SUMMARY REPORT

164 ELDERBERRY DRIVE (FORMERLY 417 ELDERBERRY 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 SUMMARY REPORT

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9324 Virginia Avenue Norfolk, Virginia 23511-3095

Prepared by:



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

Contract Number: N62470-14-D-9016

CTO WE52

JUNE 2021



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List of Acronyms

bgs below ground surface

BTEX benzene, toluene, ethylbenzene, and xylenes

CTO Contract Task Order

COPC constituents of potential concern

IDIQ Indefinite Delivery, Indefinite Quantity

IGWA Initial Groundwater Assessment

JV Joint Venture

LBMH Laurel Bay Military Housing MCAS Marine Corps Air Station

NAVFAC Mid-Lant Naval Facilities Engineering Command Mid-Atlantic

NFA No Further Action

PAH polynuclear aromatic hydrocarbon

QAPP Quality Assurance Program Plan

RBSL risk-based screening level

SCDHEC South Carolina Department of Health and Environmental Control

Site LBMH area at MCAS Beaufort, South Carolina

UST underground storage tank

VISL vapor intrusion screening level



1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 164 Elderberry Drive (Formerly 417 Elderberry 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 164 Elderberry Drive (Formerly 417 Elderberry Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 417 Elderberry Drive* (MCAS Beaufort, 2010). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On November 9, 2009, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the driveway at 164 Elderberry Drive (Formerly 417 Elderberry 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 6'0" 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 164 Elderberry Drive (Formerly 417 Elderberry 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 164 Elderberry Drive (Formerly 417 Elderberry Drive). This NFA determination was obtained in a letter dated September 9, 2010. 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 – 417 Elderberry Drive, Laurel Bay Military Housing Area, February 2010.

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 164 Elderberry Drive (Formerly 417 Elderberry Drive) Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

Constituent	SCDHEC RBSLs (1)	Results Sample Collected 11/09/09					
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:

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.

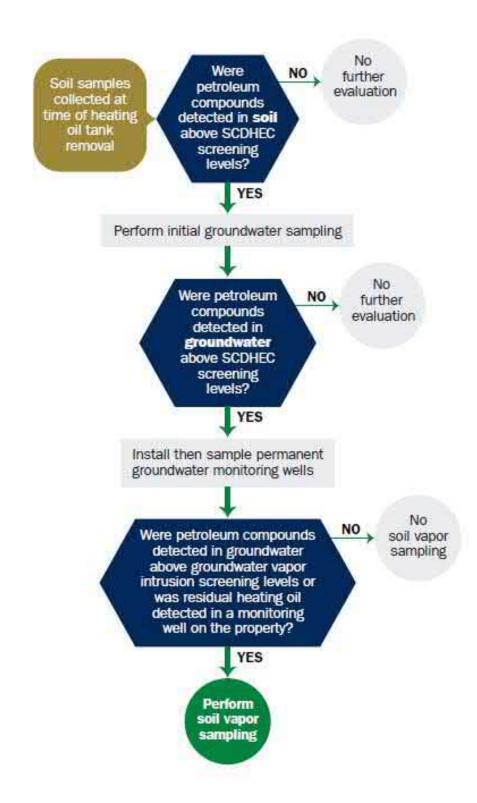
RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

⁽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).

Appendix A Multi-Media Selection Process for LBMH





Appendix A - Multi-Media Selection Process for LBMH

Appendix B UST Assessment Report



South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank (UST) Assessment Report



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
417 Elderberry Drive, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)
Beaufort, Beaufort
City County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement
The petroleum release reported to DHEC on at Permit ID Number may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. This section must be completed.
Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? YES NO (check one)
If you answered YES to the above question, please complete the following information:
My policy provider is: The policy deductible is: The policy limit is:
If you have this type of insurance, please include a copy of the policy with this report.
IV. REQUEST FOR SUPERB FUNDING
I DO / DO NOT wish to participate in the SUPERB Program. (Circle one.)
V. CERTIFICATION (To be signed by the UST owner)
I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.
Name (Type or print.)
Signature
To be completed by Notary Public:
Sworn before me this day of, 20
(Name)
Notary Public for the state of Please affix State seal if you are commissioned outside South Carolina

417 Elderberry			
Heating oil			
280 gal			
Late 1950s			
Steel			
Unknown			
6'			
No			
No			
Removed			
11/9/09			
Yes			
Yes			
m the ground a			ıt <u>a</u>
es, or wastewaters ren		`	
ously filled wit	th sand by	y other	s
	280 gal Late 1950s Steel Unknown 6' No No Removed 11/9/09 Yes Yes e ground (attach dispontant "A".	Late 1950s Steel Unknown 6' No No Removed 11/9/09 Yes Yes The ground (attach disposal manifests) and the ground and disposal manifests) ament "A".	280 gal Late 1950s Steel Unknown 6' No No Removed 11/9/09 Yes Yes e ground (attach disposal manifests) on the ground and disposed of a

VII. PIPING INFORMATION

	Elderberry	
	Steel	<u> </u>
Construction Material(ex. Steel, FRP)	& Copper	
Distance from UST to Dispenser	N/A	
Number of Dispensers	N/A	
Type of System Pressure or Suction	Suction	
Was Piping Removed from the Ground? Y/N	Yes	
Visible Corrosion or Pitting Y/N	Yes	
Visible Holes Y/N	No	
Age	Late 1950s	
if any corrosion, pitting, or notes were observed, or	describe the location and extent for each piping	g n
	describe the location and extent for each piping	
Corrosion and pitting were found	on the surface of the steel ve	
	on the surface of the steel ve	
Corrosion and pitting were found	on the surface of the steel ve	
Corrosion and pitting were found	on the surface of the steel ve	
Corrosion and pitting were found pipe. Copper supply and return 1	on the surface of the steel verines were sound.	
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Corrosion and pitting were found pipe. Copper supply and return I VIII. BRIEF SITE DESCR The USTs at the residences are contained fuel oil:	ines were sound. IPTION AND HISTORY Instructed of single wall steel for heating. These USTs were	
Corrosion and pitting were found pipe. Copper supply and return I VIII. BRIEF SITE DESCR The USTs at the residences are contained fuel oil:	ines were sound. IPTION AND HISTORY Instructed of single wall steel for heating. These USTs were	
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Corrosion and pitting were found pipe. Copper supply and return I VIII. BRIEF SITE DESCR The USTs at the residences are contained fuel oil:	ines were sound. IPTION AND HISTORY Instructed of single wall steel for heating. These USTs were	

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.		Х	
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,		Х	
mild, etc.) C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		Х	
D. Did contaminated soils remain stockpiled on site after closure? If yes, indicate the stockpile location on the site map.		Х	
Name of DHEC representative authorizing soil removal:			
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 84009001

В.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA#
417 El- derberry	Excav at	Soil	Sandy	6'	11/09/09 1135 hrs	P. Shaw	
derberry	TITE CHO	5011	Janay		1135 1115	r. Bliaw	
8							
9							
10		,			-		
11							
12							
13							
14							
15	· ·						
16							
17							-
18							
19							
20					1.0		

^{* =} Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect <u>and</u> 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.

