Chlorophenylphenylether	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Chrysene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Dibenzofuran	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Dibenz(a,h)anthracene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
1,2-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
1,3-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
1,4-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
3,3'-Dichlorobenzidine	ND	mg/kg	0.815	0.660	1	9/17/99	12:09	M.Goodrich	8270C	4973
2,4-Dichlorophenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Diethylphthalate	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2,4-Dimethylphenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Dimethylphthalate	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Di-n-butylphthalate	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
2,4-Dinitrophenol	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
2,4-dinitrotoluene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2,6-Dinitrotoluene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973

SPECIALIZED ASSAYS, IN
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A138225
Sample ID: 345 UST

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Fluoranthene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Fluorene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Hexachlorobenzene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Hexachlorobutadiene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Hexachlorocyclopentadiene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Hexachloroethane	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Isophorone	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2-Methylnaphthalene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2-Methylphenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
m,p-Methylphenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Naphthalene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2-Nitroaniline	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
3-Nitroaniline	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
4-Nitroaniline	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
Nitrobenzene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2-Nitrophenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
4-Nitrophenol	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
N-nitrosodi-n-propylamine	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
N-nitrosodiphenylamine	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Pentachlorophenol	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
Phenanthrene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Phenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Pyrene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
1,2,4-Trichlorobenzene	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
2,4,5-Trichlorophenol	ND	mg/kg	1.02	0.825	1	9/17/99	12:09	M.Goodrich	8270C	4973
2,4,6-Trichlorophenol	ND	mg/kg	0.407	0.330	1	9/17/99	12:09	M.Goodrich	8270C	4973
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
Acrolein	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
Acrylonitrile	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260A	5553
Benzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Bromobenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Bromochloromethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Bromoform	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Bromomethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
2-Butanone	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
n-Butylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
sec-Butylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
t-Butylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Carbon disulfide	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553

SPECIALIZED ASSAYS, INC
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A138225
Sample ID: 345 UST

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Chlorobenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Chloroethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
2-Chloroethylvinylether	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Chloroform	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Chloromethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
2-Chlorotoluene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
4-Chlorotoluene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
Dibromochloromethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2-Dibromoethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Dibromomethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,4-Dichloro-2-butene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2-Dichlorobenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,3-Dichlorobenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,4-Dichlorobenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Dichlorodifluoromethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,1-Dichloroethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2-Dichloroethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,1-Dichloroethene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
cis-1,2-Dichloroethene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
trans-1,2-Dichloroethene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2-Dichloropropane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,3-Dichloropropane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
2,2-Dichloropropane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,1-Dichloropropene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
cis-1,3-Dichloropropene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
trans-1,3-Dichloropropene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Ethylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Hexachlorobutadiene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
2-Hexanone	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
Iodomethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Isopropylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
4-Isopropyltoluene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Methyl methacrylate	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
4-Methyl-2-pentanone	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
Methylene chloride	0.0164	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
Naphthalene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
n-Propylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Styrene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Tetrachloroethene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Toluene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553

SPECIALIZED ASSAYS, INC
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A138225
Sample ID: 345 UST

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2,4-Trichlorobenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,1,1-Trichloroethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,1,2-Trichloroethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Trichloroethene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2,3-Trichloropropane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,2,4-Trimethylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
1,3,5-Trimethylbenzene	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Vinyl acetate	ND	mg/kg	0.0110	0.0089	1	9/12/99	0:03	M.Cathey	8260B	5553
Vinyl chloride	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Xylenes	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Bromodichloromethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Trichlorofluoromethane	ND	mg/kg	0.0022	0.0018	1	9/12/99	0:03	M.Cathey	8260B	5553
Methyl-t-butyl ether	ND	mg/kg	0.0110	0.0050	1	9/12/99	0:03	M.Cathey	8260B	5553
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	81.	%			1	9/16/99	11:00	A.BuFalino	CLP	1508

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
DNA's	29.8 gm	1.0 ml	9/15/99	M. Cauthen	3550
Volatile Organics	5.6 g	5.0 ml	9/10/99	M.Hinelick	5035

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	109.	48. - 160.
surr-Toluene d8	105.	79. - 119.
surr-4-Bromofluorobenzene	96.	69. - 135.
surr-Dibromofluoromethane	121.	63. - 135.
surr-Nitrobenzene-d5	52.	20. - 110.
surr-2-Fluorobiphenyl	58.	18. - 110.
surr-Terphenyl d14	71.	27. - 128.
surr-Phenol d5	72.	10. - 111.
surr-2-Fluorophenol	62.	10. - 107.
surr-2,4,6-Tribromophenol	72.	14. - 110.

Rec'd 6/12/12

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received State Use Only

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

I. OWNERSHIP OF UST (S)

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

P.O. Box 55001
Mailing Address

Beaufort,	South Carolina	29904-5001
City	State	Zip Code

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

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
Facility Name or Company Site Identifier

345 Ash Street, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

Beaufort,	Beaufort
City	County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

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

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

_____
Name (Type or print.)

_____
Signature

To be completed by Notary Public:

Sworn before me this _____ day of_____, 20____

_____
(Name)

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

VI. UST INFORMATION

A.	Product...(ex. Gas, Kerosene).....	345Ash				
B.	Capacity..(ex. 1k, 2k).....	Heating oil				
C.	Age.....	280 gal				
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s				
E.	Month/Year of Last Use.....	Steel				
F.	Depth (ft.) To Base of Tank.....	Mid 1980s				
G.	Spill Prevention Equipment Y/N.....	5'10"				
H.	Overfill Prevention Equipment Y/N.....	No				
I.	Method of Closure Removed/Filled.....	No				
J.	Date Tanks Removed/Filled.....	Removed				
K.	Visible Corrosion or Pitting Y/N.....	2/28/12				
L.	Visible Holes Y/N.....	Yes				
		Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 345Ash was removed from the ground, cleaned and recycled. See Attachment "A."

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Contaminated water was pumped from UST 345Ash and disposed by MCAS.

