SUMMARY REPORT
151 WEST ALTHEA STREET (FORMERLY 766 WEST ALTHEA 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:

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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
ft	feet
IDIQ	Indefinite Delivery, Indefinite Quantity
IGWA	Initial Groundwater Assessment
JV	Joint Venture
LBMH	Laurel Bay Military Housing
LTM	long-term monitoring
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
SVOC	semi-volatile organic compound
UFP SAP	Uniform Federal Policy Sampling and Analysis Plan
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VISL	vapor intrusion screening level
VOC	volatile organic compound

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 151 West Althea Street (Formerly 766 West Althea 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 UST. 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 heating oil USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with the 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.

The LBMH UST removal and assessment process is described below in Section 1.2. The LBMH multi-media investigation selection process tree, used to evaluate the environmental impact of USTs for most sites at LBMH, is presented in Appendix A. It should be noted that because three of the USTs were removed prior to 2007, the subject property of this report did not follow the typical multi-media investigation selection process presented in Appendix A.

1.2 UST Removal and Assessment Process

As stated above, the assessment process at this property did not follow the typical process presented in Appendix A.

An initial assessment investigation was conducted at this property, as part of an emergency response, following a release of water and oil from the ground after a water main was ruptured during construction activities. Subsurface soil samples were collected and permanent wells installed around the property and surrounding properties. A groundwater sample was collected from each permanent monitoring well. The soil and groundwater samples were analyzed for constituents of potential concern (COPCs) including volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

The results of the soil and groundwater results obtained during the initial assessment investigation were used to determine the presence or absence of petroleum COPCs in soil and/or groundwater. Since COPCs were found to be present in a permanent well in excess of the SCDHEC risk-based screening levels (RBSLs) for groundwater, a sampling program (long-term monitoring [LTM]) was established. LTM was conducted at this property bi-annually for three years until COPC concentrations in groundwater sampled from all permanent monitoring wells were less than the SCDHEC RBSLs for at least two consecutive sampling events.

In 2010, an additional UST was found at this subject property. The typical UST removal and assessment process was followed for this UST, as outlined below.

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 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 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 IGWA sampling process utilizes temporary groundwater sampling points that are

typically installed and sampled within the same day. The intent of the sampling point is to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations may require additional delineation of COPCs in groundwater. These sampling points are not subjected to the same installation standards as permanent monitoring wells and, as such; the data obtained from the IGWA wells can sometimes be biased high and is considered preliminary data. In order to confirm the presence of any impact to groundwater, a permanent well is installed where IGWA sampling has indicated the presence of COPCs is in excess of the SCDHEC RBSLs for groundwater. If COPCs are found to be present in the permanent well, additional permanent wells are installed to delineate the extent of impact to groundwater and a sampling program (LTM) is established. LTM is conducted at the property until COPC concentrations in groundwater sampled from all permanent monitoring wells are less than the SCDHEC RBSLs for three or more consecutive sampling events. Groundwater analytical results from permanent wells 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.

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 151 West Althea Street (Formerly 766 West Althea Street). The sampling activities at 151 West Althea Street (Formerly 766 West Althea Street) comprised soil investigations, installation and sampling of permanent monitoring wells, LTM sampling and IGWA sampling. Details regarding the 1999 soil investigations at this site are provided in the *Initial Assessment Report for 766 Althea Street USTs* (United States Army Corps of Engineers [USACE], 1999). The laboratory reports that include the pertinent soil analytical results from the initial assessment report are included in Appendix B. Details regarding the permanent well installations and initial sampling activities at this site are provided in the *Initial Assessment Report for 766 Althea Street USTs* (USACE, 1999). The laboratory reports that include the pertinent groundwater analytical results for this site are presented in Appendix C. Details regarding the most recent LTM activities at this site are provided in the *Biannual Sampling Report Events 3 and 4 for 766 Althea Street USTs* (USACE, 2002), *Results of Monitoring Well Replacement and Sampling to Append Biannual Sampling Report for 766 Althea Street USTs* (USACE, 2003), and the *Results of June 2003 Comprehensive Sampling Event for 766 Althea Street USTs* (USACE, 2003). A comprehensive table of the historical groundwater analytical results for all permanent monitoring wells at the site through 2003 is presented in Appendix D. Details regarding the 2010 soil investigations at

this site are provided in the *SCDHEC UST Assessment Report – 766 West Althea Street* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix E. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix F.

2.1 1999 UST Removal and Soil Sampling

In June 1999, a mixture of heating oil and water was observed flowing out of the ground following the rupture of a new water main during construction at 151 West Althea Street (Formerly 766 West Althea Street). Soil around the ruptured water main was excavated and properly disposed of (i.e., transported to a landfill). The source of the heating oil was the heating oil USTs at 151 West Althea Street (Formerly 766 West Althea Street). On July 6, 1999, three 280 gallon heating oil USTs were removed from the front grassed area at 151 West Althea Street (Formerly 766 West Althea Street) and the soil surrounding the three USTs was also excavated. The USTs and contaminated soil were properly disposed of (i.e., transported to a landfill). Ten subsurface soil samples were collected from 151 West Althea Street (Formerly 766 West Althea Street) and the surrounding properties and shipped to an offsite laboratory for analysis of the petroleum COPCs. Further details are provided in the *Initial Assessment Report for 766 Althea Street USTs* (USACE, 1999).

2.2 1999 Soil Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs from the Initial Assessment Report are presented in Table 1. A copy of the laboratory analytical data reports are included in Appendix B.

The soil results collected from 151 West Althea Street (Formerly 766 West Althea Street) were less than the SCDHEC RBSLs, which indicated the subsurface soil was not impacted by COPCs associated with the former USTs (Tanks 1, 2 and 3) at concentrations that presented a potential risk to human health and the environment.

2.3 Permanent Well Groundwater Sampling

In July 1999, five permanent monitoring wells were installed at 151 West Althea Street (Formerly 766 West Althea Street), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used

to determine whether COPCs are migrating to underlying groundwater, a permanent monitoring well, 766-GP-1, was placed in the same general location as the former heating oil USTs (Tanks 1, 2 and 3). Four additional permanent wells (766-GP-2, 766-GP-3, 766-GP-4 and 766-GP-5) were also installed at 151 West Althea Street (Formerly 766 West Althea Street), or at the immediately surrounding properties, to delineate potential groundwater contamination. The monitoring wells were collocated with the first five subsurface soil sampling locations. Further details are provided in the *Initial Assessment Report for 766 Althea Street USTs* (USACE, 1999).

The sampling strategy for this phase of the investigation required an initial sampling event of the permanent monitoring wells. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Field forms are provided in the *Initial Assessment Report for 766 Althea Street USTs* (USACE, 1999).

2.4 Permanent Well Groundwater Analytical Results

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

The groundwater results collected from 151 West Althea Street (Formerly 766 West Althea Street) at 766-GP-1 were greater than the SCDHEC RBSLs (Table 2), which indicated that further investigation was required. In a letter dated January 20, 2000, SCDHEC requested that LTM be carried out for 151 West Althea Street (Formerly 766 West Althea Street) to continue to monitor the impact to groundwater detected in the permanent well sample (766-GP-1). SCDHEC's request letter is provided in Appendix G.

2.5 Long Term Monitoring

The LTM program at 151 West Althea Street (Formerly 766 West Althea Street) consisted of bi-annual groundwater sampling at the five permanent monitoring wells. LTM sampling activities were conducted bi-annually from 2000 until 2003 at the referenced site. The latest groundwater sampling details are provided in the *Results of June 2003 Comprehensive Sampling Event for 766 Althea Street USTs* (USACE, 2003).

Monitoring well 766-GP-2 was destroyed during construction activities before a groundwater sample could be collected. In August 2000, a replacement monitoring well was installed at 151 West Althea Street (Formerly 766 West Althea Street). The permanent monitoring well, 766-

GP-2R, was placed in the same location as the previously destroyed monitoring well. Further details are provided in the *Biannual Sampling Report Events 1 and 2 for 766 Althea Street USTs* (USACE, 2001).

During the November 2002 sampling event, monitoring well 766-GP-1 was replaced with monitoring well 766-GP-1R, which had a wider diameter (1.25 inches diameter compared to 0.75 inch diameter) in order to obtain a more representative groundwater sample. Further details are provided in the *Results of Monitoring Well Replacement and Sampling to Append Biannual Sampling Report for 766 Althea Street USTs* (USACE, 2003).

The sampling strategy for this phase of the investigation required bi-annual LTM sampling of the permanent wells until an optimized monitoring strategy (e.g., reduced COPCs, reduced sampling frequency, reduce number of wells, etc.) or NFA determination could made for the site. During each LTM sampling event, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Field activities from the most recent sampling events at 151 West Althea Street (Formerly 766 West Althea Street) are described in the *Biannual Sampling Report Events 3 and 4 for 766 Althea Street USTs* (USACE, 2002), *Results of Monitoring Well Replacement and Sampling to Append Biannual Sampling Report for 766 Althea Street USTs* (USACE, 2003), and the *Results of June 2003 Comprehensive Sampling Event for 766 Althea Street USTs* (USACE, 2003).

2.6 Long Term Monitoring Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 3. Comprehensive tables of the historical groundwater analytical results for all permanent monitoring wells at the site through 2003 are presented in Appendix D. The associated laboratory analytical data reports are located in each of the bi-annual LBMH groundwater monitoring reports. The groundwater results collected from 151 West Althea Street (Formerly 766 West Althea Street) were less than the SCDHEC RBSLs (Table 3) during the December 2002 and June 2003 groundwater sampling events. This indicated that the groundwater was no longer impacted by COPCs associated with the former USTs (Tanks 1, 2 and 3) at concentrations that may present a potential risk to human health and the environment.

2.7 2010 UST Removal and Soil Sampling

On October 14, 2010, one additional 280 gallon heating oil UST was removed from the side at 151 West Althea Street (Formerly 766 West Althea Street). The former UST location is

indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix E). 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 E), the depth to the base of the UST was 4'4" 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 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.

2.8 2010 Soil Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs for the former UST location (Tank 4) are presented in Table 4. A copy of the laboratory analytical data reports are included in the UST Assessment Report presented in Appendix E. 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 E). The results of the soil sampling at the former UST location (Tank 4) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or No Further Action [NFA]) for the property. The soil results collected from the former UST location (Tank 4) at 151 West Althea Street (Formerly 766 West Althea Street) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated July 1, 2015, SCDHEC requested an IGWA for 151 West Althea Street (Formerly 766 West Althea Street) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix G.

2.9 Initial Groundwater Sampling

On November 18, 2015, a single temporary monitoring well was installed at 151 West Althea Street (Formerly 766 West Althea Street), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST (Tank 4). The former UST location is indicated on the Figures 2 and 3 of the UST Assessment Report

(Appendix E). Further details are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016).

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

2.10 Initial Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 5. A copy of the laboratory analytical data report is included in Appendix F.

The groundwater results collected from 151 West Althea Street (Formerly 766 West Althea Street) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 5), which indicated that the groundwater was not impacted by COPCs associated with the former UST (Tank 4) at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater collected from the permanent monitoring wells during the three most recent sampling events, SCDHEC made the determination that NFA was required for the former heating oil USTs (Tanks 1, 2 and 3) at 151 West Althea Street (Formerly 766 West Althea Street). Based on the analytical results for groundwater collected from the temporary monitoring well, SCDHEC made the determination that NFA was required for the former heating oil UST (Tank 4) at 151 West Althea Street (Formerly 766 West Althea Street). The NFA determinations for groundwater were obtained in letters dated October 10, 2003 and June 8, 2016. SCDHEC's letters are provided in Appendix G.

4.0 REFERENCES

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Tables

Table 1
Laboratory Analytical Results - Soil - Initial Assessment Investigation
151 West Althea Street (Formerly 766 West Althea Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 06/28/99									
		766-SS-1	766-SS-2	766-SS-3	766-SS-4	766-SS-5	766-SS-6	766-SS-7	766-SS-8	766-SS-9	766-SS-10
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)											
Benzene	0.003	**0.0079**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.15	**0.1566**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.036	**0.0237**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.627	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	13.01	**0.3357**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)											
Benzo(a)anthracene	0.066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 (SCDHEC, May 2001).
Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL.
EPA - United States Environmental Protection Agency
mg/kg - milligrams per kilogram
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The soil laboratory report is provided in Appendix B.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Permanent Monitoring Well Groundwater
151 West Althea Street (Formerly 766 West Althea Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 08/11/99 and 08/12/00				
		766-GP-1 08/11/99	766-GP-2R 08/12/00	766-GP-3 08/11/99	766-GP-4 08/11/99	766-GP-5 08/11/99
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)						
Benzene	5	ND	ND	ND	ND	ND
Ethylbenzene	700	**88.0**	ND	ND	ND	ND
Naphthalene	25	**61.0**	ND	**2.2**	ND	ND
Toluene	1000	**10.5**	ND	ND	ND	ND
Xylenes, Total	10,000	**18.0**	ND	ND	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)						
Benzo(a)anthracene	10	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	10	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	10	ND	ND	ND	ND	ND
Chrysene	10	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	10	ND	ND	ND	ND	ND

Notes:
[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 (SCDHEC, May 2001).
Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.
EPA - United States Environmental Protection Agency
JE - Johnson & Ettinger
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix C.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control
µg/L - micrograms per liter
VISL - Vapor Intrusion Screening Level

Table 3
Laboratory Analytical Results - Long Term Monitoring
151 West Althea Street (Formerly 766 West Althea Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent		Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenz(a,h) anthracene
SCDHEC RBSLs [1] (µg/L)		5	700	25	1000	10,000	10	10	10	10	10
Well ID	Sample Date										
766-GP-1	8/11/1999	ND	**88**	**61**	**10.5**	**18**	ND	ND	ND	ND	ND
	8/12/2000	**2.1**	**9.9**	**71**	ND	**49.1**	ND	ND	ND	ND	ND
	4/24/2001	**2.2**	**5.5**	**30.3**	ND	**19.1**	ND	ND	ND	ND	ND
	11/9/2001	ND	**5.2**	**23**	ND	**21**	ND	ND	ND	ND	ND
	6/20/2002	**5.5**	**6.0**	**46**	ND	**27**	NA	NA	NA	NA	NA
766-GP-1R	12/18/2002	ND	**0.57**	**4.98**	ND	**6.99**	ND	ND	ND	ND	ND
	6/22/2003	**0.28**	**0.27**	**16.8**	ND	**1.91**	ND	ND	ND	ND	ND
766-GP-2R	8/12/2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/24/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/20/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/22/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
766-GP-3	8/11/1999	ND	ND	**2.2**	ND	ND	ND	ND	ND	ND	ND
	8/12/2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/24/2001	ND	ND	**5.2**	ND	ND	ND	ND	ND	ND	ND
	11/9/2001	ND	ND	**1.9**	ND	ND	ND	ND	ND	ND	ND
	6/20/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/22/2003	**0.51**	ND	ND	ND	ND	ND	ND	ND	ND	ND
766-GP-4	8/11/1999	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/24/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/20/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/22/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
766-GP-5	8/11/1999	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/12/2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/24/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/20/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/22/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 (SCDHEC, May 2001).
Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.
JE - Johnson & Ettinger
NA - not analyzed
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). A comprehensive table of the historical groundwater analytical results for all permanent monitoring wells at the site through 2015 is presented in Appendix D.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control
µg/L - micrograms per liter
VISL - Vapor Intrusion Screening Level

Table 4
Laboratory Analytical Results - Soil - UST Removal Report
151 West Althea Street (Formerly 766 West Althea Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Sample Collected 10/14/10
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	**0.0550**
Naphthalene	0.036	**0.154**
Toluene	0.627	**0.00240**
Xylenes, Total	13.01	**0.0678**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.066	ND
Benzo(b)fluoranthene	0.066	ND
Benzo(k)fluoranthene	0.066	ND
Chrysene	0.066	**0.0570**
Dibenz(a,h)anthracene	0.066	ND

Notes:

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 5
Laboratory Analytical Results - Initial Groundwater
151 West Althea Street (Formerly 766 West Althea Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs[2]	Results Sample Collected 11/18/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	**0.35**
Naphthalene	25	29.33	**3.4**
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	**5.0**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

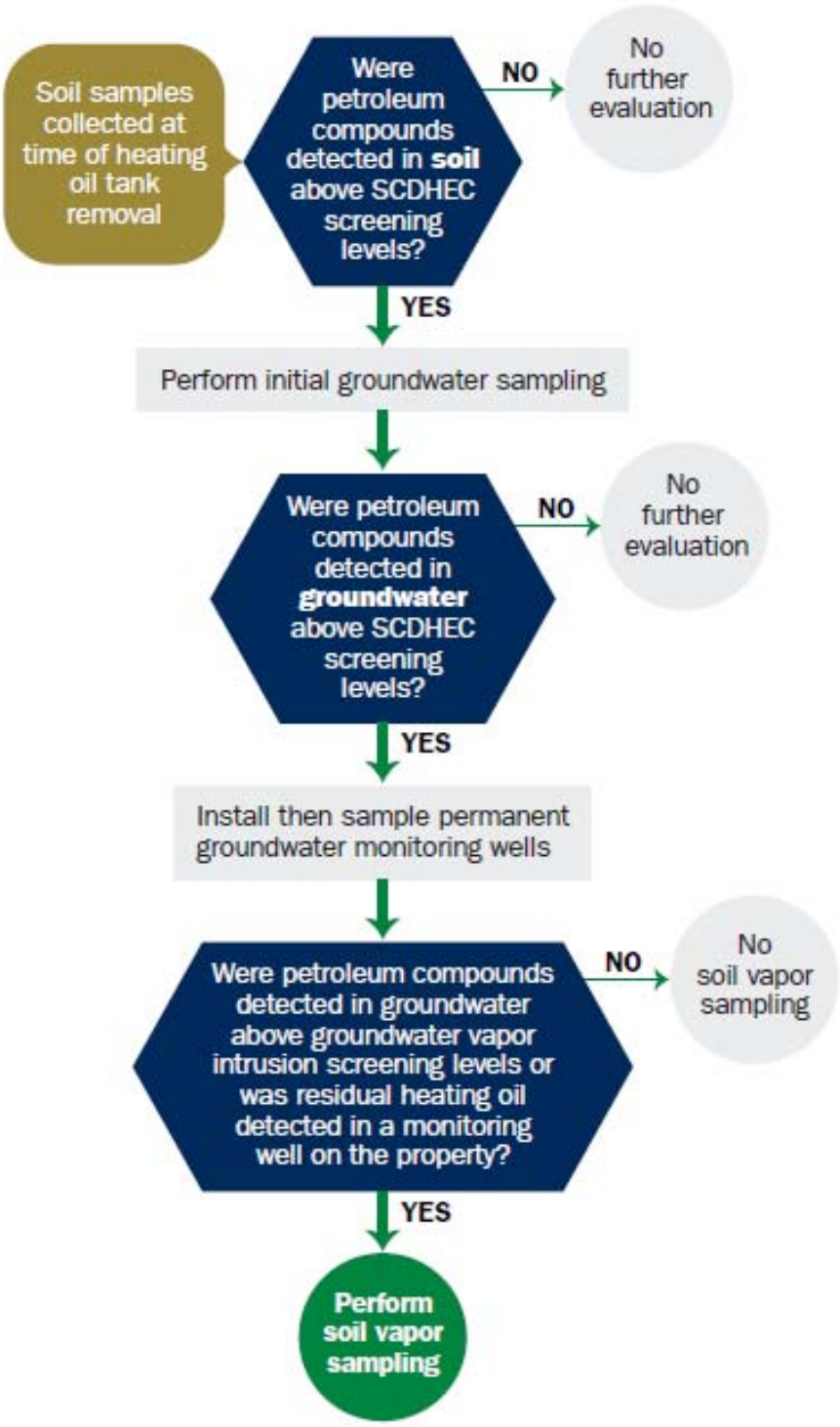
[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 (SCDHEC, May 2015).

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

Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.
EPA - United States Environmental Protection Agency
JE - Johnson & Ettinger
NA - not applicable
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix F.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control
µg/L - micrograms per liter
VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
Laboratory Analytical Reports – Soil – Initial Assessment Investigation

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

'SACE-SAVANNAH DISTRICT 6995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/SW/HT

Lab Number: 99-A96315
Sample ID: 766-SS-1-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 14:30
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Adjusted Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS*										
Acenaphthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Benzo(b)Fluoranthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Benzo(k)Fluoranthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.868	0.660	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2,4-Dinitrotoluene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351

COPY 1

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-A96315
Sample ID: 766-SS-1-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
3,4-Methylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
N-nitroso-di-n-propylamine	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8344
Acrolein	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8344
Acrylonitrile	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8344
Benzene	0.0079	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
Bromobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
Bromochloromethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
Bromoform	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
Bromomethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
2-Butanone	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8344
n-Butylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
sec-Butylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
tert-Butylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344
Carbon disulfide	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8344

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-A96315
Sample ID: 766-SS-1-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Ethylbenzene	3.1566	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Isopropylbenzene	0.0181	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
p-Isopropyltoluene	0.0095	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0066	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8544
Naphthalene	0.0237	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
n-Propylbenzene	0.0125	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544

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-A96315
Sample ID: 766-SS-1-6-99

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Trichlorobenzene	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,4-Trichlorobenzene	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,1-Trichloroethane	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2-Trichloroethane	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Trichloroethene	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	0.1694	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	0.0436	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Vinyl acetate	ND	ug/kg	0.0132	0.0100	1	7/ 4/99	13:39	S. Wani	8260B	8544
Vinyl chloride	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Xylenes	0.3337	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Bromodichloromethane	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Trichlorofluoromethane	ND	ug/kg	0.0026	0.0020	1	7/ 4/99	13:39	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	ug/kg	0.0132	0.0050	1	7/ 4/99	13:39	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	76.	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	110.	48. - 160.
Surr-Toluene d8	96.	79. - 129.
Surr-4-Bromofluorobenzene	89.	59. - 135.
Surr-Dibromofluoromethane	93	62. - 135.
Surr-Nitrobenzene-d5	90.	20. - 110.
Surr-2-Fluorobiphenyl	69.	18. - 110.
Surr-Terphenyl d14	70.	27. - 128.
Surr-Phenol d5	92.	10. - 111.
Surr-2-Fluorophenol	83.	10. - 107.
Surr-2,4,6-Tribromophenol	71.	14. - 110.