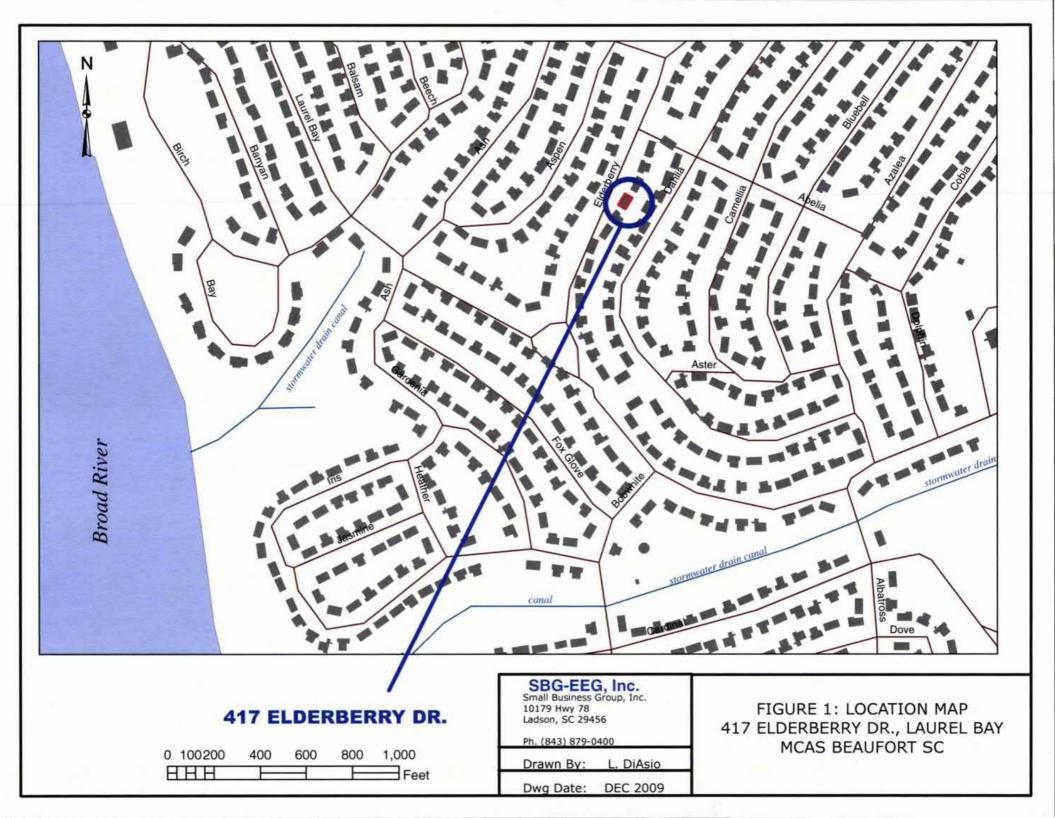
XII. RECEPTORS

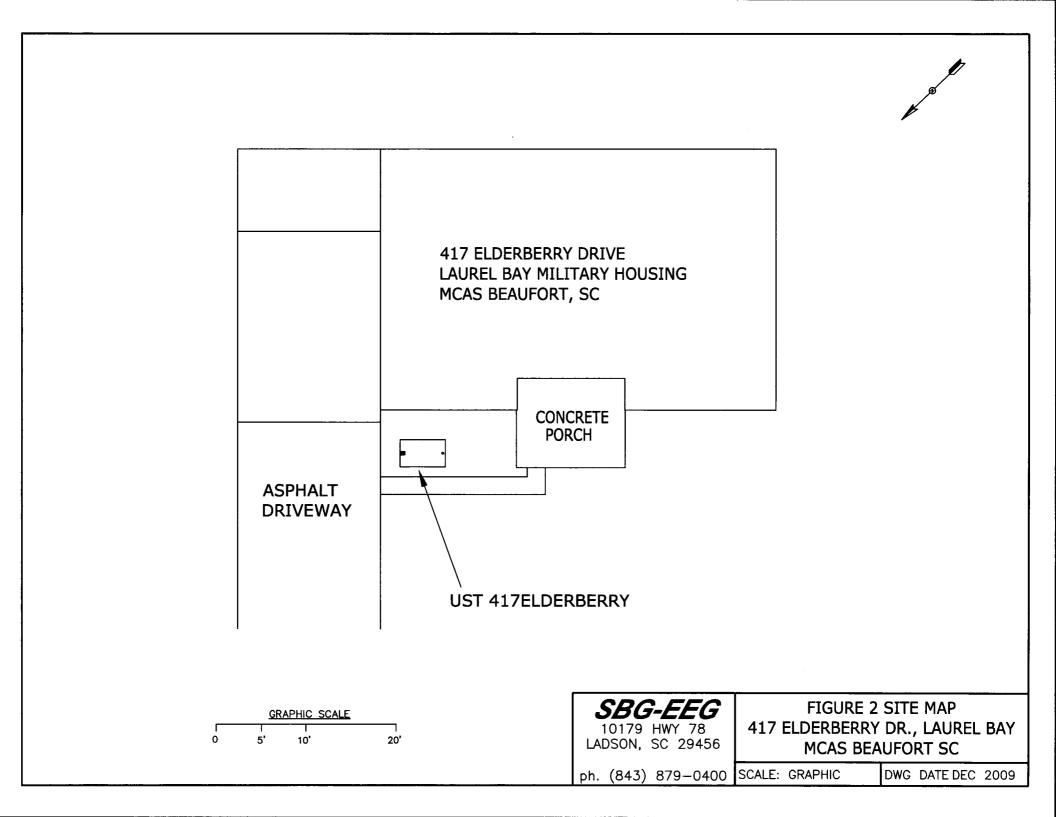
		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?		Х
	If yes, indicate type of receptor, distance, and direction on site map.		
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?		Х
	If yes, indicate type of well, distance, and direction on site map.		
C.	Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?		х
	If yes, indicate type of structure, distance, and direction on site map.		
D.	Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer and water	*X	
	If yes, indicate the type of utility, distance, and direction on the site map.		
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?		Х
	If yes, indicate the area of contaminated soil on the site map.		

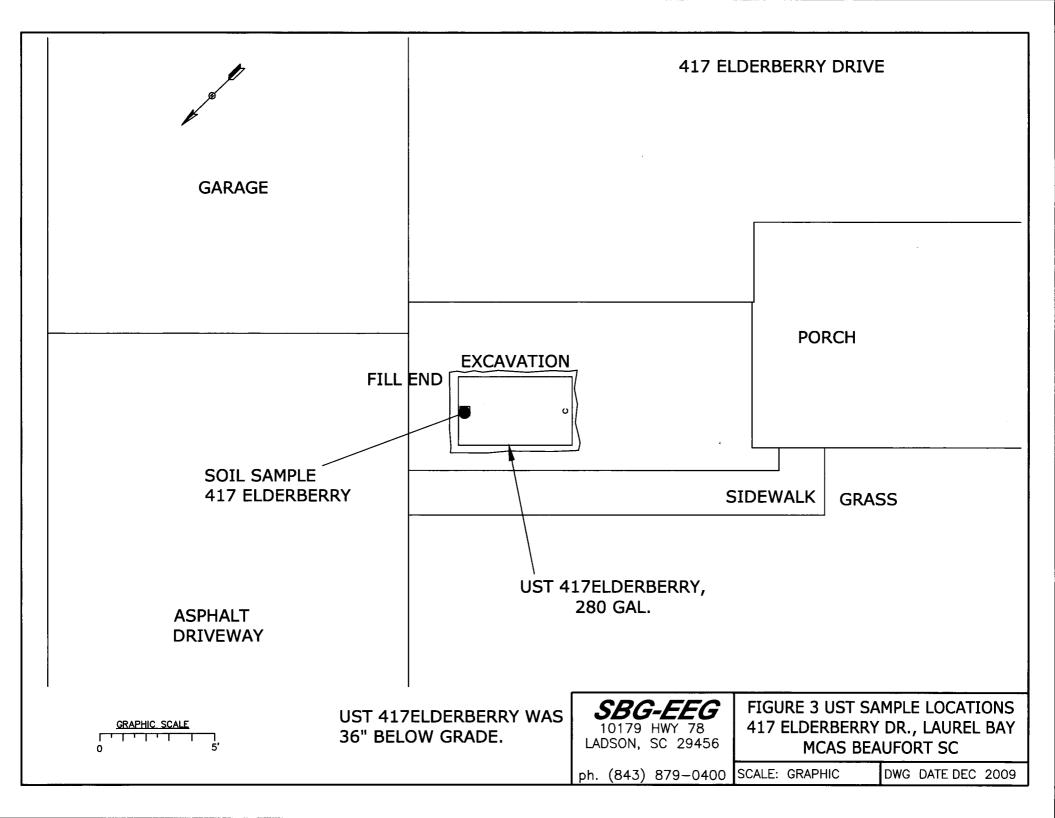
XIII. SITE MAP

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)









Picture 1: Location of UST 417Elderberry.



Picture 2: UST 417Elderberry excavation in progress.

XIV. SUMMARY OF ANALYSIS RESULTS

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

TIOT.	41777 3 1		<u> </u>			
CoC UST	417Elderber	СУ		<u> </u>	<u> </u>	
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)						
					1 1	
СоС						
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

			.1		.1 .00	
10	nrecent	indicate	the measured	thickness to	the nearest 0.0	l teet
10	DI COCIII.	mulcate	me measured	mickiness to	me mearest o.o.	ı ıccı.