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

VII. PIPING INFORMATION

345Ash				
Steel & Copper				
N/A				
N/A				
Suction				
No				
Yes				
No				
Late 1950s				

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

Corrosion and pitting were found on the surface of the steel vent pipe. Copper supply and return lines were sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		X	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? If yes, indicate location on site map and describe the odor (strong, mild, etc.)		X	
C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		X	
D. Did contaminated soils remain stockpiled on site after closure? If yes, indicate the stockpile location on the site map. Name of DHEC representative authorizing soil removal:		X	
E. Was a petroleum sheen or free product detected on any excavation or boring waters? If yes, indicate location and thickness.		X	

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
345Ash	Excav at fill end	Soil	Sandy	5'10"	2/28/12 1330 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.

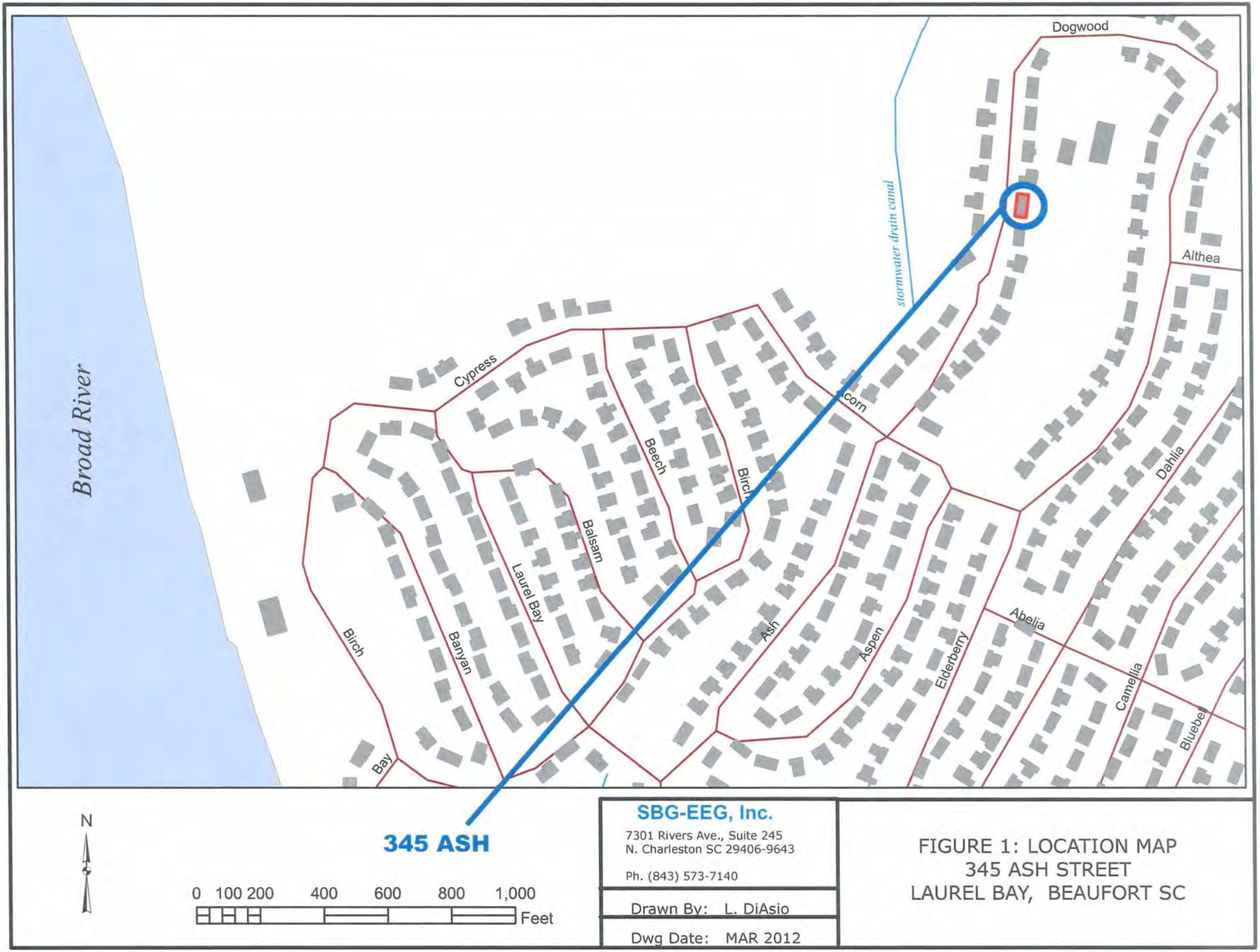
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~435' to stormwater canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water, electricity, cable & fiber optic If yes, indicate the type of utility, distance, and direction on the site map.	*X	
E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete? If yes, indicate the area of contaminated soil on the site map.		X

XIII. SITE MAP

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

(Attach Site Map Here)

