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 SUMMARY REPORT
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9324 Virginia Avenue Norfolk, Virginia 23511-3095

Prepared by:



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

**Contract Number: N62470-14-D-9016** 

CTO WE52

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Appendix D

Appendix E

Appendix F

Appendix G

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**UST Assessment Report** 

Regulatory Correspondence



## **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 biannual 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

- Marine Corps Air Station Beaufort, 2011. South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report 766 West Althea Street, Laurel Bay Military Housing Area, February 2011.
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- United States Army Corps of Engineers, 2003. Results of Monitoring Well Replacement and Sampling to Append Biannual Sampling Report for 766 Althea Street USTs, Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, South Carolina, February 2003.
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#### 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

		Results Samples Collected 06/28/99										
Constituent	SCDHEC RBSLs (1)	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 A	Analyzed by EPA Method 826	OB (mg/kg)		L			L	I.	L	I.		
Benzene	0.003	0.0079	ND									
Ethylbenzene	1.15	0.1566	ND									
Naphthalene	0.036	0.0237	ND									
Toluene	0.627	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total	13.01	0.3357	ND									
Semivolatile Organic Compou	nds 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:

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

<sup>(1)</sup> 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.

# 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

	(1)	Results Samples Collected 08/11/99 and 08/12/00								
Constituent	SCDHEC RBSLs (1)	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)	<b>!</b>							
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 Ana	lyzed by EPA Method 827	70D (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:**

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

<sup>(1)</sup> 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).

# 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/I	L)	5	700	25	1000	10,000	10	10	10	10	10
Well ID	Sample Date										
	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
766-GP-1	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
700-GF-IK	6/22/2003	0.28	0.27	16.8	ND	1.91	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
766-GP-2R	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
	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
766-GP-3	4/24/2001	ND	ND	5.2	ND	ND	ND	ND	ND	ND	ND
700-GF-3	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
	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
766-GP-4	4/24/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
700-GP-4	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
	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
766-GP-5	4/24/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
700-GP-5	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

<sup>(1)</sup> 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

## 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 Analyz	ed 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 A	nalyzed 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:**

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

<sup>(1)</sup> 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).

## 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 <sup>(2)</sup>	Results Sample Collected 11/18/15
Volatile Organic Compounds Analyze	d 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 And	alyzed by EPA Method 82	270D (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:

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

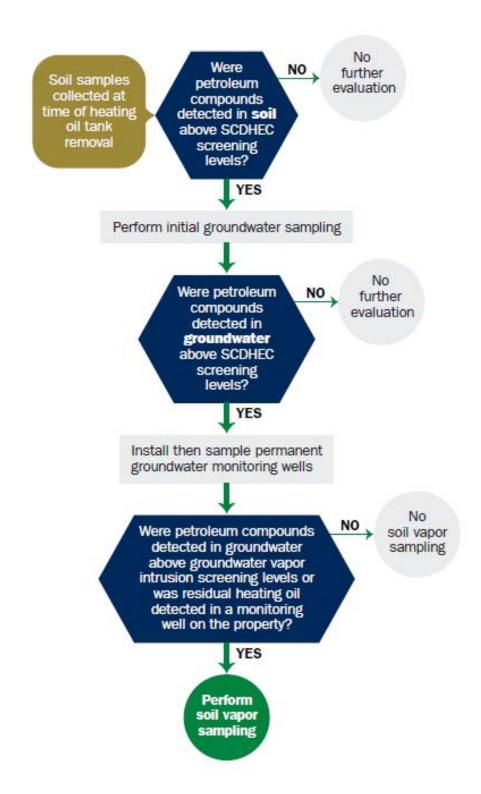
VISL - Vapor Intrusion Screening Level

<sup>(1)</sup> 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).

<sup>(2)</sup> 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<sup>-6</sup>, 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.

## Appendix A Multi-Media Selection Process for LBMH





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

## Appendix B Laboratory Analytical Reports – Soil – Initial Assessment Investigation





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

## ANALYTICAL REPORT

"SACE-SAVANNAH DISTRICT 8995 "ARK HARVISON 100 WEST DGLETHORPE AVE SAVANNAH, GA 31402

Project:

Project Name: LB 766 Bampler: MB/SW/HT Lab Number: 99-A96315 Sample ID: 766-SS-1-6-99

Sample Type: Soil

Site ID:

Date Collected: 8/28/99 Time Collected: 14:30 Date Received: 6/29/99 Time Received: 9:00

			Report	2030	3(1					
malite	Result	Bast's	Tinit	Limit	Factor	Date	Tine	Analyst	Method	Bato
			*****		-					
EXTRACTALLE DEGAMICS*										
cenaphthene	ND	da/ko	7 434	0,330	1	7/ 7/99	4: 03	n. Cobb	3270C	3351
cenaphthulene	HD	He/ka	2 434	0.330	1	7/ 7/99	4: 03	n. Cost	3270C	3351
athracese	ND	mg/kg	0.434	7.330	1	7/ 7/99	4: 03	M. Cobb	3270C	3351
enzo(a)anthracene	305	44/64	1.434	3. 450	1	7/ 7/99	4:03	M. Cobb	8270C	8351
erzoia) purene	2D	-n/ka	3.414	3, 320	1	7/ 7/99	4:03	n. Cobb	3270C	3351
enzo(b) Fluoranthene	20	10/k 2	0.434	7, 330	1	7/ 7/99	4:03	n. Cobb	3270C	3351
enzolg,h,i:perglene	-{{L}	ng/kg	1.434	3. 330	4	7/ 7/99	4:93	M. Cobb	8270C	8351
enzo(k)fluoranthene	30	marks	4.434	3,350	1	7/ 7/99	4:03	ff. Cobb	9270C	8351
-Promoshenulphenulethe:	YD OF	ne/ko	9, 434	0.330	1	7/ 7/99	4: 83	T. Cobb	3270C	3351
obgloenzylphthalate	NO.	mg/ks	3, 434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
erbazole	40	49/89	9, 434	3.350	1	7/ 7/99	4: 03	H. Cabb	3270C	3351
-Chloromethalphenol	119	79/101	3 434	0.880	4	7/ 7/99	4:93	a. Cobb	8270C	8351
-Chlorozailine	49	THE	3, 434	0.550	1	7/ 7/99	1:93	M. Cubb	8270C	8351
:502-Chloroethoxy/methane	10	tarko	0.434	0.338	1	7/ 7/99	4:03	M. Cobb	3270C	3351
CECZ-Calornethyl)ether	40	na/ka	1.434	2. 350		2/ 7/99	4:03	M. Cobb	9270C	8351
is(2-Chloroisapropyl)either	HO	au/ka	0.434	1.330	1	7/ 7/99	4:03	M. Cobb	3270C	8351
-Chloren johthalene	HO	ng/ka	5,434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
-Chloroppenol	35	no/ka	0.434	0.330	1	7/ 7/99	4:03	n. Cobb	8270C	8351
-Chloropaenylohenulether	389	Ha/Fa	0.434	3. 950	1	7/ 7/99	4:03	H. Cobb	9270C	8351
rysene	ND	H9/51	1.434	0.330	1	11 7/99	4:03	H. Cobb	8270C	8351
. benzo-uran	ND	-g/ks	0. 434	0.330	1	7/ 7/99	4: 03	H. Cobb	3270C	3351
ibenz(1,3)anthraceae	HD	na/los	0.434	9.950	1	7/ 7/99	4:03	M. Cobb	8270C	8351
2-Bicalorobeagene	105	nacky	0.434	7.330	1	7/ 7/99	4:03	n. Cobb	9270C	8351
3-Dicalorobenzene	dh.	10/kg	3,434	3.330	1	7/ 7/99	4: 03	M. Cobb	3270C	3351
.4-Dichlorobenzene	MD	-g/kg	0.434	0.330	1	7/ 7/99	4: 03	n. Cobb	3270C	3351
.5'-Bichloropenziciae	HO 0H	narka	9.868	0.660	1	7/ 7/99	4:03	ff. Cobb	S270C	8351
.4-Oicalorophanol	NO.	na/ka	3.434	0.330	1	7/ 7/99	4:03	a. Cobb	9270C	8351
iethylohthalate	WD OK	19/kg	0.434	0.230	1	7/ 7/99	4:03	n. Cobb	8270C	8351
.4-Oinethulamenol	40	na/ka	11.434	5. 330	1	7/ 7/99	4:03	M. Cobb	3270C	8351
inethylpathalite	MD	ng/kg	9.434	0.350	1	7/ 7/99	4:03	ff. Cobb	6270C	8351
i-a-butqlphthalate	AD.	na/ka	0.434	0.350	1	7/ 7/99	4:03	n. Cobb	8270C	8351
.6-Dimitro-2-mechylphenol	MD CH	ng/ko	1.07	0.825	1	7/ 7/99	4: 03	n. Cobb	3278C	3351
a-Dinitrophenol	40	Hq/kq	1.09	0.625	1	7/ 7/99	4:03	H. Cobb	9270C	8351
.d-dinitrotoluene	40	Ha/ka	0.434	0.620	1	7/ 7/99	4:03	n. Cobb	8270C	8351
6-01nstrotoluene	KD	ng/kg	0.434	7. 550	1	7/ 7/99	4:03	n. Cobb	8270C	8351



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## ANALYTICAL REPORT

Laboratory Number: 99-A96315 Sample ID: 766-55-1-6-99

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nalute	Result	Haits	Report	Quan Linit	Dil Factor	Date	Time	Contuct	Matted	Bate
					( accor	0466	1 The	Analyst	Method	8400
/i-a-octglobthalate	HD	toway.	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	6351
Tueranthene	30	ma/ke	0.434	0.330	1	7/ 7/99	4: 03	M. Cobb	3270C	8351
luorene	HD	#6/kg	0.414	0.330	1	7/ 7/99	4: 83	n. Cobb	3270C	8351
exachiorobenzene	340	nu/kg	0.434	1. 530	1	7/ 7/99	4:03	M. Cobb	8270C	8351
exacalorobutadiene	HD	5078 1	0.434	0.330	1	7/ 7/99	4:03	M. Cobb	8270C	8351
Exachiorocyclopentagiene	40	na/ka	5 434	3, 330	1	7/ 7/99	4: 03	n. Cobb	3270C	3351
executoroethane	30	10/kg	5, 434	0.330	1	7/ 7/99	4: 03	n. Cobb	3270C	8351
idenci.2,5-od/nurene	19	na/ks	3, 434	3. 330	2	7/ 7/99	4:83	A. Cobb	8270C	8351
soshorone	HO	13/kg	5. 434	0.330	1	7/ 7/99	4: 03	M. Cobb	3270C	8351
-Methylnaphthalenc	AD	14/60	3. 434	9, 330	1	7/ 7/99	4: 03	M. Cobb	3270C	3351
-Methylphenol	30	ancha	0.434	0.350	4	2/ 7/99	4:03	M. Cobb	8270C	8351
.p-Methylphenol	HD	49/1:0	3.434	0.330	1	7/ 7/77	4:03	M. Cobb	3270C	3351
aphthalene	HD CH	39/k2	3. 434	0.330	1	7/ 7/99	4: 03	n. Cobb	3270C	3351
-Witrosmilias	45	ne/ka	1.09	5. 325		77 7/99	4: 03	n. Cobb	3270C	3350
-Mitroansline	40	*9/kc	1.07	1. 325		7/ 7/99	4:03	n. Cobb	3270C	3350
-Hitroaniline	40	ngrke	1.09	9.625	*	1/ 7/99	4:03	n. Cobb	8270C	835
itrobenzene	MD	74/14	2.434	0.338	7	77 7799	4:03	n. Cobb	8270C	835
-Hitrophenol	<b>30</b>	-orko	2. 434	5, 330		7/ 7/99			3270C	333
-Witroppenel	40	16/ka	1.09	0. 325	Ž.		4: 03	n. cobb		335
-nitrosoui-a-propulanine	40		1.414	0. 330		7/ 7/99	4: 83	n. Cobb	3270C	
-nitrocouphenglanine	40	tlarks ter/ks			-	1.4. 11.0.	4:03	M. Cobb	8270C	835
Sucscylorobbead; milie	4D		5, 434	0.370	:	7/ 7/99	4: 03	n. Cobb	3270C	333
henanthrene	10	13/kg	2.09	0.325	1	7/ 7/99	4.03	it. Cobb	3270C	835
benci	42	ng/kg	0.434	0.330	4	7/ 7/99	4: 03	M. Cobb	8270C	335
	43	TAKE:	5.434	1.350	2	7/ 7/99	4:03	ff. Cobb	8270C	835
urane		right:	0.414	1.330	3	7/ 7/99	4:03	M. Cobb	8270C	835
(s(Z-echylkexyl)phthalate	ND.	narks	7.434	9.538	1	7/ 7/99	4:03	M. Cobb	8270C	835
7,4-Trichlorobenzene	MD	:0/k0	0, 439	0.330	4	7/ 7/99	4: 03	n. Cobb	3270C	335
.4,5-Trichlorophenol	40	nacka	2.09	9.825	1	1/ 7/99	4:03	M. Cobb	8270C	835
.4,6-Trichlorophenol	ND	44/84	3, 434	0.330	-	11 7/99	4:03	M. Cobb	6270C	6357
-VOLATILE DESAMICSM										
detolle	39	ny/kg	0.0132	0.0100	1	1/ 4/99	13:39	S. Wani	82606	854
crolein	10	ug/ka	0.0132	9. 0100	1	7/ 4/97	13: 37	I. Hani	3280B	334
arglonitrile	40	Harks	7.0132	0.0100	1	7/ 4/99	13.39	S. Wani	5260A	854
Ausado	9.0079	na/ka	0.0026	7.0020	1		13: 39	S. Mane	9260B	8544
romobenzehe	ND	ne/kg	0.0026	a. 0 <b>020</b>	1	7/ 4/97	13: 37	J. Hanl	3260D	324
ronochloromethane	KD	norke	0.0026	0,0020		7/ 4/99	13: 37	I. Hant	3260H	354
roneform	#D	darka	0.0026	9, 9920	- 1	7/ 4/99	13: 39	S. Hani	3260T	354
romonethane	40	Hq/kg	0.8026	0.0020	1	7/ 4/99	13: 37	S. Hani	3260R	334
'-Butanune	AC.	Harka	7.9132	1.0100	1	7/ 9/99	13: 39	3. Hani	6260B	654
Gutylbenzege	HD	ng/kg	0.0026	0.0020	ž.	7/ 4/99	13: 39	S. Want	82608	854
ro-Dutulbenzene	HD	ng/kg	0.0026	0.0020	1	7/ 4/99	13: 37	E. Hanl	32600	334
-Instalbenzene	HD	Hq/kq	0.0026	0.0020	1	7/ 4/39	13: 37	S. Hani	3260R	3544
arbon disulfide	AD.	H9/44	0.0026	0.0020	1	7/ 4/99	13: 39	3. Wani	8260B	8544



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## ANALYTICAL REPORT

Laboratory Number: 99-A96315 Sample ID: 766-55-1-6-99

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intime.	Marie Control		Report	Ausn	011	4.00	4.1.1	1768.2	1 2 2 2 3	220
nalybe	Sesult	Halts	-inst	Linat	Factor	Date	Tine	Analyst	Method	Batci
arbon tetrachloride	49	ng/kg	9.0026	0.0020	2	7/ 4/99	19:39	S. Wani	82608	8544
Morobenzene	40	na/ka	0.0028	7.6920	1	7/ 4/99	13: 39	3. Wani	9260B	8544
Aloroechane	40	44/h;	1.0025	0.0020	1	7/ 4/99	13: 37	T. Want	5260B	6544
-Chloroethulvinulether	40	nuing	7 3026	6.0328	1	7/ 4/99	13: 37	3. Wani	8260B	8544
aloroform	· ID	zaeka	0.0026	9,9020	1	7/ 4/99	13: 57	3. Wani	82608	8544
Tioromethane	40	na/ka	3,0026	0.0020		7/ 4/99	15:39	3. Wani	82608	8544
-Chlaratoluese	40	74/94	9,0026	3,0020	1	7/ 4/99	13: 39	G. Mani	82608	6544
-Chlorocoluese	-10	ngrka	7.8026	2.0020	3	7/ 4/99	13: 37	3. Hani	8260B	8544
.2-Dibrono-i-chloroprosane	(D)	mark a	0.0132	5.0100	2	17 4/99	13:39	3. Kani	62608	8544
ibronochloromethane	15	HQ/ko	0.0075	0.0070	1	7/ 4/99	13:37	Insk .Z	32600	8544
.2-Dibroncethame	30	au/kc	0.0076	0.0020	1	7/ 4/79	13:39	S. Wani	3260B	8344
ibronomethame	45	HW41	9.0026	0.0020	1	7/ 4/99	13:39	3. Hani	82608	8544
.4-Dichloro-2-buteme	110	no/ko	0.0028	G. 0020	:	77 4/99	13: 39	S. Wani	3260B	3544
,2-Dichlorobenzene	25	09/3:2	3.0076	0.0020	1	7/ 4/99	13:37	S. Wani	8260E	3544
.3-Dichlorobenzene	NO	na/kg	0.8875	3 0020	1	7/ 4/99	13: 39	5. Hani	3260B	3544
.4-Dicalorobenzene	10	ng/kg	0.8026	0.0020	1	7/ 4/99	13:39	3. Mani	32608	8544
ichlorodifluoromethame	40	na/ka	9.0026	0.0020	1	7/ 4/99	13:39	. Wani	32608	8544
1-Dichloroethana	AD.	ngeha	2.0026	0.0020	1	7/ 4/99	13:39	3. Mani	82608	8544
. Z-Cichloroethane	HB	mi/kg	3.0026	3.8020	1	7/ 4/99	13:39	I. Hani	82608	8544
i-Dichloroethene	He	Harries.	3.3026	0.0020	1	7/ 4/99	13:39	3. Wani	82606	8544
5-1.2 Dicklorgethene	30	milki	0.0026	1.3020	1	7/ 4/99	13:39	3. Hani	82608	8544
73ns-1.2-Dichlorocthene	:3	durka	1 0026	2,0020	1	7/ 4/99	13:37	S. Nani	3260B	3544
.1-Dichloropropane	ND.	73/kg	0.0078	0.0020	1	7/ 4/99	13:37	S. Mant	32600	3544
-3-Dicaioregrapace	-10	=4/kg	0.0026	0.0020		7/ 4/99	13:39	3. Mani	82608	8544
.2-Dicalorcoropane	TD.	ng/kg	3.8026	3.9929	1	7/ 4/99	13:39	S. Hani	82608	8544
1-Dichloropropene	4D	na/kg	0.0028	0.0020	1	77 4/99	13: 37	S. Nani	3260B	3544
is-1,3-Dichloropropene	HD	39/kg	G. 0026	0.0020		7/ 4/99	13:37	S. Wani	32600	3544
rans-1,3-Dichieroprotese	+0	mg/kg	3. 8826	0.0020	1	7/ 4/99	13: 39	S. Wani	3260R	3544
thulbenzese	3. 1586	-erko	0.0026	0.0020	1	7/ 4/99	13: 37	insk 2	32608	3544
exachlorobutadiene	<b>#D</b>	Hq/ka	0.0025	0.0020	1	7/ 4/99	13: 39	S. Hani	3260D	3544
Hexanone	HD.	ng/ka	3.0132	9, 9100	1	7/ 9/99	13: 39	S. Wani	82600	8544
odonethave	MD.	ng/kg	0.0026	0.0020	1	7/ 4/99		Z. Hani	3260E	3544
Sopropylaenzene	0.0191	ngeka	0.0026	0.0020	1	7/ 4/99	13:39	S. Want	8260B	8544
-Iscorpoultaluene	0.0095	ng/kg	0.0025	0.0020	1	7/ 4/99	13:39	S. Wani	82608	8544
ethyl methacrylate	MD	ng/ks	3.0088	0.0050	1	7/ 4/99	7:10	K. Hill	3250B	3816
-Methyl-2-pencanone	HD CH	ng/kg	9.0132	9.0100	-	7/ 4/99		S. Wani	82608	8544
ethulene chioride	49	mg/kg	0.0132	0.0100	1	7/ 4/99		S. Mani	82608	8544
aphthalene	0.0237	ag/kg	0.0026	0.0020	1	7/ 4/99		S. Hani	3260B	3544
-Prosylbenzene	0.8125	ng/kg	0.0026	0.0020	1	7/ 4/99		S. Hani	32600	8544
tyrene	30	ng/ka	0.0028	0.0020	1	7/ 4/99		S. Wani	82608	8544
,1,1,2-Tetrachloroethane	10	ng/kg	0.0026	3.0020	1	7/ 4/99		S. Wani	62608	8544
.1,2.2-Tetrachloroethane	ND	Hq/ka	0.0026	3.0020	i	7/ 4/99		S. Hani	8260B	8544
etrachioroethene	AD.	Harks	0.0026	3.0020	1	7/ 4/99	13: 37	S. Mani	3260B	3544
cluene	HD	Hq/ko	0.0026	0.0020	1	7/ 4/99		S. Wani	3260K	3544



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

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malete	Result	Units	Report Limit	Clust	Bil Factor	Date	Tine	Analyst	Method	Datch
	**********			*****		~******				
2,3-Trichlorobenzene	30	.c/ko	0.0026	0.0020	1	7/ 4/99	13: 39	S. Nagi	8260D	3544
2,5-Trichlorobenzene	40	ng/kg	3.0026	0.0020	1	7/ 4/99	13: 37	S. Wani	3260R	3544
1,1-Trichloroethane	HD	30/k3	0.0028	0.0020	1	7/ 4/99	13: 37	S. Wani	3250D	3544
1,2-Trighloroethane	40	=qekq	7.0026	3.0020	1	7/ 4/99	13:39	S. Wani	82608	8544
TichLoroethese	Are	-1.744	5. 3028	5,0020	I	11 4/99	13:39	3. Wani	6260B	8544
1,3-frichloropropane	45	-402;	1.8028	4.0020	2	1/ 4/99	13:39	3. Wani	8268B	5544
1,4-Trimethylbenzena	1.1694	out ha	0.0028	3,0020	1	7/ 4/99	13:39	S. Wani	82608	6544
1,5-Trimethqlbenzene	3.8436	79/6.1	3.9026	0.8020	1	7/ 4/99	13:39	S. Mani	92608	8544
angl acerate	do	nu/ka	1.0132	0.0100	2	11 4/99	13:39	S. Nani	82608	8544
ingl chloride	ND.	darka	0.00Zá	0.0020	1	7/ 4/99	13: 39	S. Wani	3260R	3544
glenes	9.3357	18/48	0.0026	9.0020	1	7/ 4/99	13: 39	S. Wani	3260B	3544
ronodichloromethane	HD.	ng/ke	0.0028	0.0020	*	7/ 4/99	13: 37	S. Wani	3260B	3544
richlorofluoronethane	HD CE	19/64	3,0076	U. GUZG	1	7/ 4/99	13: 39	S. Wani	3260B	8544
1ethyl-t-butyl ether	HD.	agriko	0.0132	3.0050	:	7/ 4/99	13: 37	S. Wani	3260R	3544
-GENERAL CHEMISTRY PARAME	TERSK									
Dry Weight	75.	8			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

of = not detected at the report limit.

anole Extraction Data

-pranetor	St/Vol Extracted	Extract Vol	ste	Analust	fethod
rwa's	30.0 gm	1.0 mi	7/ 2/99	Fitzwater	3550
Folatile Greanues	5.0 e	5.0 ml	5/33/99	Wanı	5035

urrosate	4 Recovery	Target Range
	*********	**********
urr-1,2-Dichloroethane, 39	110.	43 180.
orr-Tolumee do	76.	79 129.
orr-4-Gronofluorobenzene	89.	59 135.
orr-Dibromofluoromethame	23	42 135.
urr-ditrobenzene-65	43.	20 110.
err-i-fluorobiphenyl	69.	18 110.
orr-Terphenul 314	70.	27 123.
urr-phanol d5	÷2.	10 111.
orr-2-Fluorophenol	43.	10 107.
irr-2,4,6-Tribromophenol	71.	14 110.



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#### ANALYTICAL REPORT

Laboratory Number: 99-A96315 Sample ID: 766-85-1-6-99

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ill samples have been corrected for org weight.

Report Approved By:

Report Date: 7/ 8/99

Theodors G. Duello, Ph.D., Lab Director Michael H. Dunn, M.S., Technical Director Johnnu B. Titchell, Dir. Technical Services Eric Emith. Assistant Technical Director Mail A Lage: Jechnical Services

Laboratory Cartification Number: 387



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 DOLETHORPE AVE SAVANNAH, GA 31402

Sec 16c2.

Project Name. LE 765 Sampler MB/SW/HT Lab Number: 99-A96313 Sample ID: 766-SS-2-6-99

Sample Type: 5011

Sita ID:

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

			Report	2030	Dil					
nalyte	Result	init:	Limit	Linit	Fictor	Date	Tine	Analyst	Nethod	Gate
**********				*****					Openie.	****
EXTRACTABLE DESAMICSM										
cenaphthese	HD	ng/kg	0.418	0.330	1	7/ 7/99	1; 30	n. Cobb	3270C	3351
cenaphthylene	HD GH	13/kg	6. 413	0.330	2	7/ 7/99	1: 30	n. Cobb	3278C	3351
ethracese	550	hq/ka	0.413	0.330	1	7/ 7/99	1:30	n. Cobb	3270C	3353
(enzo(a)anthracene	RD	ng/kc	3. 418	0.330	1	7/ 7/99	1:30	n. Cobb	3270C	3351
enzo(a)pyrene	HO	marks.	1.416	9. 330	1	71 7/99	1:30	M. Cabb	8270C	8351
anzo(b)fluoranthene	HD	na/ka	7, 418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	8351
enzo(g,h,i)perviene	40	19/KD	5, 418	0.330	1	7/ 7/99	1: 30	n. Cobb	3270C	3351
emzo(k) Fluoranthene	HD	ne/ke	5, 418	3.330	1	7/ 7/99	1:30	n. Cobb	3270C	3351
-Bromoohengiphenglether	H0	marka	3.418	0.330	1	7/ 7/99	1:30	M. Cabb	8278C	8351
utylbenzylphthalate	HD	ng/kg	9.418	0.330	1	7/ 7/99	1:30	H. Cobb	8270C	8351
arbazote	<b>40</b>	with a	0.416	0.330	1	7/ 7/99	1:30	n. Cobb	8278C	8357
-Chloro-:-methylphenol	HD GH	-0/ks	0.413	0.330	1.	7/ 7/79	1:30	M. Cobb	3270C	3351
-Chlaraaniline	HO	rucka.	7.418	0.930	1	7/ 7/99	1:30	M. Cobb	8270C	8351
is(2-Chiorostnoxy)methane	HO	ngeka	0.428	0.350	1	7/ 7/99	1:30	M. Cobb	8270C	8351
is(2-Chloroethyl)ether	'HD	na/kg	9.418	0.330	1	7/ 7/99	1:30	7. Cobb	8270C	8351
1512-Chloroscopropul)ether	ND	na/ko	0.413	0.330	1	7/ 7/99	1:30	H. Cobb	3270C	3351
-Chlorenaphthalene	HD	Ha/ka	3, 418	0.330	1	7/ 7/99	1:30	M. Cobb	8270C	3351
-Chloropaenol	KD	19/29	0.418	0.990	1	7/ 7/99	1:30	M. Cabb	3270C	835
-Chlorophenulphenulether	HD	ng/ko	0. 418	0.330	1	7/ 7/99	1: 30	n. Cobb	3270C	3351
arusene	30	Sq/kg	0.413	0.330	1	7/ 7/99	1:30	n. Cobb	3270C	3351
ibenzoruran	RD	nu/kg	0.418	0.330	1	7/ 7/99	1:30	n. Cobb	8270C	8351
ibenz(i.h/inthracene	ND	ng/kg	0.418	0. 930	1	7/ 7/99	1:30	M. Cabb	8270C	8351
.2-Dicalorobeazeae	HD	HAZKA	9.418	9.330	1	7/ 7/99	1:30	ff. Cobb	8278C	8351
.3-Dichlorobenzene	ND	no/ko	0.413	0.330	1	7/ 7/99	1: 30	M. Cobb	3270C	3351
4-Dichlorobenishe	HD	ng/kg	0.413	0.330	1	7/ 7/99	1:30	n. Cobb	3270C	3351
.3'-Gichlorobeazidine	30	Ha/ka	1.835	0.660	1	7/ 7/99	1:30	n. Cobb	8270C	835
.4-Gichlorophenol	40	no/kg	9.418	0 330	1	7/ 7/99	1:30	n. Cobb	8270C	8351
iethulphthalate	ND	Ha/ka	0. 418	0.330	1	7/ 7/93	1:30	n. Cobb	3270C	3351
4-Dimethulphenol	HD	ng/kg	0.418	0.330	1	7/ 7/99	1: 30	n. Cobb	3270C	3351
inethylpathalate	HD	nacka	0.418	0.330	1	7/ 7/99	1:30	a. Cobb	8270C	8351
i-n-butylphthalate	30	ng/kg	3.418	0.330	1	7/ 7/99	1:30	n. Cobb	8270C	8351
6-Dimitro-7-methylphenol	HD	Ha/ka	1.84	0.825	1	7/ 7/99	1: 30	n. Cobb	3270C	8351
4-Dinitrophenoi	40	ng/kg	1.94	0.825	1	7/ 7/99	1:30	ff. Cobb	8270C	8351
.4-dinitrotoluene	HD	ng/kg	0.418	0.930	1	7/ 7/99	1:30	n. Cobb	8270C	8351
5-Dinitrotoluena	NO	19/kg	0.418	0.330	1	7/ 7/99	1: 30	M. Cobb	6270C	8351



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## ANALYTICAL REPORT

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

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calife	Result	Units	Report	Linit	Fictor	Date	Tine	Analyst	nethod	Batci
):-n-octylphthalate	но	ng/ka	0.413	0.330	1	7/ 7/99	1: 30	H. Cobb	3270C	8351
luaranthese	-tD	ng/ka	0. 413	0.330		7/ 7/99	1: 30	fi. Cobb	3270C	3351
luorene	HO	agrko	0.413	9. 330	1	7/ 7/99	1:30	fi. Cobb	3270C	3351
exachiorobenzene	<b>#D</b>	ng/ko	6, 413	0.330	i.	7/ 7/99	1: 30	n. Cobb	3270C	3351
exachioroputadiene	HD	Harks	9.418	0.350	1	7/ 7/99	1:30	A. Cobb	8270C	6351
exactionocyclopentadiene	40	og/ke	3.410	3 330	î	7/ 7/99	1: 30	ff. Cobb	3270C	3351
exachioroethane	4D	19/46	2 413	0.330	1	7/ 7/99	1:38	n. Cobb	3270C	8351
ndenos1,2,3-odipyrene	HQ.	14/14	0.419	0.330	1	7/ 7/99	1:30	a. Cobb	8270C	8351
sopharane	HO	ngska	3.418	3.330	i	7/ 7/99	1:30	a. Cobb	8270C	8351
-Methyinaphthalene	HD	HQ/KG	0.418	0.330	1	7/ 7/99	1. 30	M. Cobb	3278C	3351
-Methylphenoi	SID.	ng/kg	0.418	0.330	1	7/ 7/99	1:30	n. Cobb	3270C	3351
.p-Methylphenoi	TD	ng/ka	0.418	0.330		7/ 7/99	1:30	n. Cobb	8270C	8351
laphthalene	HD	nacka	2.418	0.330	1	7/ 7/99	1:30	7. Cobb	8270C	8351
-Hitroaniline	HD	na/ka	1.04	0.825	•	7/ 7/99		23 9555		8351
-Hitrosniline	40						1:30	2,2,2,2,2	3270C	
-Hitroansline	ND	ng/kg	1.04	0. 323	4	7/ 7/99	1:30	A. Cobb	3270C	3351
(itrosenzene		Hg/kg	1.64	0.375	1	7/ 7/99	1:30	n. Cobb	3270C	3351
12 21 2 2 2 1 2 1 2 1 2 1	HD.	ng/kg	3, 418	0.530	2.	77 7799	1:30	M. Cobb	8270C	8351
-Hitrophenol	AD	ag/kg	0.413	9 330	*	7/ 7/99	1: 30	n. Cobb	3270C	3351
-Hitrophenol	110	ng/kg	1.04	0 825	1	7/ 7/99	1: 30	7. Cobb	3270C	3351
-mitrosodi-n-propylanine	40	norke	0.418	5.330	1	7/ 7/99	1: 30	n. Cobb	3270C	3351
-nitrosouiphengianine	3D	19664	0.418	0,550	1	11 7/99	1:30	M. Cobb	8270C	8351
antachiorophenoi	40	narka	1.04	0.825	1	7/ 7/99	1.30	a. Cubb	8270C	8351
renanthrene	40	no/kg	5.418	0, 330	1	7/ 7/99	1: 30	n. Cobb	3270C	3351
'lenoi.	Alk	ngekg	11,418	0.330	1	7/ 7/99	1:30	n. Cobb	8270C	6351
rene	His	Hul/Ka	0.418	0 350	1	7/ 7/99	1.30	M. Cobb	3270C	8351
is(2-achglhaxgl)pAthalite	40	114/4.4	0.418	5.330	ι	7/ 7/89	1:30	n. Cobb	8270C	8351
2,4-Trichlorobenzene	AD.	marka.	9.418	0,330	1	7/ 7/99	1:30	n. Cobb	8270C	6351
.4,5-Trichlorophenol	HD Chi	ng/kg	1.04	0.325	1	7/ 7/99	1:30	M. Cobb	3270C	3351
.4,6-Trichlorognegol	40	ng/kg	0.418	3.330	2	7/ 7/99	1:30	n. Cobb	8270C	8351
WOLATILE DESANICS*										
metone	AD.	navior	9.0127	0.0160	1	7/ 4/99	12:32	3. Wani	82608	8544
oroleia	AD.	narka	0.0127	9,0100	7	7/ 4/99	12:32	2. Mant	8260B	8344
orgionitrile	4D	Harka	0.0127	0.0100	1	7/ 4/99	12: 32	2. Hani	3260A	3544
enzene	AD	ng/ka	0.0025	0.0020	i	7/ 4/99	12: 32	S. Hani	3260B	8344
тоновентене	40	ng/kg	0.0025	0.0020	1	7/ 4/93	12: 32	S. Want	32600	3544
ronochloromethane	HD.	nukc	0.0025	0.0020	1	7/ 4/99	12: 32	S. Hani	3260E	3544
reneform	#D	ne/kg	0.0025	0.0020	1.	77 4/99	12: 32	S. Hani	3260N	3544
romomethane	40	Hg/kg	3.0025	9,0020	1	77 4/99	17: 32	S. Hani	8260R	3544
-Dutanone	18	ng/kg	0.0127	0 0100	1	7/ 4/99	12:32	3. Hani	62608	8544
-Butulbenzene	30	ng/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	6260B	8544
ec-Butulbenzene	HD	ng/ke	0.0025	9.0020	1	7/ 9/99	12: 32	5. Heni	3260R	8544
-Nutulbenzene	90	HQ/kg	8.0025	0,0020	1	7/ 4/99	12: 32	S. Hani	3260B	8544
arbon disulfide	HD CH	Hq/kq	0.0025	0.0020	1	7/ 4/99		S. Nani	3260R	3544