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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-A96315
Sample ID: 766-SS-1-6-99

All samples have been corrected for dry weight.

Report Approved By: _____ Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny R. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 9999
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/SW/HT

Lab Number: 99-A96313
Sample ID: 766-SS-2-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 14:15
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Mean Limit	Dil Factor	Date	Time	Analyst	Method	Batch
SEMI-EXTRACTABLE ORGANICS*										
Acenaphthene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.835	0.660	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2,4-dinitrotoluene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351

COPY 1

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-A96313
Sample ID: 766-SS-2-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
1-Methylnaphthalene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
m,p-Methylphenol	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.04	0.825	1	7/ 7/99	1:30	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.413	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Acrolein	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Acrylonitrile	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Benzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Bromobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Bromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Bromoform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Bromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
2-Butanone	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
n-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
sec-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
tert-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Carbon disulfide	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544

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-A96313
Sample ID: 766-SS-2-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0063	0.0050	1	7/ 9/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544

COPY 1

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-A96313
Sample ID: 766-SS-2-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0127	0.0100	1	7/ 4/99	12:32	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Bromodichloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0127	0.0050	1	7/ 4/99	12:32	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	79	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	101.	48. - 160.
Surr-Toluene d8	100.	79. - 119.
Surr-4-Bromofluorobenzene	94.	59. - 135.
Surr-Dibromofluoromethane	75.	63. - 135.
Surr-Nitrobenzene-d5	28.	20. - 110.
Surr-2-Fluorobiphenyl	52.	18. - 110.
Surr-Terphenyl d14	57.	27. - 126.
Surr-Phenol d5	33.	10. - 111.
Surr-2-Fluorophenol	53.	10. - 107.
Surr-2,4,6-Tribromophenol	60.	14. - 110.

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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96313
Sample ID: 766-SS-2-6-99

All samples have been corrected for dry weight.

Report Approved By: T J Duello Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director
Michael W. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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Phone 1-615-726-0177

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 9995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB T66
Sampler: MB/SW/HT

Lab Number: 99-A96318
Sample ID: 766-SS-3-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 16:13
Date Received: 6/29/99
Time Received: 9:00

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	7/ 7/99	5:58	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.813	0.660	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2,4-Dinitrotoluene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351

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ANALYTICAL REPORT

Laboratory Number: 99-A96318
Sample ID: 766-SS-3-6-99

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	7/ 7/99	5:58	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
m,p-Methylphenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.02	0.825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
VOLATILE ORGANICS*										
Acetone	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Acrolein	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Acrylonitrile	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Benzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Bromobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Bromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Bromoform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Bromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
2-Butanone	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
n-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
sec-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
t-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Carbon disulfide	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544

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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96318
Sample ID: 766-SS-3-6-99

Analyte	Result	Units	Report Limit	Mean Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0062	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0123	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96318
Sample ID: 766-SS-3-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:01	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Dibromodichloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0125	0.0050	1	7/ 4/99	17:01	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	81.	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PCB's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	115.	48. - 160.
Surr-Toluene d8	105.	79. - 119.
Surr-4-Bromofluorobenzene	89.	69. - 135.
Surr-Dibromofluoromethane	97.	63. - 135.
Surr-Nitrobenzene-d5	35.	20. - 110.
Surr-2-Fluorobiphenyl	60.	18. - 110.
Surr-Terphenyl d14	65.	27. - 128.
Surr-Phenol d5	48.	10. - 111.
Surr-2-Fluorophenol	41.	10. - 107.
Surr-2,4,6-Tribromophenol	87.	14. - 110.

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-A96318
Sample ID: 766-SS-3-6-99

All samples have been corrected for dry weight.

Report Approved By: T. J. Duello Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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Phone 1-615-726-0177

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 8999
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/SW/HT

Lab Number: 99-A96319
Sample ID: 766-SS-4-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 16:17
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<EXTRACTABLE ORGANICS>										
Acenaphthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.825	0.660	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2,4-dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96319
Sample ID: 766-SS-4-5-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
m,p-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	6:37	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Acrolein	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Acrylonitrile	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Benzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Bromobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Bromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Bromoform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Bromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
2-Butanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
n-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
sec-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
t-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Carbon disulfide	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96319
Sample ID: 766-SS-4-6-99

Analyte	Result	Units	Report Limit	Mean Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0062	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544

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-A96319
Sample ID: 766-SS-4-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	17:35	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0125	0.0050	1	7/ 4/99	17:35	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	30.	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
SHA's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	136.	48. - 160.
Surr-Toluene d8	106.	79. - 117.
Surr-4-Bromofluorobenzene	98.	69. - 135.
Surr-Dibromofluoromethane	108.	63. - 135.
Surr-Nitrobenzene-d5	68.	20. - 110.
Surr-2-Fluorobiphenyl	68.	18. - 110.
Surr-Terphenyl d14	73.	27. - 128.
Surr-Phenol d5	42.	10. - 111.
Surr-2-Fluorophenol	43.	10. - 107.
Surr-2,4,6-Tribromophenol	68.	14. - 110.

COPY 1

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-A96319
Sample ID: 766-SS-4-6-99

All samples have been corrected for dry weight.

Report Approved By: _____ Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 3995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/EW/HT

Lab Number: 99-A96314
Sample ID: 766-SS-5-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 14:22
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
SEXTRACTABLE ORGANICS*										
Acenaphthene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.957	0.660	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2,4-Dinitrotoluene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.478	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351

COPY 1

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-A96314
Sample ID: 766-SS-5-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
bis-n-octylphthalate	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
3,4-Methylphenol	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
bis(2-ethylhexyl)phthalate	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.20	0.825	1	7/ 7/99	2:08	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.470	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Acrolein	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Acrylonitrile	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Benzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Bromobenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Bromochloromethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Bromoform	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Bromomethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
2-Butanone	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
n-Butylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
sec-Butylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
tert-Butylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Carbon disulfide	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544

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-A96314
Sample ID: 766-SS-5-6-99

Analyte	Result	Units	Report Limit	Mass Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0072	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544

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-A96314
Sample ID: 766-SS-5-6-99

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Bromodichloromethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0145	0.0050	1	7/ 4/99	13:06	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
Dry Weight	89	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PNA's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	114.	48. - 160.
Surr-Toluene d8	97	79. - 119.
Surr-4-Bromofluorobenzene	94.	69. - 135.
Surr-Dibromofluoromethane	104.	63. - 135.
Surr-Nitrobenzene-d5	58.	20. - 110.
Surr-2-Fluorobiphenyl	67.	18. - 110.
Surr-Terphenyl d14	70.	27. - 128.
Surr-Phenol d5	44.	10. - 111.
Surr-2-Fluorophenol	42.	10. - 107.
Surr-2,4,6-Tribromophenol	74.	14. - 110.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96314
Sample ID: 766-SS-3-6-99

All samples have been corrected for dry weight.

Report Approved by: _____ Report Date: 7/ 8/99

Theodore J. Cicello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny L. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A. Cage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 3995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/SW/HT

Lab Number: 99-A96321
Sample ID: 766-SS-6-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 16:35
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<EXTRACTABLE ORGANICS>										
Acenaphthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.825	0.660	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2,4-Dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351

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-A96321
Sample ID: 766-SS-6-6-99

Analyte	Result	Units	Report Limit	Mean Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
m,p-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8344
Acrolein	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8344
Acrylonitrile	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8344
Benzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
Bromobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
Bromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
Bromoform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
Bromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
2-Butanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8344
n-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
sec-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
t-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344
Carbon disulfide	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8344

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96321
Sample ID: 766-SS-6-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0062	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544

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-A96321
Sample ID: 766-SS-6-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Bromodichloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0125	0.0050	1	7/ 4/99	18:43	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	80.	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	132.	48. - 160.
Surr-Toluene d8	98.	79. - 119.
Surr-4-Bromofluorobenzene	78.	69. - 135.
Surr-Dibromofluoromethane	106.	63. - 155.
Surr-Nitrobenzene-d5	86.	20. - 110.
Surr-2-Fluorobiphenyl	63.	18. - 110.
Surr-Terphenyl d14	67.	27. - 128.
Surr-Phenol d5	38.	10. - 111.
Surr-2-Fluorophenol	41.	10. - 107.
Surr-2,4,6-Tribromophenol	63.	14. - 110.

COPY 1

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-A96321
Sample ID: 766-SS-6-6-99

All samples have been corrected for dry weight.

Report Approved By: _____ Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 6995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/SW/HT

Lab Number: 99-A96316
Sample ID: 766-SS-7-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 15:50
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Dqln Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS*										
Acenaphthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.825	0.660	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2,4-Dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351

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-A96316
Sample ID: 766-SS-7-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
bis-n-octylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
m,p-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
n-nitrosodi-n-propylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
n-nitrosodiphenylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
bis(2-ethylhexyl)phthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
Acrolein	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
Acrylonitrile	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260A	8544
Benzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Bromobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Bromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Bromoform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Bromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
2-Butanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
n-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
sec-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
tert-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Carbon disulfide	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96316
Sample ID: 766-SS-7-6-99

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0062	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544

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-A96316
Sample ID: 766-SS-7-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0125	0.0050	1	7/ 4/99	14:13	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	30.	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	119.	48. - 150.
Surr-Toluene d8	99.	79. - 119.
Surr-4-Bromofluorobenzene	96.	69. - 135.
Surr-Dibromofluoromethane	95.	83. - 135.
Surr-Nitrobenzene-d5	31.	20. - 110.
Surr-2-Fluorobiphenyl	55.	10. - 110.
Surr-Terphenyl d14	59.	27. - 128.
Surr-Phenol d5	35.	10. - 111.
Surr-2-Fluorophenol	35.	10. - 107.
Surr-2,4,6-Tribromophenol	57.	14. - 110.

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96316
Sample ID: 766-SS-7-6-99

All samples have been corrected for dry weight.

Report Approved By: _____ Report Date: 7/ 8/99

Theodore J. Duelic, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 3995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LE 766
Sampler: MB/SW/HT

Lab Number: 99-A96317
Sample ID: 766-SS-8-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 16:00
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.868	0.660	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2,4-Dinitrotoluene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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ANALYTICAL REPORT

Laboratory Number: 99-A96317
Sample ID: 766-SS-8-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
m,p-Methylphenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.09	0.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8344
Acrolein	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8344
Acrylonitrile	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8344
Benzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
Bromobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
Bromochloromethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
Bromoform	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
Bromomethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
2-Butanone	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8344
n-Butylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
sec-Butylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
tert-Butylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344
Carbon disulfide	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8344

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-A96317
Sample ID: 766-SS-8-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0130	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
trans-1 3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0130	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0065	0.0050	1	7/ 4/99	9:10	M. Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0130	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0130	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544

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-A96317
Sample ID: 766-SS-6-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0132	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Bromodichloromethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0132	0.0050	1	7/ 4/99	16:28	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	76.	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PNA's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	133.	48. - 160.
Surr-Toluene d8	109.	79. - 119.
Surr-4-Bromofluorobenzene	96.	69. - 135.
Surr-Dibromofluoromethane	98.	63. - 135.
Surr-Nitrobenzene-d5	32.	20. - 110.
Surr-2-Fluorobiphenyl	53.	18. - 110.
Surr-Terphenyl d14	55.	27. - 128.
Surr-Phenol d5	36.	10. - 111.
Surr-2-Fluorophenol	34.	10. - 107.
Surr-2,4,6-Tribromophenol	53.	14. - 110.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A96317
Sample ID: 766-SS-8-6-99

All samples have been corrected for dry weight.

Report Approved By: _____ Report Date: 7/ 8/99

Theodore J. Dueilo, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 3995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/SW/HT

Lab Number: 99-A96322
Sample ID: 766-SS-9-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 16:46
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
=EXTRACTABLE ORGANICS=										
Acenaphthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.825	0.660	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351

COPY 1

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-A96322
Sample ID: 766-SS-9-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
m,p-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4,5-Trichlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
VOLATILE ORGANICS										
Acetone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Acrolein	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Acrylonitrile	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Benzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Bromobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Bromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Bromoform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Bromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Butanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
n-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
sec-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
t-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Carbon disulfide	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544

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-A96322
Sample ID: 766-SS-9-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0062	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 9999
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LS 766
Sampler: MB/SW/HT

Lab Number: 99-A96322
Sample ID: 766-SS-9-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 16:46
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<EXTRACTABLE ORGANICS>										
Acenaphthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.825	0.660	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,4-dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351

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-A96322
Sample ID: 766-SS-9-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
-n-octylphthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
ndeno(1,2,3-cd)pyrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-Methylnaphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
,p-Methylphenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
laphthalene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-Nitroaniline	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-Nitrophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-Nitrophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-nitrosodi-n-propylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
-nitrosodiphenylamine	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
entachlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
henanthrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
henol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
yrene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
is(2-ethylhexyl)phthalate	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
,2,4-Trichlorobenzene	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
,4,5-Trichlorophenol	ND	mg/kg	1.03	0.825	1	7/ 7/99	8:35	M. Cobb	8270C	8351
,4,6-Trichlorophenol	ND	mg/kg	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8270C	8351
VOLATILE ORGANICS										
cetone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260C	8544
crolein	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260C	8544
crylonitrile	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260C	8544
enzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
romobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
romochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
romoform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
romomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
-Butanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260C	8544
-butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
ec-Butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
-butylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544
arbon disulfide	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260C	8544

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-A96322
Sample ID: 766-SS-9-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
cis-1 2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
trans-1 2-Dichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
3-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0062	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544

COPY 1

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-A96322
Sample ID: 766-SS-9-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Bromodichloromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0125	0.0050	1	7/ 4/99	19:17	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	80.	%			1	7/ 8/99	15:57	Fitzwater	CLP	225

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	117.	48. - 160.
Surr-Toluene d8	86.	79. - 119.
Surr-4-Bromofluorobenzene	69.	69. - 135.
Surr-Dibromofluoromethane	97.	66. - 135.
Surr-Nitrobenzene-d5	37.	20. - 110.
Surr-2-Fluorobiphenyl	63.	18. - 110.
Surr-Terphenyl d14	68.	27. - 120.
Surr-Phenol d5	39.	10. - 111.
Surr-2-Fluorophenol	42.	10. - 107.
Surr-2,4,6-Tribromophenol	64.	14. - 110.

COPY 1

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-A96322
Sample ID: 766-SS-9-6-99

All samples have been corrected for dry weight.

Report Approved By: _____ Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Cage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 3995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LB 766
Sampler: MB/SW/HT

Lab Number: 99-A96312
Sample ID: 766-SS-10-6-99
Sample Type: Soil
Site ID:

Date Collected: 6/28/99
Time Collected: 14:00
Date Received: 6/29/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Acenaphthylene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Anthracene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Benzo(a)anthracene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Benzo(a)pyrene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Benzo(b)fluoranthene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Benzo(g,h,i)perylene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Benzo(k)fluoranthene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
4-Bromophenylphenylether	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Butylbenzylphthalate	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Carbazole	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
4-Chloro-3-methylphenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
4-Chloroaniline	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Bis(2-Chloroethoxy)methane	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Bis(2-Chloroethyl)ether	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Bis(2-Chloroisopropyl)ether	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2-Chloronaphthalene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2-Chlorophenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
4-Chlorophenylphenylether	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Chrysene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Dibenzofuran	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Dibenz(a,h)anthracene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
1,2-Dichlorobenzene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
1,3-Dichlorobenzene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
1,4-Dichlorobenzene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
3,3'-Dichlorobenzidine	ND	mg/kg	0.776	0.660	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2,4-Dichlorophenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Diethylphthalate	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2,4-Dimethylphenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Dimethylphthalate	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Di-n-butylphthalate	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2,4-Dinitrophenol	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2,4-Dinitrotoluene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2,6-Dinitrotoluene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351

COPY 1

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-A96312
Sample ID: 766-SS-10-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Di-n-octylphthalate	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Fluoranthene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Fluorene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Hexachlorobenzene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Hexachlorobutadiene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Hexachlorocyclopentadiene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Hexachloroethane	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Isophorone	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2-Methylnaphthalene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2-Methylphenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
3,4-Methylphenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Naphthalene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2-Nitroaniline	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
3-Nitroaniline	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
4-Nitroaniline	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Nitrobenzene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2-Nitrophenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
4-Nitrophenol	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
N-nitrosodi-n-propylamine	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
N-nitrosodiphenylamine	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Pentachlorophenol	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Phenanthrene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Phenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Pyrene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
Bis(2-ethylhexyl)phthalate	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
1,2,4-Trichlorobenzene	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2,3,5-Trichlorophenol	ND	mg/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cobb	8270C	8351
2,4,6-Trichlorophenol	ND	mg/kg	0.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
VOLATILE ORGANICS*										
Acetone	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Acrolein	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Acrylonitrile	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Benzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Bromobenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Bromochloromethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Bromoform	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Bromomethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
2-Butanone	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
n-Butylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
sec-butylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
tert-Butylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Carbon disulfide	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544

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-A96312
Sample ID: 766-SS-10-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Carbon tetrachloride	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Chlorobenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Chloroethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
2-Chloroethylvinylether	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Chloroform	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Chloromethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
2-Chlorotoluene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
4-Chlorotoluene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Dibromochloromethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2-Dibromoethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Dibromomethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,4-Dichloro-2-butene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2-Dichlorobenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,3-Dichlorobenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,4-Dichlorobenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Dichlorodifluoromethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,1-Dichloroethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2-Dichloroethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,1-Dichloroethene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
cis-1,2-Dichloroethene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
trans-1,2-Dichloroethene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2-Dichloropropane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,3-Dichloropropane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
2,2-Dichloropropane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,1-Dichloropropene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
cis-1,3-Dichloropropene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
trans-1,3-Dichloropropene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Ethylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Hexachlorobutadiene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
2-Hexanone	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Iodomethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Isopropylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
4-Isopropyltoluene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Methyl methacrylate	ND	mg/kg	0.0059	0.0050	1	7/ 4/99	9:10	K.Hill	8260B	8816
4-Methyl-2-pentanone	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Methylene chloride	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Naphthalene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
n-Propylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Styrene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Tetrachloroethene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Toluene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544

COPY 1

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-A96312
Sample ID: 766-SS-10-6-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,3-Trichlorobenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2,4-Trichlorobenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,1,1-Trichloroethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,1,2-Trichloroethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Trichloroethene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2,3-Trichloropropane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,2,4-Trimethylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1,3,5-Trimethylbenzene	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Vinyl acetate	ND	mg/kg	0.0118	0.0100	1	7/ 4/99	11:58	S. Wani	8260B	8544
Vinyl chloride	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Xylenes	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Bromodichloromethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Trichlorofluoromethane	ND	mg/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Methyl-t-butyl ether	ND	mg/kg	0.0118	0.0050	1	7/ 4/99	11:58	S. Wani	8260B	8544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	95.	%			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PNA's	30.0 gm	1.0 ml	7/ 2/99	Fitzwater	3550
Volatile Organics	5.0 g	5.0 ml	6/30/99	S. Wani	5035

Surrogate	% Recovery	Target Range
Surr-1,2-Dichloroethane, d4	120.	48. - 160.
Surr-Toluene d8	99.	79. - 119.
Surr-4-Bromofluorobenzene	85.	69. - 135.
Surr-Dibromofluoromethane	103.	63. - 135.
Surr-Nitrobenzene-d5	54.	20. - 110.
Surr-2-Fluorobiphenyl	58.	13. - 110.
Surr-Terphenyl d14	97.	27. - 128.
Surr-Phenol d5	26.	10. - 111.
Surr-2-Fluorophenol	56.	10. - 107.
Surr-2,4,6-Tribromophenol	62.	14. - 110.