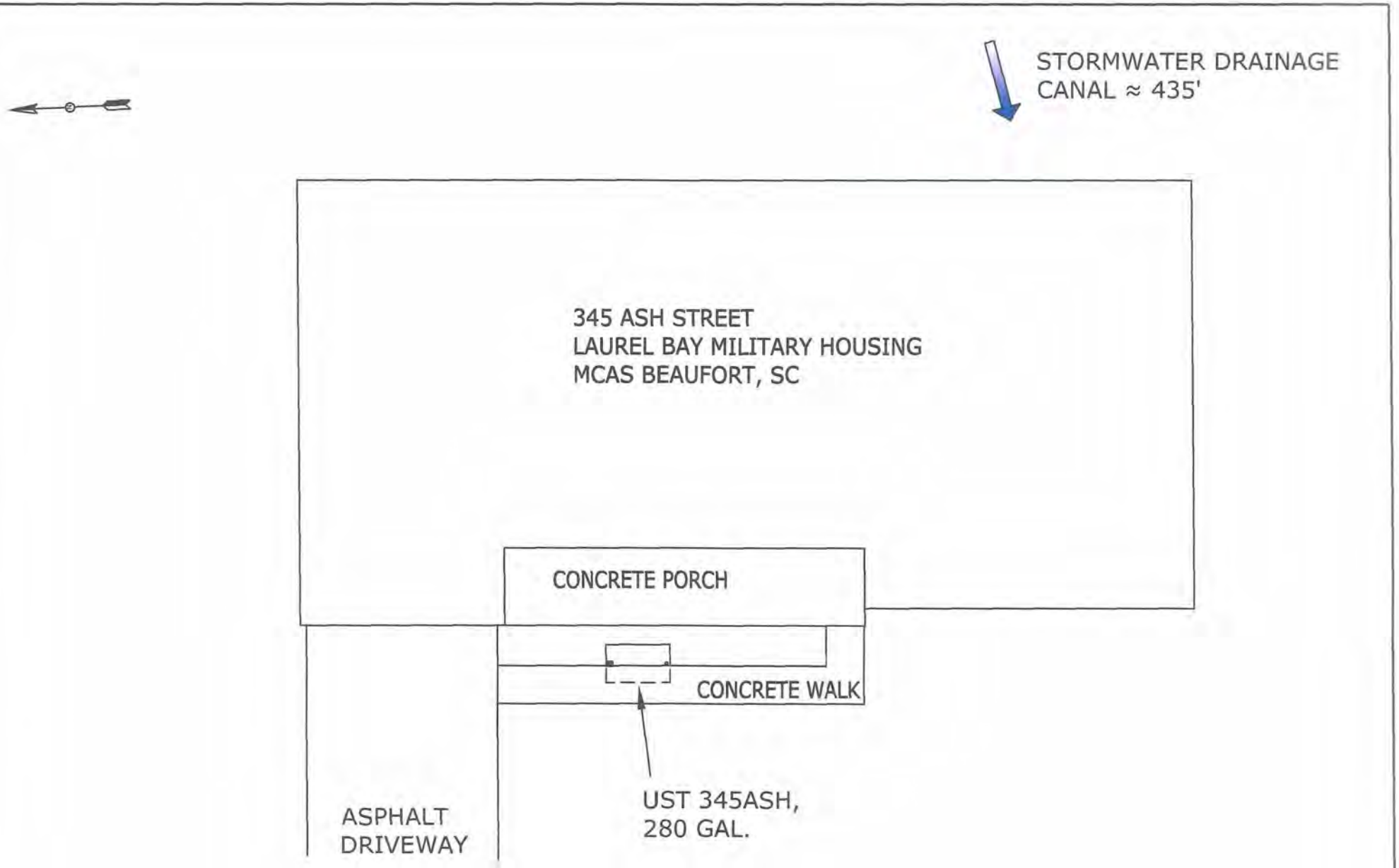


SBG-EEG, Inc.
7301 Rivers Ave., Suite 245
N. Charleston SC 29406-9643
Ph. (843) 573-7140

Drawn By: L. DiAsio

Dwg Date: MAR 2012

FIGURE 1: LOCATION MAP
345 ASH STREET
LAUREL BAY, BEAUFORT SC

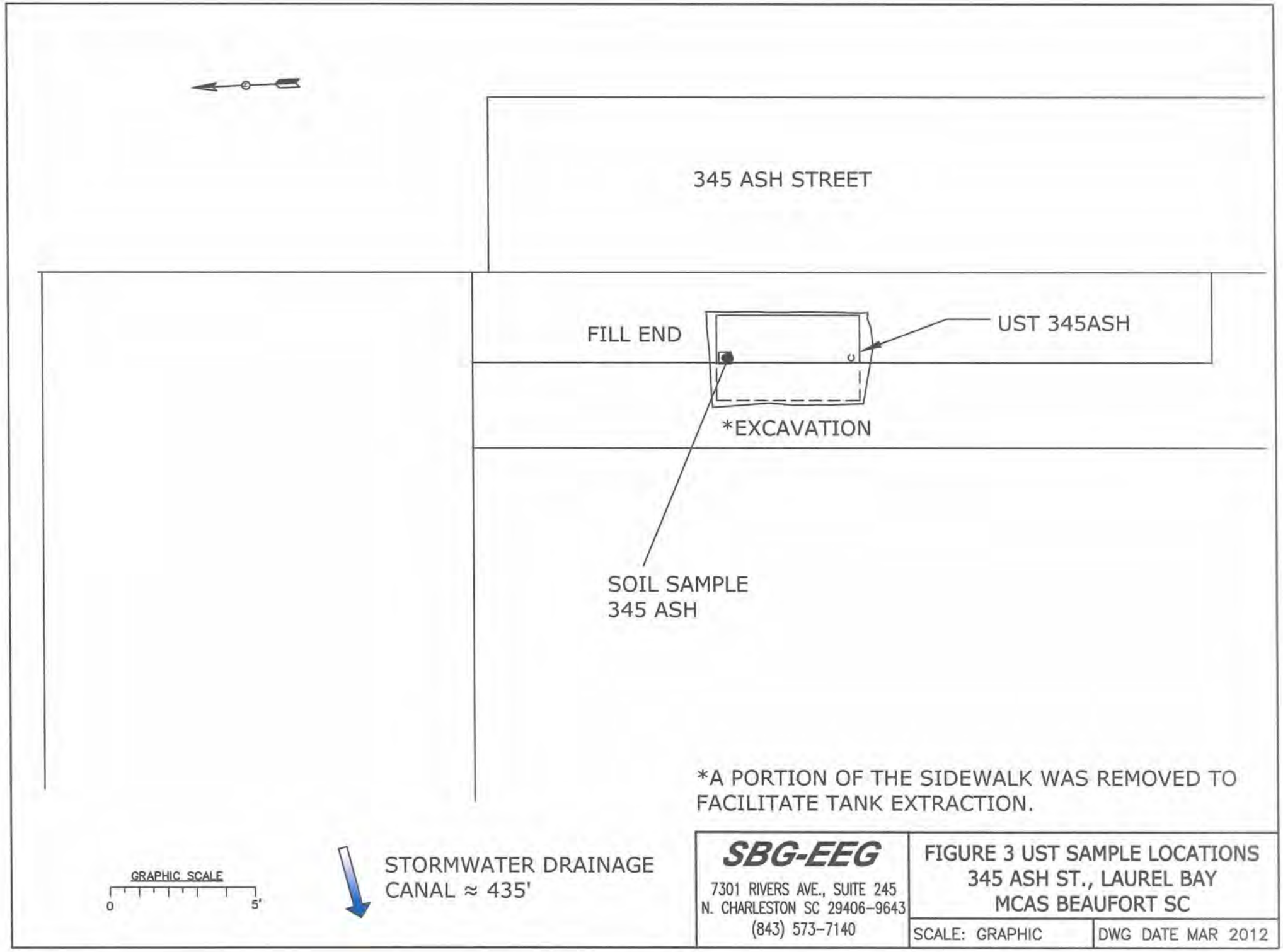


TANK DEPTH BELOW GRADE
345ASH = 34"

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 2 SITE MAP
345 ASH ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE MAR 2012



SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 3 UST SAMPLE LOCATIONS
345 ASH ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE MAR 2012

Picture 1: Location of UST 345Ash.