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## ANALYTICAL REPORT

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

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nalyte	Result	Saits	Report	Linit	Dil Factor	Date	Tine	Analyst	nethod	Eatch
				3			4444			200
arbon cetrachloride	HD.	nacka	0.0025	0.0020	1.	7/ 4/99	12: 32	S. Want	82608	8544
Morobenzene	HD.	ms/k1	0.0025	0.0020	1	7/ 4/99	12:32	S. Mani	8260B	8544
bloroethane	40	ire/kg	0.0025	0.0020	1	7/ 4/79	12: 32	S. Wani	3260D	3544
-Chloroethulvinglether	355	10/kg	0.0025	0.0020	1	7/ 9/99	12: 32	S. Wani	82608	3544
Aloroform	10	Hark a	9.0025	0.0020	t	7/ 4/99	12: 32	3. Hani	5260B	8544
bloromethame	40	99/R2	3, 9025	2.0020	1	7/ 4/99	12:32	S. Went	3260R	3544
-Chlorotoluese	HD	10/kg	0.0025	J. 3026	1	7/ 4/99	12: 32	S. Wani	326DR	3544
-Chlorotoluese	40	ng/kg	0.0025	3.6028	1	7/ 4/99	17:32	S. Hani	82600	3544
.2-Dibrono-3-chiorogropace	ND	ag/kg	8.0127	9 0100	1	7/ 4/99	12:32	S. Hani	8260B	8544
ibromochloromethane	HB	ng/kg	9,0025	0.0020	1	7/ 4/99	12:32	3. Mani	8260B	8544
.2-0.6romethane	AB.	44/62	9.6025	0.0020	1	7/ 4/99	12: 32	S. Mani	8260B	8544
1 brononethane	HD	no/ka	9. 0025	0.0020	1	7/ 4/99	12: 32	S. Wani	8260R	3544
.4-Dichloro-2-butene	HD	Hg/ko	0.0025	0.0020	1	7/ 9/99	12: 32	S. Hani	3260D	3544
_2-Dichlorobenzene	40	=4/kg	9,0025	0.0020	1	7/ 4/99	12:32	S. Mani	82608	8544
3-Dichlorobenzene	MD	ng/kg	0.0025	0.0020	1	7/ 4/99	12: 32	3. Wani	8260B	8544
.4-Dichlorobenzene	40	ng/kg	9, 6025	0.0020	1	7/ 4/99	12: 32	S. Wani	3250K	3544
ichlorodifluoromethame	HD	nacka	0.0025	0.0020	1	7/ 4/99	12:32	S. Mani	82608	8544
,1-Dicalorcethane	49	ng/log	9,8025	0.0020	1	7/ 4/99	12:32	I. Want	52606	8544
.2-Dicalorcethage	80	ng/kg	0.0025	5.8026	1	1/ 4/99	12:32	J. Magi	9260B	8544
1-Dichleroethene	30	ng/ka	0.0025	5.0020	1	7/ 4/99	12:32	S. Wani	3269D	3544
s-1.2-Dichlorcethese	4D	ng/ke	0.0025	9 0020	1	7/ 4/99	12: 32	S. Hani	3260E	8544
rins-1.2-Dichloroethene	46	ngékg	0.0025	0.0020	1	7/ 4/99	12: 32	S. Want	6260D	8544
1-Disiloropropine	40	narka	9.0025	0.0020	1	7/ 4/99	12: 32	3. Mani	62600	8544
3-Dichleropropane	40	to/ko	0.0025	0.0020	1	7/ 4/99	12: 32	S. Wani	32608	8544
.2-Dicaloropropage	40	rg/kg	0.0025	0.0020	1	7/ 4/99	12: 32	S. Wani	32600	8544
1-Disaloropropene	<b>(B)</b>	na/ka	0.0025	0.0020	1	7/ 4/99	12:32	S. Wani	82608	8544
15-1.3-Dichloropropene	30	aq/ka	0.0025	9.0020	1	7/ 4/99	12:32	S. Want	8260B	3544
mans-1,3-Dichloropropese	3D	ng/kg	3.0025	0.0020	1	7/ 4/99	17: 32	S. Mani	32600	3544
thulbenzene	40	Ho/ko	0.0025	3.0020	1	7/ 4/99	12: 32	S. Wani	3250E	3544
exaculorobutadiene	10	narka	0.0025	0.0020	ī	7/ 4/99	12: 32	J. Want	8260B	8544
Нехалове	30	hg/kg	9.8177	0.9100	1	7/ 4/99	12: 32	S. Wani	3280T	8544
ponethane	140	no/ko	0.0025	0.0020	1	7/ 4/99		E. Hani	3260H	3544
sopropylbenzene	10	dq/ka	0.0025	0.0020	î	7/ 4/99	12: 32	5. Hani	3260D	3544
-Isopropyltaluene	40	ng/kg	0.0025	0.0020	1	7/ 4/99	12:32	S. Want	8260B	8544
ethul mechacrulate	HD OF	ngeka	0.0063	0.0050	1	7/ 4/99	9:10	K. Hill	8260B	8816
-Metagi-2-pentanone	HD.	ng/kg	9.0127	0.0100	1	7/ 4/99	12: 32	S. Wani	3260B	3544
ethylene chloride	30	19/kg	0.0127	0.0100	1	7/ 4/99	12: 32	S. Hani	3260B	3544
aphthalene	AD	Harka	0.0025	0.6020	1	7/ 4/99	12:32	J. Wani	3260B	8544
-Frequibenzene	40	ng/ka	3.0025	0.0020	i	7/ 4/99	12:32	S. Hani	8260B	8544
turene	HD	iig/kg	0.0025	0.0020	i	7/ 4/99	12: 32	S. Hani	3260B	3544
1,1,2-Tetrachloroethane	ND	50/kg	0.0025	0.0020	1	7/ 4/99	12: 32	S. Hani	3260E	3544
1,2,2-Tetrachloroethane	30	ng/kg	0.0025	8.0020	1	7/ 4/99	12: 32	5. Wani	3260E	3544
etrachloroethene	HB GH	ageka	0.0025	0.0020	1	7/ 4/99	12:32	J. Mani	8260B	8544
cluede	MO.	ng/kg	0.0025	0.0020	1	7/ 4/99		S. Mani	82608	8544



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## ANALYTICAL REPORT

Laboratory Number: 99-A96313 Sample ID: 766-55-2-6-99

Fage 4

nalyte	Result	Maits	Report	Limit	911 Factor	Date	Tine	Analyst	Nethod	Datch
% %-Talablemates	116	na D. a	0.0005	0.0000		77 1/00	12. 22	S. Wani	02/00	8544
2,3-Trichlorobenzene	HD	Hg/kg	0.0025	0.0020	1	7/ 4/99	12: 32	-,	8260E	-5531
2,4-Trichlorobenzene	HD.	1 <b>4/</b> kg	9.0025	0.0020	1	7/ 4/99	12: 32	3. Hant	82606	8544
.1,1-Trushloroethane	AD:	TH/KU	0.0025	0.0020	1	7/ 4/99	12: 32	Z. Mani	82608	B544
1,2-Tricaloroethame	HD.		3.9825	G. 0070		7/ 4/99	12: 32	Z. Mani	3260D	3544
Tichiorcethene	HD.	77/kg	7.8025	0.0020	1	7/ 4/99	12: 32	S. Hani	3260II	3544
I.E-Trickloropropage	30	40/14	0.0025	0.0020	1	1/ 4/99	12: 32	3. Wani	52608	8544
2.0-Trimethylbenzene	.162	market.	3.0025	0.0020	1	27 4/99	12: 32	S. Wani	82608	8544
3,5-Trimethyibenzeme	HD.	ngrka	5 0025	3.0078	1	7/ 4/99	12: 32	S. Hani	32500	3544
angl acetate	40	ngekg	7.0127	9.0100	1	7/ 4/99	12: 32	3. Mani	8260B	8544
inul chloride	NO.	ng/kg	1.0025	0.0020	1	11 4/99	12:32	S. Wani	82608	8544
inlenes	HD	marka	1.0025	3.0020	1	7/ 4/99	12:32	3. Mani	82606	8544
ronodichloronethane	HD	ng/kg	0.0025	5.0020	1	7/ 4/99	12:32	Z. Wani	3260B	8544
richloro-luoromethane	ND.	no/ka	3.0025	9.0020	1	7/ 4/99	12: 32	S. Wani	3760E	3544
Tethyl-t-butyl ether	30	ng/kg	0.6177	9.0050	1	7/ 4/99	17: 32	3. Wani	32600	3544
GENERAL CHEMISTRY PARAME	TERS*									
' Ore Weight	.3	*			1	7/ 6/99	17:11	M. Cauther	CLP	5848

## 0 = Not detected at the report limit.

## ample Extraction Data

	Mt/Vel				
raneter	Extracted	Estract Vol	ite	Analyst	nethod
HA's	30.0 gm	1.9 ml	7/ 2/99	Fitzuater	3550
'Slatil: Urçanics	5.0 g	5.0 11	A/30/99	5. Hani	2032

prregate	* Recovery	Target Range
To be take the set and an according to the last		
OFF-1,2-Dichloroethane, 4	101.	48 160.
urr-foluene 48	100.	79 119.
urr-4-Gronofluorobenzene	94	59 155.
urr-Dibronofluoromethane	75.	63 135.
orr-Hitrotenzene-d5	23.	20 110.
err-2-Fluorobiphenyl	52.	13 118.
err-Terphenyl d14	57,	27 128.
urr-Phenol 45	33.	10 111.
Grr-1-Fluorophenoi	55.	10 107.
irr-2,4,5-Tribronophenol	o.O.	14 110.





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## ANALYTICAL REPORT

Laboratory Number: 99-A96313 Sample ID: 766-E5-2-6-99

Page 5

-11 samples have been corrected for dry Height.

Report Approved Ey.

Report Date: 7/ 8/99

Theogore U. Duello, Ph.D., Lab Director Michael H. Yunn, M.S., Technical Director Johnny A. Mitchell, Dir Technical Services Eric Smith, Assistant Technical Director Gail A Lage, Technical Services

Laboratory Certification Number: 387



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

## ANALYTICAL REPORT

JEACE-SAVANNAH DISTRICT 9995 MARK MARVISON 100 WEST DGLETHORFE AVE SAVANNAH, GA 31402

Project"

Project Name: LB Tob Pampler: 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

			Report	Suan	Dil					
nalité	Result	Units	Linit	Linit	Factor	Cate	Time	Analyst	Metho4	Bate
	***************************************			*****						
EXTRACTABLE DREAMICS*										
cenaphthene	MD	ag/ks	0.407	0.330	4	7/ 7/99	5:58	M. Cobb	8270C	8351
cenaphthylene	3D	ng/ke	0.407	0.330	1	7/ 7/99	5:58	ff. Cobb	3270C	3351
nthracene	AD.	Hg/ke	0.407	0.330	1	7/ 7/99	5:58	n. Cobb	3278C	3351
enzo(a)aathracene	HD	ma/ka	0.407	0.350	1	7/ 7/99	5:58	M. Cobb	8270C	8351
enzot akporena	85	mu/ka	0.407	9.350	1	7/ 7/99	5:58	M. Cobb	8270C	8351
enzo(b)fluoranthene	HD CH	ne/ke	0.407	3.330	1	7/ 7/99	5:58	n. Cobb	3270C	3351
enzo(q, a, i) pergiene	86	na/ki	0.407	0.250	1	7/ 7/99	5:58	a. Cobb	3270€	8351
enzoik)fluoranthene	103	nacks	0.407	0.350	1	7/ 7/99	5:56	n. Cobb	8270C	8351
-Kromophenulphenulether	HD	Bo/ka	3, 407	8.338	1	7/ 7/79	5: 58	II. Cobb	3270C	8351
utyltenzulphthalate	HD.	34/kg	0.407	0.330	1	7/ 7/99	5:58	ff. Cobb	8270C	8351
arbazote	NO	nu/la	0.407	0.330	1	7/ 7/33	5:58	n. Cobb	3270C	3351
-Chloro-i-mechalphenol	15	na/ka	9, 407	0.330	1	1/ 7/99	5:58	M. Cobb	8270C	8351
-Chlerosailine	HD.	08/12	0. 407	0.330	1	7/ 7/99	5:58	n. Cobb	3270C	8351
us(2-Chloresthoxy)methane	AD.	10/k3	3.407	3.338	1	7/ 7/99	5: 58	M. Cobb	3270C	8351
is(2-Chloroethui)ether	No	he/ke	0.407	0.330	1	7/ 7/99	5:58	ff. Cobb	8270C	8351
is(2-Chloroisopropyl)ether	90	ng/ka	0.407	3.330	1	7/ 7/99	5:58	M. Cobb	82700	8351
-Chloroniohthalene	ND.	na/ka	0.407	0.330	1	7/ 7/99	5:58	it. Cobb	8270C	B351
-Chloropnenol	<b>40</b>	na/ka	0.407	0.330	ī	7/ 7/99	5:58	T. Cobb	8278C	8351
-Chloropperulphonulether	40	na/ko	J. 407	9.330	1	7/ 7/99	5:58	n. Cobb	3270C	8351
Wrusase	29	n4/24	0.407	0.358	1	7/ 7/99	5:58	M. Cobb	8270C	6351
/Lbanzoruras	KD.	no/kg	0.407	6.330	1	7/ 7/99	5:58	n. Cobb	8270C	8351
libenzia, alantaracene	ND.	ng/ko	0. 407	0.330	1	7/ 7/99	5:58	n. cobb	3270C	3351
.2-Dichlorobenzane	KD	ag/kg	0.407	0.330	I	7/ 7/99	5:58	II. Cobb	8270C	3351
.3-Dicalurabenzene	HD.	no/ko	0.407	0.330	1	7/ 7/99	5:58	n. Cobb	3270C	8351
.4-Dichleresenzene	ND	Hq/ka	0.407	0.330	1	7/ 7/99	5:58	n. Cobb	3270C	3351
3'-Dichlorobenzimine	35D	ng/kg	0.315	0.660	1	7/ 7/99	5:58	ii. Cobb	3270C	3351
.4-Dichlurophenoi	98	Ha/ka	3,497	3.338	1	7/ 7/99	5:58	n. Cobb	82700	8357
dietholohthalace	HD	HO/KB	6. 407	0.330	1	7/ 7/99	3:58	n. Cobb	327BC	3351
.4-Dimethulphenol	KD.	isg/ka	0.407	9.330	i	7/ 7/99	5: 58	n. Cobb	8270C	8351
inethgipathalate	ND.	au/ka	9.407	0.350	1	7/ 7/77	5:58	n. Cobb	8270C	8351
i-n-butulph thalate	HD	ng/ka	0.487	U. 330	1	7/ 7/99	5:58	n. Cobb	3270C	3333
.6-Dinitro-2-methylphenol	30	ng/ka	1.02	3.825	1	7/ 7/99	5:58	n. Cobb	3270C	3353
.4-Dimitrophenoi	ND		1.02	0. 375	7	10.70,000,7,5%		OTON .	3270C	8351
4-minitrotoluene	NE	ng/ko	9.407	0.330	1	7/ 7/99	5:58 5:58	2446	8270C	8351
1.6-Diaitrotoluene	MB.	ng/kq	3000			1818 1141 1151		100 (00000)	8270C	8351
1.0 Ataticardinene	un	marka	0.407	0.350	1	11 7/99	5:58	it. Cobb	SZIUL	0221



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## ANALYTICAL REPORT

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

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inalgte	Result	Ualt:	Report	Clust	DII Factor	Date	Tine	Analyst	Method	Batci
					7 40001					
li-n-octylphthalate	ND	Hq/ka	0.407	0. 330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
lugranthese	KD	marke	0.407	3.330	1	7/ 7/99	5:58	M. Cobb	6270C	8351
luorene	AD.	ng/kg	0.407	0.350	1	7/ 7/99	5:58	n. Cobb	8270C	8351
exacalorobeazeae	HD	na/kg	0.407	7, 650	1	1/ 7/99	5:58	n. Cobb	8270C	8351
rexacniorobutadiene	#13	ng/ka	0.407	0.330	1	7/ 7/99	5:58	M. Cobb	8270C	8351
lexachicrocuclopentsdiene	HD	80/10	0. 407	0.330	1	7/ 7/99	5:58	n. Cobb	8270C	3331
lexachiernethane	XD.	114/6 1	0.407	3.580	1	7/ 7/99	5:58	M. Cobb	8270C	8351
indeno(1,1,5-cd) agrene	40	ng/kg	0.497	0.350	1	7/ 7/99	5:58	M. Cobb	8270C	8351
Soohorane	WD.	ng/kg	0.407	0.950	1	7/ 7/99	5:58	M. Cobb	8270C	8351
2-Methylnaphthalene	HD 0H	ra/kg	3. 497	8. 530	1	7/ 7/99	5:58	n. Cobb	8270C	8351
2-Metagloberol	HD .	ng/k;	0.497	3.630	1	7/ 7/99	5:58	n. Cobb	8270C	8351
i,p-Methylphenol	NO	ngeka	0.407	0.550	1	7/ 7/99	5:58	M. Cobb	8270C	8351
laphthalene	30	ng/kg	3, 407	1.330	1	11 7/99	5:58	M. Cobb	8270C	8351
-Witroanilina	40	14/80	1.02	9. 825	1	7/ 7/99	5:58	M. Cobb	8270C	8351
3-Mitroansline	HD	Hq/ka	1.02	0.825	1	7/ 7/99	5: 58	H. Cobb	3270C	3351
4-Mitroamiline	40	Hg/kg	1.02	0.825	1	7/ 7/99	5: 58	n. Cobb	3270C	3351
ittropenzene	40	ng/kg	0.407	0.020	1	7/ 7/99	5:58	M. Cobb	8270C	8351
-Hitrophemoi	OK	rigital.	9.407	0.330	i	7/ 7/99	5:58	a. Cobb	8270C	8351
-Hitrospenci	ND	ng/ks	1.02	0. 825	1	7/ 7/99	5:53	n. Cobb	3270C	3351
-nitroscoi-u-oropulanico	aD.	ngrka	0.407	0.330	1	7/ 7/99	5:58	n. Cobb	8270C	3351
-nitrosoutphengianine	ND	ma/ka	1.407	1.330	1	7/ 7/99	5:58	ff. Cobb	6270C	8351
antachloropheno:	40	ngeka	1.02	9. 825	1	7/ 7/99	5:58	n. Cobb	8270C	8351
henanthrene	40	no/ka	0.407	0.350	1	7/ 7/99	5:58	n. Cobb	8270C	8351
benoi	VD CY	hg/ka	0.407	0.330	1	7/ 7/99	5:58	n. Cobb	3270C	8351
rurene	40	ng/kg	0.407	1). 938	1	2/ 7/99	5:58	M. Cobb	8270C	8351
is(2-ethylloxni)phthalite	NO	ng/k1	0.407	0.330	1	7/ 7/99	2:28		8270C	6351
1,2,4-Tricalorabenzene	AD.	Hg/ki	0.407	3, 330	1	7/ 7/99	5:58		8270C	8351
.4,5-Trichlorophenol	ND.	He/F2	1.02	0.825	1	7/ 7/99	5:58	n. Cobb	327DC	8351
.4,6-Trichlorouhenol	KD -	HB/kg	0.407	3, 330	1	7/ 7/99	5: 53	n. Cobb	3270C	3351
WOLATTLE OFFICENCES										
icetone	80	ng/ko	0.0123	0.0100	1	7/ 4/99	17:01	S. Want	82608	8544
croleid	AD.	ng/ka	0.0123	0.0100	1	7/ 9/99	17:01	S. Wani	326DB	3544
orgionitrile	35	ma/kg	3.0123	0.0100	1	7/ 4/99		S. Wani	\$260A	8544
enzene	4D	nn/ke	0.0025	0.0020	1	7/ 4/99	17:81	S. Wani	3260R	3544
Ponchenzene	XD.	He/ka	0.0025	3.0020	1	7/ 4/99		S. Wani	3260R	3544
ronounlorometgame	40°	na/ka	0.0025	0.0020	1	7/ 4/99		S. Wani	82608	8544
ronoforn	ND.	ng/ko	0.0025	0.0020	1	7/ 4/99		S. Wani	32600	3544
гономеставе	מא	ng/ka	0.0025	0.0020	1	7/ 4/99	17:01	2. Haul	3260R	3344
:-Butinope	ND	ng/kg	0.0123	0.0100	1	7/ 4/99		3. Wani	82608	8544
-Butulbenzene	MB	na/ka	0.0025	0.0020	1	7/ 4/99	17:81	S. Wani	6260B	8544
ec-Butulbenzene	KD.	Hq/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Hani	3260D	3544
:-Butulbenzene	HD	mg/kg	0.0025	0.0020	1	7/ 4/99		S. Wani	9260B	8544
arbon sisulfide	HD	ng/kg	0.0023	0.0020	1	7/ 4/99		S. Hani	8260E	3544



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#### ANALYTICAL REPORT

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

Fage 3

A.G.C.	40.000	3.074	Report	Rean	Dil		0		3/10	A. C.
inalyte	Result	Wait:	Limit	Linit	Factor	Date	Time	Analqst	Method	Bate
arbon tetrachlorice	MD	ng/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	3260E	8544
hlorobenzene	HD.	HOFE	0.0025	0.0020	1	7/ 4/99	17: 81	S. Wani	82600	3544
Alorsethane	MD.	HW'S	0.0025	0.6020	1	7/ 4/99	17:01	S. Waai	8260B	8544
-Chloroethylvinglotter	MD	ng/ks	0.0025	0.0020	1	7/ 4/99	17:01	S. Hani	8280B	8544
hloraforn	763	на/ка	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	82608	8544
hloromethane	35	ngesa	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
-Chlorotolcene	HD	30/20	0.0825	0.0020	1	7/ 4/99	17:01	C. Wani	3260R	3544
-Chlorotoluene	HD.	10/1.4	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	82600	3544
,2-Dibrono-3-chioropropage	MD	no/ka	0.0123	0.0100	1	7/ 4/99	17:01	S. Hani	82600	8544
ibromochioromethane	HD 016	ng/kg	0.0025	0.0020	1	7/ 4/99	17:01	3. Mani	8260B	8344
,Z-Cibronoethane	ND.	Hg/ka	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260D	8544
Albronomethane	MD.	Harka	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
1,4-Dicaluro-2-butche	4D	ng/kg	0.0025	0.0020	ī	7/ 4/99	17:01	S. Wani	82608	8544
.,2-Dichlorobenzene	40%	ng/ke	0.0025	0.6820	1	7/ 4/99	17:01	S. Mani	8260B	8544
. 3-Dichlorobenzene	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	17:01	3. Wani	37600	3544
4-Dichlorobenzene	HD	ng/ks	0.0025	8.0020	1	7/ 4/99	17:01	S. Wani	326UN	8544
ichlorodifluoromethame	HD	ng/kg	0.0025	0.0020	ī	7/ 4/99	17:01	S. Wani	8260B	8544
.1-Dicaluroethane	NO	Hg/kg	0.0025	8.0020	1	7/ 4/99	17:01	J. Wani	82608	8544
.2-Dichloroethane	MD	ng/ko	9.0025	3.0020	1	7/ 4/99	17:01	S. Wani	3750D	3544
.1-Gighlurgethene	CH	ng/k:	0.0025	5.0020	1	7/ 4/99	17:01	S. Wani	8260B	8544
is-1,2-Dichloroethene	40	na/ka	0.0025	0.0020	1	7/ 4/99	17:01	S. Mani	S260B	6544
rans-1.2-Dichlorocthene	(ID	Horks	0.0025	0.0020	1	7/ 4/99	17:01	insk .2	3260E	3544
2-Dichloropropane	HD	ng/kg	9.0025	0.0020	î	7/ 4/99	17:01	S. Wani	3260E	3544
.5-Cicaleropropane	40	14/k4	0.0025	0.0020	1	7/ 4/99	17:01	S. Mani	82608	8544
.2-Dicaluropropine	90	ng/k-1	0.0025	0.0020	1	7/ 4/99	17:01	3. Mani	8260B	B544
.1-Cicaloropropene	AB.	ng/kg	9.0025	0.0020	1	7/ 4/99	17:01	S. Mani	S260B	8544
is-1,3-Dichloropropese	HD	no/ke	0.0025	0.0020	1	7/ 4/99	17: 91	S. Wani	82600	8544
enegorgoroldoid-E, 1-2mer	RD GK	ng/ke	0.0025	0.0020	1	7/ 4/99	17:01	S. Hani	3260E	3544
thultenzene	HO	ng/k o	0.0025	0.0020	1	7/ 4/99	17:01	I. Hani	3260D	3544
Hexachlorobutadiene	NO	na/ka	0.0025	0.0020	1	7/ 4/99	17:01	S. Want	82606	8544
-Hexanone	OK	ngrkg	0.0123	0.0100	1	7/ 4/99	17:01	S. Want	82606	8544
Codonethane	НD	ng/kg	0.0025	0.0020	î	7/ 4/99	17:01	S. Wani	3260B	3544
Gopropylaenzene	HD	ng/k;	0.0025	0.0020	1	7/ 4/99	17:01	2. Mant	6260G	
-Isopropultoluene	HD	ng/kg	0.0025	0.0020	î	7/ 4/99	17:01	S. Hani	82600	8544 8544
ethyl sethacrolate	HD	Hg/kg	0.0052	0.0050	1	7/ 4/99	7:18	K. Hill	3260T	3816
-Methys-2-pentanone	HD	Hg/kg	0.0173	0.0100	1	7/ 4/99	17:01	E. Wani	3260R	3544
ethylene chloride	ND	ng/kg	0.0123	0.0100	1	7/ 4/99	17:01		3260E	8544
laphthalene	HD	ng/ka	0.0025	0.000	1	7/ 4/99	17:01	S. Wani	3260R	3544
1-Esoutrpeuseus	Ch.	ng/kg	9.8025	8.0020	1	7/ 4/99	17:01	3. Wani	6260B	8544
Turene	HD	ng/kg	0.0025	0.0020					8260R	3544
.1.1.2-Tetrachloroethage	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani		3544
1,2,2 Tetrachloroethane	ND	Hav.ka			1	7/ 4/99	17:01	S. Wani	32608	
etrachloroethene	ND ON		0.0025	0.0020	1	7/ 4/99	17:01	Z. Mant	8260B	8544
Sluene	HD	ag/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	82608	8544
- OTGE HE	170	iig/kg	0.0025	0.0020	1	7/ 4/99	17:01	S. Wani	3260B	8344



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#### ANALYTICAL REPORT

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

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Realists	Nesult	Unit:	Report Linit	Ryan Linit	Pill Factor	Date	Tine	A	nalyst	Method	Batch
1,2,3-Trichlorobennese	ND	ng/ks	0.0025	0.0020	1	7/ 4/99	17: 01	2.	Wani	8260T	8544
1,2,5-Trichlorobenzene	ND	ng/ka	0.0025	0.0020	1	7/ 4/99	17:01	5.	Hani	32600	3544
1,1,1-Trichloroethabe	MD	He/La	0.00Z3	0.0020	1	7/ 4/99	17:01	5.	Hani	3260T	8544
	MD	119/ks	0.0025	0.0020	1	7/ 4/99	17:01	3.	Hani	87600	3544
Frichloroethene	30%	nd/ka	0.0025	0.0020	1	7/ 4/99	17:01	2.	Hani	82608	<b>B</b> 544
1.Z,3-Trichloropropane	#D	19.74 0	0.0023	0.0020	i	7/ 4/99	17:01	2.	Rani	SZSON	8544
.,2,5-Trimethylbenzene	MD	30/1.3	3. 3025	0.0020	1	7/ 4/99	17:01	5.	Hani	326011	3544
	HD	dor't :	0.0075	0.0020	1	7/ 4/99	17:01	3.	Hani	3260E	3544
lingl acetate	HO	rig/kot	0.0123	9.0100	1	7/ 4/99	17:01	3.	Mani	6260B	8544
Fingl chloride	SID	ng/ka	0.0025	0.0020	1	7/ 4/99	17:01	3.	Wani	82608	8544
Xulenes	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	17: 81	5.	Hani	82600	8544
Pronodichloromethane	HD	ngelig	0.0025	0.0020	1	7/ 4/99	17:01	5.	Wani	82608	8544
Trichlorofluoromethane	SK	Ha/For	0.0025	0.0020	1	7/ 4/99	17:01	3.	Mani	82606	8544
Methyl-t-butyl ether	HO	ng/kg	0.0123	9, 9050	1	7/ 4/99	17:01	3.	Mani	8260B	8544
*SEMERAL CHEMISTRY PARAME	TERSM										
: Dry Weight	31.	Z.			1	7/ 6/99	17:11	Ħ.	Cauthen	CLP	5848
40 = Hor detected at the	report limit.										

sample Extraction Data

	来///01				
<sup>2</sup> araneter	Extracted	Extract Vol	Gate	Analyst	Method
'RR's	30.0 gH	1.0 Hl	7/ 2/99	Fitzuater	3550
Wolstile Organics	5. B g	5.0 HI	3/30/99	S. Mani	5035

furrogate	% Recovery	Target Range
		***************************************
purr-1,2-Dichloroethane, 14	115.	48 160.
surr-Taluene 48	185.	79 119.
surr-4-Bronof Luorobenzene	89	69 135.
surr-Dibronofluoromethane	87.	63 135.
curr-Mitrobenzene-d5	35.	20 110.
surr-2-fluorobiphenyl	60.	13 110.
ourr-Teromengi di4	65.	27 128.
serr-chencl d5	40.	10 111.
surr-Z-Fluorophenol	41.	10 107.
orr-2,4,6-Tribronophenol	<b>\$7.</b>	14 110.