COPY 1

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-A96312
Sample ID: 766-SS-10-6-99

All samples have been corrected for org weight

Report Approved By: _____ Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

Appendix C
Laboratory Analytical Reports - Permanent Well Groundwater

CDM - AECOM
Multimedia Joint Venture

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 6995
MARK HARVISON
100 WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project:
Project Name: LAUREL BAY
Sampler: HUDSON SMITH

Lab Number: 99-A121633
Sample ID: 766-GP-1-8-99
Sample Type: Ground Water
Site ID:

Date Collected: 8/11/99
Time Collected: 14:00
Date Received: 8/12/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Acenaphthylene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Anthracene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Benzo(a)anthracene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Benzo(a)pyrene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Benzo(b)fluoranthene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Benzo(g,h,i)perylene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Benzo(k)fluoranthene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
4-Bromophenyl-phenylether	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Butylbenzylphthalate	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Carbazole	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
4-Chloro-3-methylphenol	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
4-Chloroaniline	ND	ug/l	100	10	10	8/15/99	9:34	M. Cobb	8270C	5569
bis(2-chloroethoxy)methane	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
bis(2-chloroethyl)ether	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
bis(2-chloroisopropyl)ether	ND	ug/l	100	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
2-Chloronaphthalene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
2-Chlorophenol	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
4-Chlorophenyl-phenylether	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Chrysene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Dibenzofuran	ND	ug/l	100.	10	10	8/15/99	9:34	M. Cobb	8270C	5569
Dibenz(a,h)anthracene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
1,2-Dichlorobenzene	ND	ug/l	100	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
1,3-Dichlorobenzene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
1,4-Dichlorobenzene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
3,3'-Dichlorobenzidine	ND	ug/l	100	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
2,4-Dichlorophenol	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Diethylphthalate	ND	ug/l	100.	10	10	8/15/99	9:34	M. Cobb	8270C	5569
2,4-Dimethylphenol	ND	ug/l	100	10	10	8/15/99	9:34	M. Cobb	8270C	5569
Dimethylphthalate	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
Di-n-butylphthalate	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
4,6-Dinitro-2-methylphenol	ND	ug/l	100	10	10	8/15/99	9:34	M. Cobb	8270C	5569
2,4-Dinitrophenol	ND	ug/l	100	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
2,4-Dinitrotoluene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
2,6-Dinitrotoluene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
[illegible]	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	5569
[illegible]	ND	ug/l	100	10	10	8/15/99	9:34	M. Cobb	8270C	5569

COPY 3

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-4121833
Sample ID: 766-SP-1-S-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Toluene	150	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Hexachlorobenzene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Hexachlorobutadiene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Hexachlorocyclopentadiene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Hexachloroethane	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Isophorone	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Naphthalene	105.	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
2-Nitroaniline	ND	ug/l	250.	25.	10	8/15/99	9:34	M. Cobb	8270C	3569
3-Nitroaniline	ND	ug/l	250.	25.	10	8/15/99	9:34	M. Cobb	8270C	3569
4-Nitroaniline	ND	ug/l	250.	25.	10	8/15/99	9:34	M. Cobb	8270C	3569
Nitrobenzene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
2-Nitrophenol	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
4-Nitrophenol	ND	ug/l	250.	25.	10	8/15/99	9:34	M. Cobb	8270C	3569
N-Nitroso-Di-n-Propylamine	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
N-Nitrosodiphenylamine	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Pentachlorophenol	ND	ug/l	250.	25.	10	8/15/99	9:34	M. Cobb	8270C	3569
Phenanthrene	100.	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Phenol	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Pyrene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
Bis(2-ethylhexyl)phthalate	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
1,2,4-Trichlorobenzene	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
2,4,5-Trichlorophenol	ND	ug/l	250.	25.	10	8/15/99	9:34	M. Cobb	8270C	3569
2,4,6-Trichlorophenol	ND	ug/l	100.	10.	10	8/15/99	9:34	M. Cobb	8270C	3569
VOLATILE ORGANICS										
Benzene	1360	ug/l	1000	10	100	8/19/99	17:39	K.Ward	8260B	4658
Carbon disulfide	ND	ug/l	50	10	5	8/17/99	12:04	K.Ward	8260B	4658
Chlorobenzene	ND	ug/l	50	10	5	8/17/99	12:04	K.Ward	8260B	4658
Ethylbenzene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Methylene chloride	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Toluene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Xylenes (total)	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Acetone	ND	ug/l	50	10	5	8/17/99	12:04	K.Ward	8260B	4658
Carbon tetrachloride	ND	ug/l	50	2	5	8/17/99	12:04	K.Ward	8260B	4658
Chloroform	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Ethyl ether	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Methyl ethyl ketone	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Methyl isobutyl ketone	ND	ug/l	50	10	5	8/17/99	12:04	K.Ward	8260B	4658
Tetrachloroethene	ND	ug/l	50	2	5	8/17/99	12:04	K.Ward	8260B	4658
Trichloroethene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Vinyl acetate	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Vinyl chloride	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Xylenes (total)	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
1,1,1-Trichloroethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
1,1,2-Trichloroethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
1,1-Dichloroethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
1,1-Dichloroethene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
1,2-Dichloroethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
1,2-Dichloropropane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
2-Hexanone	ND	ug/l	50	10	5	8/17/99	12:04	K.Ward	8260B	4658
Bromodichloromethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Bromoform	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Bromomethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Carbon tetrachloride	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Chlorobenzene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Chloroethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Chloroform	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Chloromethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
cis-1,2-Dichloroethene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
cis-1,3-Dichloropropene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Dibromochloromethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Ethylbenzene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Methylene chloride	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Styrene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Tetrachloroethene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Toluene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
trans-1,2-Dichloroethene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
trans-1,3-Dichloropropene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Trichloroethene	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Trichlorofluoromethane	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Vinyl acetate	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Vinyl chloride	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658
Xylenes (total)	ND	ug/l	10	2	5	8/17/99	12:04	K.Ward	8260B	4658

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-A121833
Sample ID: 756-GP-1-8-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
Chloromethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
2-Chlorotoluene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
4-Chlorotoluene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,2-Dibromo-3-chloropropane	ND	ug/l	50	10	5	3/17/99	12:04	R.Ward	8260B	4658
Dibromochloromethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,2-Dibromoethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
Dibromomethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
trans-1,4-Dichloro-2-butene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,2-Dichlorobenzene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,3-Dichlorobenzene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,4-Dichlorobenzene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
Dichlorodifluoromethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,1-Dichloroethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,2-Dichloroethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,1-Dichloroethene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
cis-1,2-Dichloroethene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
trans-1,2-Dichloroethene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,2-Dichloropropane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,3-Dichloropropane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
2,2-Dichloropropane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,1-Dichloropropene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
cis-1,3-Dichloropropene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
trans-1,3-Dichloropropene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
Ethylbenzene	11	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
Hexachlorobutadiene	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
2-Hexanone	ND	ug/l	50	10	5	3/17/99	12:04	R.Ward	8260B	4658
Iodomethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
Isopropylbenzene	12.5	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
4-Isopropyltoluene	16	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
Methyl methacrylate	ND	ug/l	25	5	5	3/17/99	12:04	R.Ward	8260B	6149
4-Methyl-2-pentanone	ND	ug/l	50	10	5	3/17/99	12:04	R.Ward	8260B	4658
Methylene chloride	ND	ug/l	25	5	5	3/17/99	12:04	R.Ward	8260B	4658
Naphthalene	31	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
n-Propylbenzene	57	ug/l	10	2	[illegible]	3/17/99	12:04	R.Ward	8260B	4658
Styrene	ND	ug/l	10	[illegible]	5	3/17/99	12:04	R.Ward	8260B	4658
1,1,1,2-Tetrachloroethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
1,1,2,2-Tetrachloroethane	ND	ug/l	[illegible]	[illegible]	[illegible]	3/17/99	12:04	R.Ward	8260B	4658
Tetrachloroethene	ND	ug/l	10	[illegible]	5	3/17/99	12:04	R.Ward	8260B	4658
Toluene	2.5	[illegible]	10	[illegible]	[illegible]	3/17/99	12:04	R.Ward	8260B	4658
1,2,3-Trichlorobenzene	ND	ug/l	10	2	[illegible]	3/17/99	12:04	R.Ward	8260B	4658
1,2,4-Trichlorobenzene	ND	ug/l	10	[illegible]	5	3/17/99	12:04	R.Ward	8260B	4658
[illegible]trichloroethane	ND	ug/l	10	2	5	3/17/99	12:04	R.Ward	8260B	4658
[illegible]chloroethene	ND	ug/l	[illegible]	[illegible]	[illegible]	3/17/99	12:04	R.Ward	8260B	4658
[illegible]	ND	ug/l	[illegible]	[illegible]	[illegible]	3/17/99	12:04	R.Ward	8260B	4658
[illegible]chloropropane	ND	ug/l	[illegible]	[illegible]	[illegible]	3/17/99	12:04	R.Ward	8260B	4658

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

ANALYTICAL REPORT

Laboratory Number: 99-A121933
Sample ID: 766-GP-1-8-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	[illegible]	ug/l	10	[illegible]	[illegible]	3/17/99	12:04	[illegible] Ward	8260B	4658
1,3,5-Trimethylbenzene	ND	ug/l	10	[illegible]	[illegible]	3/17/99	12:04	[illegible] Ward	8260B	4658
Vinyl acetate	ND	ug/l	10	10	[illegible]	3/17/99	12:04	[illegible] Ward	8260B	4658
Vinyl chloride	ND	ug/l	10	[illegible]	[illegible]	3/17/99	12:04	[illegible] Ward	8260B	4658
Xylenes	1	ug/l	10	[illegible]	5	3/17/99	12:04	[illegible] Ward	8260B	4658
Bromodichloromethane	ND	ug/l	[illegible]	[illegible]	5	3/17/99	12:04	[illegible] Ward	8260B	4658
Dichlorofluoromethane	ND	ug/l	[illegible]	[illegible]	[illegible]	3/17/99	12:04	[illegible] Ward	8260B	4658
Methyl-t-butyl ether	ND	ug/l	[illegible]			3/17/99	12:04	[illegible] Ward	8260B	4658

ND = Not Detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol.	Date	Analyst	Method
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Surrogate	% Recovery	Target Range
[illegible]	111.	80. - 138.
[illegible]	92.	80. - 123.
[illegible]	98.	73. - 122.
[illegible]	[illegible]8	74. - 132.

Report Approved By: [signature] Report Date: [illegible]

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A. Wages, Technical Services

Laboratory Certification Number: 327

COPY 3

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2960 Foster Creighton Dr
Nashville, TN 37204
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Fax: 615-726-0954

ANALYTICAL REPORT

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

Project: DO #0281
Project Name: LAUREL BAY 766
Sampler: JUDSON SMITH

Lab Number: 00-A114117
Sample ID: 766-GP-2R-8-00
Sample Type: Ground water
Site ID:

Date Collected: 8/12/00
Time Collected: 9:15
Date Received: 8/15/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Acenaphthylene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Anthracene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Benzo(a)anthracene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Benzo(a)pyrene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Benzo(b)fluoranthene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Benzo(g,h,i)perylene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Benzo(k)fluoranthene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
4-Bromophenyl-phenylether	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Butylbenzylphthalate	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Carbazole	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
4-Chloro-3-methylphenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
4-Chloroaniline	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Bis(2-chloroethoxy)methane	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Bis(2-chloroethyl)ether	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Bis(2-chloroisopropyl)ether	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2-Chloronaphthalene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2-Chlorophenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
4-Chlorophenyl-phenylether	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Chrysene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Dibenzofuran	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Dibenz(a,h)anthracene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
1,2-Dichlorobenzene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
1,3-Dichlorobenzene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
1,4-Dichlorobenzene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
3,3'-Dichlorobenzidine	ND	ug/l	20.0	20.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2,4-Dichlorophenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Diethylphthalate	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2,4-Dimethylphenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Dimethylphthalate	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Di-n-Butylphthalate	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
4,6-Dinitro-2-methylphenol	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2,4-Dinitrophenol	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954

Sample report continued . . .

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Nashville, TN 37204
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ANALYTICAL REPORT

Laboratory Number: 00-A114117
Sample ID: 766-GP-2R-8-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2,4-dinitrotoluene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2,6-Dinitrotoluene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Di-n-octylphthalate	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Fluoranthene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Fluorene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Hexachlorobenzene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Hexachlorobutadiene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Hexachlorocyclopentadiene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Hexachloroethane	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Isophorone	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2-Methylnaphthalene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2-Methylphenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
3 and 4-Methylphenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Naphthalene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2-Nitroaniline	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
3-Nitroaniline	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
4-Nitroaniline	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Nitrobenzene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2-Nitrophenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
4-Nitrophenol	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
N-Nitrosodiphenylamine	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Pentachlorophenol	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Phenanthrene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Phenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Pyrene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
1,2,4-Trichlorobenzene	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2,4,5-Trichlorophenol	ND	ug/l	25.0	25.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
2,4,6-Trichlorophenol	ND	ug/l	10.0	10.0	1	8/24/00	5:42	J.Fuqua	8270C	2954
VOLATILE ORGANICS										
Acetone	ND	ug/l	50.0	10.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Acrolein	ND	ug/l	10.0	10.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Acrylonitrile	ND	ug/l	10.0	10.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Benzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Bromobenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Bromochloromethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Bromoform	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Bromomethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
2-Butanone	ND	ug/l	50.0	10.0	1	8/20/00	13:11	M. Hurt	8260B	6751

Sample report continued . . .

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Nashville, TN 37204
615-726-0177
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ANALYTICAL REPORT

Laboratory Number: 00-A114117
Sample ID: 766-GP-2R-8-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
n-Butylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
sec-Butylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
t-Butylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Carbon disulfide	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Carbon tetrachloride	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Chlorobenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Chloroethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
2-Chloroethylvinylether	ND	ug/l	5.0	5.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Chloroform	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Chloromethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
2-Chlorotoluene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
4-Chlorotoluene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	10.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Dibromochloromethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,2-Dibromoethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Dibromomethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
t-1,4-Dichloro-2-butene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,2-Dichlorobenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,3-Dichlorobenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,4-Dichlorobenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Dichlorodifluoromethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,1-Dichloroethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,2-Dichloroethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,1-Dichloroethene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
cis-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
trans-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,2-Dichloropropane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,3-Dichloropropane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
2,2-Dichloropropane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,1-Dichloropropene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
cis-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
trans-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Ethylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Hexachlorobutadiene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
2-Hexanone	ND	ug/l	10.0	10.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Iodomethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Isopropylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
4-Isopropyltoluene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Methyl methacrylate	ND	ug/l	5.0	5.0	1	8/20/00	13:11	N. Hurt	8260B	6751
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Methylene chloride	ND	ug/l	5.0	5.0	1	8/20/00	13:11	N. Hurt	8260B	6751
Naphthalene	ND	ug/l	5.0	5.0	1	8/20/00	13:11	N. Hurt	8260B	6751

Sample report continued . . .

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615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A114117
Sample ID: 766-GP-2R-8-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
n-Propylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Styrene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Tetrachloroethene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Toluene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,2,3-Trichlorobenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,2,4-Trichlorobenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,1,1-Trichloroethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,1,2-Trichloroethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Trichloroethene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,2,3-Trichloropropane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,2,4-Trimethylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
1,3,5-Trimethylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Vinyl acetate	ND	ug/l	10.0	10.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Vinyl chloride	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Xylenes, Total	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Bromodichloromethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Trichlorofluoromethane	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Methyl-t-butyl ether	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
MISCELLANEOUS CHEMISTRY										
Sulfate	8.20	mg/l	1.00	1.00	1	8/17/00	10:22	S. Overton	9038	8027
Total Organic Carbon	8.93	mg/l	1.00	1.00	1	8/16/00	11:17	P.Rudd	415.1	7493

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
DRO's	980. ml	1.0 ml	8/16/00	D.Yeager	3510

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCA, d4	126.	71. - 136.
VOA Surr, Toluene d8	94.	69. - 129.

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A114117
Sample ID: 766-GP-2R-8-00

Surrogate	% Recovery	Target Range
VOA Surr, 4-BFB	117.	65. - 122.
VOA Surr, DBFM	95.	61. - 139.
surr-Nitrobenzene-d5	59.	16. - 120.
surr-2-Fluorobiphenyl	57.	10. - 136.
surr-Terphenyl d14	20.	10. - 119.
surr-Phenol d5	18.	10. - 69.
surr-2-Fluorophenol	28.	10. - 148.
surr-2,4,6-Tribromophenol	78.	11. - 144.

Report Approved By: Claire A Key Report Date: 8/24/00

End of Sample Report.

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

[illegible] DISTRICT [illegible]
[illegible]
[illegible] AVE
SAVANNAH GA 31402

Project:
Project Name: LAUREL BAY
Sampler: JUDSON SMITH

Lab Number: 99-A121605
Sample ID: 766-GP-3-8-99
Sample Type: Ground water
Site ID:

Date Collected: 8/11/99
Time Collected: 10:25
Date Received: 8/12/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Acenaphthylene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Anthracene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Benzo(a)anthracene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Benzo(a)pyrene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Butylbenzylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Carbazole	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
4-Chloroaniline	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2-Chloronaphthalene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2-Chlorophenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Chrysene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Dibenzofuran	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	8/14/99	23:21	M. Cobb	8270C	5569
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Diethylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Dimethylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Di-n-butylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
2,4-Dinitrotoluene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Di-n-octylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
[illegible]	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569

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-A1E1835
Sample ID: 766-GP-3-8-99

Analyte	Result	Units	Report Limit	Dwn Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Fluorene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Hexachlorobenzene	ND	ug/l	10	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Hexachlorobutadiene	ND	ug/l	10.	10	1	8/14/99	23:21	M. Cobb	8270C	5569
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Hexachloroethane	ND	ug/l	10	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Isophorone	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2-Methylnaphthalene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2-Methylphenol	ND	ug/l	10	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Naphthalene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
3-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
4-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
Nitrobenzene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2-Nitrophenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
4-Nitrophenol	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Pentachlorophenol	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
Phenanthrene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Phenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Pyrene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	8/14/99	23:21	M. Cobb	8270C	5569
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	8/14/99	23:21	M. Cobb	8270C	5569
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	8/13/99	18:52	R. Ward	8260B	4658
Acrolein	ND	ug/l	10	10	1	8/13/99	18:52	R. Ward	8260B	4658
Acrylonitrile	ND	ug/l	10	10	1	8/13/99	18:52	R. Ward	8260B	4658
Benzene	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Bromobenzene	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Bromochloromethane	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Bromoform	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Bromomethane	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
2-Butanone	ND	ug/l	10	10	1	8/13/99	18:52	R. Ward	8260B	4658
n-Butylbenzene	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
sec-Butylbenzene	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
tert-Butylbenzene	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Carbon disulfide	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Carbon tetrachloride	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Chlorobenzene	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658
Chloroethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	8260B	4658
2-Chloroethylvinylether	ND	ug/l	1	1	1	8/13/99	18:52	R. Ward	8260B	4658

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-A121835
Sample ID: 766-GP-3-8-99

Analyte	Result	Units	Report Limit	Mdas Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Bromoform	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Bromomethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
2-Chloroethylvinyl ether	ND	ug/l	10	10	1	8/13/99	18:52	R. Ward	82600	4658
Chloroform	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Chloromethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Dibromochloromethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,2-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,3-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,4-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Dichlorodifluoromethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,1-Dichloroethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,2-Dichloroethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,1-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,3-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
2,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,1-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Ethylbenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Hexachlorobutadiene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
2-Hexanone	ND	ug/l	10	10	1	8/13/99	18:52	R. Ward	82600	4658
Isopropylbenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
p-Isopropyltoluene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Methyl methacrylate	ND	ug/l	5	5	1	8/13/99	18:52	R. Ward	82600	4658
4-Methyl-2-pentanone	ND	ug/l	10	10	1	8/13/99	18:52	R. Ward	82600	4658
Methylene chloride	ND	ug/l	5	5	1	8/13/99	18:52	R. Ward	82600	4658
Naphthalene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
n-Propylbenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Styrene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Tetrachloroethene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Toluene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,1,1-Trichloroethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,1,2-Trichloroethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Trichloroethene	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Trichlorofluoromethane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
1,2,3-Trichloropropane	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Vinyl acetate	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Vinyl chloride	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658
Xylenes, Total	ND	ug/l	2	2	1	8/13/99	18:52	R. Ward	82600	4658

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-A121835
Sample ID: 766-[illegible]

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	1.3	ug/l		[illegible]	1	8/13/99	13:52	J. Ward	8260B	4658
1,3,5-Trimethylbenzene	ND	ug/l		2	1	8/13/99	13:52	J. Ward	8260B	4658
Vinyl acetate	ND	ug/l	10	50	1	8/13/99	13:52	J. Ward	8260B	4658
Vinyl chloride	ND	ug/l		2	1	8/13/99	13:52	J. Ward	8260B	4658
Xylenes	ND	ug/l		[illegible]	1	8/13/99	13:52	J. Ward	8260B	4658
Bromodichloromethane	ND	ug/l		[illegible]	1	8/13/99	13:52	J. Ward	8260B	4658
Trichlorofluoromethane	ND	ug/l		[illegible]	1	8/13/99	13:52	J. Ward	8260B	4658
Methyl-t-butyl ether	ND	ug/l		[illegible]	1	8/13/99	13:52	J. Ward	8260B	4658

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	750. ml	1.0 ml	[illegible]	[illegible]	3510

Surrogate	% Recovery	Target Range
OA Surr, 1,2-DCB-d4	107.	80. - 128.
OA Surr, Toluene d8	92.	88. - 123.
OA Surr, 4-BFB	86.	73. - 122.
OA Surr, DBFM	[illegible]	74. - 133.
Surr-Nitrobenzene-d5	[illegible]	15. - 105.
Surr-2-Fluorobiphenyl	[illegible]	17. - 110
Surr-Terphenyl d14	[illegible]	13. - 118.
Surr-Phenol d5	47.	10. - 100.
Surr-2-Fluorophenol	[illegible]	[illegible] - 100.
Surr-2,4,6-Tribromophenol	[illegible]	15. - 124.