Picture 2: UST 345Ash tank pit.

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	345Ash						
Benzene	<0.00117 mg/kg						
Toluene	<0.00117 mg/kg						
Ethylbenzene	<0.00117 mg/kg						
Xylenes	<0.00267 mg/kg						
Naphthalene	0.0151 mg/kg						
Benzo (a) anthracene	0.146 mg/kg						
Benzo (b) fluoranthene	<0.0417 mg/kg						
Benzo (k) fluoranthene	<0.0417 mg/kg						
Chrysene	0.0786 mg/kg						
Dibenz (a, h) anthracene	<0.0417 mg/kg						
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NWC0484
Client Project/Site: [none]
Client Project Description: Laurel Bay Housing Project

For:
EEG - Small Business Group, Inc. (2449)
10179 Highway 78
Ladson, SC 29456

Attn: Tom McElwee

Authorized for release by:
3/12/2012 12:14:04 PM

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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Sample Summary

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

TestAmerica Job ID: NWC0484

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWC0484-01	345 Ash	Soil	02/28/12 13:30	03/03/12 08:20
NWC0484-02	339 Ash	Soil	03/01/12 14:30	03/03/12 08:20

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
RL1	Reporting limit raised due to sample matrix effects.

GCMS Semivolatiles

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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

TestAmerica Job ID: NWC0484

Client Sample ID: 345 Ash
Date Collected: 02/28/12 13:30
Date Received: 03/03/12 08:20

Lab Sample ID: NWC0484-01
Matrix: Soil
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00117		0.00214	0.00117	mg/kg dry		02/28/12 13:30	03/07/12 19:08	1.00
Ethylbenzene	<0.00117		0.00214	0.00117	mg/kg dry		02/28/12 13:30	03/07/12 19:08	1.00
Naphthalene	0.0151		0.00534	0.00267	mg/kg dry		02/28/12 13:30	03/07/12 19:08	1.00
Toluene	<0.00117		0.00214	0.00117	mg/kg dry		02/28/12 13:30	03/07/12 19:08	1.00
Xylenes, total	<0.00267		0.00534	0.00267	mg/kg dry		02/28/12 13:30	03/07/12 19:08	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*87*		*70 - 130*	*02/28/12 13:30*	*03/07/12 19:08*	*1.00*
Dibromofluoromethane	*99*		*70 - 130*	*02/28/12 13:30*	*03/07/12 19:08*	*1.00*
Toluene-d8	*105*		*70 - 130*	*02/28/12 13:30*	*03/07/12 19:08*	*1.00*
4-Bromofluorobenzene	*99*		*70 - 130*	*02/28/12 13:30*	*03/07/12 19:08*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Acenaphthylene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Anthracene	0.171		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Benzo (a) anthracene	0.146		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Benzo (a) pyrene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Benzo (b) fluoranthene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Benzo (g,h,i) perylene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Benzo (k) fluoranthene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Chrysene	0.0786	J	0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Dibenz (a,h) anthracene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Fluoranthene	1.07		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Fluorene	0.0434	J	0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Indeno (1,2,3-cd) pyrene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Naphthalene	<0.0417		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Phenanthrene	0.543		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
Pyrene	0.822		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
1-Methylnaphthalene	0.0458	J	0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00
2-Methylnaphthalene	0.0827		0.0822	0.0417	mg/kg dry		03/05/12 08:00	03/05/12 19:38	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*18 - 120*	*03/05/12 08:00*	*03/05/12 19:38*	*1.00*
2-Fluorobiphenyl	*61*		*14 - 120*	*03/05/12 08:00*	*03/05/12 19:38*	*1.00*
Nitrobenzene-d5	*72*		*17 - 120*	*03/05/12 08:00*	*03/05/12 19:38*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	80.2		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

Client Sample ID: 339 Ash
Date Collected: 03/01/12 14:30
Date Received: 03/03/12 08:20

Lab Sample ID: NWC0484-02
Matrix: Soil
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0332		0.00251	0.00138	mg/kg dry	☼	03/01/12 14:30	03/07/12 19:40	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*116*		*70 - 130*	*03/01/12 14:30*	*03/07/12 19:40*	*1.00*
Dibromofluoromethane	*125*		*70 - 130*	*03/01/12 14:30*	*03/07/12 19:40*	*1.00*
Toluene-d8	*255*	*ZX*	*70 - 130*	*03/01/12 14:30*	*03/07/12 19:40*	*1.00*
4-Bromofluorobenzene	*524*	*ZX*	*70 - 130*	*03/01/12 14:30*	*03/07/12 19:40*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.630		0.126	0.0692	mg/kg dry	☼	03/01/12 14:30	03/08/12 16:18	50.0
Naphthalene	8.35		0.314	0.157	mg/kg dry	☼	03/01/12 14:30	03/08/12 16:18	50.0
Toluene	0.122	J RL1	0.126	0.0692	mg/kg dry	☼	03/01/12 14:30	03/08/12 16:18	50.0
Xylenes, total	4.91		0.314	0.157	mg/kg dry	☼	03/01/12 14:30	03/08/12 16:18	50.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*88*		*70 - 130*	*03/01/12 14:30*	*03/08/12 16:18*	*50.0*
Dibromofluoromethane	*83*		*70 - 130*	*03/01/12 14:30*	*03/08/12 16:18*	*50.0*
Toluene-d8	*108*		*70 - 130*	*03/01/12 14:30*	*03/08/12 16:18*	*50.0*
4-Bromofluorobenzene	*102*		*70 - 130*	*03/01/12 14:30*	*03/08/12 16:18*	*50.0*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	3.05		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Acenaphthylene	1.33		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Anthracene	0.953		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Benzo (a) anthracene	0.358		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Benzo (a) pyrene	0.313	J	0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Benzo (b) fluoranthene	0.569		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Benzo (g,h,i) perylene	0.315	J	0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Benzo (k) fluoranthene	0.254	J	0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Chrysene	0.724		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Dibenz (a,h) anthracene	<0.168		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Fluoranthene	0.638		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Fluorene	7.12		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Indeno (1,2,3-cd) pyrene	0.305	J	0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Naphthalene	13.8		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Phenanthrene	15.4		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00
Pyrene	1.17		0.331	0.168	mg/kg dry	☼	03/05/12 08:00	03/05/12 19:59	2.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*71*		*18 - 120*	*03/05/12 08:00*	*03/05/12 19:59*	*2.00*
2-Fluorobiphenyl	*87*		*14 - 120*	*03/05/12 08:00*	*03/05/12 19:59*	*2.00*
Nitrobenzene-d5	*119*		*17 - 120*	*03/05/12 08:00*	*03/05/12 19:59*	*2.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	31.9		1.66	0.841	mg/kg dry	☼	03/05/12 08:00	03/05/12 22:28	10.0
2-Methylnaphthalene	57.3		1.66	0.841	mg/kg dry	☼	03/05/12 08:00	03/05/12 22:28	10.0