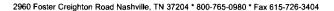
СоС	RBSL (µg/l)	W -1	W-2	W -3	W -4
Free Product Thickness	None				
Benzene	5				
Toluene	1,000				
Ethylbenzene	700				
Xylenes	10,000				
Total BTEX	N/A				
МТВЕ	40				
Naphthalene	25				
Benzo (a) anthracene	10	-			
Benzo (b) flouranthene	10				
Benzo (k) flouranthene	10				
Chrysene	10				
Dibenz (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)

ATTACHMENT A





November 25, 2009

3:06:37PM

Client:

EEG - Small Business Group, Inc. (2449)

10179 Highway 78

Ladson, SC 29456

Attn:

Tom McElwee

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Nbr:

[none] 0829

P/O Nbr: Date Received: 0829 11/13/09

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME 11/09/09 09:45

413	Elderberry
417	Elderberry
419	Elderberry

NSK1299-01 NSK1299-02 NSK1299-03

11/09/09 11:35 11/09/09 15:15

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

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

South Carolina Certification Number: 84009001

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

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

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Kem & Hage

Report Approved By:

Ken A. Hayes

Senior Project Manager



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

Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

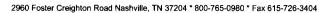
Project Number:

[none]

Received:

11/13/09 08:00

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSK1299-01 (413 Eld	erberry - Soil) :		11/09/09 09:4	5				•	
General Chemistry Parameters			11,05,05 05						
% Dry Solids	95.8		%	0.500	1	11/25/09 09:32	SW-846	ВЈМ	9114131
Selected Volatile Organic Compounds	by EPA Method	8260B							
Benzene	ND		mg/kg dry	0.00236	1	11/23/09 17:22	SW846 8260B	KxC	9114172
Ethylbenzene	ND		mg/kg dry	0.00236	1	11/23/09 17:22	SW846 8260B	KxC	9114172
Naphthalene	ND		mg/kg dry	0.00589	1	11/23/09 17:22	SW846 8260B	KxC	9114172
Toluene	ND		mg/kg dry	0.00236	1	11/23/09 17:22	SW846 8260B	KxC	9114172
Xylenes, total	ND		mg/kg dry	0.00589	1	11/23/09 17:22	SW846 8260B	KxC	9114172
Surr: 1,2-Dichloroethane-d4 (67-138%)	90 %					11/23/09 17:22	SW846 8260B	KxC	9114172
Surr: Dibromofluoromethane (75-125%)	99 %					11/23/09 17:22	SW846 8260B	KxC	9114172
Surr: Toluene-d8 (76-129%)	93 %					11/23/09 17:22	SW846 8260B	KxC	9114172
Surr: 4-Bromofluorobenzene (67-147%)	90 %					11/23/09 17:22	SW846 8260B	KxC	9114172





Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received:

11/13/09 08:00

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSK1299-01 (413)	Elderberry - Soi	l) - cont	. Sampled:	11/09/09 09	2:45					
Polyaromatic Hydrocarbons by EP	A 8270D									
Acenaphthene	ND		mg/kg dry	0.0230	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Acenaphthylene	ND		mg/kg dry	0.0230	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Anthracene	ND		mg/kg dry	0.0157	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Benzo (a) anthracene	ND		mg/kg dry	0.0136	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Benzo (a) pyrene	ND		mg/kg dry	0.0157	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Benzo (b) fluoranthene	ND		mg/kg dry	0.0177	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0146	0.0699	ì	11/17/09 21:45	SW846 8270D	RMC	9112389
Benzo (k) fluoranthene	ND		mg/kg dry	0.0198	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Chrysene	ND		mg/kg dry	0.0157	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0146	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Fluoranthene	ND		mg/kg dry	0.0146	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Fluorene	ND		mg/kg dry	0.0136	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0125	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Naphthalene	ND		mg/kg dry	0.0209	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Phenanthrene	ND		mg/kg dry	0.0136	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Pyrene	ND		mg/kg dry	0.0125	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
1-Methylnaphthalene	ND		mg/kg dry	0.0177	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
2-Methylnaphthalene	ND		mg/kg dry	0.0188	0.0699	1	11/17/09 21:45	SW846 8270D	RMC	9112389
Surr: Terphenyl-d14 (18-120%)	65 %					1	11/17/09 21:45	SW846 8270D	RMC	9112389
Surr: 2-Fluorobiphenyl (14-120%)	47 %					1	11/17/09 21:45	SW846 8270D	RMC	9112389
Surr: Nitrobenzene-d5 (17-120%)	41 %					1	11/17/09 21:45	SW846 8270D	RMC	9112389



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)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

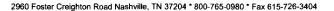
Laurel Bay Housing Project

Project Number: [none]

Received:

11/13/09 08:00

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSK1299-02 (417 Eld General Chemistry Parameters	erberry - Soil)	Sampled:	11/09/09 11:3	35					
% Dry Solids	93.6		%	0.500	1	11/25/09 09:32	SW-846	ВЈМ	9114131
Selected Volatile Organic Compounds	by EPA Method	8260B							
Benzene	ND		mg/kg dry	0.00233	1	11/23/09 17:52	SW846 8260B	KxC	9114172
Ethylbenzene	ND		mg/kg dry	0.00233	1	11/23/09 17:52	SW846 8260B	KxC	9114172
Naphthalene	ND		mg/kg dry	0.00582	1	11/23/09 17:52	SW846 8260B	KxC	9114172
Toluene	ND		mg/kg dry	0.00233	1	11/23/09 17:52	SW846 8260B	KxC	9114172
Xylenes, total	ND		mg/kg dry	0.00582	1	11/23/09 17:52	SW846 8260B	KxC	9114172
Surr: 1,2-Dichloroethane-d4 (67-138%)	91 %					11/23/09 17:52	SW846 8260B	KxC	9114172
Surr: Dibromofluoromethane (75-125%)	97 %					11/23/09 17:52	SW846 8260B	KxC	9114172
Surr: Toluene-d8 (76-129%)	94 %					11/23/09 17:52	SW846 8260B	KxC	9114172
Surr: 4-Bromofluorobenzene (67-147%)	89 %					11/23/09 17:52	SW846 8260B	KxC	9114172





Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK 1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received:

11/13/09 08:00

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSK1299-02 (417 l	Elderberry - Soi	l) - cont	. Sampled:	11/09/09 11	:35					
Polyaromatic Hydrocarbons by EP	A 8270D									
Acenaphthene	ND		mg/kg dry	0.0235	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Acenaphthylene	ND		mg/kg dry	0.0235	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Anthracene	ND		mg/kg dry	0.0160	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Benzo (a) anthracene	ND		mg/kg dry	0.0139	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Benzo (a) pyrene	ND		mg/kg dry	0.0160	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Benzo (b) fluoranthene	ND		mg/kg dry	0.0182	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0150	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Benzo (k) fluoranthene	ND		mg/kg dry	0.0203	0.0716	l	11/18/09 12:19	SW846 8270D	RMC	9112389
Chrysene	ND		mg/kg dry	0.0160	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0150	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Fluoranthene	ND		mg/kg dry	0.0150	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Fluorene	ND		mg/kg dry	0.0139	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0128	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Naphthalene	ND		mg/kg dry	0.0214	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Phenanthrene	ND		mg/kg dry	0.0139	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Pyrene	ND		mg/kg dry	0.0128	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
1-Methylnaphthalene	ND		mg/kg dry	0.0182	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
2-Methylnaphthalene	ND		mg/kg dry	0.0192	0.0716	1	11/18/09 12:19	SW846 8270D	RMC	9112389
Surr: Terphenyl-d14 (18-120%)	57 %					1	11/18/09 12:19	SW846 8270D	RMC	9112389
Surr: 2-Fluorobiphenyl (14-120%)	46 %					1	11/18/09 12:19	SW846 8270D	RMC	9112389
Surr: Nitrobenzene-d5 (17-120%)	42 %					1	11/18/09 12:19	SW846 8270D	RMC	9112389



Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

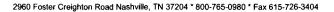
Project Number: [none]

Received:

11/13/09 08:00

ANALYTICAL REPORT

						-			
Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NSK1299-03 (419 Eld	erberry - Soil)	Sampled:	11/09/09 15:1	5					
General Chemistry Parameters									
% Dry Solids	94.1		%	0.500	1	11/25/09 09:32	SW-846	ВЈМ	9114131
Selected Volatile Organic Compounds	s by EPA Method	8260B							
Benzene	ND		mg/kg dry	0.00229	1	11/23/09 18:23	SW846 8260B	KxC	9114172
Ethylbenzene	ND		mg/kg dry	0.00229	i	11/23/09 18:23	SW846 8260B	KxC	9114172
Naphthalene	ND		mg/kg dry	0.00571	1	11/23/09 18:23	SW846 8260B	KxC	9114172
Toluene	ND		mg/kg dry	0.00229	1	11/23/09 18:23	SW846 8260B	KxC	9114172
Xylenes, total	ND		mg/kg dry	0.00571	1	11/23/09 18:23	SW846 8260B	KxC	9114172
Surr: 1,2-Dichloroethane-d4 (67-138%)	92 %					11/23/09 18:23	SW846 8260B	KxC	9114172
Surr: Dibromofluoromethane (75-125%)	97 %					11/23/09 18:23	SW846 8260B	KxC	9114172
Surr: Toluene-d8 (76-129%)	94 %					11/23/09 18:23	SW846 8260B	KxC	9114172
Surr: 4-Bromofluorobenzene (67-147%)	89 %					11/23/09 18:23	SW846 8260B	KxC	9114172





10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received: 11/13/09 08:00

ANALYTICAL REPORT

		1411144							
Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Elderberry - Soi	l) - cont	Sampled:	11/09/09 15	:15					-
A 8270D									
ND		mg/kg dry	0.0234	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0234	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0159	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0138	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0159	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0181	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0149	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0202	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0159	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0149	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0149	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0138	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0128	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0213	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0138	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0128	0.0712	ı	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0181	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
ND		mg/kg dry	0.0191	0.0712	1	11/18/09 12:42	SW846 8270D	RMC	9112389
62 %					1	11/18/09 12:42	SW846 8270D	RMC	9112389
51 %					1	11/18/09 12:42	SW846 8270D	RMC	9112389
46 %					1	11/18/09 12:42	SW846 8270D	RMC	9112389
	A 8270D ND ND ND ND ND ND ND ND ND	A 8270D ND ND ND ND ND ND ND ND ND	A 8270D ND ND mg/kg dry ND mg/kg dry	A 8270D ND mg/kg dry 0.0234 ND mg/kg dry 0.0234 ND mg/kg dry 0.0159 ND mg/kg dry 0.0181 ND mg/kg dry 0.0149 ND mg/kg dry 0.0149 ND mg/kg dry 0.0159 ND mg/kg dry 0.0149 ND mg/kg dry 0.0159 ND mg/kg dry 0.0159 ND mg/kg dry 0.0159 ND mg/kg dry 0.0149 ND mg/kg dry 0.0149 ND mg/kg dry 0.0149 ND mg/kg dry 0.0149 ND mg/kg dry 0.0138 ND mg/kg dry 0.0138 ND mg/kg dry 0.0128 ND mg/kg dry 0.0181 ND mg/kg dry 0.0191	No	Result Flag Units MDL MRL Factor	Result Flag Units MDL MRL Factor Date/Time Clderberry - Soil) - cont. Sampled: 11/09/09 15:15 3.25 3.	Result Flag Units MDL MRL Factor Date/Time Method	Result Flag Units MDL MRL Factor Date/Time Method Analyst



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)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

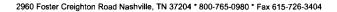
Project Number: [none]

Received:

11/13/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by El	PA 8270D						
SW846 8270D	9112389	NSK1299-01	30.00	1.00	11/16/09 10:00	TEM	EPA 3550B
SW846 8270D	9112389	NSK1299-02	30.00	1.00	11/16/09 10:00	TEM	EPA 3550B
SW846 8270D	9112389	NSK1299-03	30.00	1.00	11/16/09 10:00	TEM	EPA 3550B
Selected Volatile Organic Compo	unds by EPA Method	8260B					
SW846 8260B	9114172	NSK1299-01	4.43	5.00	11/09/09 09:45	JRL	EPA 5035
SW846 8260B	9114172	NSK1299-02	4.59	5.00	11/09/09 11:35	JRL	EPA 5035
SW846 8260B	9114172	NSK1299-03	4.65	5.00	11/09/09 15:15	JRL	EPA 5035





10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time	
Selected Volatile Organic Compo	ounds by EPA Method	l 8260B					
9114172-BLK1							
Benzene	< 0.000670		mg/kg wet	9114172	9114172-BLK1	11/23/09 15:39	
Ethylbenzene	< 0.000670		mg/kg wet	9114172	9114172-BLK1	11/23/09 15:39	
Naphthalene	< 0.00170		mg/kg wet	9114172	9114172-BLK1	11/23/09 15:39	
Toluene	< 0.000400		mg/kg wet	9114172	9114172-BLK1	11/23/09 15:39	
Xylenes, total	< 0.00130		mg/kg wet	9114172	9114172-BLK1	11/23/09 15:39	
Surrogate: 1,2-Dichloroethane-d4	89%			9114172	9114172-BLK1	11/23/09 15:39	
Surrogate: Dibromofluoromethane	96%			9114172	9114172-BLK1	11/23/09 15:39	
Surrogate: Toluene-d8	94%			9114172	9114172-BLK1	11/23/09 15:39	
Surrogate: 4-Bromofluorobenzene	87%			9114172	9114172-BLK1	11/23/09 15:39	
Polyaromatic Hydrocarbons by I	EPA 8270D						
9112389-BLK1							
Acenaphthene	< 0.0220		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Acenaphthylene	< 0.0220		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Anthracene	< 0.0150		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Benzo (a) anthracene	< 0.0130		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Benzo (a) pyrene	< 0.0150		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Benzo (b) fluoranthene	< 0.0170		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Benzo (g,h,i) perylene	< 0.0140		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Benzo (k) fluoranthene	< 0.0190		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Chrysene	< 0.0150		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Dibenz (a,h) anthracene	< 0.0140		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Fluoranthene	< 0.0140		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Fluorene	< 0.0130		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Indeno (1,2,3-cd) pyrene	< 0.0120		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Naphthalene	< 0.0200		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Phenanthrene	< 0.0130		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Pyrene	< 0.0120		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
1-Methylnaphthalene	< 0.0170		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
2-Methylnaphthalene	<0.0180		mg/kg wet	9112389	9112389-BLK1	11/17/09 13:30	
Surrogate: Terphenyl-d14	78%			9112389	9112389-BLK1	11/17/09 13:30	
Surrogate: 2-Fluorobiphenyl	60%			9112389	9112389-BLK1	11/17/09 13:30	
Surrogate: Nitrobenzene-d5	54%			9112389	9112389-BLK1	11/17/09 13:30	



Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order: NSK1299

Project Name: Laurel Bay Housing Project

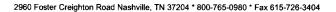
Project Number: [none]

Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated % Rec.	Analyzed Date/Time
General Chemistry Parameters									
9114131-DUP1									
% Dry Solids	95.8	95.0		%	0.8	20	9114131	NSK1299-01	11/25/09 09:32