Approved By [signature] Report Date [illegible]

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A. Lage, Technical Services

Laboratory Certification Number 387

COPY 3

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

[illegible]
[illegible] ARMISON
[illegible] WEST OGLETHORPE AVE
SAVANNAH, GA 31402

[illegible]
Project Name: LAUREL BAY
Sampler: JUDSON SMITH

Lab Number: 99-A121836
Sample ID: 766-GP-4-8-99
Sample Type: Ground Water
Site ID:

Date Collected: 8/11/99
Time Collected: 11:00
Date Received: 8/12/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Date	Time	Analyst	Method	Batch
[illegible] ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Acenaphthylene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Anthracene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Benzo(a)anthracene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Benzo(a)pyrene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Butylbenzylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Carbazole	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
4-Chloroaniline	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2-Chloronaphthalene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2-Chlorophenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Chrysene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Dibenzofuran	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	8/14/99	23:58	M. Cobb	8270C	5569
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Diethylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Dimethylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Di-n-butylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
2,4-Dinitrotoluene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Di-n-octylphthalate	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Diphenylamine	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569

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-A121836
Sample ID: 766-SP-4-8-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Fluorene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Hexachlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Hexachlorobutadiene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Hexachloroethane	ND	ug/l	10	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Indeno(1,2,3-cd)pyrene	ND	ug/l	10	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Isophorone	ND	ug/l	10.	10	1	8/14/99	23:58	M. Cobb	8270C	5569
2-Methylnaphthalene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2-Methylphenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Naphthalene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
3-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
4-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
Nitrobenzene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2-Nitrophenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
4-Nitrophenol	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Pentachlorophenol	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
Phenanthrene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Phenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Pyrene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	8/14/99	23:58	M. Cobb	8270C	5569
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	8/14/99	23:58	M. Cobb	8270C	5569
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	8/13/99	19:28	M.Ward	8260B	4658
Acrolein	ND	ug/l	10	10	1	8/13/99	19:28	M.Ward	8260B	4658
Acrylonitrile	ND	ug/l	10	10	1	8/13/99	19:28	M.Ward	8260B	4658
Benzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Bromobenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Bromochloromethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Bromodichloromethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Bromoform	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Bromomethane	ND	ug/l	10	10	1	8/13/99	19:28	M.Ward	8260B	4658
n-Butylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
sec-Butylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
tert-Butylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Carbon disulfide	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Carbon tetrachloride	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Chlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Chloroethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
2-Chloroethylvinyl ether	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Chloroform	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Chloromethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
2-Chlorotoluene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
4-Chlorotoluene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Dibromochloromethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	8/13/99	19:28	M.Ward	8260B	4658
1,2-Dibromoethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Dibromomethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,2-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,3-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,4-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Dichlorodifluoromethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,1-Dichloroethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,2-Dichloroethane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,1-Dichloroethene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,3-Dichloropropane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
2,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
1,1-Dichloropropene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658
Diethyl ether	ND	ug/l	2	2	1	8/13/99	19:28	M.Ward	8260B	4658

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: [illegible]-4121836
Sample ID: 766-GP-4-8-99

Analyte	Result	Units	Report Limit	Mean Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Chloromethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Chlorotoluene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
4-Chlorotoluene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	8/13/99	19:28	R.Ward	8260B	4658
Dibromochloromethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2-Dibromoethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Dibromomethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,3-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,4-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Dichlorodifluoromethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,1-Dichloroethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2-Dichloroethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,1-Dichloroethene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,3-Dichloropropane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
2,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,1-Dichloropropene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Ethylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Hexachlorobutadiene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
2-Hexanone	ND	ug/l	10	10	1	8/13/99	19:28	R.Ward	8260B	4658
Iodomethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Isopropylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
4-Isopropyltoluene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Methyl methacrylate	ND	ug/l	5	5	1	8/13/99	19:28	R.Ward	8260B	6149
4-Methyl-2-pentanone	ND	ug/l	10	10	1	8/13/99	19:28	R.Ward	8260B	4658
Methylene chloride	ND	ug/l	5	5	1	8/13/99	19:28	R.Ward	8260B	4658
Naphthalene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
n-Propylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Styrene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Tetrachloroethene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Toluene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,1,1-Trichloroethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,1,2-Trichloroethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Trichloroethene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Trichlorofluoromethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,2,3-Trichloropropane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Vinyl acetate	ND	ug/l	10	10	1	8/13/99	19:28	R.Ward	8260B	4658
Vinyl chloride	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Xylenes, total	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658

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-A121836
Sample ID: 766-GP-4-8-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Vinyl acetate	ND	ug/l	25	10	1	8/13/99	19:28	R.Ward	8260B	4658
Vinyl chloride	ND	ug/l	2	2	[illegible]	8/13/99	19:28	R.Ward	8260B	4658
Xylenes	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
Bromodichloromethane	ND	ug/l	2	2	[illegible]	8/13/99	19:28	R.Ward	8260B	4658
Trichlorofluoromethane	ND	ug/l	2	2	1	8/13/99	19:28	R.Ward	8260B	4658
2-Chloroethyl vinyl ether	ND	ug/l	25	2	[illegible]	8/13/99	19:28	R.Ward	8260B	4658

ND = Not Detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	1000 ml	1.0 ml	8/12/99	[illegible] Cobb	3510

Surrogate	% Recovery	Target Range
524 Surr, 1,2-DCA, d4	107.	80. - 120.
524 Surr, Toluene d8	97.	88. - 110.
524 Surr, 4-BFB	92.	78. - 122.
524 Surr, DBFM	94.	86. - 118.
Surr-Nitrobenzene-d5	65.	35. - 115.
Surr-2-Fluorobiphenyl	73.	43. - 116.
Surr-Terphenyl d14	87.	33. - 141.
Surr-Phenol d5	22.	10. - 110.
Surr-2-Fluorophenol	33.	21. - 110.
Surr-2,4,6-Tribromophenol	72.	10. - 123.

Report Approved By: [signature]   Report Date: 8/17/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
[illegible], Technical Services

Laboratory Certification Number: 387

COPY 3

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 4???
[illegible] ADDISON
[illegible] WEST OGLETHORPE AVE
SAVANNAH, GA 31402

Project
Project Name: LAUREL BAY
Sampler: JUDSON SMITH

Lab Number: 99-A121603
Sample ID: 756-GP-5-8-99
Sample Type: Ground Water
Site ID:

Date Collected: 8/11/99
Time Collected: 9:30
Date Received: 8/12/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
SEMIVOLATILE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Acenaphthylene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Anthracene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Benzo(a)anthracene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Benzo(a)pyrene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Butylbenzylphthalate	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Carbazole	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
4-Chloroaniline	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2-Chloronaphthalene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2-Chlorophenol	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Chrysene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Dibenzofuran	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
1,2-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
1,3-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
1,4-Dichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	8/14/99	22:45	M. Cobb	8270C	5569
2,4-Dichlorophenol	ND	ug/l	10.	10.		8/14/99	22:45	M. Cobb	8270C	5569
Diethylphthalate	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Dimethylphthalate	ND	ug/l	10.	10.		8/14/99	22:45	M. Cobb	8270C	5569
Di-n-butylphthalate	ND	ug/l	10.	10.		8/14/99	22:45	M. Cobb	8270C	5569
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
[illegible]	ND	ug/l	10.	10.		8/14/99	22:45	M. Cobb	8270C	5569
[illegible]trotoluene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
[illegible]phthalate	ND	ug/l	10.	10.		8/14/99	22:45	M. Cobb	8270C	5569
[illegible]	ND	ug/l	10.	10.		8/14/99	22:45	M. Cobb	8270C	5569

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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-A121834
Sample ID: 756-GP-9-8-99

Analyte	Result	Units	Report Limit	Spike Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Fluorene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Hexachlorobenzene	ND	ug/l	10	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Hexachlorocyclopentadiene	ND	ug/l	10	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Hexachloroethane	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Isophorone	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2-Methylnaphthalene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2-Methylphenol	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Naphthalene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
3-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
4-Nitroaniline	ND	ug/l	25.	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
Nitrobenzene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2-Nitrophenol	ND	ug/l	10	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
4-Nitrophenol	ND	ug/l	25	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
N-Nitroso-di-n-Propylamine	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Pentachlorophenol	ND	ug/l	25.	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
Phenanthrene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Phenol	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
Pyrene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
bis(2-ethylhexyl)phthalate	15.	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
1,2,3-Trichlorobenzene	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	8/14/99	22:45	M. Cobb	8270C	5569
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	8/14/99	22:45	M. Cobb	8270C	5569
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	8/13/99	18:16	R. Ward	8260B	4658
Acrolein	ND	ug/l	10	10	1	8/13/99	18:16	R. Ward	8260B	4658
Acrylonitrile	ND	ug/l	10	10	1	8/13/99	18:16	R. Ward	8260B	4658
Benzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Bromobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Bromochloromethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Bromodichloromethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Bromoform	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Bromomethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
2-Butanone	ND	ug/l	10	10	1	8/13/99	18:16	R. Ward	8260B	4658
n-Butylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
sec-Butylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
tert-Butylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Carbon disulfide	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Carbon tetrachloride	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Chlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Chloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Chloroform	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Chloromethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
2-Chlorotoluene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
4-Chlorotoluene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Dibromochloromethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2-Dibromo-3-chloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2-Dibromoethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Dibromomethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,3-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,4-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Dichlorodifluoromethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,1-Dichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2-Dichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,1-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,3-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
2,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,1-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Ethylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Hexachlorobutadiene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
2-Hexanone	ND	ug/l	10	10	1	8/13/99	18:16	R. Ward	8260B	4658
Isopropylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
p-Isopropyltoluene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Methylene chloride	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
4-Methyl-2-pentanone	ND	ug/l	10	10	1	8/13/99	18:16	R. Ward	8260B	4658
Naphthalene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
n-Propylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Styrene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Tetrachloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Toluene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,1,1-Trichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,1,2-Trichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Trichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Trichlorofluoromethane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2,3-Trichloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,2,4-Trimethylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
1,3,5-Trimethylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Vinyl acetate	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Vinyl chloride	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658
Xylenes, Total	ND	ug/l	2	2	1	8/13/99	18:16	R. Ward	8260B	4658

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: [illegible]-4121834
Sample ID: 766-GP-5-R-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Chloromethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
2-Chlorotoluene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
4-Chlorotoluene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	8/13/99	18:16	R.Ward	8260B	4658
Dibromochloromethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,2-Dibromoethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Dibromomethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,2-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,3-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,4-Dichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Dichlorodifluoromethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,1-Dichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,2-Dichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,1-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,3-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
2,2-Dichloropropane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,1-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Ethylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Hexachlorobutadiene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
2-Hexanone	ND	ug/l	10	10	1	8/13/99	18:16	R.Ward	8260B	4658
Iodomethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Isopropylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
4-Isopropyltoluene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Methyl methacrylate	ND	ug/l	5	5	1	8/13/99	18:16	R.Ward	8260B	6149
4-Methyl-2-pentanone	ND	ug/l	10	10	1	8/13/99	18:16	R.Ward	8260B	4658
Methylene chloride	ND	ug/l	5	5	1	8/13/99	18:16	R.Ward	8260B	4658
Naphthalene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
n-Propylbenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Styrene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Tetrachloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Toluene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,2,3-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,2,4-Trichlorobenzene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,1,1-Trichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
1,1,2-Trichloroethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Trichloroethene	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658
Trichlorofluoromethane	ND	ug/l	2	2	1	8/13/99	18:16	R.Ward	8260B	4658

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-A121834
Sample ID: 766-CP-5-8-99

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	ND	ug/l	[illegible]	2	1	9/13/99	18:16	R.Ward	8260B	4658
1,3,5-Trimethylbenzene	ND	ug/l	[illegible]	2	1	9/13/99	18:16	R.Ward	8260B	4658
Vinyl acetate	ND	ug/l	10	10	1	9/13/99	18:16	R.Ward	8260B	4658
Vinyl chloride	ND	ug/l	[illegible]	2	1	9/13/99	18:16	R.Ward	8260B	4658
Xylenes	ND	ug/l	[illegible]	2	1	9/13/99	18:16	R.Ward	8260B	4658
Bromochloromethane	ND	ug/l	[illegible]	2	1	9/13/99	18:16	R.Ward	8260B	4658
Dichlorodifluoromethane	ND	ug/l	[illegible]	2	1	9/13/99	18:16	R.Ward	8260B	4658
Methyl-t-butyl ether	ND	ug/l	[illegible]	2	1	9/13/99	18:16	R.Ward	8260B	4658

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
[illegible]	980. ml	1.0 ml	9/13/99	R. Cobb	3510

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA, d4	109	[illegible] - 138.
VOA Surr Toluene d8	92.	88. - 123.
VOA Surr, 4-BFB	96.	73. - 122.
VOA Surr DBFM	[illegible]	[illegible] - 132.
Surr-Nitrobenzene-d5	[illegible]	35. - 105.
Surr-2-Fluorobiphenyl	79.	37. - 110
Surr-Terphenyl d14	76.	10. - 116.
Surr-Phenol d5	25.	10. - 100.
Surr-2-Fluorophenol	[illegible]	[illegible] - 100.
Surr-2,4,6-Tribromophenol	72.	15. - 134.

Report Approved By: [signature] Report Date 9/17/99

[illegible], Lab Director
Michael [illegible], M.S., Technical Director
[illegible] Mitchell, Dir. Technical Services
[illegible] Smith, Assistant Technical Director
[illegible], Technical Services

Laboratory Certification Number: [illegible]

COPY 3

Appendix D
Historical Groundwater Analytical Results

CDM - AECOM
Multimedia Joint Venture

TABLE 2
766 ALTHEA STREET UST
SUMMARY OF CONSTITUENTS DETECTED IN GROUND-WATER
AUGUST 1999

SAMPLE ID		766-GP-1-8-99	766-GP-3-8-99	766-GP-4-8-99	766-GP-5-8-99	766-DUP1-8-99*	766-BLK1-8-99
SAMPLE DATE		8/11/99	8/11/99	8/11/99	8/11/99	8/11/99	8/11/99
SAMPLE DEPTH		3.28'	4.32'	4.68'	2.96'	2.96'	NA
MATRIX		WATER	WATER	WATER	WATER	WATER	WATER
WELL PURPOSE		PLUME	COMPLIANCE	COMPLIANCE	COMPLIANCE	COMPLIANCE	QA
VOLATILE ORGANICS (8260)				BELOW RL	BELOW RL	BELOW RL	BELOW RL
2-BUTANONE		126.0 ug/l					
ETHYLBENZENE	700 ug/l	88.0 ug/l					
XYLENES (TOTAL)	10,000 ug/l	18.0 ug/l					
ACETONE		2960 ug/l					
N-PROPYLBENZENE		32.0 ug/l	4.6 ug/l				
TOLUENE		10.5 ug/l					
1,2,4-TRIMETHYLBENZENE		91.0 ug/l	2.5 ug/l				
NAPHTHALENE	25 ug/l	**61.0 ug/l**	2.2 ug/l				
SEC-BUTYLBENZENE		20.0 ug/l	2.2 ug/l				
ISOPROPYLBENZENE		12.5 ug/l					
SEMI-VOLATILE ORGANICS (8270)			BELOW RL	BELOW RL			BELOW RL
FLUORENE		150 ug/l					
2-METHYLNAPHTHALENE		710 ug/l					
PHENANTHRENE		400 ug/l					
NAPHTHALENE	25 ug/l	**100.0 ug/l**					
BIS(2-ETHYLHEXYL) PHTHALATE					*15.0 ug/l*	*10.0 ug/l*	

* DUPLICATE SAMPLE

ITALICIZED VALUES ARE SUSPECTED LABORATORY CONTAMINANTS

TABLE 1

MCAS BEAUFORT
LAUREL BAY
BUILDING 766
AUGUST 2000

Sample Number	Sample Collection Date and Time	EPA 8270C SVOCs	EPA 8260B VOCs	EPA 9038 Sulfate	EPA 415.1 Total Organic Carbon
766-GP-2R-8-00	12 Aug 00 0915	U	U	8.20 mg/L Sulfate	8.93 mg/L TOC
766-GP-1-8-00	12 Aug 00 1000	4000 µg/L 2-Methylnaphthalene	2.1 µg/L Benzene	244 mg/L Sulfate	322 mg/L TOC
		1800 µg/L Phenanthrene	9.9 µg/L Ethylbenzene		
			5.9 µg/L Isopropylbenzene		
			7.7 µg/L p-Isopropyltoluene		
			71.0 µg/L Naphthalene		
			9.5 µg/L n-Propylbenzene		
			70.6 µg/L 1,2,4-Trimethylbenzene		
			18.9 µg/L 1,3,5-Trimethylbenzene		
			49.1 µg/L Xylenes		
766-GP-5-8-00	12 Aug 00 1030	U	U	7.60 mg/L Sulfate	9.82 mg/L TOC
766-GP-3-8-00	12 Aug 00 1230	U	U	7.00 mg/L Sulfate	10.9 mg/L TOC
766-GP-4-8-00	12 Aug 00 1315	U	U	10.4 mg/L Sulfate	3.93 mg/L TOC
766-GP-DUP1-8-00	12 Aug 00 0750	U	U	13.8 mg/L Sulfate	10.6 mg/L TOC
766-BLK1-8-00	12 Aug 00 1330	U	U	2.70 mg/L Sulfate	U
Trip Blank		NT	U	NT	NT
Method Blank		U	U	U	U

KEY:
TOC = Total Organic Carbon
U = Target analytes were not detected above the analytical reporting limits.
NT = Sample was not tested by this analytical method.

TABLE 1

MCAS BEAUFORT
LAUREL BAY
BUILDING 766
APRIL 2001

Sample Number	Sample Collection Date and Time	EPA 405.1 BOD	EPA 8270C SVOCs	EPA 8260B VOCs	EPA 410.4 COD	EPA 353.2 Nitrate	EPA 375.4 Sulfate
766-GP-2R-4-01	24 Apr 01 1030	U	U	U	U	U	7.60 mg/L Sulfate
766-GP-1-4-01	24 Apr 01 1130	NT	300 µg/L 2-Methylnaphthalene	2.2 µg/L Benzene	NT	NT	NT
			188 µg/L Phenathrene	5.7 µg/L sec-Butylbenzene			
				5.5 µg/L Ethylbenzene			
				5.0 µg/L Isopropylbenzene			
				5.3 µg/L p-Isopropyltoluene			
				30.3 µg/L Naphthalene			
				5.3 µg/L n-Propylbenzene			
				21.0 µg/L 1,2,4-Trimethylbenzene			
				9.1 µg/L 1,3,5-Trimethylbenzene			
				19.1 µg/L Xylenes			
766-GP-4-4-01	24 Apr 01 1355	NT	U	U	NT	NT	NT
766-GP-5-4-01	24 Apr 01 1430	NT	U	U	NT	NT	NT
766-GP-3-4-01	24 Apr 01 1500	5.79 mg/L BOD	U	2.8 µg/L n-Butylbenzene	24.7 mg/L COD	U	13.9 mg/L Sulfate
				3.8 µg/L sec-Butylbenzene			
				5.2 µg/L Naphthalene			
				3.6 µg/L 1,2,4-Trimethylbenzene			
766-GP-DUP-4-01	24 Apr 01 1530	NT	U	3.8 µg/L sec-Butylbenzene	NT	NT	NT
Duplicate to 766-GP-3-4-01				2.7 µg/L Ethylbenzene			
				4.0 µg/L Isopropylbenzene			
				5.1 µg/L Naphthalene			
				3.6 µg/L 1,2,4-Trimethylbenzene			
Trip Blank		NT	NT	U	NT	NT	NT
Method Blank		U	U	U	U	U	U

KEY:
BOD = Biochemical Oxygen Demand
COD = Chemical Oxygen Demand
U = Target analytes were not detected above the analytical reporting limits.
NT = Sample was not tested by this analytical method.