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#### ANALYTICAL REPORT

Laboratory Number: 99-A96318 Sample ID: 766-55-3-6-99

Page 5

Il 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 & Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Gail A Lage, Technical Services

Laboratoru Certification Number: 387



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

#### ANALYTICAL REPORT

HEACE-SAVANNAH DISTRICT 8995 HARK HARVISON 130 WEST BELETHORPE AVE SAVANNAH, GA 31402

Project:

Project Name: LB 766 Dampler: 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: 15:17 Date Received: 6/29/99 Time Received: 7:00

			Report	3030	011					
ualita	Result	Vaits	Linit	Linit	Factor	Date	Tine	Analyst	Metho4	Bato
								***************************************		
EXTRACTABLE BREAKIESE										
cenaphthene	HD	ng/kg	0.412	0.330	1	7/ 7/99	ð: 37	ff. Cobb	3270C	335
cenaphthylene	CH	ng/kg	0.417	0, 330	1	7/ 7/99	8: 37	n. Cobb	8270C	335
inthracene	GH:	ng/ks	0.412	0.330	1	7/ 7/33	6: 37	ff. Cobb	3270C	335
(enzo(a)anthracene	HD.	mg/ka	3.412	0.330	1	7/ 7/99	8: 37	n. Cobb	3270C	335
Genzo(a) pyrena	13%	na/kn	9.412	0.330	1	7/ 7/99	6: 37	ff. Cobb	8270C	835
emze(b)fluorantheme	ND	ng/ka	0.412	8.330	1	7/ 7/99	6: 37	ff. Cobb	3270C	335
(enzo(g,h,i)perglene	MD CK	ng/ke	0.412	0.330	1	7/ 7/99	8:37	H. Cobb	3270C	8350
enzo(k)fluoranthena	3K	ng/ka	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	835
-Gromophenulphenulether	#D	mg/kg	0.412	0.330	1	7/ 7/99	6: 37	ff. Cobb	3270C	335
Otylbenzylphthalate	ND GR	ne/ke	8. 412	0.330	1	7/ 7/99	6: 37	n. Cobb	3270C	835
arbazote	SD.	ne/ko	0.412	0.330	1	7/ 7/99	8: 37	M. Cobb	3270C	835
-Chloro-3-metawlehemoi	MD	Hg/ks	0.412	0.330	1	7/ 7/99	6: 37	n. Cobb	8270C	335
-Chlorosmiline	110	na/ko	8.412	0.330	1	7/ 7/99	8: 37	m. Cobb	3270C	335
is(2-Chluroetnoxy)methane	40	Ha/ka	0.412	0.330	1	2/ 7/99	6:37	M. Cobb	8270C	835
isi2-ChloroethysJetter	#D	tg/kg	0.412	0.330	1	7/ 7/99	5: 37	M. Cobb	3270C	935
usi2-Chloressopropyl)ethor	HD	ng/ka	0.417	0.330	1	7/ 7/99	8: 37	H. Cobb	3278C	3350
-Chloronaphthaiene	ND.	ng/kg	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	6278C	835
-Chlorosaenoi	HD	ng/ka	0.412	0.330	1	7/ 7/99	6:37	ff. Cobb	8270C	835
-Chlorophenylohenviether	ND	ne/ko	0.412	0.330	1	7/ 7/99	6: 37	M. Cobb	3279C	835
hrusene	4D	ng/kg	0.412	0.330	1	7/ 7/99	5: 37	n. Cobb	3270C	3350
ibenzofuran	MD	ng/ka	0.417	0.330	1	7/ 7/79	5: 37	n. Cobb	3270C	835
lbenz(a,b)anthracene	MD	на/кс	0. 412	0.330	1	7/ 7/99	8: 37	M. Cobb	3270C	835
.2-Dichlorobenzene	HD.	ng/kg	0.412	0.330	i	7/ 7/99	6: 37	H. Cobb	3270C	335
.3-Dichlorobenzeno	30	ng/kg	0.412	0.330	1	7/ 7/99	6: 37	n. Cobb	3270C	335
.4-Dichlorobenzeno	HD	ng/ko	0.412	0.330	î	7/ 7/99	6: 37	H. Cobb	3270C	835
.3'-DichloroDenzicine	ND	ng/kg	0.825	0.660	î	7/ 7/99	6: 37	M. Cobb	6270C	835
,4-Dicalorephenol	CK	ng/kg	0.412	0.930	1	7/ 7/99	6:37	ft. Cobb	5270C	835
lethulphthalate	HD.	aq/ka	0.412	0.330	i	7/ 7/99	3: 37	ff. Cobb	8270C	835
.4-Dimethulphenol	ND	#q/ke	0. 417	9.330	1	7/ 7/99	5: 37	M. Cobb	8270C	835
inethylphthalate	ND.	na/ka	0.412	6.330	1	7/ 7/99	6:37	n. Cobb	8270C	835
i-n-butylphthalate	GK GK	ng/kg	8.412	0.330	1	7/ 7/99	6:37	M. Cobb	8279C	835
.6-Dinitro-Z-methulphenol	ND	Ha/ka	1.03	0.823	1	7/ 7/99	6: 37	n. Cobb	8270C	835
4-Dinitrophenol	NO.	ng/kg	1.03	0.825	1	7/ 7/99	6:37	91.0755	8270C	835
.4-dimitrotoluene	CH	ng/kg	0.412	0.623	1	7/ 7/99	6:37		8270C	835
ó-Diaitrotoluene	HO	nacka	0.412	0.350	1	7/ 7/99	6:37	H. Cobb	8270C	835



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: 766-55-4-6-99

Analyte	Result	Unit:	Report Limit	Auan Linit	Dil Factor	Date	Tine	Analyst	Nethod	Rate
Ji-n-octylphthalate	ND OK	ng/kg	0.412	0.330	1	7/ 7/99	6: 37	M. Cobb	8270C	8351
luoranthene	HD	He/ko	0.412	0.330	1	7/ 7/99	6: 37	ff. Cobb	8270C	3351
Luorene	***	ng/ka	0.412	0.350	1	77 7/99	6: 37	n. Cobb	8270C	8351
exachlorobenzene	NO.	ng/ka	0.412	9.350	1	7/ 7/99	6:37	M. Cobb	8270C	8351
exachloroputadione	MD	119/k.2	0.417	0.330	1	7/ 7/99	8: 37	M. Cobb	8270C	8351
exachlorocuciopentagiene	XD.	Agrico.	0,412	0.330	1	7/ 7/99	6: 37	ff. Cobb	8270C	8351
exactloroethase	ND GR	ng/ko	0.411	0.330	1	7/ 7/99	5:37	M. Cobb	3270C	8351
Indeno(1,2,5-cd)egrene	4D	ng/ka	0.412	0.330	1	7/ 7/99	6:37	N. Cobb	8270C	8351
Esoptarane	QK.	Harks	0.412	0.330	1	7/ 7/99	6:37	M. Cabb	8270C	8351
Z-Methylnaphthalene	HD	ng/ks	0.412	0.330	1	7/ 7/99	6:37	ff. Cobb	3278C	3351
2-Methylphenol	HD	nacket	0.412	0.330	1	7/ 7/99	6:37	M. Cobb	8270C	8351
,p-Methylphenol	HD	ng/kū	0.417	9.330	i	7/ 7/99	6:37	n. Cobb	3270C	3351
iaphthaiene	KD	ng/ka	0.412	3.350	1	7/ 7/99	6:37	n. Cobb	8270C	8351
2-Witrosmiliae	סא	ng/ks	1.03	3.825	1	7/ 7/99	8:37			8351
Kitroamiline	HD GH	0.00		3.625		7/ 7/99		3.4	3270C	
4-Mitrosniline	ND	Hg/kg	1.93		1		5:37	n. Cobb	3270C	3351
titrobeazene	מא	ng/kg	1.03	0.325	1	7/ 7/99	6: 37	n. Cobb	8270E	8351
-Nitrophenol		ng/los	0.412	9.330	1	7/ 7/99	6: 37	M. Cobb	8270C	8351
-Mitrophenol	AB.	ngeka	8.412	0.330	1	7/ 7/99	6: 37	M. Cobb	8270C	8351
W. 30 No.	KD	ng/ka	1.03	5.325	1	7/ 7/99	8: 37	n. Cobb	3270C	3351
-mitrocodi-m-probylamine	ND.	ng/ke	8.417	0.330	1	7/ 7/99	8: 37	ff. Cobb	3270C	3351
-nitrosodiphenglamine	HD	संग/हर्व	0.412	1.330	1	7/ 7/99	5. 37	n. Cobb	8270C	8351
Pentachiorophenoi	ND GK	na/kg	1.93	0.325	1	7/ 7/99	6, 37	M. Cobb	8270C	3351
themanthrene	GK	ng, ka	0.417	0.330	1	7/ 7/99	8: 37	ff. Cobb	8270C	8351
henol	db	ng/k2	0.412	0.330	1	7/ 7/99	8: 37	n. Cobb	8270C	8351
ineus	HD	marka	3.412	0.330	1	7/ 7/99	6:37	n. Cobb	8270C	8351
is(2-erhulhexyl)phthalate	KB	ng/kg	9.412	0.350	1	7/ 7/99	6:37	n. Cobb	8270C	8351
.2,4-Trichlorobenzene	ND D	ng/kg	0.417	0 330	1	7/ 7/99	6:37	M. Cobb	3270C	3351
.4,5-Trichloropaecol	GK	ng/kg	1.03	9. 325	1	7/ 7/99	6: 37	n. Cobb	3270C	8351
1,4,6-Trichlorophenol	HD	sg/kg	8.412	9.330	1	7/ 7/99	á: 37	n. Cobb	3270C	8351
WOLATILE DREAMICS*	Size.									
petone	40	ngrkg	0.0125	0.0100	1	7/ 4/99	17:35	J. Hani	82608	2544
croleia	HD	ngeka	0.0125	0.0100	1	7/ 4/99	17:35	2. Mant	5260B	8544
crylonitril:	ИD	ng/kg	0.0125	9.0100	1	7/ 4/99	17:35	ruen .2	3260A	3544
enzene	ND.	ng/kg	0.0025	0.0020	1	7/ 4/99	17:35	Z. Want	82608	8544
ronobenzone	HD	Ha/ka	0.0025	0.0020	1	7/ 4/99	17:35	IASH .2	3760E	3344
ronochloromethane	HD	ng/ka	0.0025	0.0020	1	7/ 4/99	17: 35	3. Wani	82608	8544
Pronoform	KD.	ng/kg	0.0025	8.0020	1	7/ 4/99	17:35	3. Wani	8260B	8544
Fonomethane	KD GR	He/ko	0.0025	0.0020	1	7/ 4/99	17: 35	S. Wani	3260E	3344
-Nutanone	#D	no/ke	0.0175	0.0100	1	7/ 4/99	17: 35	Z. Hani	82600C	3344
-Butylbenzene	dk dk	ng/kg	0.0025	0.0020	1	7/ 4/99	17: 35	3. Hani	6260B	8544
ec-Gutqlbenzene	ON	ng/kg	0.0025	0.0020	1	7/ 4/99	17: 35	S. Maat	6260B	6544
-Nutuibenzene	#D	no/kg	0.0025	0.0020	1	7/ 4/99	17: 35	S. Wani	3260T	3544
arbon disulfide	HD.	на/ка	0.0025	0.0020	1	7/ 4/99		Luen .	3260T	3544



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

inalete	Result	limits	Report Limit	Augn Limit	DII Factor	Date	Tine	Analyst	Nethod	Bato
		-				-				-
erbon tetrachlorise	HD	ng/kg	0.0025	0.0020	1	7/ 9/99	17: 35	S. Wani	8260R	8544
hlorobenzene	AD	mg/ka	0.0025	0.0020	1	7/ 4/99	17: 35	S. Mani	8760E	3544
Chloroethane	ND	39/82	0.0023	0.0020	1	7/ 4/99	17: 35	S. Mani	826DD	8544
-Chloroethylvinylether	HD	mg/k-4	0.0025	5.8020	3	7/ 4/99	17: 35	5. Wani	82608	854
hloroform	HD	201/6.4	0.0025	9.8828	1	7/ 4/99	17:35	S. Wani	62606	854
Moremethans	ND CK	ng/ke	0.0025	0.0020	2	7/ 4/99	17: 35	S. Hani	3260T	854
i-Chlorotolyene	HD	nu/ka	1.0025	0.0020	7	7/ 4/99	17:35	3. Wani	82608	854
1-Chlorotoluens	ED CH	ag/1.2	0.0075	0.0020	1	7/ 4/99	17: 33	S. Want	826DT	834
.,2-Dibrono-3-chloroprogane	#3	ng/kg	0.6125	7,0100	1	7/ 4/99	17:35	S. Mani	82608	E54
ibronockloromethame	40	Borke.	0.0075	0.8820	1	77 4/99	17: 35	S. Wani	3260E	354
.2-Dibronoethame	HD	#g/ke	0.0075	0.0020	1	7/ 4/99	17: 35	S. Wani	8260B	854
Dibronomethane	WD.	ng/kg	0.0025	0.0020	1	7/ 4/99	17: 35	5. Hani	82608	8544
.4-Dichloro-2-butene	HB	na/ka	0.0025	0.0020	1	7/ 4/99	17:35	3. Wani	82608	854
.Z-Dichlorosenzene	HD .	marke.	0.0025	0. 0020		7/ 4/99	17: 35	S. Hani	32608	354
1,3-Dichlorobenzene	MD	no/ke	8.0075	0.0020	1	7/ 4/99	17: 35	S. Wani	3260R	354
.4-Dichlorobenzene	HO	ng/kg	0.0025	0. 9020	1	7/ 4/99	17: 35	S. Hani	8260R	354
ichlorodifluorouethane	ир	79/kg	0.6025	0. 0020	1	7/ 4/99	17: 35	S. Hani	8260R	854
1.1-Dicklordethame	GK	mg/kg	0.0025	0.0020	1	7/ 4/99	17: 35	S. Hani	32608	354
.2-Croaluroethane	HD	ng/kg	0.8025	0.0020	1	7/ 4/99	17:35	S. Wani	82608	854
1-Dichlornethene	HD	ngrke	0.0025	0.0020	1	7/ 4/99	17: 35		32608	854
:15-1,2-Dichloroetheme	40	10/kg	0.0025	0.0020	1	7/ 4/99	17: 35	25 25 25 25 25 25 25 25 25 25 25 25 25 2	82688	854
rans-1.2-Dichloroethene	4D	sa/ku	0.0025	0.0020	1	77 4/99		S. Wani		
.2-Dichloropropane	HD GH	::0/kg	0.0025	0.8020		0.100.000.000	17: 35	S. Wani	3260R	854
.,3-Dichioropropine	40				1	7/ 4/99	17: 35	insk .2	3260B	354
2.2-Disnioropropane	HD.	ng/kg	0.0025	0.0020	2	7/ 4/99	17: 35	S. Wani	82608	854
i,1-Dichloropropene		na/ka	0.0025	0.0020	1	7/ 4/99	17:35	3. Wani	82608	854
is-1.3-Diobloropropene	ND	ng/kg	0.0025	0.0020	1	7/ 4/99	17: 35	insk .2	8260D	354
rans-1.5-Dichloropropene	MD CH	ng/ka	0.0025	0.0020	1	7/ 4/99	17: 35	S. Nani	82600	854
thulbanzene	MD MR	ng/kg	0.0025	0.0020	1	7/ 4/99	17: 35	3. Wani	82608	854
denginenzene denachlarobutadiene	NB	ngeka	0.0025	0.0020	1	7/ 4/99	17: 35	I. Mani	82606	854
-Hexanous	ND	ng/k.	0.0025	0.0020	1	7/ 4/99	17: 35	S. Nani	32800	354
	AD	ng/ks	0.0125	0.0100	1	7/ 4/99	17: 35	S. Hani	32600	354
Codomethane	MD	He/ka	0.0025	0.0020	1	7/ 4/99	17: 35	2. Hani	8260tt	8544
isopropylbenzene	HD	ngrica	0.0025	8.0020	1	7/ 4/99	17: 35	S. Wani	82608	854
4-Isopropultatione	MD	40%, g	0.0025	0.0020	1	7/ 4/99	17: 35	S. Wani	3260H	354
Methyl methacrylate	ND	i: a/ko	0.0067	0.0050	1	7/ 4/93	7:10	K. H111	3250H	3816
-Methyl-2-jentanone	AD.	ng/kg	0.0125	0.0100	1	7/ 4/99	17: 35	Z. Wani	3260E	354
ethylene chloride	ND ON	nacion	0.0125	0.0100	1	7/ 4/99	17:35	3. Hant	8260B	654
iaphthalane	HD	udyka .	0.0025	0.0020	1	7/ 4/99	17:35	3. Mani	82608	854
-Prosylbenzene	HO	ng/kg	0.0025	0. 00Z0	1	7/ 4/99	17:35	S. Wani	32600	354
turene	HD	ng/ka	0.0025	0.0020	1	7/ 4/99	17:35	S. Hani	8260B	854
1,1,1,2-Tetrachloroethane	HD	Ha/ka	0.0025	0.0020	1	7/ 4/99	17:33	S. Wani	3260D	3544
.1,2,2-Tetrachloroethane	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	3250E	3544
etrachloroethene	HD	ng/ka	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	82600	3344
oluene	KO	ngekg	0.0025	8.0020	1	7/ 4/99	17:35	S. Want	8260B	8544



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

Page 4

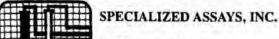
malyte	Result	Váits	Report	Linit	Dil Factor	Date	Tine	Analyst	Method	Batch
		155.4				71.400			00.000	
1,2,3-Trichlorobenzene	HD	narka	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	82608	8544
2,4-Trichlorobenzene	HD.	ng/kū	3. 8025	0.0020	1	7/ 4/99	17: 35	S. Wani	3260T	3544
1,1,1-Trichloroethame	HD	sig/kg	0.0025	0.0020	1	3/ 4/99	17: 33	Z. Wani	3260B	3544
1,1,7-Trichloroethane	AD:	ng/kg	0.0025	0.0020	1	71 4/99	17:35	3. Want	82608	8544
richlorcethane	HD.	74/k3	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	82608	<b>8544</b>
2,3-Trichloropropane	AD.	19/kg	0.0023	0.0070	1	7/ 4/99	17:35	I. Weni	32600	8544
: .2,<-Trimethylbenzene	HD	ng/ko	0.0025	0.0020	1	7/ 4/99	17:35	E. Wani	8260R	3544
1.3,5-Trimethylbenzene	HD.	TOWKS	0.0025	0.0020	1	1/ 4/99	17:35	S. Wani	8260B	8544
lingl acecate	QK.	ag/ka	0.0125	0.0100	1	7/ 4/99	17:35	3. Hani	8260B	8544
Vingl coloride	HD	ng/kū	0.0025	0.0020	1	7/ 4/99	17:35	S. Wani	3260D	3544
Kulenes	AD:	market.	0.0025	0.0020	1	7/ 4/99	17: 35	S. Wani	82608	8544
Gronogichloronethane	ND	ng/ko	0.0025	0.0070	1	7/ 4/99	17:35	S. Hani	8260R	3544
Trichlorofluoromethame	CH CH	ng/ks	0.0025	6.0028	1	7/ 4/99	17:35	S. Wani	82608	8544
Tethyl-t-butyl ether	AD.	ng/kg	0.0125	0.0050	1	7/ 4/99	17:35	3. Waai	8260B	8544
SEMERAL CHEMISTRY PARAME	TERSK									
A Dry Weight	30.	7.			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

+D = Not detected at the report limit.

#### lample Excraction bata

Раганесег	Mt/Vol Extracted	Extract Vol	Date	Analyst	Method
MA's	50.0 gm	1.0 ml	1/ 2/99	Fitzuater	3550
Jolatile Decembes	5.0 g	5.0 ml	8/30/99	S. Hani	5035

surregate .	# Recovery	Target Range
		**********
ourr-1,2-Dichloroethane, 44	136.	48 160.
surr-foluene d3	106.	79 119.
curr-d-Gronofluorobenzene	98.	69 135.
:urr-Dibronofluoromethame	108.	63 135.
urr-Hitrobenzene-d5	58.	20 110.
surr-2-Fluorobiohengl	68.	18 110.
purr-Terpmeng1 d14	73.	27 128.
surr-whence d5	47.	10 111.
surr-2-Fluorophenoi	43.	10 107.
surr-2.4.6-Tribromophenol	68.	14 110.



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: 766-55-4-6-99

Page 5

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



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

#### ANALYTICAL REPORT

SACE-BAVANNAH DISTRICT 3995

TARK HARVISON

100 WEST OCLETHORPE AVE

SAVANNAH SA 31402

--- Jac--

innject Name: LE 766

Sampler: MB/SW/HT

Lab Number: 79-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

			Report	Puen	211					
salste	Tesult	Thits	Linit	Linit	Factor	Date	Tine	Analyst	Method	Mato
****		***************************************	-			(				
EXTRACTABLE DESCRICTS										
cenaphthene	HB	ma/kg	7.478	9.330	1	7/ 7/99	2:88	H. Cobb	3270C	8351
cenachthylene	AD	ma/kg	0.478	0.330	1	71 7/89	2:08	M. Cobb	8270C	8351
athracene	∺D	Hq/kq	0.473	0, 330	1	7/ 7/99	2:03	M. Cobb	3270C	3351
enzo(a)anthracene	10	nack g	5.478	0, 350	1	7/ 7/99	2:08	M. Cobb	8270C	8351
enzota/pyrene	ND CK	19/24	3.475	0.350	1	7/ 7/99	2:08	n. Cobb	3270C	8351
enzo(b)fluoranthene	HD	rig/kg	1.478	7.989	1	7/ 7/99	2:08	M. Cobb	8279C	8357
enzo(g,h,i)perglene	NO	market	9.475	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
enzo(k)fluoranthene	4D	ngelog	0.478	3.330	1	7/ 7/99	2:88	n. Cobb	8270C	8351
-Bromophenulphenulether	AD:	Ha/ka	3.478	0.330	1	77 7/99	2:08	n. Cobb	5270C	8351
stylbenzulphtharate	HO	-a/kg	3.476	0.350	1	7/ 7/99	2:08	n. Cabb	8278C	8351
artazole	HD	18/kg	0.478	0.330	1	7/ 7/99	2:08	n. Cobb	3270C	3351
-Chloro-d-methylphenol	÷D	3/ka	0.473	0.330	1	7/ 7/99	2:08	n. Cobb	3278C	3351
-Chlaroanilene	40	ce/kg	1. 478	1.330	1	7/ 7/99	2:08	n. Cobb	8270C	8351
1542-Chloroethoxu/methane	#D	18/kg	5.478	0.330	1	7/ 7/99	2:03	n. Cobb	3270C	3351
is(Z-Chlurcethyl)ether	40	ma/ka	0.478	3, 330	1	7/ 7/99	2:08	n. Cobb	8270C	8357
us(2-Cilorossapropyl)ether	NB.	agek.q	0.476	0.950	1	7/ 7/99	2:08	M. Cobb	8270C	8351
-Chloronaphthalene	KD.	na/ka	0.478	0.330	1	7/ 7/99	2:08	n. Cobb	9270C	8351
-Chloropnesol	40	narka	2, 478	9, 330	1	7/ 7/99	2:08	a. Cobb	8270C	8351
-Chloropnenulphenulether	#D	sg/kg	0.473	0.330	1	7/ 7/39	2:03	n. Cobb	3270C	3351
hrusene	20	19/85	0. 473	3, 330	î	7/ 7/99	2:08	M. Cobb	3270C	8351
ibenzoruzan	KD CK	nýrký	3.476	0.300	1	7/ 7/99	2:08	n. Cobb	8270C	6351
ibenz(1,n)anthracene	30	da/kg	3, 478	0.330	1	7/ 7/99	7:08	n. Cobb	8270C	8351
.2-Dicalorobeazene	40	na/ka	0.476	0.330	1	7/ 7/99	2:08	M. Cobb	8270C	8351
?-Dichlorobenzene	ND	ng/kg	0. 473	3.330	1	7/ 7/99	2:08	n. Cobb	3270C	3351
S-Dichlurobenzene	KD	19/60	9. 473	0.330	9	7/ 7/99	2:08	n. Cobb	3270C	3351
3'-Dichlorobanzidine	40	ng/kg	7.957	9, 560	1	7/ 7/99	2:08	n. Cobb	8270C	8357
4-Dicalorezhenel	40	40/kg	0. 473	0.330	1	7/ 7/99	2:08	n. Cobb	3270C	8351
lethulahthalate	HD.	18/kg	0. 478	0.330	i	7/ 7/99	2:03	n. Cobb	3270C	3351
4-Dinethulphenol	ND	ng/kg	2, 473	0.330	î	7/ 7/99	2:03	II. Cobb	3270C	8351
inethqiphthalate	in in		2,478	0.330	1	7/ 7/99	2:03	n. Cobb	3270C	8351
i-n-butgiphthalate	SD	ng/kg	1, 478	0.330		7/ 7/99	2:08	n. Cobb	5270C	8351
o-Ginitro-i-methylphenoi	40				1	0.00		THE STOOP	8270C	8351
그 같아 나타지 않는 한 경험 등에 가는 사람이 되었다.	#D	tileka	1.20	0.825	1	7/ 7/99	2:08	n. Cobb	3270C	3351
4-Dinstrophenoi	HD	wo/ka	1.70	0.375	1	7/ 7/99	2:08	n. Cobb	3270C	3351
* 1) G1,10,1012,177,7410		ne/kg	0.478	0.330	1	7/ 7/99	2:08	n. Cobb		22.50
.6-Cinitrotoluene	K3	Harkd	0.478	0.330	1	7/ 7/99	2:08	n. Cobb	8270C	8323



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

ealgte	Result	Daits	Report	Auan Linit	DI1 Factor	Date	Tine	Analyst	flethod	Batc
					. 40001			· · · · · · · · · · · · · · · · · · ·	Hechoe	
i-m-cotylphthalate	ND.	ng/kg	0.470	0.330	1	7/ 7/99	2: 88	n. Cobb	3270C	8351
Looranthene	40	7.4/2.7	1. 978	0. 350	1	77 7/99	2:36	n. Cobb	8270C	8351
ivorene	TO	darka	0.478	0. 330	2	7/ 7/99	2:08	a. Cobb	8270E	8351
exachiorobenzene	XD	An/ko	5. 478	0.330	i	7/ 7/39	Z: 03	n. Cobb	3270C	3351
exachlorobutaczene	(10)	79/8.7	9.478	7. 320	1	7/ 7/99	2:08	a. Cabb	827BC	8333
exachlorocyclopentadiene	40	79/4 2	0.478	3. 650	2	7/ 7/89	2:08	ft. Cobb	8270C	8357
exachloroethane	-379	79/kg	9.478	9.330	2	7/ 7/99	2:08	a. Cobb	5270C	6357
ndeno(1,1,5-cd)ourene	40	64/84	2, 478	3, 339	2	7/ 7/99	7:08	a. Cobb	8270C	8357
sophorone	45	da/ka	7 473	3. 330	1	7/ 7/99	7:03	n. Cobb	3270C	3350
-Methylasphthalane	HD CH	Ha/ka	3.478	3. 330	1	7/ 7/39	2:08	n. Cobb	3270C	3351
-Methgiphenol	1175	mayka.	1.476	0.550	1	7/ 7/99	2.08	M. Cabb	8270C	8357
.p-Methylphenol	AD.	nacka.	1,478	0. 930	2	7/ 7/99	2:08	N. Cobb	8270C	8357
ashthaiene	40	na/ka	3, 473	9. 330	1	7/ 7/99	2:08	f. Cobb	3270C	8351
-Mitrososlice	HĐ	norks	1, 26	3.825	1	7/ 7/99	2.08	M. Cobb	3270C	8351
-Mitrosatilae	AL.	ng/kg	1.20	9.825	1	7/ 7/99	2:08	M. Cobb	3270C	8357
-Witroamiline	HD	ng/ka	1.20	3.825	1	7/ 7/99	2:08	n. Cobb	8270C	835
trobenzene	HD	ng/kg	1.478	0.020	1	1/ 7/99	2:08	M. Cobb	8270C	835
-Kitronaenol	35	nge ng	0.478	175 M. A. Santin.	1	(PC) (PC*P*Z*)	200	21 404 31	0.00 m/2 / 1/2 m	
-mitrophenoi	40			0.350		1/ 7/99	2:08	M. Cobb	8278C	835
	AD	ng/kg	1, 20	0, 825	1	7/ 7/99	2:08	M. Cobb	8270C	835
-nitrosodi-n-oropolaniue	10	ng/kg	0.478	3. 330	1	7: 7/99	2:08	H. Cobb	92700	835
-netrosoilpaenglakine	1D	nacks	1, 478	77, 980	1	7/ 7/99	2:08	a. Cobb	8270C	8357
entichioropaenoi		.16/kc	1, 20	3.825	1	7/ 7/99	2:38	n. Cobb	3270E	335
Renanturene	40	59/43	1.478	0.530	1	7/ 7/99	2:06	ii. Cobb	5270C	835
henci	40	adejos.	9, 478	1, 330	1	7/ 7/99	2:98	M. Cobb	9270C	835
grene	40	and kin	3, 478	3, 350	1	7/ 7/99	2:08	M. Cobb	8270C	835
usi2-echulhexul/phthalate	iD	tarka	9, 478	0.330	1	77 7/99	2:08	n. Cobb	3270C	3351
2,4-Trichlorobenzene	(D)	ng/kg	0.478	0.330	1	7/ 7/99	2:03	n. Cobb	3270C	3351
.,4,5-Trichloropnenal	40	ngekg	1.20	5,825	1	7/ 7/99	2:08	M. Cobb	8270C	8357
4,6-Trichlaraphenal	HD	ng/kū	9, 473	8, 330	1	7/ 7/99	2: G8	ff. Cobb	3270C	8351
ADPULLE DECUMEDA						al em				
cetche	10	HO/KQ	3, 0145	9.0100	1	7/ 4/99	13:08	S. Hani	32600	354
croleis	25	10/kg	E 8145	0.0100	1	7/ 4/99	13:06	S. Wani	3760H	354
crylonitrile	HD	ng/kg	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260A	854
enzene	3D	ng/kg	0.0027	0.0020	1	7/ 4/99	13:06	I. Lani	32600	3544
ronobenzene	30	13/kg	0.0027	9.0020	1	7/ 4/99	13:08	S. Hani	878QT	334
romountoromethams	40	mg/kg	0.8029	5.0020	1	7/ 4/99	13:06	S. Wani	92608	854
rono+orn	KD	ng/kg	0.0029	0.0020	1	7/ 4/99	13:06	5. Waai	82608	854
romomethane	HD	ngeka	0.0029	0.0020	1	7/ 4/99	13:06	3. Wani	8260B	854
-Out anone	ND	Ha/ka	0.0145	0.8100	1	7/ 4/99	13:06	insu .2	3760B	354
-Gutylbenzene	CN ON	ng/kg	0.0029	0,0020	1	7/ 4/99	13:06	3. Hani	82608	8544
ec-Rutulsenzene	HD	ng/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Nani	3260R	854
-Butulbenzene	40	Ag/kg	0.0029	0.0020	1	7/ 4/99		S. Hani	8260B	8544
arbon disulfide	ND.	ng/kg	3.9929	0.0020	1	7/ 4/99		S. Wani	82608	854



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

nalyte	Result	Valta	Report Linit	Avan Linit	Dil Factor	Date	Tine	Analyst	Nethod	Bate
irbon terrachloride	(ID	ng/kg	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	82600	8544
hlorobenzene	43	ng/kg	7.0029	3.0020	2	7/ 4/99	13:06	S. Wani	82608	8544
Alordechane	HO	agrky.	7.0029	3.0020	1	11 4/99	13:06	S. Wani	82600	8544
-Chloroethylvinylether	HD.	ng/ks	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	82608	8544
tloroform	ND	20/kg	9.0027	3.0020	1	7/ 4/99	13:06	S. Wani	82600	354
Moromethane	DE	AQ/KC	0.0027	0.0020	1.	7/ 4/99	13:06	S. Hani	3260B	354
i-Chlorotoluene	30	74/kg	0.0027	0.0020	2	7/ 4/99	13:06	S. Wani	62608	854
-Chlorotoluene	40	19/42	9. 6027	0.0070	1	7/ 4/99	13:06	S. Wani	32600	354
.Z-Dibreno-3-chloropropase	RD	HQ/Ks	0.0145	0.0100	1	7/ 4/99	13:06	S. Wani	8260R	354
'Lbronoublorone chane	110	narka	0.0029	9.8020	1	7/ 4/99	13:06	S. Wani	82600	8544
L,2-Dibromoethane	AD OF	ngeka	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	82606	8544
libremonethame	WD	ng/kg	2.0025	1.0020	I	7/ 4/99	13:06	5. Hant	82608	8544
,4-Dichloro-2-letene	HD	ng/kg	0.0027	0.0020	1	7/ 4/99	13:06	S. Wani	82600	854
.Z-Dichlorobenzene	ND CH	ng/ka	5.0029	0.0020	1	7/ 4/99	13:06	5. Wani	3260B	854
_,3-Dichlorobenzene	4D	Ha/kit	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	354
.4-Dichlorobenzene	ND GY	ma/ka	0.0029	0.0020	1	7/ 4/99	13:06	S. Wani	52608	854
ichlored: Fluoronethane	(ID)	He/ke	9.0027	0.0020	1	7/ 4/99	13:08	S. Mani	3260B	354
.1-Dichloroethane	MD	ag/ka	0.0027	0.0020	1	7/ 4/99	13:06	S. Mani	3260R	354
,2-Occaioroethane	45	ng/kg	0.0029	0.6020	ī	7/ 4/99	13:06	S. Wani	62608	854
.1-Dichloroetache	40	ag/kg	0.0029	1.0020	1	7/ 4/99	13:86	S. Wani	8260B	854
:5-1,2-Dickloraectene	150	18/KG	0.0027	0.0020	1	7/ 4/99	13: 06	S. Wani	3260B	854
Tans-1.2-Vichioroechene	40	ng/ka	11.0029	9.0020	î	7/ 4/99	13:06	S. Wani	82608	854
2-Dichloroprogane	48	Harka	7.0029	9.0020	1	7/ 4/99	13:06	S. Mani	8260B	8544
.3-Dichlereprepage	HD	ng/kg	0.0027	3 0020	1	7/ 4/99	13:06	S. Wani	82500	354
2-Dicklorosropane	(4D)	na/ka	0.0029	0.0020	1	7/ 4/99	13:86	S. Nani	8260B	354
.1-Dichlurgropene	HD	ng/kg	0.0027	0.0020	1	7/ 4/99	13:06	S. Wani	3260E	3544
is-1.3-Dichloropropene	HD	ng/ke	0. 9829	3.0020	1	7/ 4/99	13:06	S. Wani	3260B	354
rans-1.3-Dichloroprocene	10	на/ка	3.0029	0.0020	1	7/ 4/99	13:06	S. Mani	8260B	8544
thulbenzene	18	ng/kg	0.0027							8544
iexachlorobotadiene	RD GR	ng/kg	0.0027	0.0020 0.0020	1	7/ 4/99	13:06	3. Wani 3. Wani	8260B	8544
-Hexanone	XD.				1	7/ 4/99	13:05		92600	3544
odonetaane	AD	Ha/ka	0.8145	0.0100	1.5	7/ 4/99	13:88	2. Nani	326DR	
Sopropyluencene	100	на/ка	0.0025	0.0020	1	7/ 4/99	13:96	J. Wagi	82698	854
Isopropultaluene	HD MD	nyeka	0.0029	3.0020	1	7/ 4/99	13:06	2. Mani	82608	8544
		ng/kg	3.0029	0,0020	1	7/ 4/99	13:06	S. Wans	3260B	3544
ethul methaczylate	500	nucka	0.0072	0.9656	2	7/ 4/99	7:10	K. Hill	82608	8814
-Methui-2-rentamone	HD	HQ/KQ	9. 0145	0.0100	1	7/ 4/99	13:06	S. Nani	32800	354
ethylene chlorida	40	ng/kg	0,0145	0,0100	1	7/ 4/99	13:06	S. Mani	82600	8544
'aphthalese	AD.	ngekg	0.0029	3.0020	1	7/ 4/99	13:06	S. Mani	9260B	8544
-Frongibenzene	45	ng/kg	0.0027	0.0020	£	7/ 4/99	13.06	2. Mani	8260B	8544
turene	HD.	He/kg	9.0027	0.0020	7	7/ 4/99	13:06	2. Haut	3260It	3344
1,1,7-Tetrachloroethame	ND.	HAVE .	0.0029	9. 0020	2	7/ 4/99	13:06	S. Wanl	3260B	8544
2,Z,Z-Tetrichlorcethane	10	Halley	0.0027	0.0020	2	7/ 4/99	13:86	2. Hani	62608	8344
etrachioroechene	.10	HOLKO	0.0027	3,0020		7/ 4/99	13:06	S. Wani	3260B	3544
oluene	HD.	mg/kg	0. 00Z7	3.0020	3	7/ 4/99	13:06	Z. Mani	3280E	3544



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: 766-55-5-6-99

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nalyte	Result	Units	Report	Linit	7)1 Factor	Date	Tine	Analyst	Method	[atol
				~~~						-
2,3-Trichlorosenzene	10	79/k3	3.0029	0.0020	1	7/ 4/99	13:06	S. Wani	8260B	8544
2,4-Trichlorobenzene	HD.	ng/ks	0.0029	3.0020	1	7/ 4/99	13:06	S. Want	3260D	3544
.1.1-Trichloroethane	40	74/W:	7.0029	7.0020	1	7/ 4/99	13:06	3. Wani	8260B	8544
,1,2-Truckloroechane	AD.	ea/ke	3.6029	7.0020	1	7/ 4/99	13:06	S. Wani	6260B	8544
'richloroethene	HD	19/6-1	9.0029	0.3020	12	7/ 4/99	13:06	S. Hani	3260B	8544
2.3-Trichloroeropane	40	:4/E6	7 3027	0, 6026	á	7/ 4/99	13:06	Z. Wani	326DB	3544
.T. C-immethylbencene	10	30/k5	3,6029	J. 0020	1	7/ 4/99	13:06	3. Hani	32508	3344
,5,5-Trinethylbenzene	40	nacky	3.8027	7.0020	1	7: 4/99	13:86	S. Wani	8260B	8544
angl merate	10	no/4 a	0.0145	0.0100	1	7/ 9/99	13:06	J. Wani	82608	8544
ingl chloride	30	38/1 B	9, 9979	0.0020	1	7/ 4/99	13:06	S. Wani	3750R	3544
ulenes	30	te/ko	0.0027	5. 80ZC	1	7/ 4/99	13: 06	S. Wani	3760T	3544
ronodichloromethaue	HD.	Hu/kg	5.0027	9, 9020	1	7/ 4/99	13:06	S. Wani	8260R	3544
richlorofluoromethame	ЯÐ	na/ka	0.0029	0.0020	12	1/ 4/99	13:06	3. Wani	82608	8544
iethyl-t-butyl other	30	=a/ka	0.0145	3,0050	1	7/ 4/99	13:06	S. Wani	82608	8544
GENERAL CHEMISTRY PARAMET	ERSH									
Dru Weight	19	24			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

-D = Mot detected at the report limit.

mole Extraction Data

	Ht/Uel				
eraneter	Extracted	Extract Vol	Sate	Analyst	nethod
MA'S	30.0 gm	1.0 ml	1/ 2/99	Fitzuater	3550
Molatile Drosnics	7.0 0	5.0 11	9/30/99	S. Hans	5035

urrogace	& Recovery	Target Range
err-1,2-Dichlorosthame, 44	114.	48 160.
urr-foluene da	77	79 119.
urr-4-GranoFluorobenzene	94.	69 135.
urr-Dibronofluoronethane	104.	63 135.
ger-Hitcobenzene-d5	38.	20 110.
urr-2-fluorobiphengl	z7	18 110.
urr-fernhenyl 414	70.	27 128.
urr-phenol d5	eq.	10 111.
err-2-Fluorophenol	42.	10 157.
urr-2,4,6-Tribromophenol	74.	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-A96314 Sample ID: 766-55-5-6-99

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il samples have been corrected for dry weight.