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

TestAmerica Job ID: NWC0484

Client Sample ID: 339 Ash
Date Collected: 03/01/12 14:30
Date Received: 03/03/12 08:20

Lab Sample ID: NWC0484-02
Matrix: Soil
Percent Solids: 80.8

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	80.8		0.500	0.500	%		03/05/12 11:46	03/06/12 09:34	1.00

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

Lab Sample ID: 12B6359-BLK1
Matrix: Soil
Analysis Batch: V003890

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12B6359_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/07/12 10:34	03/07/12 12:39	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/07/12 10:34	03/07/12 12:39	1.00
Naphthalene	<0.00250		0.00500	0.00250	mg/kg wet		03/07/12 10:34	03/07/12 12:39	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/07/12 10:34	03/07/12 12:39	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/07/12 10:34	03/07/12 12:39	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*86*		*70 - 130*	*03/07/12 10:34*	*03/07/12 12:39*	*1.00*
Dibromofluoromethane	*96*		*70 - 130*	*03/07/12 10:34*	*03/07/12 12:39*	*1.00*
Toluene-d8	*102*		*70 - 130*	*03/07/12 10:34*	*03/07/12 12:39*	*1.00*
4-Bromofluorobenzene	*95*		*70 - 130*	*03/07/12 10:34*	*03/07/12 12:39*	*1.00*

Lab Sample ID: 12B6359-BLK2
Matrix: Soil
Analysis Batch: V003890

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12B6359_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0550		0.100	0.0550	mg/kg wet		03/07/12 10:34	03/07/12 13:10	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		03/07/12 10:34	03/07/12 13:10	50.0
Naphthalene	<0.125		0.250	0.125	mg/kg wet		03/07/12 10:34	03/07/12 13:10	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		03/07/12 10:34	03/07/12 13:10	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		03/07/12 10:34	03/07/12 13:10	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*84*		*70 - 130*	*03/07/12 10:34*	*03/07/12 13:10*	*50.0*
Dibromofluoromethane	*97*		*70 - 130*	*03/07/12 10:34*	*03/07/12 13:10*	*50.0*
Toluene-d8	*103*		*70 - 130*	*03/07/12 10:34*	*03/07/12 13:10*	*50.0*
4-Bromofluorobenzene	*91*		*70 - 130*	*03/07/12 10:34*	*03/07/12 13:10*	*50.0*

Lab Sample ID: 12B6359-BS1
Matrix: Soil
Analysis Batch: V003890

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12B6359_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	61.2		ug/kg		122	75 - 127
Ethylbenzene	50.0	52.7		ug/kg		105	80 - 134
Naphthalene	50.0	49.2		ug/kg		98	69 - 150
Toluene	50.0	58.9		ug/kg		118	80 - 132
Xylenes, total	150	156		ug/kg		104	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*86*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8	*102*		*70 - 130*
4-Bromofluorobenzene	*94*		*70 - 130*

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

Lab Sample ID: 12B6359-MS1
Matrix: Soil
Analysis Batch: V003890

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12B6359_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0159		0.0419	0.0696		mg/kg wet		128	31 - 143
Ethylbenzene	0.00561		0.0419	0.0463		mg/kg wet		97	23 - 161
Naphthalene	<0.00226		0.0419	0.0146		mg/kg wet		35	10 - 176
Toluene	0.0461		0.0419	0.0901		mg/kg wet		105	30 - 155
Xylenes, total	0.0733		0.126	0.182		mg/kg wet		87	25 - 162

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8	*112*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*

Lab Sample ID: 12B6359-MSD1
Matrix: Soil
Analysis Batch: V003890

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 12B6359_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0159		0.0484	0.0705		mg/kg wet		113	31 - 143	1	50
Ethylbenzene	0.00561		0.0484	0.0436		mg/kg wet		79	23 - 161	6	50
Naphthalene	<0.00226		0.0484	0.0125		mg/kg wet		26	10 - 176	16	50
Toluene	0.0461		0.0484	0.0909		mg/kg wet		93	30 - 155	0.9	50
Xylenes, total	0.0733		0.145	0.170		mg/kg wet		67	25 - 162	7	50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*70 - 130*
Dibromofluoromethane	*95*		*70 - 130*
Toluene-d8	*112*		*70 - 130*
4-Bromofluorobenzene	*104*		*70 - 130*

Lab Sample ID: 12C1779-BLK1
Matrix: Soil
Analysis Batch: V004113

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12C1779_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 12:38	03/08/12 15:15	1.00
Ethylbenzene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 12:38	03/08/12 15:15	1.00
Naphthalene	<0.00250		0.00500	0.00250	mg/kg wet		03/08/12 12:38	03/08/12 15:15	1.00
Toluene	<0.00110		0.00200	0.00110	mg/kg wet		03/08/12 12:38	03/08/12 15:15	1.00
Xylenes, total	<0.00250		0.00500	0.00250	mg/kg wet		03/08/12 12:38	03/08/12 15:15	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*86*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:15*	*1.00*
Dibromofluoromethane	*91*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:15*	*1.00*
Toluene-d8	*110*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:15*	*1.00*
4-Bromofluorobenzene	*97*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:15*	*1.00*