Table 2
766 Althea Street, Laurel Bay
Summary of Constituents Detected in Ground-Water Samples
November 2001

SAMPLE ID:		766-GP-1-11-01	766-GP-2R-11-01	766-GP-3-11-01*	766-GP-DUP1-11-01*	766-GP-4-11-01	766-GP-5-11-01	766-GP-BLK1-11-01	METHOD BLK
SAMPLE DATE:		11/9/01	11/9/01	11/9/01	11/9/01	11/9/01	11/9/01	11/9/01	11/10/01
MATRIX:		AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS
RESULT UNITS:	SC RBSL	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
VOLATILE ORGANICS (8260B)			<RL			<RL	<RL		<RL
Acetone		88						5.5	
Carbon disulfide					1.8				
Ethylbenzene	700µg/L	5.2							
1,2,4-Trimethylbenzene		31							
1,3,5-Trimethylbenzene		14							
Naphthalene	25 µg/L	23		1.9					
n-Propylbenzene		8.8							
p-Isopropyltoluene		9.3							
sec-Butylbenzene				1.6	1.5				
tert-Butylbenzene		16							
Xylenes	10,000 µg/L	21							
SEMI-VOLATILE ORGANICS (8270C)			<RL			<RL		<RL	<RL
1-Methylnaphthalene	25 µg/L	**180**		3.9	4.4		14		
2-Methylnaphthalene	25 µg/L	**250**			2.0		20		
Acenaphthene		13					2.0		
Anthracene		19							
Flouranthene		9.7							
Flourene		57					3.6		
Naphthalene	25 µg/L	**63**					3.9		
Phenanthrene		89					8.2		
Pyrene		10							
Total PAHs	25 µg/L	**493**							
RESULT UNITS:		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
BOD (E405.1)		>350	<RL	<RL	<RL	<RL	<RL	<RL	<RL
COD (E410.1)		76	14	26	24	11	34	<RL	<RL
NITRATE NITROGEN (353.3)		<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
SULFATE (E375.4)		100	10	8	8	20	10	<RL	<RL
DISSOLVED OXYGEN (FIELD)		0.30	0.77	0.87	0.87	0.52	2.63	N/A	N/A
FERROUS IRON (FIELD)		12.5	0.77	0.19	0.19	0.48	<RL	N/A	N/A
TURBIDITY (FIELD)		147 NTU	5.0 NTU	3.48 NTU	3.48 NTU	3.13 NTU	6.63 NTU	N/A	N/A
REDOX (FIELD)		-42 mv	56 mv	16 mv	16 mv	25 mv	-46 mv	N/A	N/A

Bold = Indicates results are above SCDHEC RBSL's for petroleum release sites
* = Duplicate samples
<RL = Below laboratory reporting limit
N/A = Parameter was not measured

Table 3
766 Althea Street, Laurel Bay
Summary of Constituents Detected in Ground-Water Samples
June 2002

SAMPLE ID:		766-GP-1-6-02	766-GP-2R-06-02	766-GP-3-06-02	766-GP-4-06-02	766-GP-5-06-02	766-GP-DUP1-06-02*	766-GP-BLK1-06-02	METHOD BLK
SAMPLE DATE:		06/20/02	06/20/02	06/20/02	06/20/02	06/20/02	06/20/02	06/20/02	06/20/02
MATRIX:		AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS	AQUEOUS
RESULT UNITS:	SC RBSL	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
VOLATILE ORGANICS (8260B)			<RL		<RL	<RL	<RL		<RL
1,2,4-Trimethylbenzene		36							
1,3,5-Trimethylbenzene		8.9							
Acetone		110							
Benzene	5.0 µg/L	**5.5**							
Ethylbenzene	700µg/L	6.0							
Isopropylbenzene		4.7							
Naphthalene	25 µg/L	**46**							
n-Butylbenzene		9.6							
n-Propylbenzene		5.4							
p-Isopropyltoluene		4.2							
sec-Butylbenzene		6.9		1.4					
Toluene	1,000 µg/L							2.3	
Xylenes	10,000 µg/L	27							
SEMI-VOLATILE ORGANICS 8270C)		N/A	<RL	<RL	<RL	<RL	<RL	<RL	<RL
RESULT UNITS:		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
BOD (E405.1)		N/A	<RL	<RL	<RL	<RL	<RL	<RL	<RL
COD (E410.1)		N/A	7.8	10.6	<RL	12.2	17.8	<RL	<RL
NITRATE NITROGEN (353.2)		N/A	<RL	<RL	<RL	<RL	<RL	<RL	N/A
SULFATE (E375.4)		N/A	8.2	7.5	7.7	4.3	4.9	<RL	<RL
DISSOLVED OXYGEN (FIELD)		5.97	1.70	0.83	4.88	5.94	5.94	N/A	N/A
FERROUS IRON (FIELD)		1.00	0.64	<DL	0.26	0.79	0.79	N/A	N/A
TURBIDITY (FIELD)		>1000 NTU	4.42 NTU	0.63 NTU	9.49 NTU	3.92 NTU	3.92 NTU	N/A	N/A
REDOX (FIELD)		130 mv	184 mv	108 mv	295 mv	157 mv	157 mv	N/A	N/A

Bold = Indicates results are above SCDHEC RBSL's for petroleum release sites
* = Duplicate samples
<RL = Below laboratory reporting limit
N/A = Parameter was not measured

Table 1: Well Details and Ground-Water Measurements

Well	Northing	Easting	Screened Int. (bgs)	Elev. TOC	Depth to Water	Ground-Water Elev.
GP-1R	230362	2063349	0.9-9.9	26.56	3.50	23.06
GP-2R	230340	2063426	4.0-8.4	27.22	3.46	23.76
GP-3	230433	2063217	3.0-7.5	25.17	3.70	21.47
GP-4	230488	2063276	3.0-7.5	25.38	4.00	21.38
GP-5	230280	2063339	3.0-7.5	27.16	2.75	24.41

Table 2: Ground-Water Analytical Results from June 2003

	EPA Method 8260											EPA Method 8270				Anions			
	1,2,4-TMB	1,3,5-TMB	4-Isopropyltoluene	Benzene	Ethylbenzene	Isopropylbenzene	m-Xylene and p-Xylene	Naphthalene	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Acenaphthene	Fluorene	Naphthalene	Phenanthrene	Sulfate	Nitrate	Nitrate/Nitrite	Nitrite
Sample ID	Results in ug/L											Results in ug/L				Results in mg/L			
766-GP-1R-6-03	3.21	0.37	0.55	0.28	0.27	0.67	1.91	16.8	0.42	1.21	<RL	0.08	0.15	1.88	0.07	4.77	<RL	<RL	<RL
766-DUP1-6-03	10.2	1.06	<RL	0.64	0.65	1.69	7.0	12.1	0.79	4.13	<RL	0.07	0.13	1.84	0.07	2.89	<RL	<RL	<RL
766-GP-2R-6-03	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	21.4	0.01	0.01	<RL
766-GP-5-6-03	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	13.3	0.04	0.04	<RL
766-GP-3-6-03	<RL	<RL	<RL	0.51	<RL	2.25	<RL	<RL	<RL	<RL	2.52	0.15	0.43	0.17	<RL	14.9	0.12	0.12	<RL
766-GP-4-6-03	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	11.2	<RL	0.02	0.02

Note: 766-DUP1-6-03 is a duplicate sample for 766-GP-1R-6-03

Appendix E
UST Assessment Report

CDM - AECOM
Multimedia Joint Venture

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received
State Use Only

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

I. OWNERSHIP OF UST (S)

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

P.O. Box 55001
Mailing Address

Beaufort,	South Carolina	29904-5001
City	State	Zip Code

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

II. SITE IDENTIFICATION AND LOCATION

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

766 Althea 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

766Althea				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
4'4"				
No				
No				
Removed				
10/14/10				
Yes				
Yes				

A. Product...(ex. Gas, Kerosene).....

B. Capacity..(ex. 1k, 2k).....

C. Age.....

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

E. Month/Year of Last Use.....

F. Depth (ft.) To Base of Tank.....

G. Spill Prevention Equipment Y/N.....

H. Overfill Prevention Equipment Y/N.....

I. Method of Closure Removed/Filled.....

J. Date Tanks Removed/Filled.....

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

L. Visible Holes Y/N.....

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 766Althea was removed from the ground and disposed of at a "Subtitle D" landfill. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
UST 766Althea was previously filled with sand by others.

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

VII. PIPING INFORMATION

766Althea					
Steel & Copper					
N/A					
N/A					
Suction					
Yes					
Yes					
No					
Late 1950s					

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
766 Althea	Excav at fill end	Soil	Sandy	4'4"	10/14/10 1525 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

XII. RECEPTORS

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

XIII. SITE MAP

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

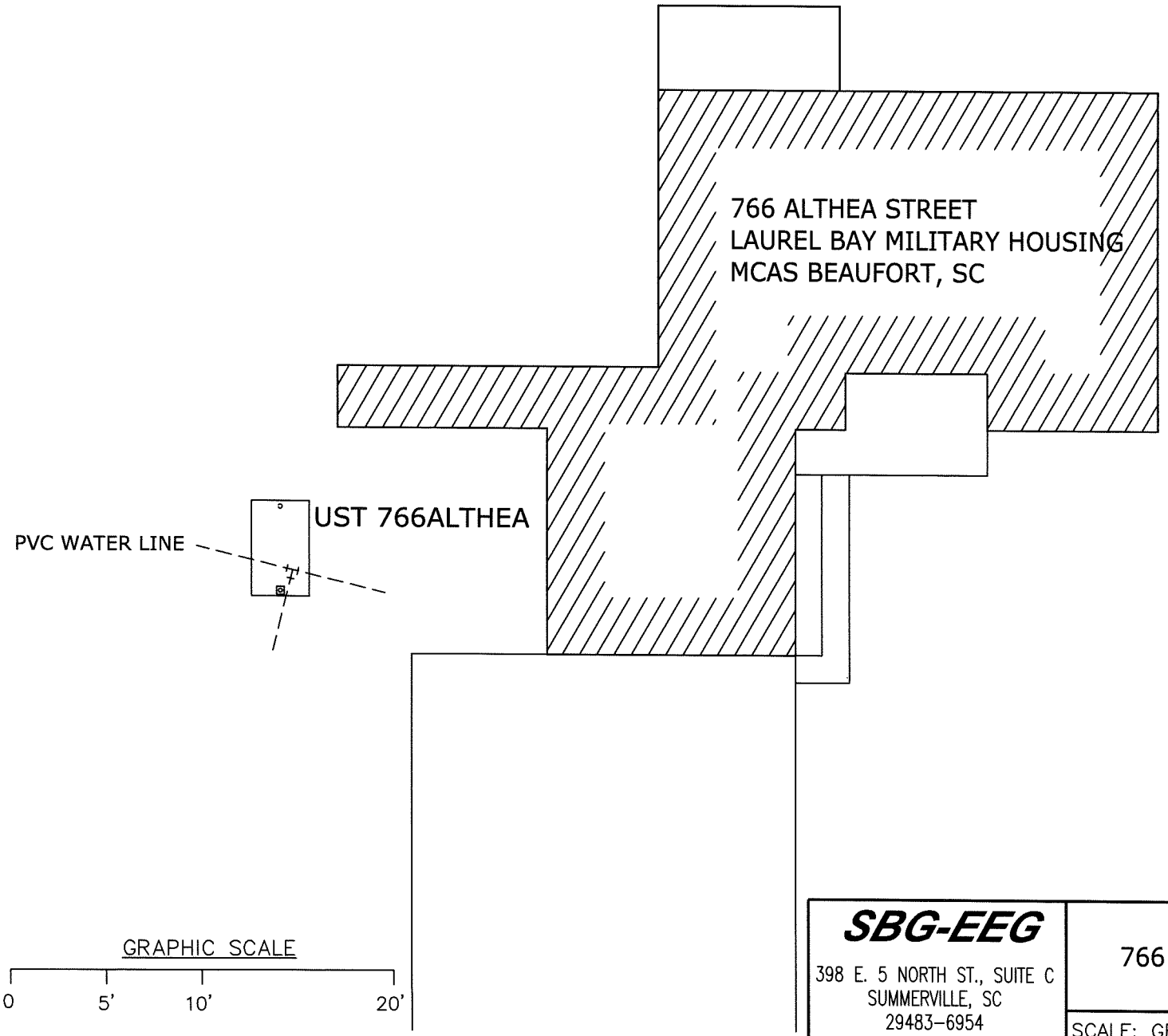
(Attach Site Map Here)

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

Drawn By: L. DiAsio

Dwg Date: NOV 2010

FIGURE 1: LOCATION MAP
766 ALTHEA STREET
LAUREL BAY, BEAUFORT SC

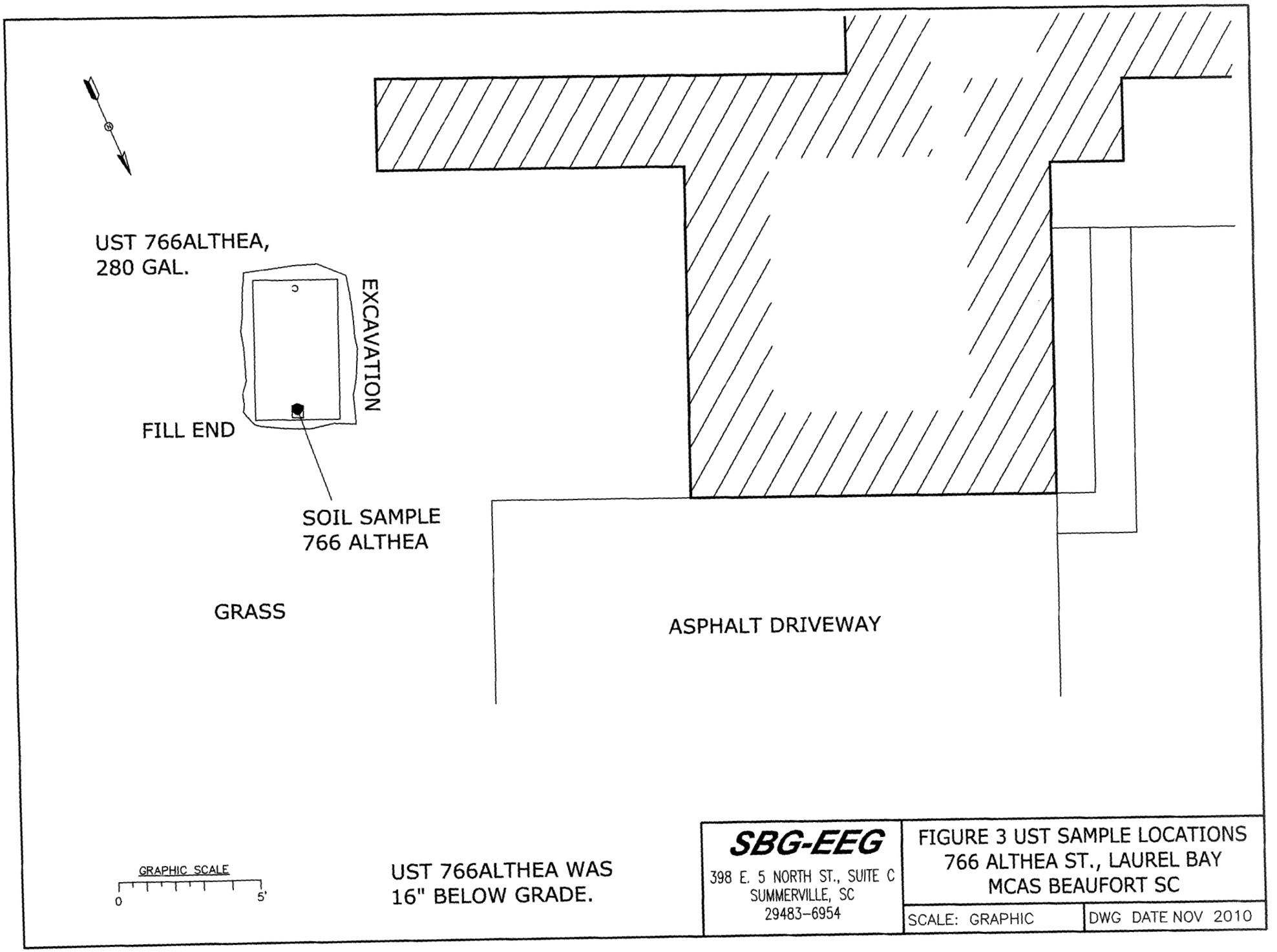


SBG-EEG

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

FIGURE 2 SITE MAP
766 ALTHEA ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE NOV 2010



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

FIGURE 3 UST SAMPLE LOCATIONS
766 ALTHEA ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE NOV 2010

Picture 1: Location of UST 766Althea.

Picture 2: Tank excavation in progress.

XIV. SUMMARY OF ANALYSIS RESULTS

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

CoC UST	766Althea						
Benzene	ND						
Toluene	0.00240 mg/kg						
Ethylbenzene	0.0550 mg/kg						
Xylenes	0.0678 mg/kg						
Naphthalene	0.154 mg/kg						
Benzo (a) anthracene	ND						
Benzo (b) fluoranthene	ND						
Benzo (k) fluoranthene	ND						
Chrysene	0.0570 mg/kg						
Dibenz (a, h) anthracene	ND						
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

November 01, 2010 5:03:00PM

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

Work Order: NTJ2269
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1005
Date Received: 10/16/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
927 Albacore	NTJ2269-01	10/11/10 10:45
937 Albacore	NTJ2269-02	10/11/10 15:30
756 Althea	NTJ2269-03	10/12/10 13:45
754 Althea	NTJ2269-04	10/12/10 16:30
758 Althea	NTJ2269-05	10/13/10 11:15
760 Althea	NTJ2269-06	10/13/10 16:00
763 Althea	NTJ2269-07	10/14/10 10:45
766 Althea	NTJ2269-08	10/14/10 15:25