10179 Highway 78 Ladson, SC 29456 Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: Received: [none] 11/13/09 08:00

PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compou	nds by EPA Method 82	60B						
9114172-BS1								
Benzene	50.0	47.3		ug/kg	95%	78 - 126	9114172	11/23/09 14:0
Ethylbenzene	50.0	48.9		ug/kg	98%	79 - 130	9114172	11/23/09 14:0
Naphthalene	50.0	55.9		ug/kg	112%	72 - 150	9114172	11/23/09 14:0
Toluene	50.0	48.7		ug/kg	97%	76 - 126	9114172	11/23/09 14:0
Xylenes, total	150	139		ug/kg	93%	80 - 130	9114172	11/23/09 14:0
Surrogate: 1,2-Dichloroethane-d4	50.0	47.2			94%	67 - 138	9114172	11/23/09 14:0
Surrogate: Dibromofluoromethane	50.0	47.3			95%	75 - 125	9114172	11/23/09 14:0
Surrogate: Toluene-d8	50.0	47.2			94%	76 - 129	9114172	11/23/09 14:0
Surrogate: 4-Bromofluorobenzene	50.0	44.6			89%	67 - 147	9114172	11/23/09 14:0
Polyaromatic Hydrocarbons by EP	A 8270D							
9112389-BS1								
Acenaphthene	1.67	0.995		mg/kg wet	60%	49 - 120	9112389	11/17/09 13:5
Acenaphthylene	1.67	0.984		mg/kg wet	59%	52 - 120	9112389	11/17/09 13:5
Anthracene	1.67	1.20		mg/kg wet	72%	58 - 120	9112389	11/17/09 13:5
Benzo (a) anthracene	1.67	1.09		mg/kg wet	66%	57 - 120	9112389	11/17/09 13:5
Benzo (a) pyrene	1.67	1.11		mg/kg wet	67%	55 - 120	9112389	11/17/09 13:5
Benzo (b) fluoranthene	1.67	1.04		mg/kg wet	62%	51 - 123	9112389	11/17/09 13:5
Benzo (g,h,i) perylene	1.67	1.10		mg/kg wet	66%	49 - 121	9112389	11/17/09 13:5
Benzo (k) fluoranthene	1.67	1.07		mg/kg wet	64%	42 - 129	9112389	11/17/09 13:5
Chrysene	1.67	1.08		mg/kg wet	65%	55 - 120	9112389	11/17/09 13:5
Dibenz (a,h) anthracene	1.67	1.10		mg/kg wet	66%	50 - 123	9112389	11/17/09 13:5
Fluoranthene	1.67	1.13		mg/kg wet	68%	58 - 120	9112389	11/17/09 13:5
Fluorene	1.67	1.07		mg/kg wet	64%	54 - 120	9112389	11/17/09 13:5
Indeno (1,2,3-cd) pyrene	1.67	1.14		mg/kg wet	69%	50 - 122	9112389	11/17/09 13:5
Naphthalene	1.67	0.851		mg/kg wet	51%	28 - 120	9112389	11/17/09 13:5
Phenanthrene	1.67	1.07		mg/kg wet	64%	56 - 120	9112389	11/17/09 13:5
Pyrene	1.67	1.06		mg/kg wet	63%	56 - 120	9112389	11/17/09 13:5
1-Methylnaphthalene	1.67	0.853		mg/kg wet	51%	36 - 120	9112389	11/17/09 13:5
2-Methylnaphthalene	1.67	0.907		mg/kg wet	54%	36 - 120	9112389	11/17/09 13:5
Surrogate: Terphenyl-d14	1.67	0.996			60%	18 - 120	9112389	11/17/09 13:5
Surrogate: 2-Fluorobiphenyl	1.67	0.850			51%	14 - 120	9112389	11/17/09 13:5
Surrogate: Nitrobenzene-d5	1.67	0.704			42%	17 - 120	9112389	11/17/09 13:5



Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

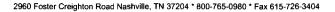
Project Number:

[none]

Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA LCS Dup

Analyte	Orig, Val.	Duplicate	Q	Units		% Rcc.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compoun	nds by EPA	Method 826	60B									
9114172-BSD1												
Benzene		47.1		ug/kg	50.0	94%	78 - 126	0.3	50	9114172		11/23/09 14:38
Ethylbenzene		48.1		ug/kg	50.0	96%	79 - 130	2	50	9114172		11/23/09 14:38
Naphthalene		53.5		ug/kg	50.0	107%	72 - 150	4	50	9114172		11/23/09 14:38
Toluene		48.4		ug/kg	50.0	97%	76 - 126	0.7	50	9114172		11/23/09 14:38
Xylenes, total		136		ug/kg	150	90%	80 - 130	2	50	9114172		11/23/09 14:38
Surrogate: 1,2-Dichloroethane-d4		46.9		ug/kg	50.0	94%	67 - 138			9114172		11/23/09 14:38
Surrogate: Dibromofluoromethane		47.9		ug/kg	50.0	96%	75 - 125			9114172		11/23/09 14:38
Surrogate: Toluene-d8		46.7		ug/kg	50.0	93%	76 - 129			9114172		11/23/09 14:38
Surrogate: 4-Bromofluorobenzene		44.9		ug/kg	50.0	90%	67 - 147			9114172		11/23/09 14:38