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

Lab Sample ID: 12C1779-BLK2
Matrix: Soil
Analysis Batch: V004113

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12C1779_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 12:38	03/08/12 15:47	50.0
Ethylbenzene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 12:38	03/08/12 15:47	50.0
Naphthalene	<0.125		0.250	0.125	mg/kg wet		03/08/12 12:38	03/08/12 15:47	50.0
Toluene	<0.0550		0.100	0.0550	mg/kg wet		03/08/12 12:38	03/08/12 15:47	50.0
Xylenes, total	<0.125		0.250	0.125	mg/kg wet		03/08/12 12:38	03/08/12 15:47	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*88*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:47*	*50.0*
Dibromofluoromethane	*94*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:47*	*50.0*
Toluene-d8	*109*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:47*	*50.0*
4-Bromofluorobenzene	*95*		*70 - 130*	*03/08/12 12:38*	*03/08/12 15:47*	*50.0*

Lab Sample ID: 12C1779-BS1
Matrix: Soil
Analysis Batch: V004113

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12C1779_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	53.2		ug/kg		106	75 - 127
Ethylbenzene	50.0	52.6		ug/kg		105	80 - 134
Naphthalene	50.0	51.9		ug/kg		104	69 - 150
Toluene	50.0	58.2		ug/kg		116	80 - 132
Xylenes, total	150	154		ug/kg		103	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*87*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*
Toluene-d8	*111*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*

Lab Sample ID: 12C1779-MS1
Matrix: Soil
Analysis Batch: V004113

Client Sample ID: 339 Ash
Prep Type: Total
Prep Batch: 12C1779_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		3.14	3.22		mg/kg dry	☼	103	31 - 143
Ethylbenzene	0.630		3.14	4.54		mg/kg dry	☼	124	23 - 161
Naphthalene	8.35		3.14	10.6		mg/kg dry	☼	73	10 - 176
Toluene	0.122	J RL1	3.14	4.06		mg/kg dry	☼	125	30 - 155
Xylenes, total	4.91		9.43	16.4		mg/kg dry	☼	122	25 - 162

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*82*		*70 - 130*
Dibromofluoromethane	*89*		*70 - 130*
Toluene-d8	*109*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*

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

Lab Sample ID: 12C1779-MSD1
Matrix: Soil
Analysis Batch: V004113

Client Sample ID: 339 Ash
Prep Type: Total
Prep Batch: 12C1779_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		3.14	3.41		mg/kg dry	☼	109	31 - 143	6	50
Ethylbenzene	0.630		3.14	4.33		mg/kg dry	☼	118	23 - 161	5	50
Naphthalene	8.35		3.14	11.1		mg/kg dry	☼	88	10 - 176	4	50
Toluene	0.122	J RL1	3.14	3.92		mg/kg dry	☼	121	30 - 155	4	50
Xylenes, total	4.91		9.43	15.5		mg/kg dry	☼	112	25 - 162	6	50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*85*		*70 - 130*
Dibromofluoromethane	*90*		*70 - 130*
Toluene-d8	*107*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*

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

Lab Sample ID: 12C0690-BLK1
Matrix: Soil
Analysis Batch: 12C0690

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12C0690_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Acenaphthylene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Benzo (a) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Benzo (a) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Benzo (b) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Benzo (g,h,i) perylene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Benzo (k) fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Chrysene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Dibenz (a,h) anthracene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Fluoranthene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Fluorene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Indeno (1,2,3-cd) pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Naphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Phenanthrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
Pyrene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
1-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00
2-Methylnaphthalene	<0.0340		0.0670	0.0340	mg/kg wet		03/05/12 08:00	03/05/12 18:15	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*79*		*18 - 120*	*03/05/12 08:00*	*03/05/12 18:15*	*1.00*
2-Fluorobiphenyl	*62*		*14 - 120*	*03/05/12 08:00*	*03/05/12 18:15*	*1.00*
Nitrobenzene-d5	*70*		*17 - 120*	*03/05/12 08:00*	*03/05/12 18:15*	*1.00*

Lab Sample ID: 12C0690-BS1
Matrix: Soil
Analysis Batch: 12C0690

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12C0690_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.22		mg/kg wet		73	36 - 120

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

Lab Sample ID: 12C0690-BS1
Matrix: Soil
Analysis Batch: 12C0690

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12C0690_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.08		mg/kg wet		65	38 - 120
Anthracene	1.67	1.28		mg/kg wet		77	46 - 124
Benzo (a) anthracene	1.67	1.25		mg/kg wet		75	45 - 120
Benzo (a) pyrene	1.67	1.30		mg/kg wet		78	45 - 120
Benzo (b) fluoranthene	1.67	1.32		mg/kg wet		79	42 - 120
Benzo (g,h,i) perylene	1.67	1.25		mg/kg wet		75	38 - 120
Benzo (k) fluoranthene	1.67	1.13		mg/kg wet		68	42 - 120
Chrysene	1.67	1.18		mg/kg wet		71	43 - 120
Dibenz (a,h) anthracene	1.67	1.25		mg/kg wet		75	32 - 128
Fluoranthene	1.67	1.31		mg/kg wet		79	46 - 120
Fluorene	1.67	1.24		mg/kg wet		75	42 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.25		mg/kg wet		75	41 - 121
Naphthalene	1.67	1.18		mg/kg wet		71	32 - 120
Phenanthrene	1.67	1.26		mg/kg wet		75	45 - 120
Pyrene	1.67	1.28		mg/kg wet		77	43 - 120
1-Methylnaphthalene	1.67	0.867		mg/kg wet		52	32 - 120
2-Methylnaphthalene	1.67	1.13		mg/kg wet		68	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*74*		*18 - 120*
2-Fluorobiphenyl	*57*		*14 - 120*
Nitrobenzene-d5	*62*		*17 - 120*