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

South Carolina Certification Number: 84009

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

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

Ken A. Hayes

Senior Project Manager

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-01 (927 Albacore - Soil) Sampled: 10/11/10 10:45										
General Chemistry Parameters										
% Dry Solids	**88.4**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	**0.142**		mg/kg dry	0.0614	0.112	50	10/25/10 19:10	SW846 8260B	WMC H	10J4963
Ethylbenzene	**1.53**		mg/kg dry	0.0547	0.112	50	10/25/10 19:10	SW846 8260B	WMC H	10J4963
Naphthalene	**2.92**	M8	mg/kg dry	0.0948	0.279	50	10/25/10 19:10	SW846 8260B	WMC H	10J4963
Toluene	ND		mg/kg dry	0.0496	0.112	50	10/25/10 19:10	SW846 8260B	WMC H	10J4963
Xylenes, total	**2.82**		mg/kg dry	0.106	0.279	50	10/25/10 19:10	SW846 8260B	WMC H	10J4963
Surr: 1,2-Dichloroethane-d4 (67-138%)	*123 %*					*50*	*10/25/10 19:10*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: Dibromofluoromethane (75-125%)	*116 %*					*50*	*10/25/10 19:10*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: Toluene-d8 (76-129%)	*141 %*	*ZX*				*50*	*10/25/10 19:10*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: 4-Bromofluorobenzene (67-147%)	*107 %*					*50*	*10/25/10 19:10*	*SW846 8260B*	*WMC H*	*10J4963*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0154	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0219	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Anthracene	ND		mg/kg dry	0.00987	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	ND		mg/kg dry	0.0121	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	ND		mg/kg dry	0.00878	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	ND		mg/kg dry	0.0417	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00987	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	ND		mg/kg dry	0.0406	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Chrysene	ND		mg/kg dry	0.0340	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0165	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Fluoranthene	ND		mg/kg dry	0.0121	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Fluorene	ND		mg/kg dry	0.0219	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0340	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Naphthalene	ND		mg/kg dry	0.0154	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Phenanthrene	ND		mg/kg dry	0.0110	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Pyrene	ND		mg/kg dry	0.0252	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	ND		mg/kg dry	0.0132	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	ND		mg/kg dry	0.0230	0.0735	1	10/25/10 01:27	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*74 %*					*1*	*10/25/10 01:27*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*64 %*					*1*	*10/25/10 01:27*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*59 %*					*1*	*10/25/10 01:27*	*SW846 8270D*	*KJP*	*10J3714*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-02 (937 Albacore - Soil) Sampled: 10/11/10 15:30										
General Chemistry Parameters										
% Dry Solids	**82.0**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00116	0.00211	1	10/25/10 21:25	SW846 8260B	MJH/H	10J4863
Ethylbenzene	ND		mg/kg dry	0.00103	0.00211	1	10/25/10 21:25	SW846 8260B	MJH/H	10J4863
Naphthalene	ND		mg/kg dry	0.00179	0.00527	1	10/25/10 21:25	SW846 8260B	MJH/H	10J4863
Toluene	ND		mg/kg dry	0.000938	0.00211	1	10/25/10 21:25	SW846 8260B	MJH/H	10J4863
Xylenes, total	ND		mg/kg dry	0.00200	0.00527	1	10/25/10 21:25	SW846 8260B	MJH/H	10J4863
Surr: 1,2-Dichloroethane-d4 (67-138%)	*95 %*					*1*	*10/25/10 21:25*	*SW846 8260B*	*MJH/H*	*10J4863*
Surr: Dibromofluoromethane (75-125%)	*97 %*					*1*	*10/25/10 21:25*	*SW846 8260B*	*MJH/H*	*10J4863*
Surr: Toluene-d8 (76-129%)	*99 %*					*1*	*10/25/10 21:25*	*SW846 8260B*	*MJH/H*	*10J4863*
Surr: 4-Bromofluorobenzene (67-147%)	*106 %*					*1*	*10/25/10 21:25*	*SW846 8260B*	*MJH/H*	*10J4863*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0167	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0238	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Anthracene	ND		mg/kg dry	0.0107	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	ND		mg/kg dry	0.0131	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	ND		mg/kg dry	0.00953	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	ND		mg/kg dry	0.0452	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	**0.0572**	J	mg/kg dry	0.0107	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	ND		mg/kg dry	0.0441	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Chrysene	ND		mg/kg dry	0.0369	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0179	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Fluoranthene	ND		mg/kg dry	0.0131	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Fluorene	ND		mg/kg dry	0.0238	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0369	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Naphthalene	ND		mg/kg dry	0.0167	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Phenanthrene	ND		mg/kg dry	0.0119	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Pyrene	ND		mg/kg dry	0.0274	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	ND		mg/kg dry	0.0143	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	ND		mg/kg dry	0.0250	0.0798	1	10/25/10 01:48	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*72 %*					*1*	*10/25/10 01:48*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*61 %*					*1*	*10/25/10 01:48*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*55 %*					*1*	*10/25/10 01:48*	*SW846 8270D*	*KJP*	*10J3714*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-03 (756 Althea - Soil) Sampled: 10/12/10 13:45										
General Chemistry Parameters										
% Dry Solids	**87.1**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00146	0.00266	1	10/26/10 05:13	SW846 8260B	KxC	10J3702
Ethylbenzene	ND		mg/kg dry	0.00130	0.00266	1	10/26/10 05:13	SW846 8260B	KxC	10J3702
Naphthalene	**0.00940**		mg/kg dry	0.00226	0.00665	1	10/26/10 05:13	SW846 8260B	KxC	10J3702
Toluene	**0.00118**	J	mg/kg dry	0.00118	0.00266	1	10/26/10 05:13	SW846 8260B	KxC	10J3702
Xylenes, total	ND		mg/kg dry	0.00253	0.00665	1	10/26/10 05:13	SW846 8260B	KxC	10J3702
Surr: 1,2-Dichloroethane-d4 (67-138%)	*95 %*					*1*	*10/26/10 05:13*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Dibromofluoromethane (75-125%)	*97 %*					*1*	*10/26/10 05:13*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Toluene-d8 (76-129%)	*100 %*					*1*	*10/26/10 05:13*	*SW846 8260B*	*KxC*	*10J3702*
Surr: 4-Bromofluorobenzene (67-147%)	*107 %*					*1*	*10/26/10 05:13*	*SW846 8260B*	*KxC*	*10J3702*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0159	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0227	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Anthracene	ND		mg/kg dry	0.0102	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	ND		mg/kg dry	0.0125	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	ND		mg/kg dry	0.00907	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	ND		mg/kg dry	0.0431	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0102	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	ND		mg/kg dry	0.0419	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Chrysene	ND		mg/kg dry	0.0351	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0170	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Fluoranthene	ND		mg/kg dry	0.0125	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Fluorene	ND		mg/kg dry	0.0227	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0351	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Naphthalene	ND		mg/kg dry	0.0159	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Phenanthrene	ND		mg/kg dry	0.0113	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Pyrene	ND		mg/kg dry	0.0261	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	ND		mg/kg dry	0.0136	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	ND		mg/kg dry	0.0238	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*66 %*					*1*	*10/25/10 02:10*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*61 %*					*1*	*10/25/10 02:10*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*56 %*					*1*	*10/25/10 02:10*	*SW846 8270D*	*KJP*	*10J3714*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-04 (754 Althea - Soil) Sampled: 10/12/10 16:30										
General Chemistry Parameters										
% Dry Solids	**86.4**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00128	0.00232	1	10/26/10 05:42	SW846 8260B	KxC	10J3702
Ethylbenzene	ND		mg/kg dry	0.00114	0.00232	1	10/26/10 05:42	SW846 8260B	KxC	10J3702
Naphthalene	**0.00783**		mg/kg dry	0.00197	0.00580	1	10/26/10 05:42	SW846 8260B	KxC	10J3702
Toluene	**0.00110**	J	mg/kg dry	0.00103	0.00232	1	10/26/10 05:42	SW846 8260B	KxC	10J3702
Xylenes, total	ND		mg/kg dry	0.00220	0.00580	1	10/26/10 05:42	SW846 8260B	KxC	10J3702
Surr: 1,2-Dichloroethane-d4 (67-138%)	*95 %*					*1*	*10/26/10 05:42*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Dibromofluoromethane (75-125%)	*99 %*					*1*	*10/26/10 05:42*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Toluene-d8 (76-129%)	*100 %*					*1*	*10/26/10 05:42*	*SW846 8260B*	*KxC*	*10J3702*
Surr: 4-Bromofluorobenzene (67-147%)	*106 %*					*1*	*10/26/10 05:42*	*SW846 8260B*	*KxC*	*10J3702*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0160	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0229	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Anthracene	ND		mg/kg dry	0.0103	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	ND		mg/kg dry	0.0126	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	ND		mg/kg dry	0.00916	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	ND		mg/kg dry	0.0435	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0103	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	ND		mg/kg dry	0.0424	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Chrysene	ND		mg/kg dry	0.0355	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0172	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Fluoranthene	ND		mg/kg dry	0.0126	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Fluorene	ND		mg/kg dry	0.0229	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0355	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Naphthalene	ND		mg/kg dry	0.0160	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Phenanthrene	ND		mg/kg dry	0.0115	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Pyrene	ND		mg/kg dry	0.0263	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	ND		mg/kg dry	0.0137	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	ND		mg/kg dry	0.0240	0.0767	1	10/25/10 02:32	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*55 %*					*1*	*10/25/10 02:32*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*47 %*					*1*	*10/25/10 02:32*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*44 %*					*1*	*10/25/10 02:32*	*SW846 8270D*	*KJP*	*10J3714*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-05 (758 Althea - Soil) Sampled: 10/13/10 11:15										
General Chemistry Parameters										
% Dry Solids	**81.9**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00101	0.00183	1	10/26/10 06:11	SW846 8260B	KxC	10J3702
Ethylbenzene	ND		mg/kg dry	0.000898	0.00183	1	10/26/10 06:11	SW846 8260B	KxC	10J3702
Naphthalene	**0.00637**		mg/kg dry	0.00156	0.00458	1	10/26/10 06:11	SW846 8260B	KxC	10J3702
Toluene	ND		mg/kg dry	0.000815	0.00183	1	10/26/10 06:11	SW846 8260B	KxC	10J3702
Xylenes, total	ND		mg/kg dry	0.00174	0.00458	1	10/26/10 06:11	SW846 8260B	KxC	10J3702
Surr: 1,2-Dichloroethane-d4 (67-138%)	*98 %*					*1*	*10/26/10 06:11*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*1*	*10/26/10 06:11*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Toluene-d8 (76-129%)	*99 %*					*1*	*10/26/10 06:11*	*SW846 8260B*	*KxC*	*10J3702*
Surr: 4-Bromofluorobenzene (67-147%)	*105 %*					*1*	*10/26/10 06:11*	*SW846 8260B*	*KxC*	*10J3702*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0168	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0240	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Anthracene	ND		mg/kg dry	0.0108	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	ND		mg/kg dry	0.0132	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	ND		mg/kg dry	0.00959	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	ND		mg/kg dry	0.0455	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0108	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	ND		mg/kg dry	0.0443	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Chrysene	ND		mg/kg dry	0.0372	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0180	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Fluoranthene	ND		mg/kg dry	0.0132	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Fluorene	ND		mg/kg dry	0.0240	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0372	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Naphthalene	ND		mg/kg dry	0.0168	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Phenanthrene	ND		mg/kg dry	0.0120	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Pyrene	ND		mg/kg dry	0.0276	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	ND		mg/kg dry	0.0144	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	ND		mg/kg dry	0.0252	0.0803	1	10/25/10 02:54	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*60 %*					*1*	*10/25/10 02:54*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*53 %*					*1*	*10/25/10 02:54*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*49 %*					*1*	*10/25/10 02:54*	*SW846 8270D*	*KJP*	*10J3714*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-06 (760 Althea - Soil) Sampled: 10/13/10 16:00										
General Chemistry Parameters										
% Dry Solids	**81.6**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	**0.00254**		mg/kg dry	0.00128	0.00232	1	10/26/10 06:40	SW846 8260B	KxC	10J3702
Ethylbenzene	**1.15**		mg/kg dry	0.0574	0.117	50	10/26/10 00:36	SW846 8260B	WMC H	10J4963
Naphthalene	**5.68**		mg/kg dry	0.0996	0.293	50	10/26/10 00:36	SW846 8260B	WMC H	10J4963
Toluene	**0.0229**		mg/kg dry	0.00103	0.00232	1	10/26/10 06:40	SW846 8260B	KxC	10J3702
Xylenes, total	**1.84**		mg/kg dry	0.111	0.293	50	10/26/10 00:36	SW846 8260B	WMC H	10J4963
Surr: 1,2-Dichloroethane-d4 (67-138%)	*96 %*					*1*	*10/26/10 06:40*	*SW846 8260B*	*KxC*	*10J3702*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*108 %*					*50*	*10/26/10 00:36*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: Dibromofluoromethane (75-125%)	*105 %*					*1*	*10/26/10 06:40*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Dibromofluoromethane (75-125%)	*105 %*					*50*	*10/26/10 00:36*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: Toluene-d8 (76-129%)	*147 %*	*ZX*				*1*	*10/26/10 06:40*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Toluene-d8 (76-129%)	*97 %*					*50*	*10/26/10 00:36*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: 4-Bromofluorobenzene (67-147%)	*245 %*	*ZX*				*1*	*10/26/10 06:40*	*SW846 8260B*	*KxC*	*10J3702*
Surr: 4-Bromofluorobenzene (67-147%)	*101 %*					*50*	*10/26/10 00:36*	*SW846 8260B*	*WMC H*	*10J4963*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**1.22**		mg/kg dry	0.0171	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0244	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Anthracene	ND		mg/kg dry	0.0110	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	**0.366**		mg/kg dry	0.0134	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	**0.196**		mg/kg dry	0.00977	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	**0.296**		mg/kg dry	0.0464	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	**0.0700**	J	mg/kg dry	0.0110	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	**0.230**		mg/kg dry	0.0452	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Chrysene	**0.453**		mg/kg dry	0.0379	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0183	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Fluoranthene	**0.669**		mg/kg dry	0.0134	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Fluorene	**1.26**		mg/kg dry	0.0244	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	**0.0777**	J	mg/kg dry	0.0379	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Naphthalene	**2.45**		mg/kg dry	0.0171	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Phenanthrene	**2.01**		mg/kg dry	0.0122	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
Pyrene	**1.02**		mg/kg dry	0.0281	0.0818	1	10/25/10 03:15	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	**7.22**		mg/kg dry	0.0733	0.409	5	10/25/10 04:19	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	**9.43**		mg/kg dry	0.128	0.409	5	10/25/10 04:19	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*79 %*					*1*	*10/25/10 03:15*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*83 %*					*1*	*10/25/10 03:15*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*69 %*					*1*	*10/25/10 03:15*	*SW846 8270D*	*KJP*	*10J3714*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-07 (763 Althea - Soil) Sampled: 10/14/10 10:45										
General Chemistry Parameters										
% Dry Solids	**81.1**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00117	0.00213	1	10/26/10 14:41	SW846 8260B	KxC	10J3267
Ethylbenzene	**0.0215**		mg/kg dry	0.00104	0.00213	1	10/26/10 14:41	SW846 8260B	KxC	10J3267
Naphthalene	**2.29**		mg/kg dry	0.0920	0.270	50	10/26/10 01:03	SW846 8260B	WMC H	10J4963
Toluene	**0.00238**		mg/kg dry	0.000946	0.00213	1	10/26/10 14:41	SW846 8260B	KxC	10J3267
Xylenes, total	**0.0167**		mg/kg dry	0.00202	0.00532	1	10/26/10 14:41	SW846 8260B	KxC	10J3267
Surr: 1,2-Dichloroethane-d4 (67-138%)	*101 %*					*1*	*10/26/10 14:41*	*SW846 8260B*	*KxC*	*10J3267*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*112 %*					*50*	*10/26/10 01:03*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: Dibromofluoromethane (75-125%)	*105 %*					*1*	*10/26/10 14:41*	*SW846 8260B*	*KxC*	*10J3267*
Surr: Dibromofluoromethane (75-125%)	*110 %*					*50*	*10/26/10 01:03*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: Toluene-d8 (76-129%)	*122 %*					*1*	*10/26/10 14:41*	*SW846 8260B*	*KxC*	*10J3267*
Surr: Toluene-d8 (76-129%)	*95 %*					*50*	*10/26/10 01:03*	*SW846 8260B*	*WMC H*	*10J4963*
Surr: 4-Bromofluorobenzene (67-147%)	*262 %*	*ZX*				*1*	*10/26/10 14:41*	*SW846 8260B*	*KxC*	*10J3267*
Surr: 4-Bromofluorobenzene (67-147%)	*97 %*					*50*	*10/26/10 01:03*	*SW846 8260B*	*WMC H*	*10J4963*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**0.877**		mg/kg dry	0.0168	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0240	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Anthracene	**0.752**		mg/kg dry	0.0108	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	**1.42**		mg/kg dry	0.0132	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	**0.517**		mg/kg dry	0.00960	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	**0.639**		mg/kg dry	0.0456	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	**0.110**		mg/kg dry	0.0108	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	**0.600**		mg/kg dry	0.0444	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Chrysene	**1.42**		mg/kg dry	0.0372	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	**0.0864**		mg/kg dry	0.0180	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Fluoranthene	**3.21**		mg/kg dry	0.0132	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Fluorene	**1.63**		mg/kg dry	0.0240	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	**0.128**		mg/kg dry	0.0372	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Naphthalene	**0.631**		mg/kg dry	0.0168	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Phenanthrene	**3.89**		mg/kg dry	0.0120	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
Pyrene	**2.59**		mg/kg dry	0.0276	0.0804	1	10/25/10 03:36	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	**5.46**		mg/kg dry	0.0720	0.402	5	10/25/10 04:41	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	**8.84**		mg/kg dry	0.126	0.402	5	10/25/10 04:41	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*72 %*					*1*	*10/25/10 03:36*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*65 %*					*1*	*10/25/10 03:36*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*64 %*					*1*	*10/25/10 03:36*	*SW846 8270D*	*KJP*	*10J3714*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-08 (766 Althea - Soil) Sampled: 10/14/10 15:25										
General Chemistry Parameters										
% Dry Solids	**74.4**		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00121	0.00220	1	10/26/10 07:39	SW846 8260B	KxC	10J3702
Ethylbenzene	**0.0550**		mg/kg dry	0.00108	0.00220	1	10/26/10 07:39	SW846 8260B	KxC	10J3702
Naphthalene	**0.154**		mg/kg dry	0.00187	0.00551	1	10/26/10 07:39	SW846 8260B	KxC	10J3702
Toluene	**0.00240**		mg/kg dry	0.000980	0.00220	1	10/26/10 07:39	SW846 8260B	KxC	10J3702
Xylenes, total	**0.0678**		mg/kg dry	0.00209	0.00551	1	10/26/10 07:39	SW846 8260B	KxC	10J3702
Surr: 1,2-Dichloroethane-d4 (67-138%)	*102 %*					*1*	*10/26/10 07:39*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*1*	*10/26/10 07:39*	*SW846 8260B*	*KxC*	*10J3702*
Surr: Toluene-d8 (76-129%)	*130 %*	*ZX*				*1*	*10/26/10 07:39*	*SW846 8260B*	*KxC*	*10J3702*
Surr: 4-Bromofluorobenzene (67-147%)	*179 %*	*ZX*				*1*	*10/26/10 07:39*	*SW846 8260B*	*KxC*	*10J3702*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**0.948**		mg/kg dry	0.0185	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Acenaphthylene	ND		mg/kg dry	0.0265	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Anthracene	ND		mg/kg dry	0.0119	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Benzo (a) anthracene	ND		mg/kg dry	0.0146	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Benzo (a) pyrene	ND		mg/kg dry	0.0106	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Benzo (b) fluoranthene	ND		mg/kg dry	0.0503	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0119	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Benzo (k) fluoranthene	ND		mg/kg dry	0.0490	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Chrysene	**0.0570**	J	mg/kg dry	0.0411	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0199	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Fluoranthene	**0.129**		mg/kg dry	0.0146	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Fluorene	**0.543**		mg/kg dry	0.0265	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0411	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Naphthalene	**8.72**		mg/kg dry	0.0927	0.444	5	10/25/10 12:51	SW846 8270D	KJP	10J3714
Phenanthrene	**3.50**		mg/kg dry	0.0132	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
Pyrene	**0.259**		mg/kg dry	0.0305	0.0887	1	10/25/10 03:58	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	**17.4**		mg/kg dry	0.0795	0.444	5	10/25/10 12:51	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	**27.6**		mg/kg dry	0.278	0.887	10	10/26/10 17:17	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	*77 %*					*1*	*10/25/10 03:58*	*SW846 8270D*	*KJP*	*10J3714*
Surr: 2-Fluorobiphenyl (14-120%)	*73 %*					*1*	*10/25/10 03:58*	*SW846 8270D*	*KJP*	*10J3714*
Surr: Nitrobenzene-d5 (17-120%)	*24 %*					*1*	*10/25/10 03:58*	*SW846 8270D*	*KJP*	*10J3714*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	10J3714	NTJ2269-01	30.94	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-02	30.71	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-03	30.40	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-04	30.32	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-05	30.55	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-06	30.12	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-06RE1	30.12	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-07	30.84	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-07RE1	30.84	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-08	30.43	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-08RE1	30.43	1.00	10/21/10 06:30	CAG	EPA 3550B
SW846 8270D	10J3714	NTJ2269-08RE2	30.43	1.00	10/21/10 06:30	CAG	EPA 3550B
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	10J4963	NTJ2269-01	5.07	5.00	10/11/10 10:45	CHH	EPA 5035
SW846 8260B	10J4863	NTJ2269-02	5.78	5.00	10/11/10 15:30	CHH	EPA 5035
SW846 8260B	10J3702	NTJ2269-03	4.32	5.00	10/12/10 13:45	CHH	EPA 5035
SW846 8260B	10J3702	NTJ2269-04	4.99	5.00	10/12/10 16:30	CHH	EPA 5035
SW846 8260B	10J3702	NTJ2269-05	6.66	5.00	10/13/10 11:15	CHH	EPA 5035
SW846 8260B	10J3702	NTJ2269-06	5.28	5.00	10/13/10 16:00	CHH	EPA 5035
SW846 8260B	10J4963	NTJ2269-06RE1	5.23	5.00	10/13/10 16:00	CHH	EPA 5035
SW846 8260B	10J3702	NTJ2269-07	5.46	5.00	10/14/10 10:45	CHH	EPA 5035
SW846 8260B	10J3267	NTJ2269-07RE1	5.80	5.00	10/14/10 10:45	CHH	EPA 5035
SW846 8260B	10J4963	NTJ2269-07RE2	5.70	5.00	10/14/10 10:45	CHH	EPA 5035
SW846 8260B	10J3702	NTJ2269-08	6.10	5.00	10/14/10 15:25	CHH	EPA 5035

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
10J3267-BLK1						
Benzene	<0.00110		mg/kg wet	10J3267	10J3267-BLK1	10/26/10 14:07
Ethylbenzene	<0.000980		mg/kg wet	10J3267	10J3267-BLK1	10/26/10 14:07
Naphthalene	<0.00170		mg/kg wet	10J3267	10J3267-BLK1	10/26/10 14:07
Toluene	<0.000890		mg/kg wet	10J3267	10J3267-BLK1	10/26/10 14:07
Xylenes, total	<0.00190		mg/kg wet	10J3267	10J3267-BLK1	10/26/10 14:07
Surrogate: 1,2-Dichloroethane-d4	103%			10J3267	10J3267-BLK1	10/26/10 14:07
Surrogate: Dibromofluoromethane	105%			10J3267	10J3267-BLK1	10/26/10 14:07
Surrogate: Toluene-d8	99%			10J3267	10J3267-BLK1	10/26/10 14:07
Surrogate: 4-Bromofluorobenzene	104%			10J3267	10J3267-BLK1	10/26/10 14:07
10J3702-BLK1						
Benzene	<0.00110		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
Ethylbenzene	<0.000980		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
Naphthalene	<0.00170		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
Toluene	<0.000890		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
Xylenes, total	<0.00190		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
Surrogate: 1,2-Dichloroethane-d4	100%			10J3702	10J3702-BLK1	10/26/10 00:21
Surrogate: Dibromofluoromethane	107%			10J3702	10J3702-BLK1	10/26/10 00:21
Surrogate: Toluene-d8	99%			10J3702	10J3702-BLK1	10/26/10 00:21
Surrogate: 4-Bromofluorobenzene	107%			10J3702	10J3702-BLK1	10/26/10 00:21
10J4863-BLK1						
Benzene	<0.00110		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
Ethylbenzene	<0.000980		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
Naphthalene	<0.00170		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
Toluene	<0.000890		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
Xylenes, total	<0.00190		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
Surrogate: 1,2-Dichloroethane-d4	96%			10J4863	10J4863-BLK1	10/25/10 13:05
Surrogate: Dibromofluoromethane	102%			10J4863	10J4863-BLK1	10/25/10 13:05
Surrogate: Toluene-d8	98%			10J4863	10J4863-BLK1	10/25/10 13:05
Surrogate: 4-Bromofluorobenzene	112%			10J4863	10J4863-BLK1	10/25/10 13:05
10J4863-BLK2						
Benzene	<0.0550		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
Ethylbenzene	<0.0490		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
Naphthalene	<0.0850		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
Toluene	<0.0445		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
Xylenes, total	<0.0950		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
Surrogate: 1,2-Dichloroethane-d4	99%			10J4863	10J4863-BLK2	10/25/10 13:34
Surrogate: Dibromofluoromethane	97%			10J4863	10J4863-BLK2	10/25/10 13:34
Surrogate: Toluene-d8	100%			10J4863	10J4863-BLK2	10/25/10 13:34
Surrogate: 4-Bromofluorobenzene	106%			10J4863	10J4863-BLK2	10/25/10 13:34

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
10J4963-BLK1						
Benzene	<0.00110		mg/kg wet	10J4963	10J4963-BLK1	10/25/10 17:22
Ethylbenzene	<0.000980		mg/kg wet	10J4963	10J4963-BLK1	10/25/10 17:22
Naphthalene	<0.00170		mg/kg wet	10J4963	10J4963-BLK1	10/25/10 17:22
Toluene	<0.000890		mg/kg wet	10J4963	10J4963-BLK1	10/25/10 17:22
Xylenes, total	<0.00190		mg/kg wet	10J4963	10J4963-BLK1	10/25/10 17:22
Surrogate: 1,2-Dichloroethane-d4	123%			10J4963	10J4963-BLK1	10/25/10 17:22
Surrogate: Dibromofluoromethane	112%			10J4963	10J4963-BLK1	10/25/10 17:22
Surrogate: Toluene-d8	94%			10J4963	10J4963-BLK1	10/25/10 17:22
Surrogate: 4-Bromofluorobenzene	98%			10J4963	10J4963-BLK1	10/25/10 17:22
Polyaromatic Hydrocarbons by EPA 8270D						
10J3714-BLK1						
Acenaphthene	<0.0140		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Acenaphthylene	<0.0200		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Anthracene	<0.00900		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Benzo (a) anthracene	<0.0110		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Benzo (a) pyrene	<0.00800		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Benzo (b) fluoranthene	<0.0380		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Benzo (k) fluoranthene	<0.0370		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Chrysene	<0.0310		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Fluoranthene	<0.0110		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Fluorene	<0.0200		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Naphthalene	<0.0140		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Phenanthrene	<0.0100		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Pyrene	<0.0230		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
1-Methylnaphthalene	<0.0120		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
2-Methylnaphthalene	<0.0210		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37
Surrogate: Terphenyl-d14	72%			10J3714	10J3714-BLK1	10/24/10 01:37
Surrogate: 2-Fluorobiphenyl	60%			10J3714	10J3714-BLK1	10/24/10 01:37
Surrogate: Nitrobenzene-d5	61%			10J3714	10J3714-BLK1	10/24/10 01:37

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
10J3826-DUP1										
% Dry Solids	93.3	93.4		%	0.08	20	10J3826	NTJ1733-01		10/21/10 09:05