10179 Highway 78 Ladson, SC 29456 Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike

Selected Volatile Organic Compounds by EPA Method 8260B Shift 172-M851	Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Part	Selected Volatile Organic Compo	inds hv EPA Me	thod 8260B								
Peter Pete	- -	21145 by 2171 1110	11104 02002								
Part		ND	43.2		ug/kg	50.0	86%	42 - 141	9114172		11/23/09 23:29
Toluene ND 45.8 ug/kg 50.0 2% 45-145 9114172 NSK1441-01RE 1123/09 23-29 23-29 23-29 24-12-12-12-12-12-12-12-12-12-12-12-12-12-	Ethylbenzene	ND	45.9		ug/kg	50.0	92%	21 - 165	9114172	NSK 1441-01RE	11/23/09 23:29
Nglenes, total ND 128 ug/kg 150 86% 31 - 159 9114172 NgK1441-01RE 1723/09 2329 2329 2329 2329 2329 2329 2329 23	Naphthalene	ND	31.0		ug/kg	50.0	62%	10 - 160	9114172		11/23/09 23:29
Surrogate: 1,2-Dichloroethane-d4	Toluene	ND	45.8		ug/kg	50.0	92%	45 - 145	9114172		11/23/09 23:29
Surrogate: Dibromofluaromethame	Xylenes, total	ND	128		ug/kg	150	86%	31 - 159	9114172		11/23/09 23:29
Surrogate: Toluene-d8	Surrogate: 1,2-Dichloroethane-d4		41.2		ug/kg	50.0	82%	67 - 138	9114172		11/23/09 23:29
Surrogate: 4-Bromofluorobenzene 46.7 ug/kg 50 93% 67 - 147 11472 NSK1441-102 112308 2329 Polyaromatic Hydrocarbons by EPA 8270 173 173 174 11472 NSK1441-102 112308 114700 114700 11470 1	Surrogate: Dibromofluoromethane		46.9		ug/kg	50.0	94%	75 - 125	9114172		11/23/09 23:29
Polyaromatic Hydrocarbons by EPA 8270D- 9112389-MS1 Acenaphthene ND 0.859 mg/kg dry 1.73 50% 42 - 120 9112389 NSK1299-03 11/1709 14:15 Anthracene ND 0.978 mg/kg dry 1.73 57% 10 - 200 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.978 mg/kg dry 1.73 57% 11-120 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.9887 mg/kg dry 1.73 56% 31-121 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.9887 mg/kg dry 1.73 56% 31-121 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.9887 mg/kg dry 1.73 56% 31-121 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.938 mg/kg dry 1.73 56% 26-137 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.938 mg/kg dry 1.73 57% 14-140 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.958 mg/kg dry 1.73 57% 14-140 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.958 mg/kg dry 1.73 57% 14-140 9112389 NSK1299-03 11/1709 14:15 Benzo (a) Intracene ND 0.958 mg/kg dry 1.73 57% 14-140 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 28-123 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/kg dry 1.73 57% 38-12 9112389 NSK1299-03 11/1709 14:15 Fluorene ND 0.959 mg/	Surrogate: Toluene-d8		48.3		ug/kg	50.0	97%	76 - 129	9114172		11/23/09 23:29
Part	Surrogate: 4-Bromofluorobenzene		46.7		ug/kg	50.0	93%	67 - 147	9114172		11/23/09 23:29
Accesaphthene ND 0.859 mg/kg dry 1.73 50% 42-120 912389 NSK1299-03 11/17/09 14-15 Accesaphthylene ND 0.882 mg/kg dry 1.73 51% 32-120 912389 NSK1299-03 11/17/09 14-15 Anthracene ND 1.03 mg/kg dry 1.73 59% 10-200 912389 NSK1299-03 11/17/09 14-15 Benzo (a) anthracene ND 0.978 mg/kg dry 1.73 56% 33-21 912389 NSK1299-03 11/17/09 14-15 Benzo (a) pyrene ND 0.960 mg/kg dry 1.73 56% 33-21 912389 NSK1299-03 11/17/09 14-15 Benzo (b) fluoranthene ND 0.988 mg/kg dry 1.73 57% 41-14 9112389 NSK1299-03 11/17/09 14-15 Benzo (k) fluoranthene ND 0.978 mg/kg dry 1.73 57% 41-14 9112389 NSK1299-03 11/17/09 14-15	Polyaromatic Hydrocarbons by E	PA 8270D									
Acenaphthylene ND 0.882 mg/kg dry 1.73 51% 32 - 120 9112389 NSK1299-03 11/17/09 14:15 Anthracene ND 1.03 mg/kg dry 1.73 59% 10 - 200 9112389 NSK1299-03 11/17/09 14:15 Benzo (a) anthracene ND 0.978 mg/kg dry 1.73 57% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Benzo (a) pyrene ND 0.960 mg/kg dry 1.73 56% 33 - 121 9112389 NSK1299-03 11/17/09 14:15 Benzo (b) fluoranthene ND 0.887 mg/kg dry 1.73 51% 26 - 137 9112389 NSK1299-03 11/17/09 14:15 Benzo (g,h.i) perylene ND 0.938 mg/kg dry 1.73 54% 21 - 124 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.978 mg/kg dry 1.73 57% 14 - 140 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Chrysone ND 0.958 mg/kg dry 1.73 55% 28 - 127 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.986 mg/kg dry 1.73 55% 28 - 127 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.9950 mg/kg dry 1.73 55% 28 - 127 9112389 NSK1299-03 11/17/09 14:15 Indeno (1,2,3-ed) pyrene ND 0.955 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Indeno (1,2,3-ed) pyrene ND 0.995 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Naphthalene ND 0.950 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.993 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.993 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.993 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.993 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.993 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.993 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.994 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.993 mg/kg dry 1.73 55% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.986 mg/kg dry 1.73 55% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.986 mg/kg dry 1.73 55% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.986 mg/	9112389-MS1										
Anthracene ND 1.03 mg/kg dry 1.73 59% 10 - 200 9112389 NSK1299-03 11/17/09 14:15 Benzo (a) anthracene ND 0.978 mg/kg dry 1.73 57% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Benzo (a) pyrene ND 0.960 mg/kg dry 1.73 56% 33 - 121 9112389 NSK1299-03 11/17/09 14:15 Benzo (b) fluoranthene ND 0.887 mg/kg dry 1.73 51% 26 - 137 9112389 NSK1299-03 11/17/09 14:15 Benzo (g),hi) perylene ND 0.938 mg/kg dry 1.73 54% 21 - 124 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.978 mg/kg dry 1.73 57% 14 - 140 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.956 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Fluorene ND 0.955 mg/kg dry 1.73 55% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Indeno (1.2,3-ed) pyrene ND 0.934 mg/kg dry 1.73 56% 25 - 123 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.938 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.938 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.938 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.938 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.938 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.938 mg/kg dry 1.73 54% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.824 mg/kg dry 1.73 54% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.824 mg/kg dry 1.73 54% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.824 mg/kg dry 1.73 54% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.824 mg/kg dry 1.73 54% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.824 mg/kg dry 1.73 54% 19 - 120 9112389	Acenaphthene		0.859		mg/kg dry	1.73	50%	42 - 120	9112389	NSK1299-03	11/17/09 14:15
Benzo (a) anthracene ND 0.978 mg/kg dry 1.73 57% 41-120 9112389 NSK1299-03 11/17/09 14:15 Benzo (a) pyrene ND 0.960 mg/kg dry 1.73 56% 33-121 9112389 NSK1299-03 11/17/09 14:15 Benzo (b) fluoranthene ND 0.887 mg/kg dry 1.73 51% 26-137 9112389 NSK1299-03 11/17/09 14:15 Benzo (b) fluoranthene ND 0.938 mg/kg dry 1.73 54% 21-124 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.938 mg/kg dry 1.73 55% 21-124 9112389 NSK1299-03 11/17/09 14:15 Chrysene ND 0.958 mg/kg dry 1.73 55% 28-123 9112389 NSK1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.955 mg/kg dry 1.73 55% 25-127 9112389 NSK1299-03 11/17/09	Acenaphthylene				mg/kg dry	1.73					
Benzo (a) pyrene ND 0.960 mg/kg dry 1.73 56% 33 - 121 9112389 NSK1299-03 11/17/09 14:15 Benzo (b) fluoranthene ND 0.887 mg/kg dry 1.73 51% 26 - 137 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.938 mg/kg dry 1.73 54% 21 - 124 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.938 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Chrysene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Chrysene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Dibenz (a,h) othracene ND 0.956 mg/kg dry 1.73 55% 25 - 122 9112389 NSK1299-03 11/17/09 <td< td=""><td>Anthracene</td><td></td><td></td><td></td><td>mg/kg dry</td><td>1.73</td><td></td><td>10 - 200</td><td>9112389</td><td></td><td></td></td<>	Anthracene				mg/kg dry	1.73		10 - 200	9112389		