Lab Sample ID: 12C0690-MS1
Matrix: Soil
Analysis Batch: 12C0690

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12C0690_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.0427		2.10	1.71		mg/kg dry	☼	81	19 - 120
Acenaphthylene	<0.0427		2.10	1.49		mg/kg dry	☼	71	25 - 120
Anthracene	<0.0427		2.10	1.85		mg/kg dry	☼	88	28 - 125
Benzo (a) anthracene	<0.0427		2.10	1.91		mg/kg dry	☼	91	23 - 120
Benzo (a) pyrene	<0.0427		2.10	1.93		mg/kg dry	☼	92	15 - 128
Benzo (b) fluoranthene	<0.0427		2.10	1.97		mg/kg dry	☼	94	12 - 133
Benzo (g,h,i) perylene	<0.0427		2.10	1.78		mg/kg dry	☼	85	22 - 120
Benzo (k) fluoranthene	<0.0427		2.10	1.64		mg/kg dry	☼	78	28 - 120
Chrysene	<0.0427		2.10	1.77		mg/kg dry	☼	84	20 - 120
Dibenz (a,h) anthracene	<0.0427		2.10	1.73		mg/kg dry	☼	83	12 - 128
Fluoranthene	<0.0427		2.10	2.29		mg/kg dry	☼	109	10 - 143
Fluorene	<0.0427		2.10	1.73		mg/kg dry	☼	82	20 - 120
Indeno (1,2,3-cd) pyrene	<0.0427		2.10	1.76		mg/kg dry	☼	84	22 - 121
Naphthalene	<0.0427		2.10	1.66		mg/kg dry	☼	79	10 - 120
Phenanthrene	<0.0427		2.10	2.04		mg/kg dry	☼	97	21 - 122
Pyrene	<0.0427		2.10	2.13		mg/kg dry	☼	102	20 - 123
1-Methylnaphthalene	<0.0427		2.10	1.21		mg/kg dry	☼	58	10 - 120
2-Methylnaphthalene	<0.0427		2.10	1.57		mg/kg dry	☼	75	13 - 120

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
Terphenyl-d14	*76*		*18 - 120*

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

Lab Sample ID: 12C0690-MS1
Matrix: Soil
Analysis Batch: 12C0690

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12C0690_P

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*14 - 120*
Nitrobenzene-d5	*71*		*17 - 120*

Lab Sample ID: 12C0690-MSD1
Matrix: Soil
Analysis Batch: 12C0690

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 12C0690_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	<0.0427		2.06	1.52		mg/kg dry	☼	74	19 - 120	11	50
Acenaphthylene	<0.0427		2.06	1.37		mg/kg dry	☼	66	25 - 120	9	50
Anthracene	<0.0427		2.06	1.58		mg/kg dry	☼	77	28 - 125	16	49
Benzo (a) anthracene	<0.0427		2.06	1.59		mg/kg dry	☼	77	23 - 120	18	50
Benzo (a) pyrene	<0.0427		2.06	1.62		mg/kg dry	☼	79	15 - 128	18	50
Benzo (b) fluoranthene	<0.0427		2.06	1.67		mg/kg dry	☼	81	12 - 133	17	50
Benzo (g,h,i) perylene	<0.0427		2.06	1.51		mg/kg dry	☼	73	22 - 120	17	50
Benzo (k) fluoranthene	<0.0427		2.06	1.37		mg/kg dry	☼	67	28 - 120	18	45
Chrysene	<0.0427		2.06	1.48		mg/kg dry	☼	72	20 - 120	18	49
Dibenz (a,h) anthracene	<0.0427		2.06	1.53		mg/kg dry	☼	74	12 - 128	12	50
Fluoranthene	<0.0427		2.06	1.59		mg/kg dry	☼	77	10 - 143	36	50
Fluorene	<0.0427		2.06	1.55		mg/kg dry	☼	75	20 - 120	11	50
Indeno (1,2,3-cd) pyrene	<0.0427		2.06	1.53		mg/kg dry	☼	74	22 - 121	14	50
Naphthalene	<0.0427		2.06	1.54		mg/kg dry	☼	75	10 - 120	7	50
Phenanthrene	<0.0427		2.06	1.53		mg/kg dry	☼	74	21 - 122	28	50
Pyrene	<0.0427		2.06	1.62		mg/kg dry	☼	79	20 - 123	28	50
1-Methylnaphthalene	<0.0427		2.06	1.12		mg/kg dry	☼	54	10 - 120	7	50
2-Methylnaphthalene	<0.0427		2.06	1.46		mg/kg dry	☼	71	13 - 120	7	50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Terphenyl-d14	*73*		*18 - 120*
2-Fluorobiphenyl	*59*		*14 - 120*
Nitrobenzene-d5	*67*		*17 - 120*

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 12C0768-DUP1
Matrix: Soil
Analysis Batch: 12C0768

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 12C0768_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	81.9			79.8		%				3	20

GCMS Volatiles

Analysis Batch: V003890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6359-BLK1	Method Blank	Total	Soil	SW846 8260B	12B6359_P
12B6359-BLK2	Method Blank	Total	Soil	SW846 8260B	12B6359_P
12B6359-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12B6359_P
12B6359-MS1	Matrix Spike	Total	Soil	SW846 8260B	12B6359_P
12B6359-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8260B	12B6359_P
NWC0484-01	345 Ash	Total	Soil	SW846 8260B	12B6359_P
NWC0484-02	339 Ash	Total	Soil	SW846 8260B	12B6359_P

Analysis Batch: V004113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1779-BLK1	Method Blank	Total	Soil	SW846 8260B	12C1779_P
12C1779-BLK2	Method Blank	Total	Soil	SW846 8260B	12C1779_P
12C1779-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12C1779_P
12C1779-MS1	339 Ash	Total	Soil	SW846 8260B	12C1779_P
12C1779-MSD1	339 Ash	Total	Soil	SW846 8260B	12C1779_P
NWC0484-02 - RE1	339 Ash	Total	Soil	SW846 8260B	12C1779_P

Prep Batch: 12B6359_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B6359-BLK1	Method Blank	Total	Soil	EPA 5035	
12B6359-BLK2	Method Blank	Total	Soil	EPA 5035	
12B6359-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12B6359-MS1	Matrix Spike	Total	Soil	EPA 5035	
12B6359-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035	
NWC0484-01	345 Ash	Total	Soil	EPA 5035	
NWC0484-02	339 Ash	Total	Soil	EPA 5035	