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
10J3267-BS1								
Benzene	50.0	41.5		ug/kg	83%	78 - 126	10J3267	10/26/10 12:03
Ethylbenzene	50.0	45.1		ug/kg	90%	79 - 130	10J3267	10/26/10 12:03
Naphthalene	50.0	44.5		ug/kg	89%	72 - 150	10J3267	10/26/10 12:03
Toluene	50.0	43.6		ug/kg	87%	76 - 126	10J3267	10/26/10 12:03
Xylenes, total	150	132		ug/kg	88%	80 - 130	10J3267	10/26/10 12:03
Surrogate: 1,2-Dichloroethane-d4	50.0	48.8			98%	67 - 138	10J3267	10/26/10 12:03
Surrogate: Dibromofluoromethane	50.0	51.0			102%	75 - 125	10J3267	10/26/10 12:03
Surrogate: Toluene-d8	50.0	50.5			101%	76 - 129	10J3267	10/26/10 12:03
Surrogate: 4-Bromofluorobenzene	50.0	50.1			100%	67 - 147	10J3267	10/26/10 12:03
10J3702-BS1								
Benzene	50.0	44.1		ug/kg	88%	78 - 126	10J3702	10/25/10 22:53
Ethylbenzene	50.0	47.0		ug/kg	94%	79 - 130	10J3702	10/25/10 22:53
Naphthalene	50.0	45.7		ug/kg	91%	72 - 150	10J3702	10/25/10 22:53
Toluene	50.0	45.4		ug/kg	91%	76 - 126	10J3702	10/25/10 22:53
Xylenes, total	150	138		ug/kg	92%	80 - 130	10J3702	10/25/10 22:53
Surrogate: 1,2-Dichloroethane-d4	50.0	48.4			97%	67 - 138	10J3702	10/25/10 22:53
Surrogate: Dibromofluoromethane	50.0	52.0			104%	75 - 125	10J3702	10/25/10 22:53
Surrogate: Toluene-d8	50.0	50.5			101%	76 - 129	10J3702	10/25/10 22:53
Surrogate: 4-Bromofluorobenzene	50.0	49.7			99%	67 - 147	10J3702	10/25/10 22:53
10J4863-BS1								
Benzene	50.0	50.5		ug/kg	101%	78 - 126	10J4863	10/25/10 11:37
Ethylbenzene	50.0	56.8		ug/kg	114%	79 - 130	10J4863	10/25/10 11:37
Naphthalene	50.0	54.2		ug/kg	108%	72 - 150	10J4863	10/25/10 11:37
Toluene	50.0	54.6		ug/kg	109%	76 - 126	10J4863	10/25/10 11:37
Xylenes, total	150	169		ug/kg	113%	80 - 130	10J4863	10/25/10 11:37
Surrogate: 1,2-Dichloroethane-d4	50.0	47.6			95%	67 - 138	10J4863	10/25/10 11:37
Surrogate: Dibromofluoromethane	50.0	50.7			101%	75 - 125	10J4863	10/25/10 11:37
Surrogate: Toluene-d8	50.0	50.4			101%	76 - 129	10J4863	10/25/10 11:37
Surrogate: 4-Bromofluorobenzene	50.0	51.0			102%	67 - 147	10J4863	10/25/10 11:37
10J4963-BS1								
Benzene	50.0	45.1		ug/kg	90%	78 - 126	10J4963	10/25/10 16:00
Ethylbenzene	50.0	48.0		ug/kg	96%	79 - 130	10J4963	10/25/10 16:00
Naphthalene	50.0	55.5		ug/kg	111%	72 - 150	10J4963	10/25/10 16:00
Toluene	50.0	43.8		ug/kg	88%	76 - 126	10J4963	10/25/10 16:00
Xylenes, total	150	147		ug/kg	98%	80 - 130	10J4963	10/25/10 16:00
Surrogate: 1,2-Dichloroethane-d4	25.0	32.4			130%	67 - 138	10J4963	10/25/10 16:00
Surrogate: Dibromofluoromethane	25.0	28.1			112%	75 - 125	10J4963	10/25/10 16:00
Surrogate: Toluene-d8	25.0	24.2			97%	76 - 129	10J4963	10/25/10 16:00
Surrogate: 4-Bromofluorobenzene	25.0	24.5			98%	67 - 147	10J4963	10/25/10 16:00

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
Polyaromatic Hydrocarbons by EPA 8270D								
10J3714-BS1								
Acenaphthene	1.67	1.40		mg/kg wet	84%	49 - 120	10J3714	10/23/10 16:58
Acenaphthylene	1.67	1.37		mg/kg wet	82%	52 - 120	10J3714	10/23/10 16:58
Anthracene	1.67	1.57		mg/kg wet	94%	58 - 120	10J3714	10/23/10 16:58
Benzo (a) anthracene	1.67	1.49		mg/kg wet	89%	57 - 120	10J3714	10/23/10 16:58
Benzo (a) pyrene	1.67	1.57		mg/kg wet	94%	55 - 120	10J3714	10/23/10 16:58
Benzo (b) fluoranthene	1.67	1.39		mg/kg wet	83%	51 - 123	10J3714	10/23/10 16:58
Benzo (g,h,i) perylene	1.67	1.53		mg/kg wet	92%	49 - 121	10J3714	10/23/10 16:58
Benzo (k) fluoranthene	1.67	1.62		mg/kg wet	97%	42 - 129	10J3714	10/23/10 16:58
Chrysene	1.67	1.45		mg/kg wet	87%	55 - 120	10J3714	10/23/10 16:58
Dibenz (a,h) anthracene	1.67	1.53		mg/kg wet	92%	50 - 123	10J3714	10/23/10 16:58
Fluoranthene	1.67	1.50		mg/kg wet	90%	58 - 120	10J3714	10/23/10 16:58
Fluorene	1.67	1.48		mg/kg wet	89%	54 - 120	10J3714	10/23/10 16:58
Indeno (1,2,3-cd) pyrene	1.67	1.53		mg/kg wet	92%	50 - 122	10J3714	10/23/10 16:58
Naphthalene	1.67	1.13		mg/kg wet	68%	28 - 120	10J3714	10/23/10 16:58
Phenanthrene	1.67	1.55		mg/kg wet	93%	56 - 120	10J3714	10/23/10 16:58
Pyrene	1.67	1.51		mg/kg wet	91%	56 - 120	10J3714	10/23/10 16:58
1-Methylnaphthalene	1.67	1.02		mg/kg wet	61%	36 - 120	10J3714	10/23/10 16:58
2-Methylnaphthalene	1.67	1.11		mg/kg wet	67%	36 - 120	10J3714	10/23/10 16:58
Surrogate: Terphenyl-d14	1.67	1.34			80%	18 - 120	10J3714	10/23/10 16:58
Surrogate: 2-Fluorobiphenyl	1.67	1.12			67%	14 - 120	10J3714	10/23/10 16:58
Surrogate: Nitrobenzene-d5	1.67	0.919			55%	17 - 120	10J3714	10/23/10 16:58

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
10J3267-BSD1												
Benzene		48.4		ug/kg	50.0	97%	78 - 126	15	50	10J3267		10/26/10 12:34
Ethylbenzene		52.9		ug/kg	50.0	106%	79 - 130	16	50	10J3267		10/26/10 12:34
Naphthalene		51.8		ug/kg	50.0	104%	72 - 150	15	50	10J3267		10/26/10 12:34
Toluene		50.6		ug/kg	50.0	101%	76 - 126	15	50	10J3267		10/26/10 12:34
Xylenes, total		155		ug/kg	150	103%	80 - 130	16	50	10J3267		10/26/10 12:34
Surrogate: 1,2-Dichloroethane-d4		49.0		ug/kg	50.0	98%	67 - 138			10J3267		10/26/10 12:34
Surrogate: Dibromofluoromethane		51.7		ug/kg	50.0	103%	75 - 125			10J3267		10/26/10 12:34
Surrogate: Toluene-d8		50.4		ug/kg	50.0	101%	76 - 129			10J3267		10/26/10 12:34
Surrogate: 4-Bromofluorobenzene		50.2		ug/kg	50.0	100%	67 - 147			10J3267		10/26/10 12:34
10J3702-BSD1												
Benzene		52.1		ug/kg	50.0	104%	78 - 126	17	50	10J3702		10/25/10 23:22
Ethylbenzene		57.0		ug/kg	50.0	114%	79 - 130	19	50	10J3702		10/25/10 23:22
Naphthalene		54.7		ug/kg	50.0	109%	72 - 150	18	50	10J3702		10/25/10 23:22
Toluene		54.0		ug/kg	50.0	108%	76 - 126	17	50	10J3702		10/25/10 23:22
Xylenes, total		167		ug/kg	150	111%	80 - 130	19	50	10J3702		10/25/10 23:22
Surrogate: 1,2-Dichloroethane-d4		48.4		ug/kg	50.0	97%	67 - 138			10J3702		10/25/10 23:22
Surrogate: Dibromofluoromethane		52.2		ug/kg	50.0	104%	75 - 125			10J3702		10/25/10 23:22
Surrogate: Toluene-d8		49.5		ug/kg	50.0	99%	76 - 129			10J3702		10/25/10 23:22
Surrogate: 4-Bromofluorobenzene		49.1		ug/kg	50.0	98%	67 - 147			10J3702		10/25/10 23:22
10J4863-BSD1												
Benzene		45.7		ug/kg	50.0	91%	78 - 126	10	50	10J4863		10/25/10 12:06
Ethylbenzene		47.2		ug/kg	50.0	94%	79 - 130	19	50	10J4863		10/25/10 12:06
Naphthalene		45.0		ug/kg	50.0	90%	72 - 150	19	50	10J4863		10/25/10 12:06
Toluene		44.9		ug/kg	50.0	90%	76 - 126	19	50	10J4863		10/25/10 12:06
Xylenes, total		140		ug/kg	150	93%	80 - 130	19	50	10J4863		10/25/10 12:06
Surrogate: 1,2-Dichloroethane-d4		51.3		ug/kg	50.0	103%	67 - 138			10J4863		10/25/10 12:06
Surrogate: Dibromofluoromethane		55.6		ug/kg	50.0	111%	75 - 125			10J4863		10/25/10 12:06
Surrogate: Toluene-d8		50.0		ug/kg	50.0	100%	76 - 129			10J4863		10/25/10 12:06
Surrogate: 4-Bromofluorobenzene		50.8		ug/kg	50.0	102%	67 - 147			10J4863		10/25/10 12:06
10J4963-BSD1												
Benzene		48.2		ug/kg	50.0	96%	78 - 126	7	50	10J4963		10/25/10 16:27
Ethylbenzene		51.6		ug/kg	50.0	103%	79 - 130	7	50	10J4963		10/25/10 16:27
Naphthalene		59.3		ug/kg	50.0	119%	72 - 150	7	50	10J4963		10/25/10 16:27
Toluene		46.4		ug/kg	50.0	93%	76 - 126	6	50	10J4963		10/25/10 16:27
Xylenes, total		155		ug/kg	150	103%	80 - 130	5	50	10J4963		10/25/10 16:27
Surrogate: 1,2-Dichloroethane-d4		29.8		ug/kg	25.0	119%	67 - 138			10J4963		10/25/10 16:27
Surrogate: Dibromofluoromethane		27.8		ug/kg	25.0	111%	75 - 125			10J4963		10/25/10 16:27
Surrogate: Toluene-d8		24.0		ug/kg	25.0	96%	76 - 129			10J4963		10/25/10 16:27

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
10J4963-BSD1												
Surrogate: 4-Bromofluorobenzene		25.4		ug/kg	25.0	102%	67 - 147			10J4963		10/25/10 16:27
Polyaromatic Hydrocarbons by EPA 8270D												
10J3714-BSD1												
Acenaphthene		1.24		mg/kg wet	1.67	74%	49 - 120	12	40	10J3714		10/23/10 17:20
Acenaphthylene		1.30		mg/kg wet	1.67	78%	52 - 120	5	30	10J3714		10/23/10 17:20
Anthracene		1.45		mg/kg wet	1.67	87%	58 - 120	8	50	10J3714		10/23/10 17:20
Benzo (a) anthracene		1.43		mg/kg wet	1.67	86%	57 - 120	4	30	10J3714		10/23/10 17:20
Benzo (a) pyrene		1.42		mg/kg wet	1.67	85%	55 - 120	9	33	10J3714		10/23/10 17:20
Benzo (b) fluoranthene		1.39		mg/kg wet	1.67	83%	51 - 123	0.02	42	10J3714		10/23/10 17:20
Benzo (g,h,i) perylene		1.53		mg/kg wet	1.67	92%	49 - 121	0.4	32	10J3714		10/23/10 17:20
Benzo (k) fluoranthene		1.43		mg/kg wet	1.67	86%	42 - 129	12	39	10J3714		10/23/10 17:20
Chrysene		1.36		mg/kg wet	1.67	82%	55 - 120	6	34	10J3714		10/23/10 17:20
Dibenz (a,h) anthracene		1.55		mg/kg wet	1.67	93%	50 - 123	1	31	10J3714		10/23/10 17:20
Fluoranthene		1.46		mg/kg wet	1.67	88%	58 - 120	3	35	10J3714		10/23/10 17:20
Fluorene		1.36		mg/kg wet	1.67	82%	54 - 120	9	37	10J3714		10/23/10 17:20
Indeno (1,2,3-cd) pyrene		1.54		mg/kg wet	1.67	92%	50 - 122	0.7	32	10J3714		10/23/10 17:20
Naphthalene		1.03		mg/kg wet	1.67	62%	28 - 120	9	34	10J3714		10/23/10 17:20
Phenanthrene		1.46		mg/kg wet	1.67	87%	56 - 120	6	32	10J3714		10/23/10 17:20
Pyrene		1.49		mg/kg wet	1.67	90%	56 - 120	1	40	10J3714		10/23/10 17:20
1-Methylnaphthalene		0.966		mg/kg wet	1.67	58%	36 - 120	5	45	10J3714		10/23/10 17:20
2-Methylnaphthalene		1.02		mg/kg wet	1.67	61%	36 - 120	9	50	10J3714		10/23/10 17:20
Surrogate: Terphenyl-d14		1.31		mg/kg wet	1.67	79%	18 - 120			10J3714		10/23/10 17:20
Surrogate: 2-Fluorobiphenyl		1.06		mg/kg wet	1.67	64%	14 - 120			10J3714		10/23/10 17:20
Surrogate: Nitrobenzene-d5		0.901		mg/kg wet	1.67	54%	17 - 120			10J3714		10/23/10 17:20

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
10J3267-MS1										
Benzene	ND	0.0578		mg/kg dry	0.0535	108%	42 - 141	10J3267	NTJ2036-13	10/28/10 00:57
Ethylbenzene	ND	0.0642		mg/kg dry	0.0535	120%	21 - 165	10J3267	NTJ2036-13	10/28/10 00:57
Naphthalene	0.00801	0.0718		mg/kg dry	0.0535	119%	10 - 160	10J3267	NTJ2036-13	10/28/10 00:57
Toluene	ND	0.0578		mg/kg dry	0.0535	108%	45 - 145	10J3267	NTJ2036-13	10/28/10 00:57
Xylenes, total	ND	0.202		mg/kg dry	0.160	126%	31 - 159	10J3267	NTJ2036-13	10/28/10 00:57
Surrogate: 1,2-Dichloroethane-d4		50.4		ug/kg	50.0	101%	67 - 138	10J3267	NTJ2036-13	10/28/10 00:57
Surrogate: Dibromofluoromethane		51.2		ug/kg	50.0	102%	75 - 125	10J3267	NTJ2036-13	10/28/10 00:57
Surrogate: Toluene-d8		51.4		ug/kg	50.0	103%	76 - 129	10J3267	NTJ2036-13	10/28/10 00:57
Surrogate: 4-Bromofluorobenzene		55.5		ug/kg	50.0	111%	67 - 147	10J3267	NTJ2036-13	10/28/10 00:57
10J3702-MS1										
Benzene	0.00546	0.0342		mg/kg dry	0.0548	52%	42 - 141	10J3702	NTJ2240-12	10/26/10 09:21
Ethylbenzene	0.00702	0.0390		mg/kg dry	0.0548	58%	21 - 165	10J3702	NTJ2240-12	10/26/10 09:21
Naphthalene	0.0187	0.0597		mg/kg dry	0.0548	75%	10 - 160	10J3702	NTJ2240-12	10/26/10 09:21
Toluene	0.00151	0.0358		mg/kg dry	0.0548	62%	45 - 145	10J3702	NTJ2240-12	10/26/10 09:21
Xylenes, total	0.0353	0.118		mg/kg dry	0.164	50%	31 - 159	10J3702	NTJ2240-12	10/26/10 09:21
Surrogate: 1,2-Dichloroethane-d4		53.8		ug/kg	50.0	108%	67 - 138	10J3702	NTJ2240-12	10/26/10 09:21
Surrogate: Dibromofluoromethane		50.3		ug/kg	50.0	101%	75 - 125	10J3702	NTJ2240-12	10/26/10 09:21
Surrogate: Toluene-d8		51.5		ug/kg	50.0	103%	76 - 129	10J3702	NTJ2240-12	10/26/10 09:21
Surrogate: 4-Bromofluorobenzene		54.5		ug/kg	50.0	109%	67 - 147	10J3702	NTJ2240-12	10/26/10 09:21
10J4863-MS1										
Benzene	0.0833	3.48		mg/kg wet	2.47	138%	42 - 141	10J4863	NTJ2240-08RE2	10/25/10 19:29
Ethylbenzene	0.294	4.14		mg/kg wet	2.47	156%	21 - 165	10J4863	NTJ2240-08RE2	10/25/10 19:29
Naphthalene	1.69	4.77		mg/kg wet	2.47	125%	10 - 160	10J4863	NTJ2240-08RE2	10/25/10 19:29
Toluene	0.286	3.84		mg/kg wet	2.47	144%	45 - 145	10J4863	NTJ2240-08RE2	10/25/10 19:29
Xylenes, total	3.54	16.1	M7	mg/kg wet	7.40	169%	31 - 159	10J4863	NTJ2240-08RE2	10/25/10 19:29
Surrogate: 1,2-Dichloroethane-d4		48.1		ug/kg	50.0	96%	67 - 138	10J4863	NTJ2240-08RE2	10/25/10 19:29
Surrogate: Dibromofluoromethane		51.7		ug/kg	50.0	103%	75 - 125	10J4863	NTJ2240-08RE2	10/25/10 19:29
Surrogate: Toluene-d8		53.4		ug/kg	50.0	107%	76 - 129	10J4863	NTJ2240-08RE2	10/25/10 19:29
Surrogate: 4-Bromofluorobenzene		51.9		ug/kg	50.0	104%	67 - 147	10J4863	NTJ2240-08RE2	10/25/10 19:29
10J4963-MS1										
Benzene	0.142	3.03		mg/kg dry	5.58	52%	42 - 141	10J4963	NTJ2269-01	10/26/10 01:58

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
10J4963-MS1										
Ethylbenzene	1.53	3.18		mg/kg dry	5.58	30%	21 - 165	10J4963	NTJ2269-01	10/26/10 01:58
Naphthalene	2.92	3.13	M8	mg/kg dry	5.58	4%	10 - 160	10J4963	NTJ2269-01	10/26/10 01:58
Toluene	ND	2.89		mg/kg dry	5.58	52%	45 - 145	10J4963	NTJ2269-01	10/26/10 01:58
Xylenes, total	2.82	9.52		mg/kg dry	16.7	40%	31 - 159	10J4963	NTJ2269-01	10/26/10 01:58
Surrogate: 1,2-Dichloroethane-d4		31.8		ug/kg	25.0	127%	67 - 138	10J4963	NTJ2269-01	10/26/10 01:58
Surrogate: Dibromofluoromethane		28.4		ug/kg	25.0	113%	75 - 125	10J4963	NTJ2269-01	10/26/10 01:58
Surrogate: Toluene-d8		24.0		ug/kg	25.0	96%	76 - 129	10J4963	NTJ2269-01	10/26/10 01:58
Surrogate: 4-Bromofluorobenzene		24.2		ug/kg	25.0	97%	67 - 147	10J4963	NTJ2269-01	10/26/10 01:58
Polyaromatic Hydrocarbons by EPA 8270D										
10J3714-MS1										
Acenaphthene	ND	1.10		mg/kg dry	1.86	59%	42 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Acenaphthylene	ND	1.13		mg/kg dry	1.86	61%	32 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Anthracene	ND	1.43		mg/kg dry	1.86	77%	10 - 200	10J3714	NTJ2269-01	10/24/10 01:59
Benzo (a) anthracene	ND	1.36		mg/kg dry	1.86	73%	41 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Benzo (a) pyrene	ND	1.38		mg/kg dry	1.86	75%	33 - 121	10J3714	NTJ2269-01	10/24/10 01:59
Benzo (b) fluoranthene	ND	1.19		mg/kg dry	1.86	64%	26 - 137	10J3714	NTJ2269-01	10/24/10 01:59
Benzo (g,h,i) perylene	ND	1.23		mg/kg dry	1.86	66%	21 - 124	10J3714	NTJ2269-01	10/24/10 01:59
Benzo (k) fluoranthene	ND	1.35		mg/kg dry	1.86	73%	14 - 140	10J3714	NTJ2269-01	10/24/10 01:59
Chrysene	ND	1.27		mg/kg dry	1.86	68%	28 - 123	10J3714	NTJ2269-01	10/24/10 01:59
Dibenz (a,h) anthracene	ND	1.27		mg/kg dry	1.86	68%	25 - 127	10J3714	NTJ2269-01	10/24/10 01:59
Fluoranthene	ND	1.43		mg/kg dry	1.86	77%	38 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Fluorene	ND	1.23		mg/kg dry	1.86	66%	41 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Indeno (1,2,3-cd) pyrene	ND	1.26		mg/kg dry	1.86	68%	25 - 123	10J3714	NTJ2269-01	10/24/10 01:59
Naphthalene	ND	0.889		mg/kg dry	1.86	48%	25 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Phenanthrene	ND	1.42		mg/kg dry	1.86	77%	37 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Pyrene	ND	1.26		mg/kg dry	1.86	68%	29 - 125	10J3714	NTJ2269-01	10/24/10 01:59
1-Methylnaphthalene	ND	0.811		mg/kg dry	1.86	44%	19 - 120	10J3714	NTJ2269-01	10/24/10 01:59
2-Methylnaphthalene	ND	0.856		mg/kg dry	1.86	46%	11 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Surrogate: Terphenyl-d14		1.11		mg/kg dry	1.86	60%	18 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Surrogate: 2-Fluorobiphenyl		0.887		mg/kg dry	1.86	48%	14 - 120	10J3714	NTJ2269-01	10/24/10 01:59
Surrogate: Nitrobenzene-d5		0.671		mg/kg dry	1.86	36%	17 - 120	10J3714	NTJ2269-01	10/24/10 01:59