Benzo (b) fluoranthene ND 0.887 mg/kg dry 1.73 51% 26 - 137 9112389 NSK 1299-03 11/17/09 14:15 Benzo (g,h,i) perylene ND 0.938 mg/kg dry 1.73 54% 21 - 124 9112389 NSK 1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.978 mg/kg dry 1.73 55% 28 - 123 9112389 NSK 1299-03 11/17/09 14:15 Chrysene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK 1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK 1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.950 mg/kg dry 1.73 55% 28 - 123 9112389 NSK 1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.986 mg/kg dry 1.73 55% 28 - 123 9112389 NSK 1299-03	Benzo (a) anthracene	ND	0.978		mg/kg dry	1.73	57%	41 - 120	9112389	NSK1299-03	
Benzo (g,h,i) perylene ND 0.938 mg/kg dry 1.73 54% 21 - 124 9112389 NSK1299-03 11/17/09 14:15 Benzo (k) fluoranthene ND 0.978 mg/kg dry 1.73 57% 14 - 140 9112389 NSK1299-03 11/17/09 14:15 Chrysene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.950 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.986 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Fluorene ND 0.986 mg/kg dry 1.73 55% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluorene ND 0.993 mg/kg dry 1.73 56% 25 - 123 9112389 NSK1299-03 11/17/09 14:15 <	Benzo (a) pyrene	ND	0.960		mg/kg dry	1.73	56%	33 - 121	9112389	NSK1299-03	11/17/09 14:15
Benzo (k) fluoranthene ND 0.978 mg/kg dry 1.73 57% 14 - 140 9112389 NSK1299-03 11/17/09 14:15 Chrysene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.950 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.986 mg/kg dry 1.73 57% 38 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluorene ND 0.955 mg/kg dry 1.73 55% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Indeno (1,2,3-cd) pyrene ND 0.973 mg/kg dry 1.73 56% 25 - 120 9112389 NSK1299-03 11/17/09 14:15 Naphthalene ND 0.769 mg/kg dry 1.73 54% 25 - 120 9112389 NSK1299-03 11/17/09 14:15	Benzo (b) fluoranthene	ND	0.887		mg/kg dry	1.73	51%	26 - 137	9112389	NSK1299-03	11/17/09 14:15
Chrysene ND 0.958 mg/kg dry 1.73 55% 28 - 123 9112389 NSK1299-03 11/17/09 14:15 Dibenz (a,h) anthracene ND 0.950 mg/kg dry 1.73 55% 25 - 127 9112389 NSK1299-03 11/17/09 14:15 Fluoranthene ND 0.986 mg/kg dry 1.73 57% 38 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluorene ND 0.955 mg/kg dry 1.73 55% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Indeno (1,2,3-cd) pyrene ND 0.973 mg/kg dry 1.73 56% 25 - 123 9112389 NSK1299-03 11/17/09 14:15 Naphthalene ND 0.769 mg/kg dry 1.73 56% 25 - 120 9112389 NSK1299-03 11/17/09 14:15 Phenanthrene ND 0.934 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 I-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 Surrogate: Terphenyl-d14 Surrogate: 2-Fluorobiphenyl	Benzo (g,h,i) perylene	ND	0.938		mg/kg dry	1.73	54%	21 - 124	9112389	NSK1299-03	11/17/09 14:15
Dibenz (a,h) anthracene ND 0.950 mg/kg dry 1.73 55% 25 - 127 9112389 NSK 1299-03 11/17/09 14:15 Fluoranthene ND 0.986 mg/kg dry 1.73 55% 38 - 120 9112389 NSK 1299-03 11/17/09 14:15 Fluorene ND 0.955 mg/kg dry 1.73 55% 41 - 120 9112389 NSK 1299-03 11/17/09 14:15 Indeno (1,2,3-ed) pyrene ND 0.973 mg/kg dry 1.73 56% 25 - 123 9112389 NSK 1299-03 11/17/09 14:15 Naphthalene ND 0.769 mg/kg dry 1.73 54% 25 - 120 9112389 NSK 1299-03 11/17/09 14:15 Phenanthrene ND 0.934 mg/kg dry 1.73 54% 37 - 120 9112389 NSK 1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK 1299-03 11/17/09 14:15 1-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK 1299-03 11/17/09 14:15 2-Methylnaphthalene ND 0.824 mg/kg dry 1.73 48% 11 - 120 9112389 NSK 1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 Surrogate: 2-Fluorobiphenyl	Benzo (k) fluoranthene	ND	0.978		mg/kg dry	1.73	57%	14 - 140	9112389	NSK1299-03	11/17/09 14:15
Fluoranthene ND 0.986 mg/kg dry 1.73 57% 38 - 120 9112389 NSK1299-03 11/17/09 14:15 Fluorene ND 0.955 mg/kg dry 1.73 55% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Indeno (1,2,3-ed) pyrene ND 0.973 mg/kg dry 1.73 56% 25 - 123 9112389 NSK1299-03 11/17/09 14:15 Naphthalene ND 0.769 mg/kg dry 1.73 44% 25 - 120 9112389 NSK1299-03 11/17/09 14:15 Phenanthrene ND 0.934 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 1-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 <t< td=""><td>Chrysene</td><td>ND</td><td>0.958</td><td></td><td>mg/kg dry</td><td>1.73</td><td>55%</td><td>28 - 123</td><td>9112389</td><td>NSK1299-03</td><td>11/17/09 14:15</td></t<>	Chrysene	ND	0.958		mg/kg dry	1.73	55%	28 - 123	9112389	NSK1299-03	11/17/09 14:15
Fluorence ND 0.955 mg/kg dry 1.73 55% 41 - 120 9112389 NSK1299-03 11/17/09 14:15 Indeno (1,2,3-ed) pyrence ND 0.973 mg/kg dry 1.73 56% 25 - 123 9112389 NSK1299-03 11/17/09 14:15 Naphthalence ND 0.769 mg/kg dry 1.73 44% 25 - 120 9112389 NSK1299-03 11/17/09 14:15 Phenanthrence ND 0.934 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Pyrenc ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 I-Methylnaphthalenc ND 0.764 mg/kg dry 1.73 54% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 2-Methylnaphthalenc ND 0.824 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 48% 11 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl	Dibenz (a,h) anthracene	ND	0.950		mg/kg dry	1.73	55%	25 - 127	9112389	NSK1299-03	11/17/09 14:15
Indeno (1,2,3-ed) pyrene ND 0.973 mg/kg dry 1.73 56% 25 - 123 9112389 NSK1299-03 11/17/09 14:15 Naphthalene ND 0.769 mg/kg dry 1.73 44% 25 - 120 9112389 NSK1299-03 11/17/09 14:15 Phenanthrene ND 0.934 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 I-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 2-Methylnaphthalene ND 0.824 mg/kg dry 1.73 48% 11 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15	Fluoranthene	ND	0.986		mg/kg dry	1.73	57%	38 - 120	9112389	NSK1299-03	11/17/09 14:15
Naphthalenc ND 0.769 mg/kg dry 1.73 44% 25 - 120 9112389 NSK1299-03 11/17/09 14:15 Phenanthrene ND 0.934 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 I-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 2-Methylnaphthalene ND 0.824 mg/kg dry 1.73 48% 11 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl 0.787 mg/kg dry 1.73 46% 14 - 120 9112389 NSK1299-03 11/17/09 14:15	Fluorene	ND	0.955		mg/kg dry	1.73	55%	41 - 120	9112389	NSK1299-03	11/17/09 14:15
Phenanthrene ND 0.934 mg/kg dry 1.73 54% 37 - 120 9112389 NSK1299-03 11/17/09 14:15 Pyrene ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 1-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 2-Methylnaphthalene ND 0.824 mg/kg dry 1.73 48% 11 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl 0.787 mg/kg dry 1.73 46% 14 - 120 9112389 NSK1299-03 11/17/09 14:15	Indeno (1,2,3-cd) pyrene	ND	0.973		mg/kg dry	1.73	56%	25 - 123	9112389	NSK1299-03	11/17/09 14:15
Pyrene ND 0.938 mg/kg dry 1.73 54% 29 - 125 9112389 NSK1299-03 11/17/09 14:15 I-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 2-Methylnaphthalene ND 0.824 mg/kg dry 1.73 48% 11 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl 0.787 mg/kg dry 1.73 46% 14 - 120 9112389 NSK1299-03 11/17/09 14:15	Naphthalene	ND	0.769		mg/kg dry	1.73	44%	25 - 120	9112389	NSK1299-03	11/17/09 14:15
1-Methylnaphthalene ND 0.764 mg/kg dry 1.73 44% 19 - 120 9112389 NSK1299-03 11/17/09 14:15 2-Methylnaphthalene ND 0.824 mg/kg dry 1.73 48% 11 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl 0.787 mg/kg dry 1.73 46% 14 - 120 9112389 NSK1299-03 11/17/09 14:15	Phenanthrene	ND	0.934		mg/kg dry	1.73	54%	37 - 120	9112389	NSK1299-03	11/17/09 14:15
2-Methylnaphthalene ND 0.824 mg/kg dry 1.73 48% 11 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl 0.787 mg/kg dry 1.73 46% 14 - 120 9112389 NSK1299-03 11/17/09 14:15	Pyrene	ND	0.938		mg/kg dry	1.73	54%	29 - 125	9112389	NSK1299-03	11/17/09 14:15
Surrogate: Terphenyl-d14 0.886 mg/kg dry 1.73 51% 18 - 120 9112389 NSK1299-03 11/17/09 14:15 Surrogate: 2-Fluorobiphenyl 0.787 mg/kg dry 1.73 46% 14 - 120 9112389 NSK1299-03 11/17/09 14:15	I-Methylnaphthalene	ND	0.764		mg/kg dry	1.73	44%	19 - 120	9112389	NSK1299-03	11/17/09 14:15
Surrogate: 2-Fluorobiphenyl 0.787 mg/kg dry 1.73 46% 14 - 120 9112389 NSK1299-03 11/17/09 14:15	2-Methylnaphthalene	ND	0.824		mg/kg dry	1.73	48%	11 - 120	9112389	NSK1299-03	11/17/09 14:15
	Surrogate: Terphenyl-d14		0.886		mg/kg dry	1.73	51%	18 - 120	9112389	NSK1299-03	11/17/09 14:15
Surrogate: Nitrobenzene-d5 0.669 mg/kg dry 1.73 39% 17 - 120 9112389 NSK1299-03 11/17/09 14:15	Surrogate: 2-Fluorobiphenyl		0.787		mg/kg dry	1.73	46%	14 - 120	9112389	NSK1299-03	11/17/09 14:15
	Surrogate: Nitrobenzene-d5		0.669		mg/kg dry	1.73	39%	17 - 120	9112389	NSK1299-03	11/17/09 14:15