Report Approved by

Report Date: 7/ 8/99

Theodore U. Cuello, Ph.D., Lab Director Aichael H. Junn, M.S., Technical Director dohany : litchell, Dir. Technical Services Tric Smith, Assistant Technical Director Gall & Lager Technical Services

Laboratory Certification Number: 387



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

#### ANALYTICAL REPORT

J3ACE-SAVANNAH DISTRICT 3995 MARK HARVISON 100 WEST DGLETHORPE 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

### ### ##############################				Report	RUBB	011					
Seemajahthene	nalyte	Result	Units	Linit	Limit	Factor	Date	Tine	Analyst	Method	Date
Seemajahthene											
Semanaphthylene	EXTRACTABLE BREAKIES*										
######################################	Goenaghthene	H5	ngeling	0.412	0.330	1	7/ 7/99	7:56	A. Cobb	8270C	8351
######################################	icenaphiholena	GK GK		0.412	0.338		7/ 7/99	7:56		8270C	8351
	inthracene	NO.	ng/kg	0.412	9.330	1	7/ 7/99	7:56			8351
### Senzo(b)Fluorantheme  ### ### ### ### ### ### ### ### ###	Senzo(a)authracene	40	ma/ka	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
######################################	(eszcia) pyrene	ND	на/ке	0.412	0.330	1	7/ 7/99	7:56	H. Cobb	8270C	3351
Senzo(q,h,i)sergiane HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aerosck/fiuorantheme HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aerosck/fiuorantheme HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aerosck/fiuorantheme HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg 0,412 0,330 1 7/7/99 7:56 M. Cobb 8270C 85 Aeroscale HD mg/kg	enzo(b)fluoranthene	ND:		0.412	0.330					The state of the s	8351
Seminor   Semi	Senzo(g,h,i)perglene	HO	and the second second				100000		M. Cobb		8351
#-{fromombengiphenglether		49									8351
### String	-Kronochenulphenulether	ND OK									8351
Tarbazole		38							DAY MAY TO	F 4 Trouble 17	8351
-Chloro-i-methylphenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/Chloroethoxylmethame ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chloroethoxylmethame ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chloroethylether ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chloroethylether ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chloroethylether ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chloromaphthaleme ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.56 M. Cobb 8270C 83 is/C-Chlorophenol ND Ha/kg 0.412 0.330 1 7/7/99 7.		RD									3351
### Chlorosaniline	-Chloro-i-methulphenol										8351
### ### ##############################					2000						3351
### ### ##############################	is(2-Chloroethoxu)methame										8351
### ### ### ### ### ### ### ### ### ##								A	THE EARS,		8351
7-Chloronaphthalene				4.5					747, 74, 74, 74		8351
C-Chlorophenol HD ng/kg 0.412 0.330 1 7/ 7/99 7:56 N. Cobb 8270C 83 1 7/ 7/99 7:56 N. Cobb 827	그 이번 시간 이 나마나는 회사 그 사람들은 그리를 다 되었다고 있어요?										3351
-Chlorophenylphenylether NO ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1 83 1 7/7/99 7:56 N. Cobb 8270C 83 1 84 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	2. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.								20, 20,17		3351
Arysene		34.					(CA) - G. C. A. C. A.				8351
				The second second						4.36	8357
### ### ##############################		100	- July - 5								8351
-,2-Dichloropenzene ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,3-Dichloropenzene ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dichloropenzene ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,3'-Dichloropenzidine ND ng/kg 0.825 0.860 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dichlorophenol ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dichlorophenol ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 2,4-Dinethylphthalate ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 Dinethylphthalate ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 Dinethylphthalate ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 0:-n-butylphthalate ND ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83									17.00		8351
1,8-Dicklorobenzene MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,8-Dicklorobenzene MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,8-Dicklorobenzidine MD ng/kg 0.825 0.660 1 7/7/99 7:56 N. Cobb 8270C 83 1,8-Dicklorophanol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,8-Dicklorophanol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,8-Dinethylphthalate MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,8-Dinethylphthalate MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,8-Dinethylphthalate MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,6-Dinitro-2-methylphenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,6-Dinitro-2-methylphenol MD ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1 1,4-Dinitrophenol MD ng/kg 0.412 0.330 1			55.00						7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		8351
1,4-Dichlorobenzene HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 3270C 83 4,3'-Dichlorobenzidine HD ng/kg 0.825 0.660 1 7/7/99 7:56 N. Cobb 3270C 83 4,4-Dichlorophanol HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 3270C 83 4,4-Dichlorophanol HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 3270C 83 2,4-Dinethylphthalate HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 3270C 83 0inethylphthalate HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 3270C 83 0inethylphthalate HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 3270C 83 0inethylphthalate HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 3270C 83 0inethylphthalate HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 3,6-Dinitro-2-methylphenol HD ng/kg 1.03 0.825 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83 1,4-Dinitrophenol HD ng/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83			100								8351
1,3'-Dichlorobenzidine       HD       ng/kg       0.825       8.860       1       7/7/99       7:56       N. Cobb       3270C       83         1,4-Dichlorophenol       ND       ng/kg       0.412       9.330       1       7/7/99       7:56       N. Cobb       8270C       83         0,4-Dinethylphthalate       ND       ng/kg       0.412       0.330       1       7/7/99       7:56       N. Cobb       8270C       83         0,4-Dinethylphthalate       MD       ng/kg       0.412       0.330       1       7/7/99       7:56       N. Cobb       8270C       83         0,4-Dinethylphthalate       ND       ng/kg       0.412       0.330       1       7/7/99       7:56       N. Cobb       8270C       83         0,4-Dinethylphthalate       ND       ng/kg       1.03       0.825       1       7/7/99       7:56       N. Cobb       8270C       83         1,4-Dinethylphthalate       ND       ng/kg       1.03       0.825       1       7/7/99       7:56       N. Cobb       8270C       83         2,4-Dinethylphthalate       ND       ng/kg       1.03       0.825       1       7/7/99       7:56       N. Cobb       8270C					34553		The second second				8351
A-Dicalorophenol			2.70		21.54				112 (2.504)		8351
### Diethylphthalate					and the same of th		the state of the state of				8351
2,4-Dinethylphenol MD mg/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 3270C 83 Dinethylphthalate MD mg/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 3270C 83 Dinethylphthalate MD mg/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 8270C 83 Dinethylphthalate MD mg/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 8270C 83 Dinethylphthalate MD mg/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 Dinethylphthalate MD mg/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 Dinethylphthalate MD mg/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 8270C 83 Dinethylphthalate MD mg/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 8270C 83		40.4	E 577								3353
Pinethulphthalate MD ng/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 3270C 83 Fine-butylphthalate MD ng/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 8270C 83 R.6-Dimitro-2-methulphenol MD ng/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 R.4-Dimitrophenol MD ng/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 R.4-Dimitrophenol MD ng/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 8270C 83							30.01 30 0.767		100 POST 1		8351
71-n-butylphthalate NO mg/kg 0.412 0.330 1 7/7/99 7:56 M. Cobb 8270C 83 7.6-Binitro-2-methylphemol NO mg/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 7.4-Dinitrophemol ND mg/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 7.4-dinitrotolueme ND mg/kg 0.412 8.330 1 7/7/99 7:56 M. Cobb 8270C 83											8331
3,6-Dimitro-2-methulphemol MD mg/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 7,4-Dimitrophemol MD mg/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 7,4-dimitrotolueme MD mg/kg 0.412 8.330 1 7/7/99 7:56 M. Cobb 8270C 83									2001 10 2 0 0		8351
7,4-Dimitrophenol MD mg/kg 1.03 0.825 1 7/7/99 7:56 M. Cobb 8270C 83 2,4-dimitrotoluene MD mg/kg 0.412 8.330 1 7/7/99 7:56 M. Cobb 8270C 83											8351
4,4-dimitrotolvene MD mg/kg 0.412 0.330 1 7/7/99 7:56 N. Cobb 8270C 83											3351
[18] 사용물로 하다면 하면 하는 사람들은 사람들이 되었다면 하면 사람들이 되었다면 하는 사람들이 되									150 27 CA		
	2,8-Dinitrotoluene	MD CA	ud\ka ud\ka	0.412	0.330	1	7/ 7/99	7:56	n. cobb	8270C	8351



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: 766-55-6-6-99

-nalyte	Result	Units.	Report Linit	Russ Linit	Dil Factor	Date	Tine	Analyst	Method	Natch
Di-m-occylphthalate	ND.	ng/ko	0. 412	0.330	1	7/ 7/99	7:56	M. Cobb	3270C	8351
"luoranthene	MD	ng/ko	8.412	0.330	1	7/ 7/99	7:56	n. Cobb	8270C	3351
Lucrese	MD.	He/ko	0.412	9.330	1	7/ 7/99	7:56	M. Cobb	3270C	8351
lexachlorobenzen-	KD	rarko.	0.417	0.330	1	7/ 7/99	7:58	n. Cobb	3270C	8351
dexachlorobutadiene	HE	114/kg	0.412	0.350	1	7/ 7/99	7:56	M. Cobb	8270C	8351
iexachlorocyclopentasiene	<b>OK</b>	Hq/ka	0.412	3, 350	1	7/ 7/99	7:56	M. Cobb	6270C	8351
exacularoethane	HD	Hark 3	8.412	0.330	1	7/ 7/99	7:56	n. Cobb	8270C	3351
indencil,2,3-od)syrene	ND	ng/ko	0.412	0.330	1	7/ 7/99	7:58	H. Cobb	8270C	8351
sopharane	XD.	ng/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8278C	8351
2-Methylnaphthalene	ND	ng/kz	0.412	0.330	1	7/ 7/99	7:58	M. Cobb	8270C	9351
2-Methyiphenol	HD	ng/ka	0.412	0.330	1	7/ 7/99	7:56	n. Cobb	8270C	8351
n.p-Methylphenol	ND	ng/kg	0.412	0.330	1	7/ 7/99	7:56	n. Cobb	8270C	8351
Yaphthalene	HD	ngeka	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
2-Mitrosmiline	מא	ng/ko	1.03	0.375	1	7/ 7/99	7:56	n. Cobb	3270C	3351
:-Witrosmiline	ND	itg/ko	1.03	0.825	1	7/ 7/99	7:58	n. Cobb	3270C	3351
Hitroamılime	ND OK	itg/kg	1.03	0. 325	1	7/ 7/99	7:56	n. Cobb	3270C	8351
itrobenzene	HD	ng/kg	0.417	0.330	1	7/ 7/99	7:56	ff. Cobb	3270C	8351
i-Hitrophenol	WD.	ng/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8278C	8351
1-Witrophenel	OH.	ng/ka	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
mitrosodi-n-propulamine	KD	10/ks	0.417	0.338	1	7/ 7/99	7:56	n. Cobb	8270C	8351
-nitrosodiphenylamine	30	ng/kg	8.417	0.330	1	7/ 7/99	7:55	n. Cobb	8270C	3351
'entachlorophenoi	AD.	ng/kg	1.03	0.825	1	7/ 7/99	7:56	M. Cobb	8270C	8351
henanthrene	ND.	nazka	0.412	0.350	1	7/ 7/99	7:56	n. Cobb	8270C	8351
*henoi	KD	ng/kg	0.412	0.330	1	7/ 7/99	7:56	n. Cobb	3270C	8351
Turene	ND CK	ng/kg	8.412	0.330	1	7/ 7/99	7:56	n. Cobb	8270C	8351
is(2-ethylhexyl)phthalate	RD	ng/ko	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	6351
.,2,4-Trichlorobenzene	HD	ng/kg	0.412	0.330	1	7/ 7/99	7:56	M. Cobb	8270C	8351
.4.5-Trichlorophenol	AD.	HQ/kg	1.03	0.325	1	7/ 7/99	7:56	M. Cobb	3270C	8351
7,4,6-Trichlorophenol	ND	на/ко	0.412	0.330	1	7/ 7/99	7:56	n. Cobb	8270C	3351
WOLATILE BREAKIESH										
Roetone	ME	ngeka	0.0125	0.0100	1	7/ 4/99	18:43	3. Hani	5260B	B544
ioroleta	CK.	ng/ka	8.0125	0.0100	1	7/ 4/99	18:43	3. Wani	82688	B544
-crylonitrile	KD	no/ko	8. 8125	3.0100	1	7/ 4/99	18:43	S. Hani	3260A	3544
enzene	HD HD	ing/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	3260II	3544
(ronobenzene	MD	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	Z. Wani	3260N	3544
ronocaloromethane	ND	Hg/kg	0.0025	0.0020	1	7/ 4/99	13:43	Insk .2	32600	3544
ronctorn	CK	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	6260B	8544
ironomethane	ND	Hq/kq	0.0075	0.0020	1	7/ 4/99	18:43	J. Hani	3260N	3544
-Rutanone	HD	ng/kg	0.0125	0.0100	1	7/ 4/99	18:43	insk .2	3260T	8544
-Nutylbeazene	HD	ng/kg	0.0023	0. <b>0020</b>	1	7/ 4/99	18:43	S. Wani	8260N	8344
iec-Butylbenzene	<b>43</b>	ng/kg	0.0025	0.0020	1	7/ 4/99	18: 43	3. Want	82608	8544
Nutylbenzene	ND.	ng/kg	0.0025	0.0020	1	7/ 4/99	13:43	S. Wani	8260E	3544
Carbon disulfide	HD	Hq/kq	0.0025	0.0070	1	7/ 4/99	18:43	Z. Hani	8260T	8544



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: 766-55-6-6-99

malyte	Result	Units	Report	Quan Limit	Dil Factor	Date	Tine	Analyst	Method	Batch
					-					
arbom tetrachloride	ND	Herke	0.0025	0.0020	1	7/ 4/99	18:43	S. Mani	3260F	3344
hlorobenzene	MD	ng/kg	0.0025	0.0020	1	7/ 4/99	18: 43	S. Hani	8250II	8544
Moroethane	KD	Harke	0.0025	0.0020	1	7/ 4/93	18: 43	3. Wani	8260B	8544
-Chloroethylvinylether	Alle	ngckg	0.0025	9.0029	1	7/ 4/99	18:43	3. Wani	6260B	8544
ALoroforn	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	J. Wani	62608	B544
Migronethane	ND	Ho/ko	0.0075	0.0020	1	7/ 4/99	18: 43	S. Hani	8260N	8544
-Chlorotcluene	HD	na/ko	0,0025	0,0020	1	7/ 4/99	13:43	5. Hani	3260T	3544
-Chlorotoluene	HD.	ngrko	0.0025	0.0020	1	7/ 4/99	13: 43	E. Hani	3260B	3544
.2-Dibrono-i-chlorogropane	HD.	ng/kg	0.0125	0.0100	1	7/ 4/99	18:43	S. Hani	82608	8544
ibromochloromethane	HD	ngelig	0.0025	3,3020	1	7/ 4/99	18:43	S. Wani	82606	8544
,2-Dibromethage	OW	ng/ka	0.0025	6.0020	1	7/ 4/99	18:43	3. Wani	8260B	8544
Ubromomethane	MD	ng/kg	8.8025	0.0020	1	7/ 4/99	18:43	5. Wani	62688	8544
.4-Oichloro-2-butene	MD ON	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	82608	8544
,2-Dichlerobenzone	ND	ng/ka	3.0025	0.0020	1	7/ 4/99	18:43	S. Wani	3260TI	8544
,3-Dichlorobenzene	ЖD	ng/ka	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8760II	3544
.4-Dichlorobenzene	ND	ng/ke	9. 0025	0.0020	1	7/ 4/99	13: 43	S. Wani	8260E	3544
ichlorodifluoromethame	HD	ng/ku	0.0025	0.0020	1	7/ 4/99	18:43	3. Hani	82608	8544
,1-Dichlorcethane	ND	ng/ke	3.8025	0.0020	1	7/ 4/99	18: 43	S. Hani	3260R	8544
.2-Dichloroethane	HD	ng/ka	0.0025	J. 0020	î	7/ 4/99	13: 43	S. Hani	3260E	3544
1.1-Dichloroethene	HD	Hq/kq	0.0025	8. 0020	1	7/ 4/99	18: 43	S. Wani	3260E	3544
is-1,2-0:chlorgatheme	RD	Hq/kq	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	82608	8544
rans-1,2-Dichloroethene	40	narka	0.0025	0.0020	1	7/ 4/99	18:43	S. Hani	8260B	8544
,2-Dicaloropropanc	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	8260B	8544
3-Dichloropropage	MD	ngrke	0.0025	8.0020	1	7/ 4/99	13:43	S. Hani	32600	3544
,2-Dichloropropane	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	82608	8544
.1-Dichloropropene	AB.	ng/ka	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	82608	8544
is-1,3-Dichloropropene	OK	ngeka	0.0025	0.0020	1	7/ 4/99	18:43	12.0	8260B	8544
rans-1.3-Dichloropropene	GK GK	ng/kg	0.0025	8.0020	1				8260B	8544
Ehglbeazene	GK	na/ka	0.0025	0.0020	1	7/ 4/99	18:43		6260B	8544
exaculorobutadiene	ND.	ng/kg	3.0025	0.0020		7/ 4/99	1775,150	S. Wani		
!-Hexanone	MD	ng/ko	0.0125		1		18: 43	S. Hani	8260E	8544 8544
Codonetaane	ND	ng/ks	0.0025	0.0100	1	7/ 4/99	18:43	S. Hans	32608	3544
Sopropulbenzene	HD				1	- 60	18: 43	S. Nani	3260B	
-Isopropyltaluene	ND OK	ng/kg	0.0025	3,0020	1	7/ 4/99	18:43	S. Mani	8260R	8544
ethyl methacrylats	ND.	ng/kg	0.0025	3.0020	1	7/ 4/99	18:43	S. Waai	82608	8544
		ng/kg	0.0062	0.0050	1	7/ 4/99	9:10	K. Hill	8260R	3816
I-Methyl-Z-pentanone	ЖD	ng/kg	0.0125	0.0100	1	7/ 4/99	13: 43	S. Want	3250R	8544
dethylene chloride	GK GK	ngeka	0.0125	0.0100	1	7/ 4/99	18: 43	S. Hani	8260B	8544
(aphthalene	MD.	ngrica	0.0025	0.0020	1	7/ 4/99	18:43	S. Mant	82608	E544
i-Propylbenzana	NO.	ng/kg	0.0025	9.0020	1	7/ 4/99	18:43	S. Wani	8260B	B544
tyrene	AD	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	I. Hani	3260E	3344
.1,1,2-Tetrachloroethane	AD.	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Hani	8260B	8544
,1,2,2-Tetrachlorcethane	KD	ng/kg	0.0025	0.0020	1	7/ 4/99	18: 43	S. Wani	3260U	8544
etrachioroethene cluene	dh ak	ng/kg ng/kg	0.0025 3.8025	0.0020	1	7/ 4/99	18:43	Z. Hani	82600 82600	8544 8544



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#### ANALYTICAL REPORT

Laboratory Number: 99-A96321 Sample ID: 766-55-6-6-99

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Phalute	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Tine	Analyst	Method	Datch
	**********				-					
1,2,3-Trichlorobenzene	HD	ng/kg	0.0025	a. D020	1	7/ 4/99	18: 43	S. Wani	3260E	8544
1,2,4-Trichlorobenzene	HD	Hq/ka	0.0025	0.0020	1	7/ 4/99	13:43	S. Wani	3260D	3544
i,i,i-Trichloroethame	HD	sig/ka	0.0025	0.0020	1	7/ 4/99	13: 43	S. Mani	82600	3544
1,1,2-Trichloroethame	HD	Horks	0.0025	0.0020	1	7/ 4/99	13: 43	S. Wani	3260D	3544
Trichloroethane	HD.	19/89	7.0025	0.0020	1	7/ 4/99	18:43	S. Maai	82686	8544
1,2,3-Trichloropropage	AD.	MARKE.	0.0025	0.0020	2	77 4/99	18:43	Z. Mani	826BB	8544
1,2,4-Trimethylbenzene	HD	119/kg	0.0025	0.0020	2	1/ 4/99	18:43	S. Hani	8260B	8544
1,3,5-Trimethylbenzene	HD.	ma/ko	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	3260E	3344
Fingl anetate	30	ng/ka	0.8125	0.0100	1	7/ 4/99	18:43	S. Wani	82608	8544
Vingl chloride	40	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Hani	82608	8544
Kylenes	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Mani	8260B	8544
Bronodichloromethame	ND	ng/kg	0.0025	0.0020	1	7/ 4/99	18:43	S. Wani	82606	8544
Trichlorofluoromethana	HD	ng/ka	0.0025	0.0020	I	7/ 4/99	18:43	S. Wani	82608	8544
Methyl-t-butyl ether	RD	Hg/ka	0.0125	0.0050	I	7/ 4/99	18:43	S. Want	82606	8544
SGENERAL CHEMISTRY PARAMET	ERSN									
I Dry Weight	50.	3.			1	7/ 6/99	17:11	Π. Cauthen	CLP	5848

Cample Extraction Data

Faraneter	St/Vol Extracted	extract Vol	Date	Analyst	Method
WA's promies	30,0 gm	1.0 ni	7/ <b>2/99</b>	Fitzuater	3550
	3,0 g	5.6 ni	5/3 <b>0/9</b> 9	S. Hami	5035

Torrogate	4 Recovery	Target Range
Sandari and the sand sand sand sand sand sand sand sand		
urr-1,2-Dichloroethane, 44	132.	48 180.
surr-Toinene 33	98.	79 119.
surr-4-Granufluorabenzene	78.	89 135.
surr-Bibromorlyovomethame	106.	63 135.
:urr-Witrobenzene-45	36.	20 110.
surr-2-Tuordoiphengl	63.	18 110.
surr-Terphanyl dl4	67.	27, - 128.
surr-Phanol do	37.	10 111.
purr-2-Fluorophenol	41.	10 107.
surr-2,4,6-fribromophenol	63.	14 110.

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#### ANALYTICAL REPORT

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

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ill samples have been corrected for any weight.

Report Approved By:

Report Date: 7/ 8/99

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

Laboratory Certification Number: 387

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

#### ANALYTICAL REPORT

JEACE-SAVANNAH DISTRICT 3995 MARK HARVISON

100 WEST SGLETHORPE AVE 3AVANNAH, GA 31402

Project:

Potject Name: LB 755 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

			250066	3010	711					
nalitie	Result	Marke	Linit	Limit	Factor	Pate	Tine	Analyst	Method	Bato
***************	********		******							
EXTRACIABLE BREAMICSM										
senaphthene	db	Harka	3 412	3,328	1	7/ 7/29	4:41	M. Cobb	3270C	3351
sensahthylene	39	ng/kg	3.412	7.555	1	7/ 7/99	4:41	II. Cobb	3270C	8351
nthracene	HD	ma/kg	9, 412	0.500	1	7/ 7/99	4:41	n. Cobb	8270C	8351
enzoca/anthracene	HD	#4/8 T	7.412	7.550	1	7/ 7/99	4:41	M. Cobb	3270C	8351
anzo(a) parane	30	59/64	1 412	11, 953	*	7/ 7/99	4:41	M. Cobb	5270C	8351
+nzo.b)fluoranthene	HD	au/8:	7. 212	1,650	1	7/ 7/99	4:41	n. Cobb	8278C	8351
enzoig,h.ilpermiene	CF.	40/kc	0.412	0.330	1	7/ 7/99	4: 41	M. Cobb	3270C	3351
enzoik'Fluoranthene	113	ag/kg	9.412	3.330	1	7/ 7/99	4:41	n. 6056	9270C	8351
-bromophenulphenulether	42	ne/k1	7, 412	3, 550	1	7/ 7/99	4:41	M. Cobb	8270C	8351
utgleenzalohthalate	40	an/ka	0.412	3.340	1	7/ 7/99	4:41	A. Cobb	3270C	8351
37 <b>0</b> 52018	ViD.	10/K2	0.412	0, 330	1	7/ 7/99	4: 41	M. Cobb	3270E	3351
-Chloro-3-metaulphenoi	19	74/1:	7. 412	2,330	1	7/ 7/99	4:41	n. Cobb	3278C	3351
-Chlorymailine	10	-1/101	1, 412	Hap 50	1	1/ 7/99	7: 41	M. Cobb	₹270C	9351
15/2-Chlorcethoxy)methane	10	ng/kg	3.412	0.338	1	7/ 7/99	4-41	A. Cobb	3270C	3351
is(2-Chloroethyl)ether	ND.	19/kg	0. 412	1.350	1	7/ 7/99	4:41	T. Cobb	8270C	8351
is(2-Chloroisopropyl)ether	40	na/kg	9.412	330		7/ 7/99	4:41	ff. Cobb	8270C	8351
-Chloronaphthalene	AB.	eq/ke	7 412	1.930	1	7/ 7/99	4:41	a. Cobb	8270C	8351
-Shloropaenol	40	ha/ka	0.412	7.320		7/ 7/99	4:41	ii. Cobb	8270C	8351
-Chloropnepulphenulether	40	ng/ko	0.412	3,330	1	7/ 7/99	4: 41	n. Cobb	3270C	8351
hrusene	310	-0/kg	0.417	0.330	1	7/ 7/99	4:41	M. Cobb	3270C	3351
(benzoforan	43	ng/kg	0.412	0.530	i	7/ 7/99	4:41	n. Cobb	8270€	8351
ibenz(1,a);athricene	40	ng/kg	0.412	7.330	1	7/ 7/99	4:41	n. Cabb	8270C	8351
,2-Dichlurobenzene	20	ngrkg	3.412	7. 950	1	7/ 7/99	4:41	T. Cobb	S270C	8351
T-Dichlorobenzene	4D	dg/kg	3.417	0.330	1	7/ 7/99	4:41	ff. Cobb	3270C	3351
4-Dichloropenzene	KD	no/ko	0.412	0.330	1	7/ 7/99	4:41	ff. Cobb	3270C	3351
.3'-DichlorobenziGine	10	nazka	3.825	0.660	1	7/ 7/99		000000000000000000000000000000000000000	6270C	8351
S-Dichlorophenol	HD	Ha/ka	0.412	0.000	1	100	4:41	n. Cobb	3270C	3351
iethulohthalate	4D	Ha/ka	0.412	0, 330		7/ 7/99	4:41	n. Cobb	3270C	3351
4-Dinethulphenol	MD.				1	7/ 7/99	4:41	M. Cobb		12.25
inetholohthalate	40	hg/ke	0.412	3.330	2	7/ 7/99	4: 41	H. Cobb	3270C	3351
	1100	udypd	3.412	0.330	1	7/ 7/99	4:41	A. Cobb	3270C	8351
i-n-butylphthalate	40	ng/kg	0.412	0.530	1	7/ 7/99	4:41	n. Cobb	8270C	8351
5-Dinitro-I-methylphenol	HD	ng/kg	1.03	3. 525	1	7/ 7/39	4:41	n. Cobb	3270C	3351
.1-Dinitrophenol	40	ng/kg	1.03	0.825	1	12 7/99	4:41	H. Cobb	8270C	E351
A-dinitrotolueme	40	nuk:	0.412	0.950	1	77 7799	4:41	n. Cobb	8270C	8351
,6-Dinitrotoluene	#D	ta/ka	3.417	0.330	1	7/ 7/99	4: 41	n. Cobb	3270C	3351



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#### ANALYTICAL REPORT

Laboratory Number: 99-A96316 Sample ID: 766-85-7-6-99

:nalyte	Result	Units	Report	Auan Limit	Dil Factor	Date	Time	Analyst	Method	Pate
							-			_
u-a-octylphthalate	.40	norka -	9.412	0.930	1	7/ 7/99	4:41	M. Cobb	8270C	8351
Luoranchene	40	10/kg	1.412	7. 990	1	7/ 7/99	4:41	M. Cobb	9270C	8351
luorene	40	~4/kg	7.412	0.338	1	7/ 7/99	4:41	il. Cobb	6270C	8331
exachloropenzene	40	10/KG	3. 412	0.330	1	7/ 7/99	4: 41	n. Cobb	3270C	3351
exachlorobutadiene	HD	13/kg	0.412	0.330	1	7/ 7/99	4: 41	M. Cobb	3270C	3351
exachlorocyclopentadiene	110	nyeka	3.412	1, 536	1	77 7/99	4:41	a. Cobb	8270C	3351
exachlornethane	AD.	anika.	9.412	0.350	1	7/ 7/99	4:41	il. Cobb	8270C	8351
Cadeno(1,2,5-cd)pyrene	ND	mark g	7.422	3, 230	2	7/ 7/99	4:41	M. Cobb	8278C	8351
Sophorose	HD OF	ng/ka	9.412	3.990	1	7/ 7/99	4:41	n. Cobb	8270C	8351
Nethylnophthalene	ND.	.:q/kg	ũ. 412	0.330	1	7/ 7/99	4:41	M. Cobb	3270C	3351
!-Methylphenol	₩D	Ag/kg	3.412	3. 330	1	7/ 7/99	4:41	n. Cobb	3270C	8351
n,p-Methylphenol	ND.	narka	6.412	0.330	1	7/ 7/99	4:41	ff. Cobb	8270C	8351
Haohthalene	HD	na/ka	0.412	9. 930	i	7/ 7/99	4:41	n. Cobb	8270C	8351
2-Mitroaniline	HD	Hg/kg	1.03	0. 325	1	7/ 7/99	4:41	n. Cobb	3270C	8351
-Hitronniline	AD.	Eds. p.d.	1.03	9.825	1	7/ 7/99	4:41	1000		
1-Hitrogarline	30	nazka	1.03	0.625					6270C	8351
itropenzene	KD 45	1. S. 19. C.			1	7/ 7/99	4:41	M. Cobb	8270C	8351
2-Mitrophenol	HO 0H	ha/ka	0.412	0.330	÷	7/ 7/99	4:41	M. Cobb	8270C	8351
-Mitrophenoi		Hg/kg	0. 412	0. 330	÷	7/ 7/99	4:41	n. Cobb	3270C	8351
	NO.	Harky	1.93	0.825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
-nitrosodi-n-propylanine	ac	Hat ka	0.412	1, 330	1	7/ 7/99	4:41	M. Cobb	8270C	8351
-nitrosodiphengianine	36	ng/kg	0.412	1.330	.1	7/ 7/99	4:41	M. Cobb	8270C	8351
'entachioropaenol	HD	46/85	1.03	5. 325	1	7/ 7/99	4:41	n. Cobb	3270C	3351
henanthrene	MD	:184KC	0.412	0.330	1	7/ 7/99	4:41	n. Cobb	3270C	3351
hanei	तंछ	mg/kg	0.412	9,350	1	7/ 7/99	4:41	n. Cobb	8270C	8351
grene	40	ng/kg	0.412	0.338	1	7/ 7/99	4:41	M. Cobb	8270C	8351
is(Z-arhelhexyl)phthalate	40	na/ka	0.412	9.330	1	7/ 7/99	4:41	M. Cobb	8279C	8351
.2,4-frichlorobenzene	ОК	na/los	1.412	0.550	1	7/ 7/99	4:41	M. Cobb	8270C	8351
4,5-Trichlorophenol	MD.	Harks.	1.03	1) 825	1	7/ 7/99	4:41	M. Cobb	8270C	8351
.4,6-77ichlarcphemol	HD	itgeka	0. 412	2.330	1	7/ 7/99	4:41	n. Cobb	3278C	3351
-VOLATILE DESANICSM										
cetone	HD	narka	0.0125	0.0100	1	7/ 4/99	14:13	S. Hani	3260H	3544
croleic	KD	ng/kg	0.0125	0.0100	1	7/ 4/99	14:13	E. Mani	3260R	3544
crylonitrils	ЖD	ng/ke	0.0125	0.0100	1	7/ 4/99	14:13	S. Wani	3260A	8544
enzene	ND.	ng/kg	8.0025	0.0020	1	1/ 4/99	14:13	S. Wani	82600	8544
TOHOTE 126%	MD.	ag/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	3760R	8544
roncohioronethane	ON	HQ/KQ	0.0025	0,0020	1	77 4/99	14:13	S. Hani	3260K	3544
PROTORM	40	Harris.	0.0825	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
romomethane	40	19/62	0.0025	9.0020	1	7/ 4/99	14:13	S. Mani	82606	8544
-Butanone	SO	mark4	0.0125	0.0100	1	7/ 4/99	14:13	S. Hani	8268B	8544
-Butulbenzene	HD	Ha/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	3260B	3544
leg-Butylbenzene	HD	#a/ka	0.0025	6.0020	1	7/ 4/99	14:13	3. Wani	8260B	8544
-Butalsenzase	70	44/84	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	6260B	8544
arbon Wisulfide	ND	ng/ka	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544