Prep Batch: 12C1779_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C1779-BLK1	Method Blank	Total	Soil	EPA 5035	
12C1779-BLK2	Method Blank	Total	Soil	EPA 5035	
12C1779-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12C1779-MS1	339 Ash	Total	Soil	EPA 5035	
12C1779-MSD1	339 Ash	Total	Soil	EPA 5035	
NWC0484-02 - RE1	339 Ash	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 12C0690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0690-BLK1	Method Blank	Total	Soil	SW846 8270D	12C0690_P
12C0690-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12C0690_P
12C0690-MS1	Matrix Spike	Total	Soil	SW846 8270D	12C0690_P
12C0690-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8270D	12C0690_P
NWC0484-01	345 Ash	Total	Soil	SW846 8270D	12C0690_P
NWC0484-02	339 Ash	Total	Soil	SW846 8270D	12C0690_P
NWC0484-02 - RE1	339 Ash	Total	Soil	SW846 8270D	12C0690_P

Prep Batch: 12C0690_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0690-BLK1	Method Blank	Total	Soil	EPA 3550C	
12C0690-BS1	Lab Control Sample	Total	Soil	EPA 3550C	

GCMS Semivolatiles (Continued)

Prep Batch: 12C0690_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0690-MS1	Matrix Spike	Total	Soil	EPA 3550C	
12C0690-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 3550C	
NWC0484-01	345 Ash	Total	Soil	EPA 3550C	
NWC0484-02	339 Ash	Total	Soil	EPA 3550C	
NWC0484-02 - RE1	339 Ash	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 12C0768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0768-DUP1	Duplicate	Total	Soil	SW-846	12C0768_P
NWC0484-01	345 Ash	Total	Soil	SW-846	12C0768_P
NWC0484-02	339 Ash	Total	Soil	SW-846	12C0768_P

Prep Batch: 12C0768_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12C0768-DUP1	Duplicate	Total	Soil	% Solids	
NWC0484-01	345 Ash	Total	Soil	% Solids	
NWC0484-02	339 Ash	Total	Soil	% Solids	

Lab Chronicle

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

TestAmerica Job ID: NWC0484

Client Sample ID: 345 Ash

Lab Sample ID: NWC0484-01

Date Collected: 02/28/12 13:30
Matrix: Soil
Date Received: 03/03/12 08:20
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.856	12B6359_P	02/28/12 13:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003890	03/07/12 19:08	KKK H	TAL NSH
Total	Prep	EPA 3550C		0.984	12C0690_P	03/05/12 08:00	KDJ	TAL NSH
Total	Analysis	SW846 8270D		1.00	12C0690	03/05/12 19:38	WLS	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

Client Sample ID: 339 Ash

Lab Sample ID: NWC0484-02

Date Collected: 03/01/12 14:30
Matrix: Soil
Date Received: 03/03/12 08:20
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.01	12B6359_P	03/01/12 14:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V003890	03/07/12 19:40	KKK H	TAL NSH
Total	Prep	EPA 5035	RE1	1.02	12C1779_P	03/01/12 14:30	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	V004113	03/08/12 16:18	KKK H	TAL NSH
Total	Prep	EPA 3550C		2.00	12C0690_P	03/05/12 08:00	KDJ	TAL NSH
Total	Analysis	SW846 8270D		2.00	12C0690	03/05/12 19:59	WLS	TAL NSH
Total	Prep	EPA 3550C	RE1	2.00	12C0690_P	03/05/12 08:00	KDJ	TAL NSH
Total	Analysis	SW846 8270D	RE1	10.0	12C0690	03/05/12 22:28	WLS	TAL NSH
Total	Prep	% Solids		1.00	12C0768_P	03/05/12 11:46	RRS	TAL NSH
Total	Analysis	SW-846		1.00	12C0768	03/06/12 09:34	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

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

TestAmerica Job ID: NWC0484

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Polyaromatic Hydrocarbons by EPA 8270D		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

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

TestAmerica Job ID: NWC0484

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

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

PO#: 1027

Telephone Number: 843.412.2097

Fax No.: 843-879-0401

TA Quote #:

Sampler Name: (Print) Pratt Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	Room Temp (Clear 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	RUSH TAT (Pre-Schedule)
345 Ash	2/28/12	1330	5	X					2				2	1					X		X	X	
339 Ash	3/1/12	1430	5	X					2				2	1					X		X	X	

NWC0484
03/19/12 23:59

Special Instructions:

Method of Shipment: FEDEX

Laboratory Comments:
Temperature Upon Receipt: 0.4
VOCs Free of Headspace? Y

Relinquished by:	Date	Time	Received by:	Date	Time
	3/2/12	1000	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			James Brathers	3/3/12	8:20

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3/12/2012

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

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

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

TANK ID & LOCATION

UST 345Ash; 345 Ash Street, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

Coastal Auto Salvage Co., Inc.
130 Laurel Bay Road
Beaufort, S.C. 29906

TYPE OF TANK	SIZE (GAL)
Steel	280

CLEANING/DISPOSAL METHOD

The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

DISPOSAL CERTIFICATION

I certify that the above tank, piping and equipment has been properly cleaned and disposed of.

T.R. McGee / 3/14/12

(Name) (Date)

Appendix C
Regulatory Correspondence

Healthy People. Healthy Communities.

December 14, 2016

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

RE: No Further Action
Laurel Bay Underground Storage Tank Assessment Reports

Dear Mr. Drawdy:

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

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

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

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

Sincerely,

Laurel Petrus, Environmental Engineer Associate
RCRA Federal Facilities Section

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

Attachment to: Petrus to Drawdy
Subject: No Further Action
Dated December 14, 2016

Laurel Bay Underground Assessment Reports for (5 addresses/9 tanks)

No Further Action recommendation:	
255 Beech Tank 1	770 Althea Tank 1
255 Beech Tank 2	770 Althea Tank 2
345 Ash Tank 1	772 Althea Tank 1
345 Ash Tank 2	772 Althea Tank 2
603 Dahlia	