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
10J3267-MSD1												
Benzene	ND	0.0486		mg/kg dry	0.0536	91%	42 - 141	17	50	10J3267	NTJ2036-13	10/28/10 01:26
Ethylbenzene	ND	0.0542		mg/kg dry	0.0536	101%	21 - 165	17	50	10J3267	NTJ2036-13	10/28/10 01:26
Naphthalene	0.00801	0.0464		mg/kg dry	0.0536	72%	10 - 160	43	50	10J3267	NTJ2036-13	10/28/10 01:26
Toluene	ND	0.0494		mg/kg dry	0.0536	92%	45 - 145	16	50	10J3267	NTJ2036-13	10/28/10 01:26
Xylenes, total	ND	0.168		mg/kg dry	0.161	105%	31 - 159	18	50	10J3267	NTJ2036-13	10/28/10 01:26
Surrogate: 1,2-Dichloroethane-d4		50.9		ug/kg	50.0	102%	67 - 138			10J3267	NTJ2036-13	10/28/10 01:26
Surrogate: Dibromofluoromethane		53.1		ug/kg	50.0	106%	75 - 125			10J3267	NTJ2036-13	10/28/10 01:26
Surrogate: Toluene-d8		51.6		ug/kg	50.0	103%	76 - 129			10J3267	NTJ2036-13	10/28/10 01:26
Surrogate: 4-Bromofluorobenzene		53.6		ug/kg	50.0	107%	67 - 147			10J3267	NTJ2036-13	10/28/10 01:26
10J3702-MSD1												
Benzene	0.00546	0.0481		mg/kg dry	0.0548	78%	42 - 141	34	50	10J3702	NTJ2240-12	10/26/10 09:45
Ethylbenzene	0.00702	0.0571		mg/kg dry	0.0548	91%	21 - 165	38	50	10J3702	NTJ2240-12	10/26/10 09:45
Naphthalene	0.0187	0.0523		mg/kg dry	0.0548	61%	10 - 160	13	50	10J3702	NTJ2240-12	10/26/10 09:45
Toluene	0.00151	0.0528		mg/kg dry	0.0548	94%	45 - 145	39	50	10J3702	NTJ2240-12	10/26/10 09:45
Xylenes, total	0.0353	0.167		mg/kg dry	0.164	80%	31 - 159	35	50	10J3702	NTJ2240-12	10/26/10 09:45
Surrogate: 1,2-Dichloroethane-d4		46.8		ug/kg	50.0	94%	67 - 138			10J3702	NTJ2240-12	10/26/10 09:45
Surrogate: Dibromofluoromethane		49.2		ug/kg	50.0	98%	75 - 125			10J3702	NTJ2240-12	10/26/10 09:45
Surrogate: Toluene-d8		51.1		ug/kg	50.0	102%	76 - 129			10J3702	NTJ2240-12	10/26/10 09:45
Surrogate: 4-Bromofluorobenzene		53.8		ug/kg	50.0	108%	67 - 147			10J3702	NTJ2240-12	10/26/10 09:45
10J4863-MSD1												
Benzene	0.0833	2.67		mg/kg wet	2.47	105%	42 - 141	26	50	10J4863	NTJ2240-08RE2	10/25/10 19:58
Ethylbenzene	0.294	3.18		mg/kg wet	2.47	117%	21 - 165	26	50	10J4863	NTJ2240-08RE2	10/25/10 19:58
Naphthalene	1.69	3.95		mg/kg wet	2.47	92%	10 - 160	19	50	10J4863	NTJ2240-08RE2	10/25/10 19:58
Toluene	0.286	2.91		mg/kg wet	2.47	107%	45 - 145	27	50	10J4863	NTJ2240-08RE2	10/25/10 19:58
Xylenes, total	3.54	12.5		mg/kg wet	7.40	121%	31 - 159	25	50	10J4863	NTJ2240-08RE2	10/25/10 19:58
Surrogate: 1,2-Dichloroethane-d4		49.3		ug/kg	50.0	99%	67 - 138			10J4863	NTJ2240-08RE2	10/25/10 19:58
Surrogate: Dibromofluoromethane		52.6		ug/kg	50.0	105%	75 - 125			10J4863	NTJ2240-08RE2	10/25/10 19:58
Surrogate: Toluene-d8		52.3		ug/kg	50.0	105%	76 - 129			10J4863	NTJ2240-08RE2	10/25/10 19:58
Surrogate: 4-Bromofluorobenzene		50.9		ug/kg	50.0	102%	67 - 147			10J4863	NTJ2240-08RE2	10/25/10 19:58
10J4963-MSD1												
Benzene	0.142	2.88		mg/kg dry	5.58	49%	42 - 141	5	50	10J4963	NTJ2269-01	10/26/10 02:25
Ethylbenzene	1.53	3.03		mg/kg dry	5.58	27%	21 - 165	5	50	10J4963	NTJ2269-01	10/26/10 02:25
Naphthalene	2.92	2.93	M8	mg/kg dry	5.58	0%	10 - 160	7	50	10J4963	NTJ2269-01	10/26/10 02:25

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
10J4963-MSD1												
Toluene	ND	2.79		mg/kg dry	5.58	50%	45 - 145	3	50	10J4963	NTJ2269-01	10/26/10 02:25
Xylenes, total	2.82	9.20		mg/kg dry	16.7	38%	31 - 159	3	50	10J4963	NTJ2269-01	10/26/10 02:25
Surrogate: 1,2-Dichloroethane-d4		31.5		ug/kg	25.0	126%	67 - 138			10J4963	NTJ2269-01	10/26/10 02:25
Surrogate: Dibromofluoromethane		26.6		ug/kg	25.0	107%	75 - 125			10J4963	NTJ2269-01	10/26/10 02:25
Surrogate: Toluene-d8		23.5		ug/kg	25.0	94%	76 - 129			10J4963	NTJ2269-01	10/26/10 02:25
Surrogate: 4-Bromofluorobenzene		23.9		ug/kg	25.0	96%	67 - 147			10J4963	NTJ2269-01	10/26/10 02:25
Polyaromatic Hydrocarbons by EPA 8270D												
10J3714-MSD1												
Acenaphthene	ND	1.41		mg/kg dry	1.87	75%	42 - 120	25	40	10J3714	NTJ2269-01	10/24/10 02:20
Acenaphthylene	ND	1.45		mg/kg dry	1.87	77%	32 - 120	25	30	10J3714	NTJ2269-01	10/24/10 02:20
Anthracene	ND	1.63		mg/kg dry	1.87	87%	10 - 200	13	50	10J3714	NTJ2269-01	10/24/10 02:20
Benzo (a) anthracene	ND	1.54		mg/kg dry	1.87	82%	41 - 120	12	30	10J3714	NTJ2269-01	10/24/10 02:20
Benzo (a) pyrene	ND	1.59		mg/kg dry	1.87	85%	33 - 121	14	33	10J3714	NTJ2269-01	10/24/10 02:20
Benzo (b) fluoranthene	ND	1.62		mg/kg dry	1.87	87%	26 - 137	31	42	10J3714	NTJ2269-01	10/24/10 02:20
Benzo (g,h,i) perylene	ND	1.42		mg/kg dry	1.87	76%	21 - 124	14	32	10J3714	NTJ2269-01	10/24/10 02:20
Benzo (k) fluoranthene	ND	1.47		mg/kg dry	1.87	79%	14 - 140	9	39	10J3714	NTJ2269-01	10/24/10 02:20
Chrysene	ND	1.46		mg/kg dry	1.87	78%	28 - 123	14	34	10J3714	NTJ2269-01	10/24/10 02:20
Dibenz (a,h) anthracene	ND	1.46		mg/kg dry	1.87	78%	25 - 127	14	31	10J3714	NTJ2269-01	10/24/10 02:20
Fluoranthene	ND	1.58		mg/kg dry	1.87	84%	38 - 120	9	35	10J3714	NTJ2269-01	10/24/10 02:20
Fluorene	ND	1.48		mg/kg dry	1.87	79%	41 - 120	19	37	10J3714	NTJ2269-01	10/24/10 02:20
Indeno (1,2,3-cd) pyrene	ND	1.46		mg/kg dry	1.87	78%	25 - 123	15	32	10J3714	NTJ2269-01	10/24/10 02:20
Naphthalene	ND	1.16		mg/kg dry	1.87	62%	25 - 120	27	42	10J3714	NTJ2269-01	10/24/10 02:20
Phenanthrene	ND	1.57		mg/kg dry	1.87	84%	37 - 120	10	32	10J3714	NTJ2269-01	10/24/10 02:20
Pyrene	ND	1.47		mg/kg dry	1.87	78%	29 - 125	15	40	10J3714	NTJ2269-01	10/24/10 02:20
1-Methylnaphthalene	ND	1.13		mg/kg dry	1.87	60%	19 - 120	33	45	10J3714	NTJ2269-01	10/24/10 02:20
2-Methylnaphthalene	ND	1.14		mg/kg dry	1.87	61%	11 - 120	29	50	10J3714	NTJ2269-01	10/24/10 02:20
Surrogate: Terphenyl-d14		1.33		mg/kg dry	1.87	71%	18 - 120			10J3714	NTJ2269-01	10/24/10 02:20
Surrogate: 2-Fluorobiphenyl		1.09		mg/kg dry	1.87	58%	14 - 120			10J3714	NTJ2269-01	10/24/10 02:20
Surrogate: Nitrobenzene-d5		0.977		mg/kg dry	1.87	52%	17 - 120			10J3714	NTJ2269-01	10/24/10 02:20

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTJ2269
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/16/10 08:30

DATA QUALIFIERS AND DEFINITIONS

J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

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

Telephone Number: 843.412.2097 **Fax No.:** 843-579-0401

Sampler Name: (Print) Patti Shaw

Sampler Signature:

Site State: SC

PO#: 10025

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label) Sodium Bisulfate	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify)	Analyze For: BTEX + Naph - 8260B	PAH - 8270C	NTJ2269 1/01/10 23:59	RUSH TAT (Pre-Schedule)
727 ALBACORE	10/11/10	1045	5	X					2				2	1					X		X	X	01	
937 ALBACORE	10/11/10	1530	5	X					2				2	1					X		X	X	2	
756 ALTHEA	10/12/10	1345	5	X					2				2	1					X		X	X	3	
754 ALTHEA	10/12/10	1630	5	X					2				2	1					X		X	X	4	
758 ALTHEA	10/13/10	1115	5	X					2				2	1					X		X	X	5	
760 ALTHEA	10/13/10	1600	5	X					2				2	1					X		X	X	6	
763 ALTHEA	10/14/10	1045	5	X					2				2	1					X		X	V	7	
766 ALTHEA	10/14/10	1525	5	X					2				2	1					X		X	X	8	

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	10/15/10	0700	FedEx	10/15/10	
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				10/16/10	8:30

Laboratory Comments:

Temperature Upon Receipt: 4.5

VOCs Free of Headspace? Y

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

3. Generator's Mailing Address:
MCAS, BEAUFORT
LAUREL BAY HOUSING
BEAUFORT, SC 29907

4. Generator's Phone 843-228-6461

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

A. Manifest Number WMNA 00316797

B. State Generator's ID

5. Transporter 1 Company Name
EEG, INC.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 843-879-0411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
2621 LOW COUNTRY ROAD
RIDGELAND, SC 29936

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 843-987-4643

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANKS FILLED WITH SAND **WM Profile #** 102655SC					
b. **WM Profile #**					
c. **WM Profile #**					
d. **WM Profile #**					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

Cell		Level	
Grid			

15. Special Handling Instructions and Additional Information
UST Removal: 1) 760 Althea 2) 763 Althea 3) 766 Althea 4) 767 Althea - 2 5) 768 Althea - 3 6) 775 Althea

Purchase Order #

EMERGENCY CONTACT / PHONE NO.:

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

Printed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
[illegible]	[illegible]	12	27	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

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

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

Printed Name	Signature	Month	Day	Year

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

Pink- FACILITY USE ONLY   Gold- TRANSPORTER #1 COPY

Appendix F
Laboratory Analytical Report – Initial Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QK18003-017**
Description: **BEALB766TW04WG20151118**
Matrix: **Aqueous**
Date Sampled: **11/18/2015 1440**
Date Received: **11/19/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/23/2015 1850	JM1		90375

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene	**100-41-4**	**8260B**	**0.35**	**J**	**5.0**	0.51	**0.21**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**3.4**	**BJ**	**5.0**	0.96	**0.14**	**ug/L**	**1**
Toluene	108-88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)	**1330-20-7**	**8260B**	**5.0**		**5.0**	0.57	**0.32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		97	75-120
1,2-Dichloroethane-d4		84	70-120
Toluene-d8		100	85-120
Dibromofluoromethane		98	85-115

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

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

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QK18003-017**
Description: **BEALB766TW04WG20151118**
Matrix: **Aqueous**
Date Sampled: **11/18/2015 1440**
Date Received: **11/19/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	12/03/2015 2004	RBH	11/24/2015 1615	90443

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		60	15-139
Fluoranthene-d10		57	23-154

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

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

Appendix G
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C
PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

20 January 2000

United States Marine Corps Air Station
Commanding Officer
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

Re: Initial Assessment Report dated 01 December 1999
766 Althea St./Laurel Bay Family Housing (Site Identification # 01439)
Marine Corps Air Station Beaufort
Beaufort, SC
Beaufort County

Dear Ms. Howard:

The author has completed technical review of the referenced document. As submitted, the report provides a narrative of closure activities for three (3) heating oil tanks and subsequent environmental assessments to establish the extent and severity of suspected contamination at the subject site. Based on the analytical data and information presented, it appears that a reasonable delineation of soil and groundwater contamination has been developed for the 766 Althea St. site. With this consideration, the author concurs with the conclusions and recommendations as presented.

An appropriate schedule for the recommended monitoring program should be developed and submitted to my attention by 01 March 2000. Please note that this site will be tracked under Site identification # 01439. Should you have any questions please contact me at (803) 898-3559.

Sincerely,

Paul L. Bristol, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Low Country District EQC

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

July 1, 2015

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

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

Dear Mr. Drawdy,

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

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

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

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

Sincerely,

Kent M. Krieg

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

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

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

Laurel Bay Underground Storage Tank Assessment Reports for: (97 addresses/110 tanks)

118 Banyan	343 Ash Tank 2
126 Banyan	344 Ash Tank 2
127 Banyan	347 Ash Tank 2
130 Banyan Tank 1	378 Aspen Tank 2
141 Laurel Bay	379 Aspen
151 Laurel Bay	382 Aspen Tank 1
224 Cypress	382 Aspen Tank 2
227 Cypress	394 Acorn Tank 2
256 Beech Tank 2	400 Elderberry
257 Beech Tank 1	432 Elderberry
257 Beech Tank 2	436 Elderberry
264 Beech	473 Dogwood Tank 2
265 Beech Tank 2	482 Laurel Bay
265 Beech Tank 3	517 Laurel Bay
275 Birch	586 Aster
277 Birch Tank 1	632 Dahlia
285 Birch	639 Dahlia Tank 2
292 Birch Tank 3	643 Dahlia Tank 1
297 Birch	644 Dahlia Tank 1
301 Ash	644 Dahlia Tank 2
306 Ash	646 Dahlia Tank 1
310 Ash Tank 1	646 Dahlia Tank 2
313 Ash	665 Camellia
315 Ash Tank 2	699 Abelia
316 Ash	744 Blue Bell
319 Ash	745 Blue Bell Tank 1
320 Ash	747 Blue Bell Tank 1
321 Ash	747 Blue Bell Tank 2
329 Ash	747 Blue Bell Tank 3
330 Ash Tank 2	749 Blue Bell Tank 1
331 Ash	749 Blue Bell Tank 2
332 Ash	751 Blue Bell
333 Ash	762 Althea
335 Ash Tank 1	765 Althea Tank 2
335 Ash Tank 2	766 Althea Tank 4
341 Ash	767 Althea Tank 1
342 Ash Tank 1	768 Althea Tank 2
342 Ash Tank 2	768 Althea Tank 3

Laurel Bay Underground Storage Tank Assessment Reports for: (98 addresses/110 tanks) cont.

768 Althea Tank 4	1067 Gardenia
769 Althea Tank 1	1077 Heather
769 Althea Tank 2	1081 Heather
775 Althea	1101 Iris Tank 2
819 Azalea	1104 Iris
840 Azalea	1105 Iris Tank 2
878 Cobia	1124 Iris Tank 2
891 Cobia	1142 Iris Tank 2
913 Barracuda	1146 Iris Tank 2
916 Barracuda	1218 Cardinal
923 Albacore	1240 Dove
1004 Bobwhite	1266 Dove
1022 Foxglove	1292 Eagle
1031 Foxglove	1299 Eagle Tank 1
1034 Foxglove Tank 2	1302 Eagle
1061 Gardenia Tank 3	1336 Albatross
1064 Gardenia	1351 Cardinal

D H E C

PROMOTE PROTECT PROSPER

10 October 2003

United States Marine Corps Air Station
Commanding Officer
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

Re: MCAS – 766 Althea Bay (Former Heating Oil UST)
Site Identification # 01439
Groundwater Sampling Report received 10 October 2003
No Further Action
Beaufort County

Dear Ms. Howard:

The Department has reviewed the referenced report. As submitted, the report documents groundwater assessment activities conducted to determine the extent and severity of the petroleum contamination at the referenced site. Based on this review, it appears that maximum contaminant levels are no longer exceeded in groundwater at the site.

Based on the information and analytical data submitted, the Department recognizes that the Marine Corps Air Station has adequately addressed the known environmental contamination identified on the property to date in accordance with the approved scope of work. Consequently, no further investigation is required at this time. Please note, this statement pertains only to the portion of the site addressed in the referenced report and does not apply to other areas of the site and/or any other potential regulatory violations. Furthermore, the Department retains the right to request further investigation if deemed necessary.

The monitoring well(s) may be permanently abandoned by a certified well driller licensed in South Carolina in accordance with the South Carolina Well Standards and Regulations, R.61-71 or properly maintained. Should you choose to abandon the well, please submit a well abandonment record no later than 31 December 2003. Should you choose to properly maintain the monitoring well, please notify me within 14 days of this correspondence.

Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

Tom Knight, Manager
Groundwater Quality Section
Bureau of Water

cc: Low Country District EQC
Matt Tetrault – BLWM
Mike Danielsen - BLWM
Technical File

D H E C
PROMOTE PROTECT PROSPER

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

Division of Waste Management
Bureau of Land and Waste Management

June 8, 2016

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

RE: Approval and Concurrence with Draft Final Initial Groundwater Investigation Report-November and December 2015
Laurel Bay Military Housing Area Multiple Properties
Dated April 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the attached addresses on May 2, 2016. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 15 stated addresses. For the remaining 80 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

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

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

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

Attachment to: Petrus to Drawdy
Subject: Draft Final Initial Groundwater Investigation Report-November and December 2015
Specific Property Recommendations
Dated June 8, 2016

Draft Final Initial Groundwater Investigation Report for (95 addresses)

Permanent Monitoring Well Investigation recommendation (15 addresses)	
130 Banyan Drive	473 Dogwood Drive
256 Beech Street	747 Blue Bell Lane
285 Birch Drive	749 Blue Bell Lane
292 Birch Drive	775 Althea Street
330 Ash Street	1034 Foxglove Street
331 Ash Street	1104 Iris Lane
335 Ash Street	1124 Iris Lane
342 Ash Street	

No Further Action recommendation (80 addresses)	
118 Banyan Drive	644 Dahlia Drive
126 Banyan Drive	646 Dahlia Drive
127 Banyan Drive	665 Camellia Drive
141 Laurel Bay Blvd	699 Abelia Street
151 Laurel Bay Blvd	744 Blue Bell Lane
224 Cypress Street	745 Blue Bell Lane
227 Cypress Street	751 Blue Bell Lane
257 Beech Street	762 Althea Street
264 Beech Street	765 Althea Street
265 Beech Street	766 Althea Street
275 Birch Drive	767 Althea Street
277 Birch Drive	768 Althea Street
297 Birch Drive	769 Althea Street
301 Ash Street	819 Azalea Drive
306 Ash Street	840 Azalea Drive
310 Ash Street	878 Cobia Drive
313 Ash Street	891 Cobia Drive
315 Ash Street	913 Barracuda Drive
316 Ash Street	916 Barracuda Drive
319 Ash Street	923 Wren Lane
320 Ash Street	1004 Bobwhite Drive
321 Ash Street	1022 Foxglove Street
329 Ash Street	1031 Foxglove Street
332 Ash Street	1061 Gardenia Drive
333 Ash Street	1064 Gardenia Drive
341 Ash Street	1067 Gardenia Drive
347 Ash Street	1077 Heather Street
378 Aspen Street	1081 Heather Street
379 Aspen Street	1101 Iris Lane
382 Aspen Street	1105 Iris Lane
394 Acorn Street	1142 Iris Lane
400 Elderberry Drive	1146 Iris Lane
432 Elderberry Drive	1218 Cardinal Lane
436 Elderberry Drive	1240 Dove Lane
482 Laurel Bay Blvd	1266 Dove Lane
517 Laurel Bay Blvd	1292 Eagle Lane
586 Aster Street	1299 Eagle Lane
632 Dahlia Drive	1302 Eagle Lane
639 Dahlia Drive	1336 Albatross Drive
643 Dahlia Drive	1351 Cardinal Lane