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#### ANALYTICAL REPORT

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

Alorobenzene Aloroben ne -Chloroben ne Aloroforn Aloroforn Alorometaane -Chlorotolubne -Chlorotolubne -Chlorotolubne -2-Dibromo-3-uhloroprosane ibromochlorometaane .2-Dibromoetaane ibromometaane .4-Dibaluro-2-butene	100 100 100 100 100 100 100 100 100 100	nd/kş nd/kq ng/ka ne/ks ne/ks ne/ks ne/ks ne/ks ne/ks	9.0625 5.0025 0.6025 0.0025 0.0025 0.0025 0.0025 0.0025	0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7/ 4/99 7/ 4/99 7/ 4/99 7/ 4/99 7/ 4/99 7/ 4/99	14:13 14:13 14:13 14:13 14:13	G. Wani S. Wani S. Wani S. Wani S. Wani S. Wani	82606 82606 82606 82600 82600	8544 8544 8544 8544
Alorobenzene Aloroben ne -Chloroben ne Aloroforn Alorometaane -Chlorotolubne -Chlorotolubne -Chlorotolubne -Chlorotolubne -2-Dibromo-3-uhloroprobane ibromochlorometaane .2-Dibromoetaane ibromometaane .4-Dibaluro-2-butene	100 100 100 100 100 100 100 100 100 100	marka marka marka marka marka marka marka marka	6,0025 0,0025 0,0025 0,0025 0,0025 0,0025 0,0025 0,0025	3,0020 3,0020 0,0020 3,0020 3,0020 0,0020 9,0020	1	7/ 4/99 7/ 4/99 7/ 4/99 7/ 4/99	14:13 14:13 14:13 14:13	S. Wani S. Wani S. Wani S. Wani	8260B 8260B 8260K	8544 8544 8544
Alordethins -Chlordethulvinglether Alordform Aloroform Aloromethame -Chloratoluene -Chloratoluene -2-Dibromo-3-uhloroprosame ibromochloromethame .2-Dibromoethame ibromomethame .4-Diahluro-2-butene	10 10 10 10 10 10 10 10 10 10 10	marka marka marka marka marka marka marka marka	0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0125	3,0020 9,0020 3,0020 3,0020 9,0020 9,0020	1	7/ 4/99 7/ 4/99 7/ 4/99	14:13 14:13 14:13	S. Wani S. Wani S. Wani S. Wani	8260B 8260B 8260K	8544 8544
-Chloroethelvinglether hloroform wloromethame -Chlorotolvene -Chlorotolvene ,2-Dibromo-3-whloropropame ibromochloromethame ,2-Dibromoethame ibromomethame ,4-Dibhloro-2-butene	10 10 10 10 10 10 10 10 10 10 10 10 10 1	mg/ka ng/ka ng/ka ng/ka ng/ka ng/ka ng/ka	0.0025 0.0025 0.0025 0.0025 0.0025 0.0025	0.0020 0.0020 0.0020 0.0020 0.0020	1	7/ 4/99 7/ 4/99	14:13 14:13	S. Wani S. Wani	8260G 8260G	8544 8544
Aloroform Aloromethame -Chlorotolueme -Chlorotolueme ,2-Dibromo-3-uhloroprosame ibromochloromethame ibromomethame ibromomethame ,4-Diohluro-2-buteme	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ng/kg ng/kg ng/kg ng/kg ng/kg	0.0025 0.0025 0.0025 0.0025 0.0125	3,0020 3,0020 3,0020 9,0020	1	7/ 4/99	14:13	S. Wani Insk .3	8260R	3544
uloromethame -Chlorotolueme -Chlorotolueme -2-Dibromo-3-uhloroprosame ibromochloromethame .2-Dibromoethame ibromomethame .4-Diohluro-2-buteme	40 40 40 40 40 40	19/kg 19/kg 19/kg 19/kg	0.0025 0.0025 0.0025 0.0125	3,0020 3,0020 9,0020	4		0.01.02.01	27 20 200 -		
-Chloratoluene -Chloratoluene -Chloratoluene -Z-Dibrono-3-chloraprosane ibronochloromethane -Z-Dibronoethane ibronomethane -4-Dichluro-2-butene	40 40 40 40 40	ng/kg ng/kg ng/kg ng/kg	0.0025 0.0025 0.0125	0.0020 0.0020	1	7/ 4/99		15.1		3544
-Chlorateluene ,2-Dibrama-3-uhloraprosame ibromochlorametmane ,2-Dibramaetmane ibromaetmane ,4-Dichluro-2-buteme	HD HD HD HD	ne/ke ne/ke ne/ke	0.0025 0.0125	9.0020	30	11 11 11	14:13	S. Wani	8260B	8544
.2-Dibrama-3-obloraprosane ibromochloramethame .2-Dibramaethame ibramaethame .4-Diahluro-2-buteme	90 90 90 90 90	ng/kg ng/kg	0.0125		-	7/ 4/99	14:13	2. Hani	32600	3544
ibromochloromethane .2-Dibromoethane ibromomethane .4-Dichluro-2-butene	98 Он ОБ	mg/kg			1	7/ 4/99	14:13	S. Mani	3260R	8544
.2-Dibromoethane ibromomethane .4-Dichluro-2-butene	OK OK	mg/kg		6.0100	1	7/ 4/99	14:13	3. Mani	8260B	8544
ibronomethane ,4-Dichluro-2-butene	AD:		0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
.4-Dichluro-2-butene		Eq/Kq	0.0025	6,0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
* 0 P T T T T T T T T T T T T T T T T T T	Com.	Hu/ka	0.0025	9.0020	4	7/ 4/99	14:13	3. Wani	82608	8544
.2-Dichlurobenzene	GK.	mg/kg	9,0025	0.0020	1	7/ 4/99	14:13	S. Want	6260B	8544
	ÜĦ	my/kg	9.0025	7. 9020	1	7/ 4/99	14:13	S. Wani	8260B	8544
.3-Dichloropenzene	HD	ng/kg	6.8023	0.0020		7/ 4/99	14:13	S. Wani	8260B	8544
	68	ng/kg	0.0025	0.0028	1	7/ 4/99	14:13	3. Wani	8260B	8544
	KD.	ng/ke	0.0025	0.0020	1	7/ 4/33	14:13	2. Hani	3760B	8544
	KD	ag/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	3 <b>260</b> 0	8544
	HD	na/ka	0.0025	0.0020	1	7/ 4/99	14:13	3. Wani	8260B	8544
	ND.	ng/ka	0.0025	3.0020	1	7/ 4/99	14:13	S. Wani	3260E	3544
	MD.	ng/ka	9.0025	0.0020	1	7/ 4/77	14:13	S. Wani	3260E	2544
	40	ng/kg	0.0025	0.0020	1	7/ 4/99	14.13	S. Hani	8260B	8544
	OK	ng/kg	0.0025	0.0020	1	7/ 4/99	14:13	5. Wani	8260B	8544
	HD	ng/ka	0.0025	8.0020		77 4/99	14:13	S. Wani	3260T	3544
	HD	ng/kg	0.0025	0.0020	i	7/ 4/99	14:13	S. Mani	8260U	8544
	ND.	ne/ka	0.0025	0.0020	i	7/ 4/99	14:13	S. Wani	3260B	3544
	ND	ng/ka	0.0025	0.0020	î	7/ 4/99	14:13	S. Hani	82608	8544
	KD	ng/ka	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	8260B	8544
	<b>KD</b>	ng/ka	3.0025	0.3020	i	7/ 4/99	14:13	S. Hani	8260B	8544
	KD	ng/ka	0.0025	0.0020	1	7/ 4/33	14:13	S. Wani	37600	3544
	CH	ng/kg	9.8125	0.0100	Û	7/ 4/99	14:13	S. Wani	5260B	8544
	HO	ng/kg	9.0025	8.0020	1	7/ 4/99		5. Wani	S260B	8544
	KD	na/ka	0.0025	0.0020			56.85	2 0.000		3544
	10	ng/kg	0.0025	0.0020	1	7/ 4/99	14:13	S. Wani	326000	3544
	ND	ng/kg	0.0062	0.0050	1	7/ 4/99	7:10	K. Hill	3260T	3816
	HD	119/kg	0.0125	3.0100	i	7/ 4/99	14:13		3260B	3544
	4D	79/10	0.0125	0.0100	1	7/ 4/99			3260B	3544
	HD	hg/ka	0.0025	0.0020			14:13	E. Hani	3260B	3544
	HD	ag/ke	0.8075	0.0020	1	7/ 4/99	14:13	S. Wani	37608	3544
C 8 - 7 7 1	30		0.0025	0.0020			14:13			8344
	40	ng/kg			1	7/ 4/99	14:13	S. Wani	8260E	
에 집에 가를 하다면 보다면 그렇게 얼마면서 얼마를 가는데 없다.	#D	ag/ka	3. 0023	0.0020	1	7/ 4/99		S. Wani	32600	3544
	ND PR	Ho/ke	0.0025	0.0020	1	7/ 4/99	14:13	Luck 2	3260R	3344
	ND	ng/kg ng/ku	0.0025	0.0020 0.0020	1	7/ 4/99		S. Hani	82606 8260B	8544 8544



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

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malyce	Result	Jaits	Report Limit	THIE	011 Factor	Date	Time	Analyst	Nethod	Batol
									********	-
1,2,3-Trichlorobenzene	.8D	Hq/ks	0.0025	9.0020	1	7/ 4/99	14:13	S. Wani	3260B	8544
	50	30/k5	0.0025	9, 9020	1	7/ 4/99	14:13	S. Wani	3760II	8544
_,1,1-Trichloroethane	MD.	A9/22	0.0025	0.0020	1	7/ 4/79	14:13	3. Mani	3260R	3544
1,2-Trichloroethane	HD	Hall'ka	0,0025	a. 9020	1	7/ 4/99	14:13	3. Hani	3260II	8544
"rickloroettene	HO	March 4	7.0025	0.0020	1	7/ 4/99	14:13	S. Hani	8260B	8544
.I.2-Frickloropropage	HD.	16/kg	3.0023	0.0020	1	7/ 4/99	14:13	2. Nani	3760R	8544
.1.4-Franethulbenzeme	40	ngrha	5, 5025	3, 9020	2	7/ 4/99	14:13	2. Manı	3250B	3344
1,3,5-Trinethylbenzene	HD	313/165	3, 0025	0.0020	2	7/ 4/99	14:13	S. Hani	8260R	3544
Vingl acetate	43	#4/k1	7.0225	9. 9160	1	7/ 4/99	14:13	3. Hani	3268B	8544
dingl caloride	HD	and the	7.6825	0.0020	1	7/ 4/99	14:13	S. Wani	6260B	8544
inlenes	HD CIN	ng/kg	0.0025	3.3020	1	7/ 4/99	14:15	S. Wani	8260B	8544
pronodichloromethane	HD.	119/RG	0.0025	0.0070	1	7/ 4/99	14:13	S. Wani	8750B	8544
richlorofluoromethane	HD	Hq/kc	3.0025	0.0020	1	7/ 4/99	14:13	S. Mani	3260FI	3344
Methyl-t-butyl ether	ЖÐ	Hq/kq	3,0125	0.0050	1	7/ 4/99	14:13	S. Wani	8260B	8544
*GENERAL CHEMISTRY PARAME	TERSK									
% Dry Weight	30.	22			1	7/ 6/99	17:11	M. Cauthen	CLP	5848

46 = Not setected at the report limit.

-mole Excreption Data

эганесег	Wt/Vol Extracted	Extract Vol	Pate	Analyst	Sethod
.HA's	30.0 gm	1.0 ml	1/ 2/99	Fitzwater	3550
Talatile Erganics		5.0 ml	3/30/99	S. Wani	5035

Curregase	# Recovery	Farget Range
***************************************		
.urr-1,2-Dichloroethane, 14	119.	48 150.
jurr-foluene 49	79	79 119.
:urr-4-Bronofluorobenzene	96.	69 135.
surr-Diaromofluoromethame	.25.	63 135.
:urr-Witrobenzene-u5	31.	20 110.
urr-2-Fluorobishenul	55.	13 110.
surr-Terphanyl 414	59.	27 128.
curr-Phanel 05	15.	10 111.
-urr-21uorophenoi	35.	10 107.
Lorent Toritor on the Lorent L	£7.	14 110.



#### ANALYTICAL REPORT

Laboratory Number: 79-A76316 Sample ID: 766-88-7-6-99

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411 samples have been corrected for dry weight.

Report Approved Fu

Report Date: 7/ 8/99

Theodora G. Duelic, Ph.D., Lab Director Michael H. Gunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Services Eric Smith, Assistant Technical Director Gall A Lage, Technical Services

Laboratory Certification Number: 387



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

#### ANALYTICAL REPORT

JEACE-SAVANNAH DISTRICT 3995 MARK HARVISON 100 WEST JOLETHORPE AVE SAVANNAH, GA 31402

-00/8071

Project Name: LE 166 Bampler: MB/SW/HT Lab Number: 99-A96317 Sample ID: 766-55-8-6-99

Sample Type: Soil

Site ID:

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

nalyte	Result	Units	Report Limit	Linit	Dil Factor	Date	Tine	Analyst	nethod	Rato
~~~~				-						-
EXTRACTABLE BREAKIESS										
cenaphthene	HD.	ng/kg	3, 434	0 338	40	7/ 7/99	5:19	ff. Cabb	8270C	8351
cenachthuisce	db.	Ha/ku	0.434	0.350	1	11 7/99	5:19	M. Cobb	8270C	8351
nthracene	HD	ag/kg	0.434	3.330	1	7/ 7/99	5:17	ff. Coab	3270C	335
enzo(a) anthracene	4D	1146 kg	1.434	0.350	t	7/ 7/99	5:19	M. Cabb	8270C	835
enzo(a) purene	46	n Ma	1.434	3.330	1	7/ 7/99	5:19	M. Cobb	8278C	835
enzo(b)fluoranthena	HD	116/kg	0. 434	3.338	4	7/ 7/99	5: 19	n. Cobb	3270C	335
enzo(q,h,i)perulene	40	ag/ka	0.434	0.330	1	7/ 7/99	5:19	II. Cobb	3270C	835
enzo(k)fluorantmene	AD.	#4/k4	3.434	0.330	1	7/ 7/99	5:19	n. Cobb	8270C	835
-Kronophenuipheaulether	HĐ.	siq/kg	3. 434	0.338	1	7/ 7/99	5:17	ff. Cobb	3270C	335
utylbeazsiaktmaista	4D	na/ka	0.434	3.330	1	7/ 7/99	5: 19	ff. Cobb	3270C	335
erbezale	20	ng/ka	0.434	0.338	1	7/ 7/99	5:19	n. Cobb	3270C	335
-Chloro-s-retaulphenoi	MD.	no/ke	0.434	0.330	3	7/ 7/99	5:19	M. Cobb	3270C	335
-Chlorosutitue	40	nacka	3.434	5.930	1	17 7/99	5:19	M. Cobb	8270C	635
isi2-Chlorcethoxu/methane	20	darka	0.434	0.330	1	7/ 7/99	5:19	ff. Cobb	3270C	335
isk2-ChloroethusJother	KD	10/ks	3.434	2.330	1	7/ 7/99	5: 17	M. Cobb	3270C	835
is(2-Chloroisopropul)ether	20	no/ka	0.434	0.330	1	7/ 7/99	5:19	ff. Cobb	3270C	335
-Chloronaghthalane	30	marka	0.434	2.330	1	7/ 7/99	5:19	M. Cobb	9270C	835
-Chloropsenoi	40	Ho/kq	9.434	0.350	1	7/ 7/99	5:19	ff. Cobb	8270C	835
-Chloroomenglymenulether	ND	14/ka	0.434	0.330	2	7/ 7/99	5:19	M Cobb	8270C	835
hrysene	HD	Hack T	0.494	0.339	1	7/ 7/98	5:19	ii. Cobb	8270C	835
1 Denzoruras	HD	Hg/kg	0.434	0.330	1	7/ 7/99	5:17	M. Cobb	327DC	335
ibenz(),asthracene	db.	mg/ka	3.434	9, 338	1	7/ 7/99	5:19	M. Cobb	8270C	835
.2-Dicalorovenzene	HD	ng/kg	2.434	0.330	1	7/ 7/99	5:19	ff. Cobb	8270C	835
3-Dichlorobenzone	30	39/23	0.434	9.330	1	7/ 7/99	5:19	M. Cobb	3270C	335
4-Dicaloromenzene	40	54/kg	0.434	3.350	1	7/ 7/99	5:19	M. Cobb	8279C	835
.3'-Sichlarobenzisine	10	1197k4	9.868	0.660	1	7/ 7/99	5:19	n. Cobb	8270C	835
.4-Dicalerocheaol	110	44/kg	0.434	0.550	4	7/ 7/99	5.19	M. Cobb	8270C	835
lethulphthalaze	ND	10/kg	0. 434	0.330	1	7/ 7/99	5:19	ff. Cobb	3270C	835
.4-Dinetaulphenol	ND	norko	0. 434	G. 330	1	7/ 7/99	5:17	n. Cobb	3270C	835
imethqipathalato	40	mu/ka	0,434	9,330	1	7/ 7/99	5:19	M. Cobb	8270C	835
i-n-butqiphthalate	HD	30/kg	0.434	0.330	1	7/ 7/99	5:17	ff. Cobb	3270C	335
6-Dimitro-2-methulphenoi	RD	Hq/ka	1. 89	0.825	1	7/ 7/39	5:19	n. Cobb	3270C	835
.4-Dinitrophenol	40	#4/k4	1.09	0.825	1	7/ 7/99	5:19	n. Cobb	8270C	835
4-cinstrotoluene	ND	19/kg	3. 434	0.330	1	7/ 7/99	5:19	n. Cobb	8270C	835
&-Clastrotoluene	ND.	ng/kg	0.434	0,330	1	7/ 7/99	5: 19	ff. Cobb	8270E	835



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: 766-85-8-6-99

-nalyte	Result	Units	Report Linit	Ruan Linit	PII Factor	Date	Tine	Analyst	Tethod	Date
)1-n-octulphinalate	HD	ng/ke	0.434	0.330	1	7/ 7/99	5:19	n. Cobb	8270C	8351
luoranthene	140	Hg/ke	0. 434	0.330	1	7/ 7/99	5:17	H. Cobb	3270C	3351
luorene	40	Ha/ks	9,434	9.360	1	7/ 7/99	5:19	n. Cabb	8270C	8351
exaculoronenzene	GF.	40/k6	0.434	0.330	1	7/ 7/99	5:17	II. Cobb	3270C	8351
exachiorobutagiene	40	Harks	3, 434	0.330	1	7/ 7/99	5:19	H. Cobb	3270E	8351
dexachlorocyclopentadiene	N9	1926.3	0.434	0.330	1	7/ 7/99	5:19	n. Cobb	8270C	8351
exacularmethane	40	49/15	0, 434	3.330	1	7/ 7/99	5:19	n. Cobb	8270C	3351
indencii.2,3-cd) oprene	MD	Hark:	0.434	0.330	1	7/ 7/99	5:19	n. Cobb	8270C	8351
Sopharane	40	mg/kg	0.434	0.250	1	7/ 7/99	5:19	M. Cobb	8270C	8351
-Methylmaphthalone	40	na/ks	0.434	9.330	2	7/ 7/99	5:19	n. Cobb	8270C	8351
2-Methglphenol	HD	ne/ks	0.434	9.330	1	7/ 7/99	5:17	n. Cobb	3270C	8351
o,p-Methylpheaol	HD	na/ke	0.434	0.350	1	7/ 7/99	5:19	n. Cobb	8270C	8351
taphthalene	HD	rack a	0.434	0.350	1	7/ 7/99	5:19	M. Cobb	8270C	8351
-Hitrosasline	QK	necks	1.07	0.825	1	7/ 7/99	5:19	ff. Cobb	8270C	8351
-Mitroan:iine	10	na/k.1	1.09	0.825	1	7/ 7/99	5:19	a. Cobb	8278C	8351
Mitrosmiline	HD	Hg/ks	1.07	0.825	1	7/ 7/99	5:19	n. Cobb	3270C	8351
titrobenzene	HO	ng/k-1	0.434	0.530	1	7/ 7/99	5:19	M. Cobb	8270C	8351
-Mitrophemoi	HD CH	Hg/kg	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
i-Hitrognamoi	dh.	mg/kg	1.09	9.825	1	7/ 7/99	5:19	M. Cobb	8270C	8351
-nitrosodi-n-propulanine	ND	tig/ka	0.434	0.330	1	7/ 7/99	5:17	n. Cobb	8270C	3351
-mitrosociphenulanine	ND:	se/ka	0.434	0.330	1	7/ 7/99	5:13	n. Cobb	8270C	3351
Pentachiorognesol	40	ng/ka	1.09	0.325	1	7/ 7/99	5:19	n. Cobb	3270C	3351
-benanthrone	HD	ng/kc	0.434	0.330	1	7/ 7/99	5:19	n. Cobb	8270C	3351
heaci	40	nge'k.	0.434	0.330	1	7/ 7/99	5:19	M. Cobb	8270C	8351
urene	ND CH	dark.s	9.434	0.330	1	7/ 7/99	5:17	n. Cobb	3270C	3351
45(2-ethalbexul)phthalate	CK	ng/kg	0.434	0.330	1	7/ 7/99	5:19	H. Cobb	3270C	3351
.2,4-Trichlorobenzene	HD	mg/kg	0.434	0.330	1	7/ 7/99	5:19	n. Cobb	8270C	8351
4.5-Thichlorophenol	RD	24,00	1.09	9,325	1	7/ 7/99	5:19	n. Cobb	3270C	8351
,4,6-Trichlorophenol	HD	19/ks	3.434	0.330	î	7/ 7/99	5: 17	n. Cobb	3270C	3351
-VOLATILE DESAWICS*										
Setone	4D	48/kg	0.0132	0.8100	1	7/ 4/99	16: 23	S. Hani	3760D	3544
croleis	NO.	29/3.9	0.0137	0.0100	1	7/ 4/99		5. Want	5260B	B544
-orgionicytle	40	ng/kg	0.0132	0.0100	1	7/ 4/99		S. Mani	8260A	8544
enzene	HD	na/ka	0.0028	0.0020	1	7/ 4/99	15: 23	S. Hani	3280E	3544
ronoveazeas	AD.	rop/k.g	3.0026	0.0020	1	7/ 4/99	16:28	3. Want	82608	8544
Promochiovomethane	ND	ng/kg	0.0026	9.8020	1	7/ 4/99	18:28	S. Wani	82608	8544
ironoform	AD.	ng/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
Fromome: Name	HD	ma/ka	0.0026	0.0020	1	7/ 4/99	16:28	3. Wani	6260B	8544
'-Rutanone	מני	ng/kg	0.0132	0.0100	1	7/ 4/99	16:28	3. Hani	3 <b>760</b> 0	8544
Butqloeszene	AD:	nack s	0.0028	0.0020		7/ 4/99	16:28	J. Want	82608	6544
es-Eutyl)enzene	ND	114/h (	0.0026	0.0020	1	77 4/99	16:28	2. Mani	62606	8544
-Butulbenzene	HD	au/ka	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	8260B	8544
arbon displise	HD	sg/kg	0. 8026	0.0020	1	7/ 4/99	16: 28	S. Wani	3260R	8544



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

and the	Result	Unite	Report Limit	Puan Limit	Factor	Date	Tine	Analyst	Rethod	Natch
				-	-					
arben catrachieride	HD	ng/ke	0.0025	0.0020	1	7/ 4/99	16:28	S. Wani	3260B	8544
hlorobenzene	3E	rig/k-t	0.0026	0.0020	1	7/ 4/99	16:28	3. Wani	82608	8544
aloruethame	TO	#4/kg	0.0026	9.0020	1	7/ 4/99	16:28	S. Mani	82608	8544
-Chlorotchulvisuletter	HD.	mq/4:2	3, 9026	0.0020	2	7/ 4/97	16: 23	S. Wani	3260N	3544
hloroform	HD CH	H8/145	0.0076	0.0020	1	7/ 4/99	16:28	S. Wani	326DR	8544
Moromet'same	ND C	50/F3	9. 0026	0.0020	1	7/ 9/77	16: 28	S. Wani	3260N	3544
-Chlorotoluene	HD.	ng/45	0.0025	0.0020	1	7/ 4/99	16:23	S. Wani	8260B	3344
-Chlorotoluene	XD	riq/k 2	0.0078	3.0020	1	7/ 4/99	16: 28	S. Wani	8760E	3344
,7-Dibromo-3-whioropropane	MD CH	dg/1-5	0.0137	0.0100	1	7/ 4/99	18: 28	S. Hani	3760T	3344
ibromochloremethane	HD	ne/kt	0.0073	0 0020	1	7/ 4/99	15: 28	S. Mani	37600	3344
.Z-Dibronoethame	HD	ne/kc	3. 8025	0.0020	1	7/ 9/97	16:28	S. Wani	8260M	3344
ibronomethane	ND CEN	sterks.	0.0878	0.0020	1	7/ 4/99	16:28	S. Wani	3760R	3544
.4-Dichloro-2-butene	40	ng/ka	0.0025	9.0020	1	7/ 4/99	16:28	7. Wani	82600	8544
.,Z-BichLorobenzane	70	24/81	0.8026	4,0020	2	7/ 4/99	16:28	S. Mani	82608	8544
,5-Bicaloropenzene	76	no/kn	4.0026	0.6026	1	7/ 4/99	16.26	S. Want	8260E	8544
.4-Dichlorobenzene	MD	на/ка	0. 6026	0.0020	1	7/ 4/99	16:28	S. Wani	32600	8544
ichlorod:fluoromethane	<b>XD</b>	Hg/ke	B. 0028	0.0020	1	7/ 4/99	16: 28	insH .2	32600	3544
.1-Dichloroethane	ND	ng/k2	0.0028	0.0020	1	7/ 4/99	16:28	S. Wani	3260E	3544
.2-Dichlercethame	ND	au/ko	0.0026	0.8020	1	7/ 4/99	16:28	S. Wani	3760B	3544
.1-Dichloroethene	MD.	ng/ka	0.0026	0.0020	•	7/ 4/99	16: 28	S. Wani	3260B	3544
25-1.7-0:chiorcethene	4D	18/10	6.0028	0.0020	î	7/ 4/99	16:28	3. Wani	3260R	3544
rans-1 1-Dichiercethese	#D	09/k0	0.0028	U. 0020	1	7/ 4/99	16:23	S. Hani	3260R	3544
2-Dichloropropage	70	na/kot	0.0026	0.0020	-	7/ 4/99	16:28	S. Mani	92608	8544
.3-Bichleresropane	#D	au/ke	0.0076	0.0020	1	7/ 4/99	16: 23	S. Wani	82600	3544
.2-Dictlerepropage	4D	eg/ke	0.0028	0.0020	1	7/ 4/99	16:23	S. Wani	32800	3544
.1-Bicalorapropene	40	ng/koj	9.0026	0.0020	î	7/ 4/99	16:28	S. Hani	82608	8544
is-1.3-Diskluropropene	rito.	ng/kg	0.0026	0.0020	1	7/ 4/99	16:28	S. Wani	5260B	8544
rans-1 3-Dichloroprosene	4D	HG/k3	0.0026	9.0020	1	7/ 4/93	16: 28	S. Wani	3260R	8544
thulbearene	HD GH	139/KB	0.0028	0.0020		7/ 4/99	16. 28	S. Wani	32600	3544
exacularobutadiene	40	ng/kg	3.0024	0.0020	1	7/ 4/99	16:26	3. Wani	8260B	8544
-Hexanope	30	na/kit	0.0132	0.0100	1	7/ 4/99	16:28	5. Wani	82608	8544
odonetaase	ND.	ng/k 1	0.0026	0.0020	1	7/ 4/99	16:28	S. Mani	8260B	8544
Sopropylierzene	ND	ng/ko	0.0026	0.0020	1		16:28	S. Wani	326DT	3544
-Isopropyltolsese	MD	ng/kp	0.0026	0.0020	i	7/ 4/99	16:23	S. Wani	32600	3544
ethul methacrulate	AD	10/10	0.0066	0.0050	1	7/ 4/99	7:10	K. H111	32600	3316
-Methyl-1-sencamone	ND	ng/kg	0.0132	0.0100	1	7/ 4/99	16:28	S. Wani	8260B	8544
Methulene oblovide	HD	ng/kg	0.0132	0.0100	1	7/ 4/99	16:28	S. Wani	82608	8544
apathalene	HD	na/ka	0.0026	0.0020	1	7/ 4/99			5260B	8544
-Propulbenzene	HD	ag/kg	8.0025	0.0020	1	7/ 4/99	16:28	S. Hani S. Hani	32600	3544
turene	HD.	ng/ku	0.0026	9.0020	1	7/ 4/99		5. Wani	8260B	8544
.1,1,2-Tetrachloroethane	HD	He/ke	0.0025	0.0020	1	7/ 4/99			3260B	3544
.1,2.2-Tetrachloroethane	HD	ng/kg	0.0025	0.0020	1	7/ 4/97	16: 28		32600	3544
etrachloroethene	ND	Herke	0.0026	0.0020	1	7/ 4/99			3260E	3544
coluene	D	ng/kg	0.0025	0.0020	1	7/ 4/99		Z. Hani Z. Hani	3260R	3544



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#### ANALYTICAL REPORT

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

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haalite	Result	Units	Report Limit	Ruan Limit	DIL Factor	Date	Time	Analyst	Nethod	Batch
	~~~					*******				
,2,3-Trichlorobenzene	<b>40</b>	Hq/ks	0.0026	9.0020	1	7/ 4/99	16: 28	S. Wani	8260U	8544
1,2,4-Trichlorobenzene	GK GK	ngeka	0.8026	0.0020	ī	7/ 4/99	16:28	S. Hani	8260B	8544
.1,1-frichloroechane	HD	Havka	0.0026	0.0020	1	77 4/99	16:28	3. Mant	82608	8544
1.1.2-Trichloroechane	HD.	ng/ka	0.0026	3.0020	1	7/ 4/99	16:26	S. Wani	82606	<b>6544</b>
richlargethene	AD.	ngelor	0.0026	0.0020	1	11 4/99	16:28	S. Wani	82608	8544
	AD.	nd/kg	0.0028	0.0020	2	7/ 4/99	16:23	S. Hani	826DE	3544
Z.4-frirethylbenzene	50	24/61	0.0928	0.0020	2	7/ 4/99	16:28	S. Hant	52608	8544
	NO	marka	0.0028	0.0020	1	7/ 4/99	16:28	S. Mani	8260B	8544
lingi acecate	46	ma/en	0.0192	0.0100	i	7/ 4/99	16:28	7. Hani	8260B	8544
lingl chloride	AD.	Ha/ko	0.0025	0.0020	1	7/ 4/99	15:28	S. Wani	3260R	3544
"glenes	ND	Ho/ke	0.0024	3.0020	1	7/ 4/99	16:28	2. Wani	3260R	3544
Promodichloromethane	MD	ng/ka	3.0024	3.8020	1	7/ 4/99	16:28	S. Wani	82608	8544
Trichlorofluoromethane	*D	ng/ka	0.0026	a. 0020	1	7/ 4/99	15:23	S. Wani	3260B	8544
dethyl-t-butyl ether	HD	mg/kc	3.0132	3,0050	1	7/ 4/99	16:28	S. Mani	8260B	3544
GENERAL CHEMISTRY PARAME	TERSM									
Dry Weight	76.	3			1	7/ 6/99	17:11	7. Cauthen	CLP	5848

iD = wot detected at the report limit.

#### ample extraction Pata

farameter	Wt/Vol Extracted	extract Vol	Date	Analyst	Method
oMA's	30.0 gn	1.0 mi	7/ 2/99	Fitzuater	2032
Molatile Erganies	7.6 g	5.0 mi		I. Wanz	3220

iurregate	: Recovery	Target Range
surr-1,2-Dichlorgethame, 44	133.	48 160.
surr-foluene 48	108.	79 117.
urr-4-Bronofluorobenzene	48.	69 135.
.urr-Dibronofluoromethame	99	63 135.
:urr-Hitrobenzene-#5	32.	20 110.
urr-2-Fluorobiphenul	53.	13 110.
urr-Terphengl 414	55.	27 128.
.urr-Phenol d5	38.	10 111.
urr-7-Fluorophenoi	34.	10 107.
:urr-2,4,6-Tribromophenoi	53.	14 110.



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#### ANALYTICAL REPORT

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

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Il samples have been corrected for any weight.