NSK1299

Laurel Bay Housing Project

EEG - Small Business Group, Inc. (2449) Client

10179 Highway 78

Attn

Project Name: Ladson, SC 29456 Tom McElwee

Project Number: [none]

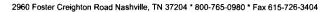
Work Order:

Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike - Cont.

Target Sample Analyzed Analyte Orig. Val. MS Val Q Units Spike Conc % Rec. Range Batch Spiked Date/Time

Polyaromatic Hydrocarbons by EPA 8270D





10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike Dup

Analyte	Orig. Val.	Duplicate Q	Units	Spike Conc	% Rec.	Target Range	RPD Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Comp	ounds by EPA	Method 8260B								
9114172-MSD1 Benzene	ND	43.8	ug/kg	50.0	88%	42 - 141	i 50	9114172	NSK1441-01RE	11/24/09 00:00
Ethylbenzene	ND	45.4	ug/kg	50.0	91%	21 - 165	1 50	9114172	2 NSK1441-01RE 2	11/24/09 00:00
Naphthalene	ND	37.2	ug/kg	50.0	74%	10 - 160	18 50	9114172	NSK1441-01RE 2	11/24/09 00:00
Toluene	ND	45.5	ug/kg	50.0	91%	45 - 145	0.7 50	9114172	NSK1441-01RE 2	11/24/09 00:00
Xylenes, total	ND	128	ug/kg	150	85%	31 - 159	0.6 50	9114172	NSK1441-01RE 2	11/24/09 00:00
Surrogate: 1,2-Dichloroethane-d4		44.9	ug/kg	50.0	90%	67 - 138		9114172	NSK1441-01RE 2	11/24/09 00:00
Surrogate: Dibromofluoromethane		47.0	ug/kg	50.0	94%	75 - 125		9114172	NSK 1441-01RE 2	11/24/09 00:00
Surrogate: Toluene-d8		47.1	ug/kg	50.0	94%	76 - 129		9114172	NSK 1441-01RE 2	11/24/09 00:00
Surrogate: 4-Bromofluorobenzene		45.9	ug/kg	50.0	92%	67 - 147		9114172	NSK 1441-01RE 2	11/24/09 00:00
Polyaromatic Hydrocarbons by 9112389-MSD1	EPA 8270D									
Acenaphthene	ND	1.00	mg/kg dry	1.75	57%	42 - 120	16 40	9112389	NSK1299-03	11/17/09 15:22
Acenaphthylene	ND	0.995	mg/kg dry	1.75	57%	32 - 120	12 30	9112389	NSK1299-03	11/17/09 15:22
Anthracene	ND	1.17	mg/kg dry	1.75	67%	10 - 200	13 50	9112389	NSK1299-03	11/17/09 15:22
Benzo (a) anthracene	ND	1.10	mg/kg dry	1.75	63%	41 - 120	12 30	9112389	NSK1299-03	11/17/09 15:22
Benzo (a) pyrene	ND	1.07	mg/kg dry	1.75	61%	33 - 121	11 33	9112389	NSK1299-03	11/17/09 15:22
Benzo (b) fluoranthene	ND	0.989	mg/kg dry	1.75	56%	26 - 137	11 42	9112389	NSK 1299-03	11/17/09 15:22
Benzo (g,h,i) perylene	ND	1.07	mg/kg dry	1.75	61%	21 - 124	13 32	9112389	NSK1299-03	11/17/09 15:22
Benzo (k) fluoranthene	ND	1.12	mg/kg dry	1.75	64%	14 - 140	14 39	9112389	NSK1299-03	11/17/09 15:22
Chrysenc	ND	1.09	mg/kg dry	1.75	62%	28 - 123	12 34	9112389	NSK1299-03	11/17/09 15:22
Dibenz (a,h) anthracene	ND	1.07	mg/kg dry	1.75	61%	25 - 127	12 31	9112389	NSK1299-03	11/17/09 15:22
Fluoranthene	ND	1.10	mg/kg dry	1.75	63%	38 - 120	11 35	9112389	NSK1299-03	11/17/09 15:22
Fluorene	ND	1.09	mg/kg dry	1.75	62%	41 - 120	13 37	9112389	NSK1299-03	11/17/09 15:22
Indeno (1,2,3-cd) pyrene	ND	1.12	mg/kg dry	1.75	64%	25 - 123	14 32	9112389	NSK1299-03	11/17/09 15:22
Naphthalene	ND	0.896	mg/kg dry	1.75	51%	25 - 120	15 42	9112389	NSK1299-03	11/17/09 15:22
Phenanthrene	ND	1.05	mg/kg dry	1.75	60%	37 - 120	12 32	9112389	NSK1299-03	11/17/09 15:22
Pyrene	ND	1.05	mg/kg dry	1.75	60%	29 - 125	12 40	9112389	NSK 1299-03	11/17/09 15:22
I-Methylnaphthalene	ND	0.874	mg/kg dry	1.75	50%	19 - 120	13 45	9112389	NSK1299-03	11/17/09 15:22
2-Methylnaphthalene	ND	0.946	mg/kg dry	1.75	54%	11 - 120	14 50	9112389	NSK1299-03	11/17/09 15:22
Surrogate: Terphenyl-d14		0.988	mg/kg dry	1.75	56%	18 - 120		9112389	NSK1299-03	11/17/09 15:22
Surrogate: 2-Fluorobiphenyl		0.877	mg/kg dry	1.75	50%	14 - 120		9112389	NSK1299-03	11/17/09 15:22
Surrogate: Nitrobenzene-d5		0.751	mg/kg dry	1.75	43%	17 - 120		9112389	NSK1299-03	11/17/09 15:22



Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received:

11/13/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

Attn

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



Client EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NSK1299

Project Name:

Laurel Bay Housing Project

Project Number: [none]

Received: 11/13/09 08:00

DATA QUALIFIERS AND DEFINITIONS

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

METHOD MODIFICATION NOTES

THE LEADER IN SINCE MAINTAIL	TESTINE	Nashville i 2960 Fost Nashville,	er Crei	ghton	1				Free	: 615 : 800 : 615	-765	-0980	1						metho	ds, is t	his wor Irposes	k being ?	conde	nalytica ucted fo	r		
Client Name/Account #: EE															_						C			onitorin	•	Yes	 No
	179 Highway														_							Enforc	ement	Action?	?	Yes	 No
City/State/Zip: La																		State:									
Project Manager: To	om McElwee e	mail: mcelw	ee@ee	ginc.ne	et			15		~					-					15-	29	<u> </u>					
Telephone Number: 84	3.412.2097	11 =3				Fax	No.	(8	43	1	-8	<i>7</i> 9	ان ر	40	_		TA Qu										
Sampler Name: (Print)	Puc 4	# S	<u>h 14</u>	<u> </u>													Proje	ct ID:	Laurel	Bay H	ousing	Projec	<u>t</u>				
Sampler Signature:	<i>&</i>	2//	TS,	<u>Z_</u>							_				_		Proj	ect #:									
			//	·				Pre	serva	tive		<u>ş</u>		Matr	ix		т.				Ar	nalyze I	For:				
ample ID / Description 4/3 Kldenbanny 1 4/7 Eldenbanny 1 4(9 Eldenbanny 1	19/04 13/24 13/24 19/04	0 545 11 35 1515	No of Containers Shipped	X X Grab	Composite	Field Fittered	(Ce HNO, (Red Label)	CALL (MALLANDICH CY ON ON	NaOH (Orange Label) H-SO, Plastic (Yellow Label)	H,SO ₄ Glass(Yellow Label)	V C None (Black Label)	Groundwater	Wastewater	Drinking Water	abrois y	Other (specify):	W W BTEX + Napth - 8260F	(LA) NPAH - 8270D									RUSH TAT (Pre-Schedule
Special Instructions:		ــــــ	ـــــــ	L_1				1-1	_ـــــ	لــــــــــــــــــــــــــــــــــــــ			لــــــــــــــــــــــــــــــــــــــ			لــــــــــــــــــــــــــــــــــــــ			Labor	atory (Commo	ents:	L	Ь	L	L	
Relinquished by:	Date Oate	09	Tir 190 Tir	20	Receiv	ed by:	/2	od of S	<u></u>	nent:	_		1/1	Date	107	EDE	Time			Temp	erature	Upon I					Y



CWM - NHM - 1 - 5/97

NON-HAZARDOUS MANIFEST

CW86I (Form designed for use on elite (12-pitch) typewriter.) 2. Page 1 NON-HAZARDOUS MANIFEST of a Generator's Name and Mailing Address
MCAS, Beaution
Laurel Bay Housing
Beaution SC 23904 A. Manifest Number 10885454 WMNA B. State Generator's ID 843 228-6460 Generator's Phone Transporter 1 Company Name US EPA ID Number C. State Transporter's ID D. Transporter's Phone 843 879-0411 EEG, Inc. E. State Transporter's ID Transporter 2 Company Name US EPA ID Number F. Transporter's Phone Designated Facility Name and Site Address G. State Facility's ID US EPA ID Numbe HICKORY HILL LANDFILL H. Facility's Phone ROUTE 1, BOX 121 843 987-4643 RIDGELAND SC 29996 11. Description of Waste Materials 12. Containers 13. Total I. Misc. Comments Heating Oil Tank filled with Sand 1026558C 0.0.1 WM Profile # b. WM Profile # WM Profile # d. WM Profile # K. Disposal Location Additional Descriptions for Materials Listed Above Landfill Solidification Cell Level Bio Remediation 2) 405 Elderberry Special Handling Instructions and Additional Information GEM UST'S FROM's AMIS EldERBERRY Q 419 ElderbERRY 483 LAUREL BAY Blud. 481 LAURE | BAY Blud. Purchase Order # EMERGENCY CONTACT: GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations. Month Day Printed/Typed Name Signature "On behalf of Year 1000 17. Transporter 1 Acknowledgement of Receipt of Materials Day Year Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Month Day Printed/Typed Name Signature Year 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. Facitity Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest. 20. Printed/Typed Name/ Month Day Year Signature 11/100

Appendix C Regulatory Correspondence



BOARD: Paul C. Aughtry, III Chairman Edwin H. Cooper, III Vice Chairman Steven G. Kisner



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

BOARD: Henry C. Scott

M. David Mitchell, MD

Glenn A. McCall

Coleman F. Buckhouse, MD

Bureau of Land and Waste Management Division of Waste Management

September 9, 2010

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:

413 Elderberry

417 Elderberry

419 Elderberry

534 Laurel Bay

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, 2010 for the addresses listed above.

The Department has reviewed the referenced assessment report along with the additional information submitted 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

Wise Picket

South Carolina Department of Health and Environmental Control

cc:

Laurel Rhoten (via email)

Craig Ehde (via email)