Report Approved Ey:

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



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

#### ANALYTICAL REPORT

USACE-SAVANNAH DISTRICT 8995 MARK HARVISON 100 WEST DGLETHORPE AVE SAVANNAH, GA 21402

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

nalyte	Result	Unit:	Report Limit	Ruan Linit	DII Factor	Date	Tine	Amalyst	Method	(rato)
*EXTRACTABLE BREAKIES*										
icenaphthene	3K	ag/ka	0.412	0.930	1	7/ 7/99	8: 35	M. Cobb	8270C	8351
Acenaphthulene	HD	ng/ka	0.412	0.330	1	7/ 7/99	8: 35	M. Cobb	8270C	8351
enthracene	ND	ng/kg	3.417	0.330	1	7/ 7/99	8: 35	n. Cobb	8270C	8351
(enzoia) anthracese	HD	itg/kg	0.417	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
(enzo(a)purene	HD	ng/ka	0.412	9.330	î	7/ 7/99	3: 35	n. Cobb	3270E	3351
(eszo(b)fluoranthese	ЯĎ	ng/kg	0.417	0, 330	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
Senzo(q,h,i)perutena	db.	ng/ku	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	8270C	8351
(eazo(k)fluoranthene	HD	rig/kg	0.417	0.330	1	7/ 7/99	8: 35	ff. Cobb	3270C	8351
1-Bronophenglphenglether	HD	ng/kg	0.412	0.350	1	7/ 7/99	6: 35	M. Cobb	8270C	8351
Sutulbenzulphthalake	HD.	na/ku	0.412	0.330	1	7/ 7/99	8:35	M. Cobb	8278C	8351
arbazoie	OK.	ng/kg	8.412	0.330	1	1/ 7/99	8:35	ff. Cobb	8270C	8351
-Chloro-i-methylphenol	SD 08	awks.	B. 417	0.330	1	7/ 7/99	3: 35	II. Cobb	3270C	3351
-Chlorosniliae	ND CH	::9/kg	0.417	3.330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
::s(2-Chluroethoxy)methane	H0	ag/ka	0.412	0.350	1	7/ 7/99	3:35	n. Cobb	8270C	8351
his(2-Chloroethul)ether	ND	ng/kg	0.412	0.350	i	7/ 7/99	8: 35	ff. Cobb	8270C	8351
is(2-Chlorossopropyl)ether	MD	ng/kg	0.412	0.330	1	7/ 7/99	8: 35	H. Cobb	3270C	3351
2-Chloronaphthalene	HD	Hq/kg	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	3270C	3351
T-Chlorophenol	HD	stq/ka	0, 412	0.330	1	7/ 7/99	3: 35	ff. Cobb	3270C	3351
1-Chlorophenylphenylether	HD.	Hq/ka	0.412	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
Aryseno	AD.	ng/kg	0.412	0.330	1	7/ 7/99	3: 35	M. Cobb	3278C	3351
11 benzofuran	HD	58/kc	0.412	0.330	1	7/ 7/79	3: 35	n. Cobb	3270C	3351
Ciberz(i, a)anthracene	KD	da/ka	0.412	0.330	1	7/ 7/99	8: 35	n. Cabb	8270C	8351
1,2-Dichlorobenzene	HO	ng/kg	0.412	0.320	1	7/ 7/99	8: 35	n. Cobb	8270C	8351
.3-Dichlurobenzene	45	ngeka	0.412	0.330	1	7/ 7/99	8: 35	M. Cobb	6270C	8351
4-Dicalcroteazenc	MD	ng/kg	0.412	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
(3'-Dichlorobenzidine	HD	ag/kg	0. 325	8. 550	1	7/ 7/99	8: 35	M. Cobb	3270C	3351
.4-Dichlorcohenol	SK	ng/kg	0.412	0.330	1	7/ 7/99	8: 35	M. Cobb	8270C	8351
Metholohthalate	ND	Hg/ke	0.417	0.330	1	7/ 7/99	8: 35	M. Cobb	3270C	8351
2,4-Dimethylphemol	ND	ng/kg	0.412	0.330	1	7/ 7/99	8: 35	M. Cobb	8270C	8351
Dimethyiphthalata	MD	ng/kg	0.412	0.330	i	7/ 7/99	3: 35	n. Cobb	3270C	3351
i-n-butulphthalate	KD	adaka	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	8270C	8351
1,6-Ginitro-2-methylphenol	ND	ngrkg	1.33	0.823	1	7/ 7/99	6: 35	n. Cobb	6270C	8351
1,4-Dinitrophenol	KD	ng/kg	1.03	0.825	ī	7/ 7/99	B: 35	M. Cobb	8270C	8351
2,4-dimitratolcene	HD	ng/kg	8. 417	0.330	ī	7/ 7/99	3: 35	n. Cobb	3270C	9351
2.6-Dinitrotoluene	OH	ng/kg	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	8270C	8351



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#### ANALYTICAL REPORT

Laboratory Number: 99-A96322 Sample ID: 766-55-9-6-99

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Analyte	Result	Units	Report Limit	Ausn Linit	Dil Factor	Date	Tine	Analyst	Method	listel
Di-m-octylphthalate	HD	Ha/ke	8. 412	0.330	1	7/ 7/99	8: 35	n. Cobb	3270C	8351
luoranchene	46	ng/ka	0.412	0.330	î	7/ 7/99	8: 35	M. Cobb	8270C	8351
luoreas	HD CH	ng/kg	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	8278C	8331
iexachlorobenzene	ND.	sig/ka	0.412	0.330	1	7/ 7/99	3: 35	n. Cobb	8270C	3351
Hexachlorobutadiane	AD.	no/ks	3.412	0.330	2	77 7799	E: 35	A. Cobb	8270C	8351
exachiorocuclopentadiene	ND.	Hark G	0.417	0.330	1	7/ 7/99	8: 33	ff. Cobb	3270C	3351
mexachloroethane	RD	ng/k4	0.412	3.330	1	7/ 7/99	8: 32	M. Cobb	8270C	8351
Indeno(1,2,3-od)sgrene	SO	ngeka	0.412	3. 338	1	1/ 7/99	8: 32	M. Cabb	82700	6351
Soptorone	MD	ng/ks	0.417	0. 330	1	7/ 7/99	3: 33	fi. Cobb	8270C	8351
Methylnaphthalene	HD	ng/ke	9.417	9. 330	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
I-Methylphenoi	HD	ng/kg	0.412	3.350						8351
a,p-Methylphenol	HO		0.412	3.350	1	7/ 7/99	B: 35	A. Cobb	8270C	0.00
daphthaiene	ND NO	ng/kg			1	7/ 7/99	8:35	n. Coab	5270C	8351
2-Mitrosmiline	ND N	He/ko	0.417	0.330	1	7/ 7/99	8: 35	n. Cobb	3270C	8351
-Hitroaniline		isg/kg	1.03	2.825	1	7/ 7/99	8: 35	ff. Cobb	3270C	3351
	H9	ng/kg	1.03	0.625	1	7/ 7/99	8: 35	n. Cabb	8270C	8351
4-Mitroaarline	4D	ngelkg	1.03	9.825	1	7/ 7/99	8: 35	H. Cobb	8270C	8351
Witrobenzene	MD	ng/kg	0.412	8. 330	1	7/ 7/99	8: 35	n. Codb	3270C	8351
i-Mitrospenci	H0	nack g	0.412	9, 530	1	7/ 7/99	8: 35	n. Cobb	6270C	8351
Hitrophenoi	HD.	norko	1.03	0.325	1	7/ 7/99	3:35	H. Cobb	3270C	8351
-mitrosodi-m-propulamine	HD.	Harke	0.412	0.330	1	7/ 7/99	8: 35	ff. Cobb	3270C	3351
-nitrosociphenglamine	HD.	10/3/2	G. 417	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
Pentioniorophenoi	AD.	egrke	1.03	3.825	1	7/ 7/99	8: 35	H. Cobb	3270C	3351
-nenantarene	HB	ngeka	0.412	0.330	1	77 7/99	8:35	M. Cobb	8270C	8351
henoi	HB	तावर दिव	0.412	0.330	1	77 7/99	8:35	M. Cobb	8270C	8351
urene	40	eg/kg	0.417	0.330	Ī	7/ 7/99	3: 35	n. Cobb	3270C	3351
is(2-echulkexul)phthalate	#D	dg/kg	0.417	3, 330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
i.2,4-Tricalorobeazene	#D	ngiko	C. 417	0.330	1	7/ 7/99	8: 35	M. Cobb	3270C	8351
1.4,5-Trichloropmenol	40	ng/ka	1.03	0.825	1	7/ 7/99	8: 35	ff. Cobb	8270C	8351
1,4,6-Trichlarophenol	ЙD	ng/kg	0.412	9. 999	1	7/ 7/99	8:35	a. Cobb	9270C	8351
-MOLATILE DESARIOSE										
cetone	HD	He/ka	0.0125	9.0100	1	7/ 4/99	19:17	S. Wani	3260ft	3544
ctefora	40	no.ke	0.0125	9.0100	1	7/ 4/99	19:17	E. Hani	3260H	8344
⊰crylon;tr:1≥	HD	narka	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	3260A	3544
enzene .	WD.	#q/ko	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	3260D	8544
ronokenzene	KD	ng/ko	0.0025	0,0020	1	77 4/99	17:17	S. Mani	3760B	3544
ronochloromethane	4D	ng/ke	0.0025	0. 3020	1	7/ 4/99	19:17	S. Hani	32600	3544
ronoforn	ND.	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	3260B	6544
romemethane	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	17:17	S. Wani	8260B	8544
i-futanene	ND.	Hg/kg	9. 8125	0.0100	1	7/ 4/99	19:17	S. Wani	3260U	3544
a-Butqlbeazene	CH	ng/kg	0.0025	8.0020	1	7/ 4/99	19:17	2. Mani	82608	8544
tec-Butulbenzene	HD OK	ng/kg	0.0025	0.0020	ī	7/ 4/99	19:17	S. Wani	62606	8544
-Butqlbeuzene	40	ng/kg	0.0025	I. 9020	1	7/ 4/99		S. Wani	82606	8544
arbon disulfide	AD.	ng/kg	0.0025	0.0020	1	7/ 4/99		2. Mani	62608	8544



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#### ANALYTICAL REPORT

Laboratory Number: 99-A96322 Sample ID: 766-88-9-6-99

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analyte	Result	Units	Report Limit	Huan Linit	DII Factor	Date	Tine	Analyst	Method	Nato
*******							*****			
Tarbon tetrachlorida	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	82608	8544
laloroseazeae	AD.	market	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	82608	8544
Chloroethane	<b>40</b>	ngelog	9.0025	0.0020	1	7/ 4/99	19:17	Z. Wani	5260B	8544
:-Chloroethylvinglether	MD	ng/ka	0.0025	9.0070	1	7/ 4/99	17:17	S. Wani	3260D	3544
hloroform	HD CH	19/k2	0.0025	0.8620	1	7/ 4/99	17:17	IneW .2	3260B	3544
inloromethage	HD OF	nacka	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
-Chlorotoluese	30	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Mani	3260H	3544
:-Chlorotoluene	AD.	He/ko	0.0025	0.0020	1	7/ 4/99	17:17	S. Wani	3260E	3544
1.2-Dibrono-3-chloropropane	AB:	ng/kg	0.0125	0.0100	1	7/ 4/99	19:17	S. Hani	6260B	8544
ibromochloromethame	SD	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	82608	8544
1,2-Dibromoethane	HG.	ng/ka	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	6260B	8544
Dibromomethame	HD	Hq/kq	0.0025	0.0020	1	7/ 4/33	17:17	S. Wani	326DR	3344
1.4-Dichloro-2-butene	4D	ngéka	0.0025	9.9020	1	7/ 4/99	19:17	5. Wani	8260B	8544
1.2-Dichlerobenzene	AD.	ngeka	0.0025	0.0020	î	7/ 4/99	19:17	3. Wani	82608	8544
.,3-Dichlurobenzene	KB.	nacka	0.0025	9.0020	1	7/ 4/99	19:17	S. Wani	8268B	8544
1.4-Dichlorobenzene	HD	ng/kg	0.0025	8.0020	1	7/ 4/99	19:17	S. Wani	8260R	8544
Dicklorodifluoromethame	ND	ng/kg	0.0025	0.0020	i	7/ 4/99	19:17	S. Wani	3250E	3544
1,1-Dichlorgethame	HD	ng/kg	3.8023	0.0020	1	7/ 4/99	19:17	5. Wani	8240B	8544
1,2-Cicaloroethane	45	ng/kg	0.6025	0.0020	1	7/ 4/99	19:17	S. Want	82608	8544
1.1-Dichlorgethene	HD	ne/ke	3.0025	0.0020	I	7/ 4/99	19:17	1000	3260D	3544
ris-1,2-Dichioroathema	HD	#4/kg	3.0025	0.0020	1	7/ 4/99	19:17	S. Wani S. Wani	82608	2544
rans-1.2-Dichloroethene	M8	ng/kg	9.0025	0.0020	1	7/ 4/99	19:17		6260B	2544
2-Dicaloropropine	NO.	ng/kg	0.0025	0.0020	1	7/ 4/99	A			B544
1,3-Dichloropropage	ND-	ng/kg	9.0025	9.0020		100	19:17	3. Wani	82608	
2.2-Dichloropropase	ND ON	ng/ka	0.0025	0.0020	1	7/ 4/99	17:17	3. Wani	8260B	8544 8544
1-Dichlerepropese	XD				1	7/ 4/99	19:17	S. Wani	3260R	
is-1,3-Dichloropropene	ND D	Hg/kg	0.0025	3. 8020	4	7/ 4/99	19:17	S. Hani	326DB	3544
.rans-1,3-Dichloropropene	ND ON	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Hani	32608	3544
		tacks	6.0025	0.0020	1	7/ 4/99	19:17	S. Wani	82608	E544
thylbenzene Wexachlorobutadiene	HB HB	mg/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	82606	8544
:-Hexanone	AD.	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Want	82608	8544
Sodonetnane	200	ng/kg	0.0125	0.0100	1	7/ 4/99	19:17	J. Wani	82608	8544
	AD.	ng/kg	0.0025	8.9020	1	7/ 4/99	19:17	S. Mani	82608	8544
isopropyibenzene	ND OF	ng/kg	0.0025	0.0020	1	7/ 4/99	17:17	S. Hani	3260N	8544
d-Isopropultaluese	ND	ng/kg	0.0025	0.0020	1.	7/ 4/99	19:17	S. Hani	3260T	3544
Tethyl mechacrylate	AD.	ng/kg	0.0062	0.0050	1	7/ 4/99	9:10	K.Hill	62608	8816
?-Methyl-2-pentanone	40	ag/kg	0.0125	0.0100	1	7/ 4/99	17:17	I. Wani	6260B	8544
methylene chloride	HD	ng/kg	0.0125	0.0100	1	7/ 4/99	17:17	S. Nani	3260T	8544
Haphthalene	HD.	#q/kg	0.0025	0.0020	1	77 4/99		I. Hani	826011	3544
-Propylbenzene	MD.	ngekg	0.0025	0.0020	1	7/ 4/99	17:17	J. Hani	8260B	8544
tyrene	'AD	ng/kg	0.0025	0.0020	1	7/ 4/99	17:17	S. Wani	6260B	8544
1,1,1,2-Tetrachloroethane	HD	ng/kg	0.0073	0.0020	1	7/ 4/99		S. Wani	8760B	8544
1,2,2-Tetrachloreethame	מא	yd/ka	0.0025	0.0020	1	7/ 4/99		E. Uant	3260T	3344
retrachloroethene	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	3. Wani	<b>62608</b>	8544
oluene	HD	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	5. Nani	6260B	8544



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#### ANALYTICAL REPORT

HISAGE-SAVANNAH DISTRICT 1995 MARK HARVISCN 100 WEST OGLETHORPE AVE SAVANNAH, GA 31402

Project:

Project Name: LB 166 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: 5/29/99 Time Received: 7:00

-nalyto	Tegylt	Units	Report Limit	Linit	Dil Factor	Date	Tine	Analyst	Method	Batch
-EXTRACTANCE DESAMIESE										
Consonthene	HD	200	4.44	6	2			200.0		1.1.
oenspithulene		nerke	3. 412	9, 330	1	7/ 7/99	3: 35	n. Cobb	8270C	8351
inthracene	HD HD	ng/kg	0.417	0, 330	1	77 7/99	8: 35	n. Cobb	8270C	3351
(enzo(a)authracene		ng/ka	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	8270C	3351
	HD	ng/kg	0, 417	8, 330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
enzo(a)pyrene	H9	20/10	3,417	6, 330	2-1	77 7/99	8: 35	n. Cobb	3270C	3351
emzo(b) Fluoranthene	:40	agres	3, 417	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
emzcig,h,i)perylene	40	ng/kg	0, 417	0, 530	1	7/ 7/99	3: 35	n. Cobb	8270C	3351
(emzo(k)fluoranthese	HD	no/ko	0. 917	8. 338	1	7/ 7/99	3: 35	II. Cobb	3270C	3351
:-Uromophenylphenylether	HD	30 K3	8.417	0.330	2	7/ 7/99	3: 35	n. Cobb	3270C	8351
otylbenzylphthalate	#D	ng/ka	3, 417	3.330	1	7/ 7/99	3: 35	fi. Cobb	3270C	3351
orbazole	3D	ag/ks	3.412	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
:-Chlora-i-nethylphenol	AD.	= 0/kg	9. 417	9, 338	2	7/ 7/99	3: 35	ff. Cobb	8270E	3351
-Chlorcaniline	30	Harks	3.412	0.330	1	7/ 7/99	3: 35	il. Cobb	3270C	3351
is(2-Caloroethoxy)methane	40	119/1.2	0.417	9. 330	1	7/ 7/99	8: 35	ff. Cobb	8270C	8351
is(Z-Chloroethyi)ether	70	mg/ka	9.417	0.330	2	7/ 7/99	3: 35	ff. Cobb	3270C	3351
ist2-Chloroisopropyl)ether	MD.	50/ks	8. 412	3, 330	1	7/ 7/39	3: 35	M. Cobb	3270C	8351
-Chloronaphthalene	MD	#8/kā	3.417	8.330	1	7/ 7/99	3: 35	M. Cobb	3270C	3351
-Chlorophenol	dh	ng/ke	9. 412	0.330	1	7/ 7/39	3: 35	n. Cobb	3270C	3351
Chloropnenulphenulether	#0	10/kF	0.412	0.330	1	7/ 7/99	3: 35	M. Cobb	3270C	8351
aruseae	Mili	ng/ka	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	3270C	3351
Olbearofuras	HIP	ng/ke	0.412	0, 330	i	7/ 7/99	3: 35	n. Cobb	3270C	3351
libenz(a,b)anthracene	ND GE	ng/kg	0.412	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
.I-Dichlorosenzene	4p	ng/kg	6.417	0.330	ì	7/ 7/99	8:35	n. Cobb	3270C	8351
_3-Dichloropenzene	30	ng/kg	0.412	9.330	1	7/ 7/99	3: 35	ff. Cobb	3270C	3351
.4-Dicaloropenzene	MI	ng/kg	0.412	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
.,3'-Dichlorobenzidine	HD	ng/kg	0. 325	0.550	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
.4-Dichlorophenol	ND ON	He/ke	9. 417	0.880	i	7/ 7/99	8: 35	n. Cobb	3270C	3351
Methylabthalate	ND ON	ng/ke	0.417	0.330	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
.d-Dinethulphenol	49	ag/ke	0.412	0.330	1	7/ 7/99	3: 35	fi. Cobb	3270C	8351
inethylphthalate	HD.	3000	100	0.330	ĝ.			2 2 2 2 2 2	3270C	3351
i-a-butulehthalate	HD	ng/kg	3. 417 3. 417			7/ 7/99	3: 35	ff. Cobb		
n-morgipacharace .6-Dinitro-2-metholphenol	MD ON	ng/kg		0.330		7/ 7/99	3: 35	n. Codb	3270C	3351
		ng/kg	1.03	0.325	1	7/ 7/39	8: 35	n. Cobb	3270C	8351
1.4-Dimitrophemol	#D	carro	1.03	0.825	1	7/ 7/99	3: 35	n. Cobb	3270C	8351
4-dimitrotoluene	HD .	Horks	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	327BC	3351
6-Dimitrotolueme	HD	Hg/kg	0.412	0.330	1	7/ 7/99	8: 35	n. Cobb	3270C	8351



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#### ANALYTICAL REPORT

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

palyte	Result	Units	Seport Limit	Aush Linit	Dil Factor	Date	Tine	Analyst	Nethod	Ustch
n-octulphthalate	3D	20/K5	8.412	0. 330	1	7/ 7/99	8: 35	n. Cobb	8270C	8351
Touranthene	ND.	59/kg	G. 412	0.330	1	7/ 7/99	8: 35	B. Cobb	3270C	3351
Tuorene	HD	ha/ko	8.417	0.330	1	7/ 7/99	3: 35	n. Cobb	8278C	3351
exachierobenzene	HD.	.19/82	0.417	3.338	1	7/ 7/99	8: 35	ff. Cobb	3278C	3351
exachiorobetadiene	מא	54/45	3.412	5, 338	1	7/ 7/99	3: 35	ff. Cobb	8270C	3331
exachlorocociopentadiene	46	-0. kg	0.412	1, 350	2	7/ 7/99	8: 35	M. Cobb	8270C	8351
exaculoroethane	10	ne/ka	3.417	7. 550	1	7/ 7/89	8: 35	a. Cobb	8270C	8351
indeno(1,1,5-od)byrene	HO:	नव्यक्तिय	0.412	3, 350	1	7/ 7/99	8: 35	n. Cobb	8270C	8351
Leaphorone	HD.	ag/ke	0.412	0.330	1	77 7/99	8: 35	n. Cobb	3270C	3351
Methyinaphthalene	HD	Hq/ka	0.417	5. 338	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
i-Matayiphenoi	#G	marka	0.412	9.338	1	7/ 7/99	8: 35	M. Cobb	8270C	8351
:,p-Methylphenoi	48	ng/kg	0.412	1, 330	1	7/ 7/99	8:35	ff. Cobb	8270C	8351
aphthalene	HG:	19/6.1	0.412	0.390	ī	7/ 7/99	B: 35	A. Cobb	8270C	8351
-Mitrosmiline	<sup>u</sup> D	Ha/ka	1.03	0. 025	3	7/ 7/99	3: 35	ff. Cobb	3270C	3351
-Nitroamiline	MD.	ngrke	1.03	8.873	1	7/ 7/99	3: 35	n. Cobb	8270C	3351
-Mitrogaziiae	HO	ng/kg	1.03	0.825	1	7/ 7/99	£: 35	M. Cobb	8270C	8351
itrojenzene	36)	ngelog	9.412	3.350	ž	7/ 7/99	8: 35	M. Cobb	8270C	8351
-Witroshesol	ND	ng/ke	0.417	9, 330	ī	7/ 7/99	8: 35	H. Cobb	8278C	3351
-Mitrophesci	MD-	de/ke	1.03	0.825	1	7/ 7/99	8: 35	n. Cobb	8270C	3351
f-mitrosodi-m-propulatione	40	He/ko	0.412	0.330	1	7/ 7/99	8: 35	ff. Cobb	8270C	3351
-nitrosouphengranine	di	nukik u	3.411	1.330	1	7/ 7/99	8: 35	n. Cabb	8270C	8351
interniorophenoi	49	ngeka	1.03	9.825	7.	11 7/99	8:35	n. Cobb	8270C	8351
henanthrene	40	agrice.	0.412	0. 330	1	7/ 7/99	9: 35	H. Cobb	8270C	8351
tenci	<del>(</del> 1)	19/kg	0.412	9. 33B	1	7/ 7/99	3: 35	n. Cobb	8270C	9351
urene	40	ng/kg	1). 412	3.330	1	7/ 7/99	8: 35	ff. Cobb	8270C	8351
.is(Z-eth:ibexql)phthalite	HO	ng/kg	9.412	3.338	1	7/ 7/99	8: 35	n. Cobb	8270C	8351
.2,4-Trichlorobenzene	HD CH	Borks	0.417	0.330	:	7/ 7/99	3: 35	n. Cobb	3270C	3351
.4.5-Trichlorophenol	HD	ng/kg	1.03	0. 325	1	7/ 7/99	3: 35	n. Cobb	3270C	3351
.4,6-Frichlorophenol	30	rig/kg	3.412	0.320	1	17 7/99	8: 35	n. Cobb	8270C	8351
			7,340	37.132			4.30	10. 9444	32,00	3,542
VOLATILE DESAMICSY	(in			0.12,25		50 100	51, 51	S. (C)	akilk.	2.2
oetone	HD.	ng/ka	0.0125	0,0100	1	7/ 4/99		S. Hani	8280R	3544
trolein	HD CH	ng/ka	3.0125	0 0100	1	7/ 4/99	19:17	S. Wani	3 <b>7600</b> 0	3544
-crylonitrile	#D	itq?ka	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	3260A	8544
-nzene	ritte.	ngekg	0.0025	9.0020	1	7/ 4/99	19:17	S. Mani	82608	8544
romobenzene	HD.	ng/kg	0.0025	6.0020	1	7/ 4/99	19:17	3. Wani	8260B	8544
Tomocaleronechane	HD	rig/kg	0.0075	0.0020	3	7/ 4/99		S. Nani	3260K	8544
тонобогн	AD.	Hg/ka	0.0025	6.0020	1	7/ 4/99		S. Wani	3260U	3544
ronomechane	AS:	nackg	0.0025	0,8020	1	7/ 4/99		3. Wani	5260B	<b>E544</b>
-Butanone	AD:	ngéka	0.0125	0.0100	1	11 4/99		S. Mani	82606	8544
-butultenzene	KD	ng/kg	0.0075	0.0020	1	7/ 4/99	19:17	S. Wani	8260R	3544
ec-Eutylbenzene	AD.	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	3. Wani	82608	8544
-butylbenzene	<b>KD</b>	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Mani	8260B	8544
Aroca disulfide	H3	ng/ka	0.0025	0.0020	1	71 4/99	19:17	3. Wani	82608	B544



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#### ANALYTICAL REPORT

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

San Tuba	****	20.00	Report	asuR	Dil	500	27.7	3.140	4000	13 6 9
nalyte	Mesult	Units	Linit	Linit	Factor	Date	Time	Analyst	Method	Batel
arbon tetrachlorium	ND	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	82608	8544
Miorobenzene	HD	ng/k1	0.0025	0.0020	1	7/ 4/99	19:17	3. Wani	8260B	8544
Mioroechine	413	the ket	0.0025	0.6020	1	7/ 4/99	17:17	3. Wani	82608	8544
-Chloroethylvinglether	40	चक्रां दिव	9.0025	0.0020	1	7/ 4/99	19:17	3. Wani	8260B	8544
hloroform	RD.	38/kg	0.0025	3.0020	1	7/ 4/99	19:17	S. Wani	826DI	8544
hloromethase	30	40/ kc	0.0025	8.8028	1	77 4/99	19:17	S. Wani	82600	8544
-Chlorocoluene	HO	marka	3.0025	7.0020	1	7/ 4/99	19:17	S. Wani	82608	6544
-Chlorotoluene	30	ng/ka	0.0025	5.0020	1	7/ 4/99	19:17	S. Wani	82608	8544
.2-Dibrono-3-chloropropase	HD	ng/ka	0.0125	0.0100	1	7/ 4/99	17:17	S. Wani	32600	3544
i bronochloronethane	HD	ng/ks	0.0025	6.0028	1	7/ 4/99	19:17	S. Wani	8260E	3544
.,2-Gibranaethane	HD	ng/kg	3.9025	3,0020	ī	7/ 4/99	19:17	S. Wani	82608	8544
ibrononethane	ЯD	39/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	3250T	3544
.4-Dichlore-2-butene	HD.	ng/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	3260E	3544
,2-Dichlorobenzeno	30	de/ke	0.0025	6.0320	\$	7/ 4/99	17:17	S. Wani	8260R	8544
,3-Dichlorobenzene	HD	ng/ke	0.0075	0 0070	1	7/ 4/39	17:17	S. Mani	37600	3544
.4-Dicalorobenzene	ਜੋਹ	ngcka	0.0025	0.0020	1	7/ 4/99	19:17	S. Mani	9260B	8544
ichlorodifluoromethage	HD	ng/kg	7.0025	0.0020	1	7/ 4/99	19:17	S. Mani	8260B	8544
	30	Ha/kc	3.0025	0.0020	1	7/ 4/99	17:17	3. Wani	6260G	8544
.2-Dicalorcethame	HD	no/ko	0.0025	0.8020	1	7/ 4/99	19:17	S. Wani	32600	3544
.1-Dichlorcethene	HD	na/ka	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	82608	8544
is-1 2-Dickloroethene	20)	na/ka	9.8025	7,0020	1	7/ 4/99	19:17	3. Want	5260B	8544
.rans-1.2-Dienioreetheme	GE.	no/ka	9. 0025	0.0020	i	7/ 4/99	19:17	S. Wani	326DD	3544
2-Gichlorouropane	<b>HO</b>	norke	8. 8025	9.0020	i	7/ 4/99	19:17	S. Wani	8260E	8544
5-Dickloropropane	40	ma/ka	0.0025	8.0020	1	7/ 4/99	19:17	S. Wani	82608	8544
.2-Dichloropropane	ND.	ng/kc	0.0025	0.0020	i	7/ 4/99	19:17	S. Wani	3260T	3544
.1-Dichleropropese	<b>K9</b>	Hg/kg	0.0025	0.0020	2	7/ 4/99	19:17	S. Wani	3260R	3544
15-1,3-Dichloroprosese	<b>KD</b>	ng/kg	0.0025	0.0020	1	7/ 4/99	17:17	S. Wani	32500	3544
rans-1.2-Dichloropropene	AC.	Hqr/kg	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	62608	8544
Chulbenzens	46	Ba/kg	0.0025	0.0020	4	7/ 4/99	19:17	S. Wani	92608	6544
exachiorobytadiene	NP.	ng/kg	0.0025	0.0020	1	7/ 4/99	17:17	S. Hani	32600	8544
-нехалове	110	ng/kg	G. 0125	0.0100	1	7/ 4/99	19:17	S. Wani	3260B	8544
ordonethane	MD.	narky	8.8025	9.0020	1	7/ 4/99		S. Wani	8260B	8544
sopropylbenzene	CF	ng/kg	0.0025	0.0020	ī	77 4/99	19:17	S. Hani	6260B	8544
-Isopropultoluese	AD.	Hg/kg	0.0025	0.0020	1	7/ 4/99	17:17	S. Nani	3260T	3544
ethyl methacrolate	KD	119/k5	0.0032	3.0050	1	7/ 4/99	9:10	K. H111	3260E	3816
-Methyl-2-centamone	ND CK	rig/kg	3.0125	0.0100	:	7/ 4/99	17:17	S. Hani	32601	3544
ethulese chloride	XD CK	ng/ka	0.0125	0.0100	1	7/ 4/99	19:17	S. Wani	32600	3544
apht haiene	HO	ag/ka	0.0025	0.0020	1	7/ 4/99	17:17	S. Wani	3760B	3544
Propuibeniene	HD	ng/kg	3. 0025	0.0020	1	7/ 9/99		S. Hani	3760R	3544
turene	HD	ng/kg	0. 8025	0.0020	1	7/ 4/99		S. Hani	32600	8344
1,1,2-Tetrachloroethame	RD	ng/kg	0.0023	0.0020	i	7/ 4/99	19:17	S. Hani	8260D	3544
,1,2,2-Tetrachloroethage	HD	ng/kg	8. 0023	0.0020	1	7/ 4/99		S. Mani	8760R	3544
etrachigroechene	HD	ng/kg	0.0025	0.0020	1	7/ 4/99		S. Wani	326DE	3544
cluese	#D	ng/kg	6.0025	0.0020	1	7/ 4/99		S. Mani	8260R	8344



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#### ANALYTICAL REPORT

Laboratory Number: 99-A96322 Sample ID: 766-55-9-6-99

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nalyte	Result	Onite	Report Limit	Quan Limit	Dil Factor	Date	Tine	Analyst	Method	Natch
1,2,3-frichloragenzese	NO.	ng/kg	0.0025	3.0020	1	7/ 4/99	19:17	S. Wani	8260B	8544
.2.4-Tricklorobenzene	HD	navka.	0.0025	0.0020	1	7/ 4/99	19:17	3. Wani	82608	8544
1.1-Trichloroethane	40	1:32/64	9.9023	0.0026	2	7/ 9/77	19:17	J. Wani	8260B	8544
1,7-Trichloroethane	30	ng/ka	0.0025	8.0020	1	7/ 4/99	19:17	iack .2	8260E	3544
richloroethene	HD.	.10/ka	9.3075	0.0020	1	7/ 4/99	17:17	E. Wani	8260E	8544
.Z.3-Trichloropropane	39	50/89	0.0025	0.0020	1	7/ 4/99	19:17	S. Want	82608	8544
.Z.G-Trimetowibendere	30	-10/kg	0.0025	3. 6928	1	7/ 4/99	17:17	S. Wani	8260E	3544
.3.5-Trimethulbenzene	29	3/ka	0.0025	3,0020	4	7/ 9/99	17:17	Z. Hani	8760K	3544
Hayl acetate	HD.	119/10	0.0125	0.0100		7/ 4/77	17:17	S. Wani	326DT	3544
linul asieride	H3	ng/ka	3,0025	0.0020	1	7/ 4/99	19:17	3. Wani	82608	8544
Culeres	40	na/ks	0.0025	0.6020	4	7/ 4/99	19:17	S. Mani	82608	8544
Promodichioromethane	NO	ng/kg	0.0025	9, 0020	1	7/ 4/99	19:17	S. Wani	82698	8544
Trichlorofleoromethame	HD	18/k2	0.0025	0.0020	1	7/ 4/99	19:17	S. Wani	3260B	8544
dethyl-t-butyl ether	dk.	nerko	9, 0125	3,0050	2	7/ 4/99	19:17	S. Wani	32600	3544
IGENERAL CHEMISTRY PARAME	TERSH									
C Dry Weight	80.	2			1	7/ 8/99	15:57	Fitzwater	CLF	225
MD = Hot detected at the	report limit.									

#### ample Extraction wata

	WE/Fel				
Farameter	Extracted	Extract Vol	Pate	Analyst	Method
HATS	i0.0 gn	1.0 ml	7/ 2/99	Fitzuater	3550
Colatile Greanics	5.0 g	5.0 al	6/30/99	S. Hant	5035

Currogate	% Recovery	Target Sange
corr-1,2-Bichloroethage, 44	117.	48 160.
turr-Taluene di	86.	79 119.
pre-4-Granofluorobenzane	69.	69 135.
:urr-Dibronofluoromethame	97.	63 135.
eurr-Mitrobenzene-d5	37.	20 110.
_urr-2-Fluorobiphenul	63.	18, - 110.
curr-Terphenul dis	<b>33</b> .	27 123.
urr-Phanol 45	39.	10 111.
ourr-2-Fluorophenol	42.	10 107.
:urr-2,1,6-1ribromophenoi	64.	14 110.

# SPECIALIZED ASSAYS, INC. 2960 Foster Creighton Dr. P.O. Boy 40566

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

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ill 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. Titchell, Dir. Technical Services Eric Smith, Assistant Technical Director Bail A Lige, Technical Services

Laboratory Certification Number: 387



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

#### ANALYTICAL REPORT

UBACE-BAVANNAH DISTRICT 3995

MARK HARVISON

:00 WEST DGLETHORPE AVE

SAVANNAH, GA 01402

Project:

Perject Name: LB 766 Sampler: MB/SW/HT Lab Number: 99-A96312

Sample ID: 766-55-10-6-99

Sample Type: Soil

Site ID:

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

			Report	auan	Dil					
asijte	Tesult	Units	ienit	linit	Factor	Date	Tine	Analyst	Method	Mate
	**********					******		*******	********	-
EXTRACTABLE UNGANICS										
-cenaphthene	.19	na/ka	3.388	0.330	1	7/ 7/99	0:51	it. Cobb	8270C	8351
cenaphthylene	RD.	HIZE	9.388	0.350	1	7/ 7/99	0:51	M. Cobb	8270C	835
athracene	ND	ng/kg	0.308	2, 330	1	71 7/99	0:51	il. Cobb	8270C	835
enzo(a)anthracene	HD	Harley	7. 388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	835
Cenzo(a)pyrene	HB	rovk4	7 338	0, 330	1	7/ 7/99	0:51	M. Cobb	8270C	835
enzo(b)fluoraathene	AD.	ng/kg	7.388	0.350	4	7/ 7/99	J:51	a. Cobb	8270C	835
enzo(g,h,i)perglene	<b>30</b>	ngekg	9. 588	0.360	1	7/ 7/99	0:51	M. Cobb	8270C	835
enzo(k)fluoranthene	30	mp/kg	3.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	835
-Gronophenylphenglether	HD.	eg/kg	9. 388	0, 330	1	7/ 7/99	0:51	7. Cobb	8270C	835
tylbeazylohthalata	ND	ng/kg	9.388	0. 530	1	7/ 7/99	0:51	d. Cobb	8270C	835
irbazola	30	na/ka	7. 388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	835
-Chloro-3-methylphenol	-275	Tacks	9.388	0.330	1	77 7799	0:51	T. Cobb	5270C	835
Chloroaniline	:45	70/84	3.388	3,550	1	14 7/99	0:51	n. Cobb	8270C	835
ks(2-Ciloroethoxy)methane	40	ng/kg	0.388	9, 350	1	7/ 7/99	0:51	H. Cobb	3270C	835
is(2-Chloroethyl)ether	40	ma/kg	7. 388	0.338	1	7/ 7/99	0:51	M. Cobb	8270C	835
us(2-Chlorossopropyl)echer	HD	ng/kg	3.388	9, 330	1	7/ 7/99	0:51	n. Cobb	8270C	835
Chloronaphthalene	HD.	sq/kq	3.388	0.330	i	7/ 7/99	0:51	n. Cobb	8270C	835
-Chloropnenol	HD	ng/kg	7, 388	0.338	1	2/ 7/99	0:51	n. Cobb	8270C	835
-Chloropnenylohenylether	10	ng/kg	0.388	0.330	1	7/ 7/99	0:51	n. Cobb	8270C	835
arusene	ND	ng/kg	0.388	0.338	1	7/ 7/99	0:51	M. Cobb	8270C	835
benzaturan	40.	ng/kg	9. 388	0.330	1	7/ 7/99	0:51	T. Cobb	8270C	835
ibenz(a,h)anthracene	96	ng/kg	3.388	0.330	1	7/ 7/99	0:51	M. Cabb	6270C	835
.2-Dichlorobenzene	HD	ng/kg	0.388	0.330	î	7/ 7/99	0:51	n. Cobb	8270C	835
3-Dichlorobenzene	CF.	ng/kg	3.338	0.330	1	7/ 7/99	0:51	7. Cobb	8270C	835
4-Dichlorobenzene	HD	ng/kg	3. 388	0.330	1	7/ 7/99	0:51	n. Cobb	8270C	835
3'-Dichlorobenzidine	HO	ng/kg	0.776	0.660	1	7/ 7/99	0:51	M. Cobb	8270C	835
4-Dichlorophenol	HO	ng/kg	1.388	0.330	1	7/ 7/99	0:51	il. Cobb	8270C	935
ethqlohthalate	10	ng/kg	0.388	0, 330		7/ 7/99	0:51	M. Cobb	9270C	835
4-Dimethylphenol	NO.	ngrkg	1. 388	0, 330	1	1/ 7/99	0:51		8270C	635
thethylohthalate	HD.	ng/kg	0.388	0.350		200000	0:51	n Cobb	8270C	832
i-n-outglohthalate	HD	1000			1	7/ 7/99		n. Cobb		832
.a-Ginitro-2-methulphenol	KD	ng/kg	0.588	0.330	1	7/ 7/99	0:51	n. Cobb	8270C 8270C	835
	42	ng/kg	0.971	0.825	1	7/ 7/99	0:51	n. Cobb		
.4-Dinitrophenol		Hycky	0.971	0.825	1	7/ 7/99	0:51	n. Cobb	8270C	835
4-dinitrotoluene	30	ng/kg	0, 388	0,330	1	7/ 7/99	0:51	n. Cobb	8270C	835
.6-Dinitrotoluene	HD OH	ngeka	0.388	6, 330	1	7/ 7/99	B: 51	n. Cobb	6270C	835



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: 766-55-10-6-99

COUNTRY CONTRACT	sees that		Report	Suaa	Dil	5134		9.6.18.16	4.247	7.0
nalște	Result	Ualta 	Linit	Linit	Factor	Date	Tine	Analyst	Nethod	Bato
i-n-notylphthalate	40	ng/kg	0.388	0.330	1	7/ 7/99	0:51	ff. Cobb	8270E	8351
Luoranthene	St.	nyélor	9.388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
luorene	HD	ng/kg	J. 358	3, 330	1	7/ 7/99	0:51	M. Cobb	8279C	8351
exacaloropeazene	AD.	ng/kg	5, 588	7. 250	2	7/ 7/99	0:51	A. Cobb	8270C	8351
.exachlorobutadiene	48	ng/ka	826.0	3.590	1	1/ 7/99	0:51	M. Cabb	8270C	8351
exactiorocyclopentadiene	50	de/ka	9, 333	0.330	1	7/ 7/39	0:51	M. Cobb	3270C	8351
exaculorosthans	.tb	48/kg	0.383	0, 330	1	7/ 7/99	0:51	n. Cobb	3270C	3351
Adeno(1,7,3-co)purene	40	10/kg	0.333	0.330	1	7/ 7/99	8:51	n. Cobb	3270C	3351
Sophorone	<b>'</b> Ø	ng/kg	3.383	7. 359	1	7/ 7/79	0:51	n. Cobb	8270C	8331
-Methylnaphthalane	40	nacka	0.388	8.550	1	7/ 7/99	0:51	M. Cobb	8270C	8351
-Methylphenol	SD	Hq/kq	0. 333	0.330	1	7/ 7/99	0: 51	n. Cobb	3270C	3351
.p-Methylphenol	MD	ng/kg	0. 333	3. 330	1	7/ 7/99	0: 51	M. Cobb	3270C	3351
aphthaiene	AD.	eg/kg	0.338	0.330	1	7/ 7/99	0:51	n. Cobb	3270C	8351
-Hitroaniline	40	ng/kg	0.971	0.825	1	7/ 7/99	0:51	M. Cabb	8270C	8351
-Witroaniline	40	79/kg	0,971	0.925	1	7/ 7/99	0:51	ff. Cobb	8270C	8351
-Hitrosniline	HD.	49/kg	3.971	9. 825	1	7/ 7/93	0:51	H. Cobb	8270C	8351
iitrobenzene	HD	na/ka	9 388	0.330	1	7/ 7/99	0:51	M. Cobb	8270C	8351
-Hitrophenol	HD	ng/kg	3.388	0.330	1	7/ 7/99	0:51	n. Cobb	3270C	3351
-Hitrophenol	40	ng/kg	0.971	0.825	1	7/ 7/99	0:51	fl. Cobb	8270C	6351
-nitrosodi-n-propylanine	40	ng/kg	0.388	0.330		7/ 7/99	3:51	A. Cobb	8270C	8351
-mitrosodiphenulanine	AD.	-g/kg	0.338		1	and the second second				
-antachtorophenor	10			0.330	1	7/ 7/99	0:51	M. Cobb	3270C	3351
henanthrene	HO	ag/kg	0.971	3.825	1	7/ 7/99	0:51	ii. Cobb	3270C	3351
penoi	4B	ngrkg	9 368	0.338	1	7/ 7/99	0:51	ff. Cobb	8270C	8351
		antica	J. 388	0.330	2	7/ 7/99	0:51	M. Cobb	8270C	6351
rerere	MD.	ng/kg	0.338	0.330	1	7/ 7/99	0:51	n. Cobb	3270C	3351
is(2-ethylbexul)ohthalate	HD	no/ka	0.383	0.330	1	7/ 7/99	0: 51	M. Cobb	8270C	3351
,2,4-Trichlorobenzene	HD	ng/kg	0.358	U. 330	1	7/ 7/99	8:51	n. Cobb	8270C	8351
,1,5-Trichlorophenal	30	ng/kg	3. 971	8. 325	1	7/ 7/99	0:51	n Cobb	8270C	3351
4,6-Trichlorophesol	ND	ng/kg	9. 333	0, 330	1	7/ 7/99	0: 51	ff. Cobb	3270C	3351
VOLATILE ORGANICS*										
-cetone	40	ng/kg	0.0118	0.8100	2	7/ 4/99	11:58	S. Mani	82608	8544
orolein	HD	ng/kg	0.0118	3.0100	1	7/ 4/99	11:58	S. Mani	92608	8544
argioastrile	ND.	ng/ka	0.0118	3.0100	L	7/ 4/99	11:58	S. Mani	8268A	8544
enzene	40	ng/ke	0.0024	0.0020	1	7/ 4/99	11: 58	S. Hani	3260E	3544
ronobanzens	10	Harlos	0.0024	0.9020	1	7/ 4/99	11:58	5. Wani	82608	8544
conochloromethane	33%	na/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Mani	6260B	8544
renoform	HD	narka	0.0024	0.0020	1	7/ 4/99	11:58	S. Hani	8250E	3544
rononethane	YQ.	ng/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Hani	3260R	3544
-!/utanone	MD	ng/kg	0.0113	0.0100	1	7/ 4/99	11:58	S. Wani	3260E	3544
-Gutqlaenzene	30	Ha/ka	0.0024	0.0020	î	7/ 4/99	11:58	S. Wani	62608	8544
ec-butulpenzene	HD	ng/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	3260R	3544
-lutulmeszene	40	ng/kg	0.0024	0.0070	1	7/ 4/99	11: 58	Z. Mani	3260E	8544
arbon disulfide	#p	Ho/kg	0.0024	0. G020	1	7/ 4/99	11: 53	S. Wani	3260R	8544



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

malite	Result	Units	Report Linit	Auan Linit	Dil Factor	Date	Tine	Analyst	Method	Batel
	***************************************		*****				-		-	-
irbon tetrachlorine	XD.	ag/kg	3.0024	0.0020	1	7/ 4/99	11:53	S. Wani	3260B	3544
blorobenzene	AD.	ng/kg	0.0024	0.0020	1	7/ 4/99	11:53	S. Hank	32600	3544
Moroethane	80	na/ka	3 3024	0.0020	1	7/ 4/99	11:58	3. Maai	6260B	8544
Chloroethulvinglether	340	-a/kg	0.0024	0.0020	1	7/ 4/99	11:53	S. Wani	82800	3544
loroform	40	no/ko	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260R	3544
lordethane	H5	nd/kd	2.6024	0.0020	1	7/ 4/99	11:58	3. Hané	8260B	8544
Chlorotoluene	<b>#D</b>	ne/ke	9.0024	0.0028	1	7/ 4/99	11:53	S. Wani	8260E	3544
-Chlorotolusae	HD.	ayrka.	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Z-Dibromo-3-chloroprobane	HD	ng/kg	0.0118	0.0100	ī	7/ 4/99	11:58	S. Wani	82606	8544
bromochloromechane	40	ng/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
Z-Dibromoethane	48	andka.	1).0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260B	8544
1 brononethane	ND	ag/ko	0.0024	0.0020	1	7/ 4/99	11:53	S. Wani	32600	3544
.4-Dichloro-2-butene	(9)	70/k2	5,7024	0.6020	1	7/ 4/99	11:58	3. Wani	82608	8544
2-Dichlorobenzene	40	THE	0.0024	9. 0020	1	7/ 4/99	11:58	S. Wani	62608	8544
3-Dichlorobenzene	40	19/kg	3.0024	0.0020	1	7/ 4/99	11:58	S. Wani	6260B	6544
4-Dichlorobenzene	CH	-g/kg	3.0024	0.0020	1	7/ 4/99	11:58	S. Wani	8260D	3544
chloredifluoromethane	40	ng/kg	3.0024	0.0020	ī	7/ 4/99	11:58	S. Hani	3260B	3544
1-Dicaloroethane	HD.	ng/kg	5.0024	0.0020	1	7/ 4/99	11:58	3. Nant	3260B	8544
2-Dichlercethane	45	no/ka	0.0024	0.0020	1	7/ 4/99	11:53	S. Hani	3760B	3544
1-Dichloroethene	MD.	ng/kg	0.0024	3. 0020	1	7/ 4/99	11:58	S. Mani	32600	3544
s-1 2-Dichloroethene	ND	10/10	3.0024	0.0020	1	7/ 4/99	11:53	S. Nani	3260E	3544
Ths-1.1-Dichioroschene	-10	adiky.	1.3024	0.0020	1	7/ 4/99	11:58	S. Hani	8260B	8544
-Dichtoropropane	140	ag/kg	0 0024	0.0020	1	7/ 4/99	11:58	Grand Control	3260B	3544
i-Dicaloropropage	40	Hg/kg	7.0024	0.0020	1	7/ 4/99	11:59	S. Wani S. Wani	82608	8544
2-Dichloropropage	HD.	ng/kg	0.0024	3.0020	1	7/ 4/99	11:53	S. Nani	32608	3544
1-Dichloropropene	ND	-	0.0024	0.0020	1	7/ 4/99	11:53	20 0000	3260T	3544
15-1.3-Dichloropropene	HD	ng/kg	3. 0024	0.0020	1	7/ 4/99	11:58		3260B	3544
ras-1.3-Dichloropropene	HD GF	ng/kg	7.0024	0.0020	1		11:58		8260B	8544
thalbeazene	40		0.0024	0.0020				100	F075515	8544
exacalarobutadione	ND	ng/kg ng/kg	0.0024	3.0028	1	7/ 4/99	11:58	S. Hank	8260B 8260B	3544
-Hexanope	HD.			9.0100			11:53	S. Hani	3260B	8544
odonethane	40	30/kg	0.0113		1	7/ 4/99		S. Wani		
-opropylbenzene	40	Fack4	0.0024	1).0020	1	7/ 4/99		S. Wani	8260B	8544
-isopropultoluene	#D	15/Kp		0.0020	1	7/ 4/99	11:53	S. Hani	3760B	3544
ethel methacrolate	30	dn/kg	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	3260EC	3544
		oorka.	0,0059	0.0020	1	7/ 4/99	7:10	K. H111	8260D	3816
-Methyl-2-pentanone	HD	Hy/Kg	7.0118	0.0100	1	7/ 4/99	11:58	2. Maur	3240B	5544
ethgiene dilogide	40 40	reacky	3.0118	9.0100	1	1/ 4/99	11:58	S. Wani	82608	8544
iphthalene	HD.	14/kg	0.0024	0,0020	1	7/ 4/99		S. Mani	8260B	8544
-Proogibenzeae	NO.	ng/kg	3.0024	0.0020	1			S. Wani	5260B	8544
turene	ND	ng/kg	0.0024	0,0020	1	7/ 4/99	11:58	S. Wani	3260E	3544
1.1.2-Tetrachloroethane	-19	nu/kg	0.0024	0.0020	1	7/ 4/99		S. Wani	8260G	3544
.1.Z.Z-Tetracaloroethane	MD.	na/ka	0.0024	3,0020	1	77 4/99	11:58	J. Want	8260B	8544
-trachlo; bethere	MD.	:o/ke	0.0024	0.0020	1	7/ 4/99		2. Mauj	3260D	3344
oluene	HD.	isa/ka	0.0024	0.0020	1	7/ 4/99	11:58	S. Hani	32600	8344



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

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nalgte	Result	Units	Report Limit	Ruan Limit	P11 Factor	Date	Tine	Analyst	Nethod	listol
			-							-
2,3-Trichlorobenzene	MD	Hq/ka	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	3260B	3544
2,4-Trichlorobenzene	HD	ma/ka	0.0024	0.0020	1	7/ 4/99	11:58	S. Wani	3260II	3544
1,1-T ichloroethane	RD	30/43	5.0024	9.0020	1	7/ 4/99	11:58	S. Mani	3260B	3544
.1,2-Trichloroethane	HD.	49/86	5.0024	0.0020	1	7/ 4/99	11:58	S. Wani	3260D	8544
Tichlorgethene	#D	ic/ke	6.8074	0.0020	1	7/ 4/99	11:58	5. Hani	3260T	8544
Z,E-Trichloropropane	HD:	Harton.	9.8824	5.0020	2	1/ 4/99	11:58	3. Wani	82608	8544
2,4-frinethylbenzese	4D	#arke	0.0024	2 0020	1	7/ 4/99	11:53	J. Wans	3260B	3544
.3,5-Trinethylbenzene	,1D	44/89	2.0024	0.0020	1	7/ 4/99	11:58	I. Wani	82608	8544
ingl acetate	MD	no/ke	5. 6113	0.0100	1	7/ 4/99	11:58	3. Hani	32600	8544
ingl chlaride	HD	≠g/ke	0.0074	5.0020	1	7/ 4/99	11:58	S. Wani	3260B	8544
glanes	40	ma/km	0.0024	0.0020	1	7/ 4/99	11:56	3. Mani	8260B	8544
remodichloremethane	MD	HO/Ko	0.0024	8.0028	1	7/ 4/99	11:58	S. Wani	32600	3544
richlorofluoromethane	#D	ng/ke	9.0024	0.0020	1	7/ 4/99	11:53	2. Wani	3260B	3544
Tethyl-t-butgl ethor	MD	ngiko	3.0113	0.0050	1	7/ 4/99	11:58	S. Nani	3250E	3544
GENERAL CHEMISTRY PARADE	TERS									
Dry Weight	95.	8			1	7/ 6/99	17:11	M. Cauthen	CLP	5846

D = Not detected at the report Limit.

ample Extraction Data

araneter	Ut/Vol Extracted	Extract Vol	Vate	Analyst	Method
'HA's 'clatile Greanics	19.0 cm	1.8 a1 5.0 a1	7/ 2/99	Fitzwater 5. Hani	3550 5085

urrogace	: Recovery	Target Range
urr-1,2-Dichloroethame, .4	120.	48 150.
orr-foluene 46	99.	79 119.
grr-4-dromofluorobenzese	85.	69 135.
grr-Dibranofluoromethame	203.	63 135.
urr-Mitrobenzene-d5	34.	20 110.
err-2-Fluorobiphenyl	53.	13 110.
urr-ferenengl d14	57.	27 123.
grr-Phenol 45	26.	10 111.
jurr-1-fluorophenol	áŭ.	10 107.
ionshapmordinT-0,1,5-770-	52.	14 110.



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: 766-85-10-6-99

Fage 5

Il samples have been corrected for any weight

Report Approved Eq:

Report Date: 7/ 8/99

Theodore J. Duello, Ph.D., Lab Director Tichael H. Junn, M.Z., Technical Director Johnny A. Titchell, Dir. Technical Services Eric Emith. Assistant Technical Director Sail A Lage, Technical Services

Laboratory Certification Number: 387

# Appendix C Laboratory Analytical Reports - Permanent Well Groundwater





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

#### ANALYTICAL REPORT

HEACE-EAVAGAM DISTRICT 6995 HARK MARVITCH 130 WEST CREETMORPS AVE SAVANNAM, CA 21402

Project.

Project Name LAUREL BAY Zampier: PUDSON EMITH Lab Number: 99-4121833 Sample ID: 766-69-1-8-99 Sample Type: Joodna Jater

Site (D:

Date Collected: 8/11/79 Time Collected: 14 00 Date Received: 8/12/79 Time Received: 7/00

	The Colores	111111	2:0000	-juan	217	*				
Harte	Yessit	Waits	-157	- int	Factor	Date	Tine	306169E	dethod	Bat
CKIRGCIONLE IMBANICCA										
THE STATE OF THE S	540	and B	100		10	0 44 00	0. 14		8270C	556
nenaphthene	39 39	09/1	100.	10.		8/15/99	9:34	M. Cobb	3270C	556
denaphibalena	1.5	ug/1	100.	1.0_	10	8/15/99	2.00	and a second	0270C	556
nthrasane	ND	ug./1	100.	10.	10	8/15/99	9:34	d cobb		
enzo(a)authracene	10	09/1	.00.	13.	10	3/15/99	9-34	f. Cobb	8270C	226
ausoca) pureus	40	U4/1	:00	1.0.	10	8/15/99	5.34	n, lioka	92700	556
enzo(e)fluorentaene	HD	1/9/1	130.	1.0.	70	6/15/99	2: 34	n, "ole	3270C	226
enzorg, a lie mitene	10	44/1	. 30	10.	10	3/15/99	2: 34	3. 0465	3270C	556
emzouk) fluorastaene	HD	113/1	396.	20.	20	6/15/99	7 24	. 2:99	6270C	229
-Bronophenul-1:shulethar	23	14/1	.00.	19.	10	8/13/99	3 34	7 2000	9270C	556
utql0enrqlphbasiate	10	1447	160.	10.	16	8/15/79	9:33	G. SUND	8270C	226
97025029	50	43/1	on.	10.	10	3/15/99	7:34	M. Subb	3278C	229
-Chloro-:-metaglphesol	H2	941	.20.	10.	10	3/15/99	4: 14	il. Coeb	6270C	556
-Chlorosoiline	#0	20/1	196	10	10	9/15/99	9: 34	n Caba	3270C	558
is/2-shlornethexy/Hethane	49	79/1	100.	1Ú.	10	3/15/99	9:34	h. Cash	3270C	556
15(2-phiure-fragilether	140	60/1	100.	10.	10	3/15/99	9: 34	To Doub	9270C	556
ist2-rhlorouserosyl)ether	3-0	17071	100	10.	10	8/15/99	2134	d. Cobb	3270C	556
-thloronaumchalene	19	198/1	10C.	10.	16	8/15/99	7:34	1 5634	3270C	556
-Chlorognenoi	MD	00/1	150.	13.	10	8/15/99	7:34	7. Co30	3270C	556
-Chlorockesch-umenbletber	CE:	30/1	30.	10.	10	3/15/99	9:34	f. Cosb	3270C	356
hrysene	ED.	19/1	130	3.0.	13	8/15/59	9:34	a. Cobb	3278¢	556
ibenioforoa	-69	15921	100.	19	10	8/15/99	9:34	M. Coha	2279C	556
ibenzia,alantdrasene	50	04/1	198.	JE.	10	8/15/99	7: 24	d. Coch	3270C	556
2-Dicklorohenzone	HD	1780	100	10.	70	8/15/99	9-34	d 0045	3270C	556
3-Bichloropenzene	39	04/1	:90.	10.	10	8/15/99	2- 14	3 (36)	270C	556
4-Dichlorobenzene	35	ug/1	100	10.	19	8/13/79	5-34	3367 5	3270C	556
2°-Bichlorogenzidine	ND.	24/1	200	29.	10	3/15/77	8 34	d Cale	5270T	556
.4-0:cn1creth-moi	(°)	22/1	130.	39.	.0	8/15/99	1-34	5 500	5276C	556
rect claktrasass	-0	113/7	100	19	10	9/15/99	4. 44	2 Tout	3270C	556
I-Binetodapia bea	30	va/1	255	16	28	3/15/99	2 40	70.25	2700	556
imettallati sista	110	46/1	LCC.	:3.	187	8/15/99	0.00	1 6002	277CC	556
u-Augusach Late	20		29.	111.	33	3/15/97	2 4	1 134	E790	555
S-Diantro-1-seculthemil	111	37/1	-00	23	10	3/15/99	25.01	1. 5.50	527GC	556
4-Parity of Sons	33	39/1	-50	75.	10	5/15/99	9 19	6,01	2780	556
- r-1521/2000 - 200	20	GAT.	100.	23.	10	9/15/99	7.35	1 1.15	270C	:56
Land McETON LIVE III	29	Jar.	237.	12.	20	3/15/99	3. 24	2.00	2700	356
THE STATE OF A COLUMN	(3	1971	135.	10.	13	3/15/99	24.73	1 7494	527GC	556
Profite and the state of the st	*8	20/7	100	10.	10	0/15/97	7-74	1/1/16	1279C	536



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

#### ANALYTICAL REPORT

Laboratory Number: 77-4121833 Sample JD. 766-9P-1-8-99

unak y Sa	Result	dests.	Seport Linit	neum Timit	eil Fector	Oste	Tine	Phalyst	Rethod	Bato
lucirene	.30	4.1	100	10.	10	3/15/79	7:34	n Coss	5270C	5569
exactioronenaege	T. T.	09/1	100.	10.	10	9/15/77	7. 24	A. Cabb	3270C	3369
lexachier butasiese	723	7/1	100.	19.	1.0	3/15/77	7:34	n Cabe	3270C	5559
exachlorocyclepentadiene	3.0	Jq/1	100.	10.	10	3/15/27	2.39	M. Cobb	32786	5567
Priceloroethane	250	1973	100.	13.	19	2/15/99	7:34	M. Copb	8270C	3569
ageno(1 3-od) surese	23	9/1	100.	18.	1.0	3/15/79	9.34	A. Cobb	527DE	5569
Sanacace	3.5	123	100.	1.0	10	0/15/59	*: 54	a. Cobb	82700	5569
-Tetnulassachalese	15,	-4- k	200.	10.	15	8/15/99	7:34	n Cook	278C	5569
nothqiphenol	82	14/1	100	10.	1.0	3/15/77	7:34	n. cobb	3270C	5559
ing 4-Methylphenol	v0	24/1	169.	10.	10	0/35/99	3.34	M. Cons	3270C	5569
(aphthalene	100.	14/1	100.	10	10	9/15/99	9:34	A. Cobb	8270C	5569
-Nitroanilius	40	4/1	250.	25.	10	8/15/97	9:34	A. Cobb	8270C	5569
-Fitroanuline	en en	1/60	250.	25.	10	3/13/39	7: 34	n. Conb	32708	5569
-Mitropolice	89	34/1	250.	25.	10	3/15/99	4:34	ff Coah	3270C	5569
litrobeazene	AD.	-4/1	100.	13.	16	0/15/99	9:34	N. Cosb	6270C	5569
-Hitrophemot	×10	0/1	1.00	10.	20	4/15/99	5:34	M. Subb	32700	5569
-Hitronsenol	40	59.4	258.	-5	10	3/15/59	4: 34	A. Cush	3270C	5569
-Mitroso-Di-n-Propulanche	80	121	1.00.	10.	1.0	3/15/99	7:34	ii. Cobb	927GE	5569
(-Nitroscriphenelaniae	10	59/1	7.00	10.	10	0/15/97	7:34	A. Cabb	3270C	3369
ontachioronnend	40	02/1	250.	25.	201	5/15/99	7:34	M. C.lb	4270C	5569
department.	;00.	34/1 34/1	100.	19	13	3/15/97	7: 34	f. Cash	32700	5569
	31D		100.	15.	10	0/15/99	7:34	n Coss	3270C	7569
119482	110	33/1	190.	10.	19	3/15/99	7:34	n Coss	3270C	5559
FASH	::0	-98 <b>1</b>		10.			7:24	M. Cook	2790	5569
(SCZ-ethollexulophthalate	11g2	22/1	100.		10	3/15/97			0270C	5569
3 4-Iriahluraheazena		ate 1	100.	10.	10	3/15/27	9. 20			5567
.4.5-Trichlorophenol	:D -(9	19/1 199/1	250. 100.	25. 10.	10	3/15/99 0/15/59	9: 34	fl. Cash fl. Cash	2279C 3279C	5569
4,4-Trichloropham)i	-19	1937 T.	1.00.	LU.	TU	UF #41 27	71,34	h. C.300	1721116	3307
- GREATILE GREAKICS)	262		3.202	3.2	654	- de Ina	12.14	430.3	13.700	
rema	£*40	4/1	1000	10	100	4/13/53	17:39	M. Naru	>2608	4658
ordielu .	40	412	30	16	3	9/17/79	12:24	8. Ward	32508	4628
lurylgattille	<b>45</b>	110/1	50	18	2	8/17/77	12: 64	f. Hars	3.760B	4658
enzene	199	C47.7	40	2	2		12:24	E. list's	7550	4658
onchenzene.	40	3/1	10	2	2	3/17/79		S. Gard	32650	4658
one of the constitution of	.40	141	- 3	4	25	3/17/93	12:04	S. Xara	32808	4658
Higher at	13	11.8	20	3.	15	5, 17/97	12:04	N. Hard	*260B	4658
EMORET LIVE	19	14.1	10	44	2.	6.27/99	17:34	A Mara	STAGE	4858
247. 2 harden	25	371	50	3.0	5	8-17/74	12.04	R. Hand	4280R	4658
FRELIGIET CAE	-585	1411	1.3	12	100	17/79	12:114	K. Hars	12608	47.28
, 42 20 Lave	_3	det	10	**		1, 79	72.94	2) 443.4	Z502	1558
Complete Special Property Communication Comm	190	-1/1	10			1777/20	12:04	7. N574	326DB	3056
TRUE PLANTAIN	42	1/4	19		3	4/10/45	12.04	E Have	02608	4655
man trackaterica	B's	-543	10	7.	2	1/17/99	12:34	H Hard	12808	3558
gett fried who	4.0	12	37		0	17/73	12:54	L. Whet	17608	1358
inias) ( 40%	45		29	X		127/29	12:04	N. Ward	12398	9558
the manufacture of		1/2		-		1413,55	12,04	or war d	37408	2553

# A DE

#### SPECIALIZED ASSAYS, INC.

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

#### ANALYTICAL REPORT

Lean story flummer: P9-A121833 Sample 10 756-58-1-8-99

W 17	****		Faport	2033	211	2.5		40.000		
77(2)	Vereix	01:	1.1812	Linit	Factor	iste	1110	Rnalyst	nethod	Date
Largeore	:10	71	ā		5	9/17/99	12.04	8. 43rd	3260B	4658
Termertage	30	39/2	12	2	*	7/17/99	12:04	3. Ward	3280B	4658
i divier-luses	20	77	23	2		2/17/79	12.54	W. Ward	376GB	4658
-Coloracaltege	#P	3,52	16	-	· ·	3/17/77	13:04	R. Kard	826DB	4658
T Selections-s-chloroprotates	10	5/14	73	10	1	3/17/99	12:04	S. Serd	3280T	4658
.176.eo6laramettaee	169	44	19	7	1	3/17/97	12:04	7 Hard	82600	4658
E 1/640958989	33	W2	1.6	7	*	3/17/29	12:04	T Ward	52608	4658
Nec tone have	Ab.	4.50	15	3	5	3/17/99	12:04	W. Hare	32600	4658
-Fightoro-z-batese	160	5/4	22		5	17/99	12:04	R. Hard	22600	4658
3 Stablarchenzene	40	5/1	2.7	2 2 2	5	2/17/77	12:04	R. Hard	8260B	4658
i-Pichiarotenzane	ND	rart.	19	2	5	8/17/79	12.04	n. Ward	8260B	4658
-d-Cichlorobenzene	₩D	219/1	3.0		5	3/17/99	17:94	E Nard	828DB	4658
chlaredifluoremethase	HD	40.7	10	2	5	3/17/79	12:04	7. Hare	82600	4653
1-Diomicrosthage	HD	29/1	13	2	5	8/17/99	12:04	C. Kard	82608	4658
1-Dichloroechave	ND	-4/1	919	7	5	3/17/99	12:04	S. Hard	3260B	4658
intimiarosthene	MD	1/1	13	2	5	6/17/99	12:01	E. Kard	8260B	4658
s-1.2 Sichloroachese	ess.	201	and the	2	5	8/17/99	12:64	S. Ward	3260D	4658
ens-1 N-bicalorcettese	30	1/1	- 9	2	5	3/17/97	12:54	1 Ward	82600	4658
1-Diesistenropase	10	0.21	30		5	5/37/79	12:04	2. Hard	326DK	4658
c-Grangescandage	200	1812	16	-	5	9/17/99	12:04	7 Hard	8260B	4658
2-Dichioropropase	₩D	1/1	-3	11.11.0	5	5/17/99	12:04	G. Hard	3260K	4658
1-010bloropropane	70	*6/ I	10	7	5	3/17/99	12:04	E Nara	828BB	9658
	div.	2/1	10	2	2	0/17/99	12:84	T. Hard	3250R	4658
	119					3/17/99	17:04		8260B	4658
rids-1,2-0ichLordoradene	11	ng(l)	-2	3	4	200000000000000000000000000000000000000		R Hard R Hard		4658
nnol parene			19	9	9	6/17/99	12:04		3260B	
izachloroputadiene	80	04.1	Li .	2	5	3/17/59	12:04	7 Warn	82606	4658
Her indhe	(4)	170	36	10	5	3/17/99	12:04	1. 0474	9260B	4658
deneration	100	WI	.0	3	2	2/17/99	12:04	Ward	9260B	4658
Cornoditeersed	12.5	1/1	1.5	2	5	1/17/99	12:04	H. Ward	3260B	4658
-Tscaropyituluare	16	783	:0	2	5	3/17/39	12:04	S. Kard	9260B	4658
ethyl methacyplate	HD	49/3	22	*	12	0/17/79	12:04	: Sard	32808	5149
-Mathail desensanone	X0	20/2	70		5	2/17/39	12:64	T. Yard	32608	4658
-chulene cyfolete	30)	2/1	-5	÷	7	2/17/59	12:04	T. Ward	32608	4658
rinchatere	31	9/1	7C	9	2	2/17/79	12,04	2 Tare	32500	4659
	17	202	10	2		3/17/99	12:04	o. Hard	9260K	4658
1 Ste	10	1/4	-1			7/17/79	12:34	> 3.55	326011	4655
to crossionsechase	.(3)	=(1	30	3	2	17.77	12:25	". Rare	8260B	4658
Techocateroethase	-40	4.4	4		101	1/17/79	32:44	are	326010	4659
TI SICTIVITING	49	-101	3.3	5	5	7/17/93	12:84	1879	32608	4656
2-8	18 5	100		-		Millian	13.54	2573	32600	4358
1 fr dischange	=30	4-	17	7.	-9	1/17/79	12.04	17, 1442-4	2280B	4658
- in Larmonneau	69	-14	- 2	2	1	/17/79	12:24	Hard	3260B	-658
- design ethas	707	1.1	-2	-	Ť	- 17/99	127:94	2774	3250B	3858
- 0.000 1005196	73	114	100			27777	12.54	Here	17808	9650
122,241,350	32	-1	43	-	-	11.00	12:39	- Name	82600	1658
* Pigranyotana	dra	10.2	11	5		8/27,50	12:04	× 3224	3260B	4850

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

#### ANALYTICAL REPORT

\_amoratory Number: 45-4121933

Fage 4

nalute	Ecsuis	daits	Troce:	Auan Linit	1 1000F	cate	Time	nearust	method	Batch
2,4-frinstanlagazere	25.25	rac1	.0	**	-	3/17/77	12:04	S 9270	324011	4658
.1.3 Trinetaulteareas	45	1/1	45	4.	3	3/17/99	12.64	" Hava	82668	4656
ingl watste	36	34/1	.0	2.2	5	3/17/99	12:94	1. Kard	32608	4656
had chicrise	362	10/1	19	1		3/17/99	12:04	d. Sard	32500	4658
19666	1	-13/1	100	2	4	2/17/99	12:04	7. Hard	37600	9658
moneste de la constante de la	41.	44	.2	2	3	0/17/79	12:24	T. Hart	1280D	4658
enterorite are the second	. 3	901	- 5		4	8/17/99	12:04	5 March	02400	4658
'. Thul-Y-19thl Pchar	- 63	33/3	1			3/17/99	12:64	th Hard	32300	4858

-0 = dot detected at the import limit.

#### Sample Extraction Data

	ut flet				
, aranater	entracted	estruc But	1.6	3291666	Method
			C-19-1-1-1-1		
*9'5	-361	- 13 (44 - 14 (44)	1713/73	1. 1.000	510

orthogoth.	6 Rocevery	"Arget Fanco		
78 Cm 12-68 2	211	io 13 <b>3</b> .		
MA Perr, Luisene 45	72.	20 123		
189 Curry, 4-SFR	71k,	F3. 122.		
CA North Mich	-8	76 132.		

Second Sources To

well Report 2

Report Date 117719

Theograph : Operio (M.D. Lew Director Tichael H. Domn, M.S. Fernacal Director Grand : "Tuonsil, Tip Technical Darrocks Oric (Mich. Principles Cennical Director Sail Lage Confuser Santage Confuser Sail Lage Confuser Santage

Laborator - into Louisian imper 527



### 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	Valts	Linit	Linit	Factor	Rnalysis Date	Analysis Time	Analyst	Method	Batch
*EXTRACTABLE DREAMICS*										
Acenaphthene	ND	Ug/1	10.0	10.8	1	8/24/00	5:42	J. Fuqua	8270C	2954
Acenaphthylene	HD	Ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	6270C	2954
Rathracene	ND	Uq/1	10.0	10.0	1	8/24/00	5:42	J. Fugua	8270C	2954
Denzo(a)anthracene	HD	ug/1	10.0	10.0	1	8/24/00	5:42	d. Fuqua	8270C	2954
Benzo(a)pyrene	QH.	Ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Benzo(b)fluorantheme	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8279C	2954
Denzo(g,h,i)perylene	HD	Ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Benzo(k)Fluoranthene	HD	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
4-Bronophenyl-phenylether	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Butglbenzylphthalate	HD	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Carbazole	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
4-Chloro-3-methylphesol	ND	ug/1	10.8	10.0	1	8/24/00	5: 42	J. Fuqua	8270C	2954
4-Chloroaniline	MD GH	119/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Bis(2-chloroethoxy)methane	KD	Ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Bis(2-chloroethgl)ether	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Bis(2-chloroisopropyl)ether	KD	119/1	10.0	10.0	1	8/24/99	5:42	J. Fuqua	8270C	2954
2-Chloronaphthalene	HD	Ug/1	10.0	10.0	1	8/24/00	5:42	d. Fuqua	8270C	2954
2-Chlorophenol	HD	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
4-Chlorophenyl-phenylether	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8279C	2954
Chrysene	ND	09/1	10.0	10.0	1	8/24/00	5:42	d. Fuqua	8270C	2954
Dibenzofuran	ND ON	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8278C	2954
DibenzCa,hlanthracene	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
1,2-Dichlorobenzene	NO	89/1	10.0	10.0	1	8/24/00	5:42	J. Fugua	8278C	2954
1,3-Dichlorobenzene	ND	ug/1	10.0	10.0	1	8/24/00		J. Fuqua	8270C	2954
1,4-Dichlorobenzene	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
3,3'-Dichlorobenzidine	HD	ug/1	20.0	20.8	1	8/24/00		J. Fuqua	8270C	2954
2,4-Dichlorophenol	ND	ug/1	10.0	10.0	1	8/24/00		J. Fuqua	6270C	2954
Diethylphthalate	ND	ug/1	10.0	10.0	1	8/24/00		J. Fuqua	8270C	2954
2,4-Dinethglphenol	ND	Ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Dimethylphthalate	ND	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
01-n-Butglohthalate	KD	ug/1	10.0	10.0	1	8/24/00	5: 42	J. Fuqua	6270C	2754
4,6-Dinitro-Z-methylphenol	ND	Ug/1	25.0	25.0	1	6/24/00		d.Fuqua	8270C	2954
2,4-Dinitrophenol	ND	ug/1	25.0	25.0	1	8/24/00	5:42	J. Fuqua	8270C	2954



#### ANALYTICAL REPORT

Laboratory Number: 00-A114117 Sample ID: 766-GF-2R-6-00

Analyte	Result	Units	Report	Linit	Dil Factor	Analysis Date	Analysis Tine	Analyst	Nethod	Ratch
2,4-dimitrotoluene	ND	ug/1	10.0	10.0	1	8/24/00	5: 42	J. Fugua	8270C	2954
2,6-Dimitrotoluene	ND	ug/1	10.0	10.0	1	8/24/00	5: 42	J. Fugua	8270C	2954
Di-m-octylphthalate	ND	ug/1	10.0	10.0	1	8/24/00	5: 42	J. Fugua	8270C	2954
Fluoranthene	ND	09/1	10.0	10.0	1	8/24/00	5: 4Z	J. Fugua	8270C	2954
Fluorene	MD	Ug/1	10.0	10.0	1	8/24/00	5:42	J. Fugua	8270C	
Hexachlorobenzene	MD	Ug/1	10.0	10.8	1	8/24/00	5: 92	J. Fuqua	8270C	2954
Hexachlorobutadiene	ND	ug/1	10.0	10.0	1	8/24/00	5: 42	J. Fugua	8270C	2954 2954
Hexachlorocyclopentadlene	ND	Ug/1	10.0	10.0	1	8/24/00	5:42	J. Fugua	8270C	
Hexachloroethane	ND	09/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
Indeno(1,2,3-cd)pyrene	MD	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua		2954
Isophorone	HD	89/1	10.0	10.0	1	8/24/00	5: 42	J. Fuqua	8270¢	2954
2-Methglnaphthalene	ND	Ug/1	10.0	10.0	1	8/24/00	5: 42		8270C	2954
2-Methylphenol	ND DH	ug/1	10.0	10.0	î	8/24/00	100 100	J. Fugua	8270C	2734
3 and 4-Methylphenol	ND	ug/l	10.0	10.0	i	8/24/00	5:42	J. Fuqua	8270C	2954
Maphthalene	RD	ug/1	10.0	10.0	1	8/24/00	5:42	J. Fuqua	8270C	2954
2-Mitroaniline	ND	Ug/1	25.0	25.0	1	8/24/00		J. Fuqua	8270C	2754
3-Mitroaniline	ND	ug/1	25.0	25. 6	1	8/24/00		J. Fugua	8270C	2954
4-Mitroaniline	ND	ug/1	25.9	25.0	1	8/24/00	5: 42	J. Fuqua	8270C	2754
(itrobeazeae	HD OH	ug/1	18.0	10.0	î	8/24/00		J. Fuqua	8270C	2954
2-Mitrophenol	ND	ug/1	10.0	10.0	i	3/24/00	5:42	J. Fuqua	8270C	2954
4-Hitrophenol	ND	Ug/1	25.8	25.8	1	7.00.0.00	5: 42	d. Fuqua	8270C	2954
Mitroso-Di-a-Propylaniae	ND.	ug/l	10.0	10.0	1	8/24/00		d. Fuqua	8270C	2954
(-Hitrosodiphenylamine	ND OH	09/1	10.0	10.0	1	8/24/99		J. Fuqua	8270C	2954
Pentachlorophenol	KD		25.0	25.8		8/24/00		J. Fuqua	6270C	2954
Phenanthrene	ND	119/1	10.0	10.0	1	8/24/90		J. Fuqua	8270C	2954
Phenol	ND	Ug/1			1	8/24/00	5: 42	J. Fugua	8270C	2954
Pyrene	ND GH	Ug/1	10.0	10.0	1	8/24/00	5: 42	J. Fugua	8270C	2954
		ug/1	10.0	10.0	1	8/24/00		J. Fuqua	6270C	2954
Bis(2-ethylhexyl)phthalate 1,2,4-Trichlorobenzene	ND DK	Ug/1	10.0	10.0	1	8/24/00		J. Fuqua	827GC	2934
	ND	Ug/1	10,0	10.0	1	8/24/00		J. Fugua	8270C	2954
2,4,5-Trichlorophenol	ND ND	ug/1	25.0	25. 0	1	8/24/00	5: 42	J. Fuqua	8270C	2954
2,4,6-Trichlorophenol	MD.	ug/1	10.0	10.0	1	8/24/00	5:42	J. Eugua	8270C	2954
WUBLATILE ORGANICSM										
Acetone	KD	ug/1	56.0	10.0	1	8/20/00	13:11	H. Hurt	8260B	6751
Acroleia	ND	ug/1	10.0	10.0	1	8/20/00	13:11	H. Hurt	8260B	6751
Acrylonitrile	KD	ug/1	10.0	10.0	1	8/20/00		H. Hurt	8260T	6751
Benzene	ND	ug/1	2.0	2.0	1	8/20/00		N. Hurt	8260B	6751
Bronobenzene	MD.	8g/1	2.0	2.8	1	8/28/80		N. Hurt	8260B	6751
Bronochloromethane	HD	Ug/1	2.0	2.0	1	8/20/00		N. Hurt	8260B	6751
(PonoForm	MD	ug/1	2.0	2.0	1	8/20/00	The second in large way.	H. Hurt	826UI	6751
Uronomethane	ND	ug/1	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
2-Butanone	KD	49/1	50.0	10.0	1	8/20/00		N. Hurt	82600	6751



### ANALYTICAL REPORT

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

Analyte	Result	Units	Report Limit	Linit	DII Factor	Analysis Date	Analysis Tine		Analyst	Nethod	Batch
n-Dutylbenzene	ND	ug/1	2.0	2.0	1	8/20/00	13:11	H.	Hurt	82608	6751
sec-Butylbenzene	ND	Ug/1	2.0	2.0	1	8/20/00		N.	The second second	8260B	6751
t-Butglbenzene	KD	119/1	2.0	2.0	1	8/28/00		N.		82608	6751
Carbon disulfide	MD	Ug/1	2.0	2.0	1	8/20/00		N.	06.3	8260B	6751
Carbon tetrachloride	ND	ug/1	2.0	2.0	1	8/20/00	13:11	K.		8260B	6751
Chlorobenzene	ND	ug/1	2.0	2.0	1	8/20/00		28.	Hurt	8260D	6751
Chloroethane	MD DH	Ug/1	2.0	2.0	1	8/20/00	13:11	N.	Hurt	8260B	6751
2-Chloroethglvinglether	ND	ug/1	5.0	5.8	1	8/20/00	13:11	N.		8260B	6751
Chloroforn	ND.	Ug/1	2.0	2.0	1	8/20/00	13:11	H.		8260B	6751
Chloronethane	ND	ug/1	2.0	2.0	1	8/20/00	13:11	X.	Hurt	8260T	
Z-Chlorotoluene	ND	ug/1	2.0	2.0	1	8/20/00	13:11	H.	Hurt		6751
4-Chlorotoluene	ND	ug/1	2.8	2.0	1	8/28/00	13:11	N.		8260B	6751
1,2-01brono-3-chlorograpane	KD	ug/l	10.0	10.0	1	8/20/00	13:11		Hurt		6751
Dibronochloromethane	ND	ug/1	2.0	2.8	1	8/20/00	13:11	N.	Hurt	82608	6751
1,2-Dibronoethame	HD	ug/1	2.0	2.0	1	8/20/00	13:11	N.	Hurt	8260B	6751
Dibromomethane	CH	09/1	2.0	2.8	1	8/20/00	13:11	N.	Hurt	82608	6751
t-1,4-Dicklorg-2-butene	MD.	ug/1	2.0	2.0	1	8/20/00	13:11	H.	Hert	8260B	6751
1,2-Dichlorobenzene	ND	ug/1	2.0	2.0	1	8/20/00		H.		6260B	6751
1,3-Dichlorobenzene	ND	ug/1	2.0	2.0	1	8/20/00	13:11	H.	Hurt	8260E	6751
1,4-Dichlorobenzene	ND	Ug/1	2.0	2.8	1	8/20/00	13:11	M.		8260E	6751
Dichlorodifluoromethane	HD	ug/1	2.0	2.0	1	8/20/00		337	Hurt	8260B	6751
1,1-Dichloroethane	ND	ug/1	2.0	2.8	1	8/20/00	7. 5. 2. 5. 5. 5.	X.	Hurt	62608	6751
1,2-Dichloroethane	ND	ug/1	2.0	2.0	1		-	H.	Hurt	8260Ir	6751
1,1-Dichloroethene	ND	ug/1	2.0	2.8	1	8/20/00	13:11	H.	Hurt	8260B	6751
cis-1,2-Dichloroethese	KD	ug/1	2.0	2.0	1	8/20/00	13:11	H.	Hurt	8260K	6751
trans-1,2-Dichloroethene	ND	ug/1	2.0	2.0	1		13:11	N.	Hurt	82608	6751
1,2-Dichloropropane	HD	ug/1	2.0	2.0	1	8/20/00	13:11	H.	Hurt	8260K	6751
1,3-Dichloropropane	MD	ug/1	2.0	2.0	1		13:11	H.	Hurt	8260E	6751
2,2-Dichloropropane	ND	ug/1	2.0	2.0	1	8/20/00	13:11	X.	Hurt	8260B	6751
1,1-Dichloropropene	ND ON		2.0	2.0		8/20/00	13:11	N.	Hurt	8260B	6751
cis-1,3-Dichloropropene	ND	ug/1			1	8/20/00	13:11	N.	Hurt	82608	6751
		Ug/1	2.0	2.0	1	8/20/00	13:11	H.	Hurt	82600	6751
trans-1,3-Dichloropropene	ND ON	ug/1	2.0	2.0	1	8/20/00	21.4 ( 2.40)	H.	Hurt	8260B	6751
Ethylbenzene Voyanhlarakutadiana	KD	ug/1	2.0	2.8	1	8/20/00			Hurt	826BB	6751
Hexachlorobutadiene	KD	ug/1	2.8	2.0	1	8/20/00			Hurt	82608	6751
2-Hexanone	ND	Ug/1	10.8	10.8	1	8/20/00			Hurt	82608	6751
Iodonethane	ND	ug/1	2.0	2.0	1	8/20/00			Hert	8260H	6731
Isopropylhenzene	KD	ug/1	2.0	2.8	1	8/20/00			Hurt	8260B	6751
4-Isopropyltoluene	HD	09/1	2.0	2.0	1	8/20/00			Hurt	8260B	6751
Methyl methacrylate	HD	09/1	5.0	5.0	1	8/20/00			Hurt	8260R	6751
4-Methyl-Z-pentanone	HD	09/1	10.0	10.0	1	8/20/00			Hurt	8260R	6751
Methylene chloride	סא	ug/1	5.0	5.0	1	8/20/00			Hurt	8260B	6751
Naphthalene	KD	ug/1	5.0	5.0	1	8/20/00	13:11	X.	Hurt	8260B	6751

### Test/America

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

Roalyte	Re	esult Unit	Report S Limit	Linit	D11 Factor	Analysis Date	Analysis Time	Analyst	Nethod	Ratol
n-Propylbenzene	ND	ug/l	2.0	2.0	1	8/20/00	13:11	M. Hurt	8260B	6751
Styrene	ND	Ug/1	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,1,1,2-Tetrachloroet	hane HD	89/1	2.0	2.0	1	8/20/00	13:11	N. Hurt	82608	6751
1,1,2,2-Tetrachloroet	hane NO	09/1	2.0	2.8	1	8/20/00	13:11	N. Hurt	8260B	6751
Tetrachloroethene	MD.	ug/1	2.0	2.0	1	8/20/00	13:11	H. Hurt	8260B	6751
Toluene	ND	ug/1	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6751
1,2,3-Trichlorobenzen	9 80	09/1	2.0	2.0	1	8/20/00	13:11	N. Hurt	82608	6751
1,2,4-Trichlorobenzen		ug/1.	2.0	2.8	1	8/20/00	13:11	N. Hurt	8260B	6751
1,1,1-Trichloroethane	RD	Ug/1	2.0	2.0	1	8/20/00	13:11	N. Hurt	8260B	6731
1,1,2-Trichloroethane	ND	ug/1	2.0	2.0	1	8/20/00	13:11	H. Hurt	8260B	6751
Trichloroethene	מא	ug/1	2.0	2.8	1	8/20/00	13:11	H. Hurt	8260R	6751
1,2,3-Trichloropropan		Ug/1	2.0	2.0	1	8/20/00		N. Hurt	8260N	6751
1,2,4-Trimethylbenzen		09/1	2.0	2.0	1	8/20/00		N. Hurt	6260B	6751
1,3,5-Trinethglbenzen		ug/1	2.0	2.0	1	8/28/00		N. Hurt	8260B	6751
Vingl acetate	ND	ug/1	10.0	10.0	1	8/20/00		M. Hurt	8260R	6751
Vinyl chloride	ND	ug/1	2.0	2.0	1	8/20/00	11111111111	N. Hurt	8260B	6751
Xylenes, Total	KD	ug/1	2.0	2.8	1	8/20/00		N. Hurt	82608	6751
Brono4ichloromethane	ND	ug/1	2.0	2.0	1	8/20/00		N. Hurt	826DB	6751
Trichlorofluoromethan		ug/1	2.0	2.0	1	8/20/00		M. Hurt	8260T	6751
Methyl-t-butyl ether	RD	Ug/1	2.0	2.0	1	8/20/00	3.00	N. Hurt	8260K	6751
*NISCELLANEBUS CHENIS	TRYN									
Sulfate	8.2	0 Hg/1	1.00	1.00	1	8/17/00	10:22	S. Overton	9038	8027
Total Organic Carbon	8.9	7	1.00	1.00	1	8/16/00	11:17	P. Rudd	415.1	7493
ND = Not detected at	the report	linit.								
Sample Extraction Dat		-	***********				*******	***************************************		
Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst		Method				
DNA's	980. nl	1.0 Hl	8/16/00	D. Yeage	r	3510				
Surrogate			% Recovery		Target	Range				
	7		222		90.	- 529				
VDA SUTT, 1,2-DCA, 0	4		126.		. 71.	- 136.				



#### ANALYTICAL REPORT

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

Page 5

Surrogate	% Recovery	· Target Range
		*********
VOA SUFF, 4-BFB	117.	65 122.
VOR SUFF, DBFM	95.	61 139.
surr-Nitrobenzene-45	59.	16 120.
surr-2-Fluorobiphenyl	57.	10 136.
surr-Terphenyl d14	20.	10 119.
surr-Phenol d5	18.	10 67.
surr-2-Fluorophenol	28.	10 148.
SUTT-2,4,6-Tr1bronophenol	78.	11 144.

These results relate only to the items tested.

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Report Approved By:

Paul E. Lane, Jr., Lab Director Michael H. Dunn, M.S., Technical Director Johnny A. Mitchell, Dir. Technical Serv. Eric S. Smith, Assistant Technical Director Report Date: 8/24/00

Gail A. Lage, Technical Serv. Glenn L. Morton, Technical Serv. Kelly S. Comstock, Technical Serv. Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 84009

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

#### ANALYTICAL REPORT

SEMPLE TOTATETS HAVE -4-1000

TAKE PART SON

32 'SE LITERPE 4VE

See Jeco.

Project Tage: LAUNEL BAY

PTIME MOSSUL DELIGHES

Lau Number: 77-4121635 Sample ID: 755-37-3-8-99 Sample Tupe: Shound Dater

Gite ID:

Data Collected: 5/11/79
Time Collected: 10.25
Data Received: 8/12/99
Time Received: 9:00

			Trees	avan	011					
i li pi e	Casair	Chits	tinit	Limit	1 socer	Data	Time	Hallest	Tethod	Rato
EXTERETATUL CINSANTESA										
CATERNI IL SE MARKENAN	NO	3/1	io.	10.	1	8/14/59	28:21	n_ 5565	8278C	5369
менамического менарабрация	20	on'L	10.	10	1	3,14/79	25.21	d. Cabb	9270C	5569
athroppie	10	3471	19.	10.	1	8/14/77	25 21	H Cobb	3270C	5569
enzonalestiracese	HD	92/1	10.	10.	1	8/14/99	23:21	H. Cobb	3270C	3569
The state of the s	40	ugri	10.	10.	1	8/14/99	23:21	A. Coss	9270C	5369
enzaka) bijirene	HD:		10.				23.23		9270C	5569
enzochiti orapiaete		19/1		10.	1	9/14/99		d Coba		
anzo(1,2,1) revulesa	N9	114/1	10.	10.	1	8/14/99	23.21	a Cabb	4270C	5569
onzelini i svrnacozna	ū.	1971	10.	.0.	£	9/14/99	23: 21	d. Coab	∂270¢	5569
i-Premonsenva - one and such ar	30	mp/1	10.	IG.	3	3/14/99	23:21	1. Cobb	3270C	5569
otulneszniphtlaraka	מוּ.	16/1	29.	13.		3/14/99	23: 21	a. tobb	3270C	5569
Apasan a	40	04/1	10-	1.0.	1	3/14/99	23, 21	a. Cobb	3279C	5569
-Daloro-J-methylonemoi	÷0	93/1	10.	10.	X.	8/14/57	23.21	f. Cabb	3270C	5569
-Caloracelline	40	110/1	AD.	10.	1	8/14/99	73:21	7 Cobb	8270C	5569
is(I-milaroechexu) methano	30	14/1	13.	13.	1.	3/14/99	23: 21	7 0000	82700	5569
is(2-struct-chyl)ether	10	129/1	.D.	1.0.	1.	9/19/99	33:31	7 Kath	8279C	5569
s(2-mbluro.sourosel)ether	KID	will	.4	10.	2.	8/19/99	23:21	a. Sopp	3270C	5369
-dalorestateateas	CH CH	39/1	1.12.	20.	1	8/14/79	23:21	4 6066	827UC	5569
-Chloromeseot	.10	00/1	7.6.	10.	1	8/14/99	23: 21	H Cosu	8270C	5569
Chloroussell-whenelether	45	uar1	10.	10	1	3/14/99	22: 21	M. Cobb	3270C	5569
Arysene	40	19/1	16.	13.	1	3/14/99	23:21	n. Cobe	3270C	3569
chencoremin	db.	19/1	10.	10.	1	3/14/99	23:21	7 6055	12700	5569
ibanzia - althrajane	40	11/1	w.	10.	1	3/14/99	43:21	a. Ceap	5270C	5569
2-0 page 00000	.÷D	Jarl	10.	10.	1	8/14/97	23: 21	1. Cabb	3270C	5569
.P-d.Stlereverzene	29	ve/I	10.	10.	1	3/24/99	23:21	7. 76.50	3270C	5569
2-416073676-1-102900	40	30/1	10	10.	1	3/14/97	23: 21	T. C039	3270C	5569
. The t. or wentedate	40	24/1		20.	1	8/14/90	25:31	7 Cubb	9270C	5569
3-010-12 1 19502	H25	1/1	13.	20.	i	3/19/97	752-31	1 1015	3270C	5569
iethalic "ilets	3	10/1	13.	19.	8	3/14/99	73: 22	7. Cubb	3270C	5569
196 - 18 - 2 x 1960/2	30	HS/ L	73.	ad.	Ti.	2/24/39	.2 21	1. 0000	327CC	5569
inethic in 1 Pg	59	od/L	2.	16.	4	0/14/99	23.71	T treat	32700	5569
- Figerial Annaulie	-71	15/22	143.	10	W.	8/14/37	21.71	0.00	5270C	5569
1-0(p):	-9	9/1	75.	25.	150	0/14/99	22.21	1. 5055	82700	5569
t-i) age - lengt	30	073	55	33	1.	3/14/79	73:21	15 2500	3279C	5569
v=10 N2 - 17 1 - 500	10	28/1	2.	1/2		9/14/90	10.51	- 0185	3270C	5569
2-E 1 x 2-1 = 136-64	195	25/1	19.	13	2	8/14/99	27.11	4 70.06	2270C	5559
astate	25	44/2	.0.	10.	4	1/14/70	15.21	5 5abb	8270C	5559
2 67 7 7	-0	37.4	12.	19.	6	1/14/95	1 1	1 1465	3279C	5569



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

#### ANALYTICAL REPORT

Laterstory Number 79-A121835 Sample ID: 766-SP-3-8-99

Analute	Sesult	Varts.	Report Libra	nsul Than	Factor	Sate	Tine	Analost	Hethod	Bato
******										
Luorane	3475	32/1	16.	14	1	3/14/99	23:21	ff Sobb	3270C	5369
exaceloropeazena	323	49/1	10	19.	1	3/14/99	23:21	d Cabb	827BC	5569
xachlorodutadiene	45	1421	10.	20	2	3/14/79	73: 21.	m. Coba	8270C	5369
экаспіаторроіораясалівае	110	10/1	15.	13.	2	3/19/99	23:21	7. 6020	S270C	5569
exachluraethane	40	1771	10	13.	1	3/14/99	23:21	n Cobb	3270C	3565
depo41.2.3-cd/agrene	17	18/1	19.	RC.	-	3/14/99	23:21	h. Cuns	3270C	3569
Sophurane	42	2012	19	4.7.	~	3/14/79	23:21	M. Cuba	827DC	5565
-hetaginasathalene	no.	1573	10.	23.	3	3/14/99	23.21	il Coto	3270C	3569
-detadlament	35	1/4	1.0	85.	1	3/14/99	23:21	ff. Sabo	827 <b>8C</b>	5569
and 4-Methylphenor	HD	Hart.	10.	10.	1.	2/14/99	23:21	II. Cobb	3270C	5565
raphthalene	CF CF	09/1	10	10.	1	8/14/99	23:21	d Cabb	8270C	5565
-Hitroamiline	MD	ugrl	25.	25.	1	8/14/99	23:21	a. Coth	3270C	5569
-Mitroaniline	40	24/1	25.	25.	1	3/14/99	23:21	7. Cobb	8270C	5569
-Nitzonniline	40	92/1	25.	25	5	8/14/99	23:21	n. Cobh	8270C	5569
itrosanzene	XD	day1	10.	13.		3/14/99	23:21	il. Coop	3270C	3569
-Kitroaheaui	30	20.7	10.	10:	1	3/14/99	23:21	deci n	8270C	3565
-Hitrophenol	3D	14/1	25.	25.	2	8/14/99	23: 21	i. John	3270C	5565
-Mitroso-Di-g-Propulantne	43	03/1	20.	13.	2	8/14/79	23.21	7. Cobb	S270C	228
-Witrosodichengiam: se	HD	9/1	13.	12	Ť	3/14/99	23:21	S. Cobb	3270C	356
entachloropaenoi	HO	J4/1	25.	25.	3	3/14/99	23:21	A. 5600	0270C	556
henanchrone	HO	04/1	10.	io.		3/14/99	23:21	M. Cant	3270C	556
henci	30	3/1	10.	10.	00	3/14/99	23: 21	I. Coab	3270C	556
ulade	40	49/1	19.	10.	7	2/14/99	23:21	d. Coab	32700	556
is(I-ethalkoxyl);hthalate	ND OK	13/1	13.	19.	-	3/14/99	23:21	M DOAD	8270C	556
2,9-Trichlorobenzese	80	19/1	10.	10	-	8/14/99	73:21	n. Cobb	3278C	5565
.4.2-Trichluropassol	40	42/1	25.	25	7	0/14/99	23:21	N. Cobb	9270C	556
.4.6-Trichloroahenol	80	9/1	10.	13.	1	8/14/99	23:21	n. Cook	3270C	556
'-' 0-11. TOUTOLOGUEROT	50	-3/1	10.	10.	4	2/ 1-1/77	13,41	n. sucy	32100	330
WULATTLE OREANICSH										
cetope	25	2/1	10	10	0.	3/13/79	13:52	S. Mare	3260U	465
crolpin	80	0.6/1	10	·u	Ť.	8/13/99	18:52	H. Hard	32600	365
erylegitrile	43	17471	20	10	1	3/13/99	18:52	T. Harn	32408	465
enzene	40	19/1	Ž.	2	1	3/13/99	18:52	ii. Hard	22508	465
оновеплеве	HO-	14/1	2	1	2	0/13/79	18:52	N. Hard	326CB	465
compositivementates	45	13/1	2	'È	2	3/13/99	19:52	S. Para	3260E	465
эсно-сти	HD	-4/1	2	11/2		5/13/99	19:52	T Hars	32600	465
roasiett ise	*->>	19/1	2	ž	4	/13/59	18.52	4. 4376	2260B	465
Pohasone	25	2/1	10	14	1	\$/13/39		1- 3/27 d	22608	465
00f31bs0zeve	20	on/1	7	- 11		0/13/99		Hors	3286B	465
the Function		other	2	1		e/13/37	13: 72	4374	3230B	485
to disease se	39	P\$21	4	L		3/13/99	18:52	11 44254	3260B	465
rocs ametride	777	5/1	-	-		3/13/55	18:52	A Mare	3260B	465
Tress Carranguarius	773	0.00	- -	-		3/13/79	17.52	" Rard	72603	465
1410 9982864	39	1/1	7	7		1/13/79	13:52	tara	32600	165
icidet lave	58	W.1	2.			0/23/59	10:32	t Hard	3260B	785
Sidornochi Labezia simir	7	/1			4	6/13/79		1 Hard	32400	4637



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

2.L	Result	90165	Report 'int	FIHTE HASP	DII Factor	Date	Tine	Saalyst	Hethod	Batch
Barwarn	HQ	-18/1	21	2	1	8/13/99	13:52	a. uard	82600	4658
11oromercane	20	-0/1	2	2	1	3/13/99	19:52	R. Hard	32600	4658
-Chlorofolusen	細	19/1	2	2	1	3/13/99	13:52	2. Nard	32508	4658
'-Calorece Lucas	46	42		2	1	3/13/99	15:52	a Bard	82698	4658
1.01 proso-2-chlores russie	10	1 Ge 1.	20	10	1	8/13/99	18:52	E. Hard	9260B	4658
ibrtmaceleromethage	30	1071		2	3	8/13/99	15: 52	R. Hard	87608	4658
1 2-0:broncetisae	ur	/1	111		1	8/13/99	13:57	3. Hard	3260B	4658
LBFCHCHPTATAR	100	23/2	1	2 2	2	5/13/79	13:52	K. Nard	32600	4658
i-Drahlorg-2-Nybene	92	221	-9	Z	7.	3/13/99	18:52	S. Hard	3260B	4658
,2-Dicalorobeazene	30	14/2	**	2	1	8/13/99	18:52	N. Hard	82608	4658
S-Dichlorosenzene	140	05/1	ž.	2	1	8/13/99	12:52	8. Nard	826BB	4658
1.4-Diculorchebzebe	XD CK	44/7	2	2	1	8/13/99	19:52	R. Hard	82500	4558
Mighlorodi Flooremethame	3/5	49/1	2	2	2	8/13/99	18:52	S. Hard	82608	4658
.i-Dichieresipane	ND DX	119/1	7	2	1	3/13/99	10:52	2. Ward	8260D	4658
. 2-Dieszerowerane	38	19/1	7.	2	1	3/13/99	19:52	R Ward	9260B	9858
i - Droniorovinane	SiD	J4/1	6.	2	3	3/13/99	10:52	S. Hard	92600	4658
.ts-1 2-Diamiorestheas	352	33/1	5		1	8/13/99	18:52	S. Kara	3260B	1658
rans 1, -Vicnio-watsana	MB:	1961	2	2	1	8/13/99	18:52	R. Hard	62608	4658
t 2-K debereursgene	<b>MB</b>	.5/2	3	2	1	8/13/79	18:52	Mara.	3260B	4658
9 one geneer alreit-6	No.		2	2	1	3/13/97	18:52	E. Ward	3260K	4658
.Z-Dichicrouropade	3D	car1	3	2	1	9/13/99	19:52	2. Hard	82508	4658
1-1 oclaroszaceme	40:	19/1	3	2	T	8/13/99	18:52	S. Hard	52600	4658
Septembersons in 11-22	30	19/1	10	2	1	3/13/97	13:52	8. Hard	32600	4658
гравед этизийскорповеке	ND	22.2	2	7	ī	3/13/99	13:52	2. Nara	8260R	4858
-rhullenzena	30	20/1	2	2	1	8/13/99	13.52	R. Hare	82600	4658
exachisvonutadiene	40	28/1	2	2	1	8/13/97	18:52	S. Hard	32608	4658
: Hexalieve	40	33/3	10	10	1	3/13/99	18:52	S. Ward	8260B	4658
	un	3321	7	Z	2.	3/13/97	28:52	2. Hard	82600	4858
::oprobulbenzeme	20	09/1	7	2	4	3/13/59	10:52	E. Hard	326CB	4658
-Troprodult-luewe	30	- 22/1	2	2	1	9/13/99	16:52	5. Ward	32500	4658
Pathui serkografata	77	4/1	6.	5	1	3/13/97	13:52	a. Gard	8260B	6149
netaul-1. : cocunose	A.C.	1.0/1	.0	10	1	2/13/99	19:52	R. Hard	8260B	4658
btholees columnie	30	19/a	3.	2	1	3/13/29	13:52	5. Nord	32600	1658
- which was	1.5	17/1	-4:	2	2	8/13/99	13:52	H. Ward	8260B	4658
70 10 5 10 10 10 10 10 10 10 10 10 10 10 10 10	1.0	113.4	1	N	\$	9/13/97	18:72	Hard	32606	4658
1,000 13	80	wet.	2	4		2/13/09	10:22	a. Nard	3250B	1558
1.5 Tel maradiprocessas		22/1		4	1	3/13/92	*8:52	A Nord	?250B	4558
Lal a periliprosensa-	185	-12		20	1	2/13/97	Kg- 22	E. Warn	82500	3658
remain, provinces	2/1	1.3		2	8	8/13/59	18: 52	a Mara	326DE	0653
2,00	2.4	2/2		7	3.	3/13/79	10:52	i. 4274	92600	1558
- I '	7.07	0/2	3	1	.1	3/13/79	32 52	Mara	3260D	4658
The Same Person	6.0	w 2	0	2	3.	3/13/97	13.52	2 Mary	32600	3658
: (prestava)	20	443	4	2	1	3/13/29	15:52	" Herd	82600	4858
1 Teat 1947 192	- 1.	13	1		3	0/13/79	23,59	7. Uzpa	8240B	3658
2 2751 7 34	10%	472	200	3	1.0	9/13/99	10.00	Maro	22600	-458
- Carrier	1/140	0.00	N.	3	1	2/13/91	13:52	" Hard	32500	559



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

#### ANALYTICAL REPORT

Sample ID: 755-WP-3-8-99

2300 A

. algia	Prenit	Dairs	127031	Suas Linet	011 Froter	Date	ta.e	TRRIDST.	Method	Dateb
			-		*****					
.i Crimerousbencone	4.5	2267		i	3	1/13/29	19:52	1. Ward	12600	4658
i-trimernospanzana	HD	99/1		2	1	0/13/99	33:57	H. Hard	37603	9858
ingl scatte	10	14/1	13	7.15	1	8/13/97	13:52	H Hard	32508	4656
and otherine	20	1001		10	2	6/23/99	12:52	S. Serg	326CR	4658
leses	45	175/1		*	1	5/13/99	33:52	7. Hard	32608	9658
noneciphian anothera	10	$a_{7}$ $\Delta$		-	1	0/13/39	23.52	a. Werd	32688	4658
· enigraficurametrale	199	:/1		Can	1	3/13/77	1F 57	" War a	22688	4558
stage-re-large scher	43	77.1		1	1	3/13/99	13: 52	1.0318	1763T	9658

By = Not detected at the coport limit.

#### Jample Extraction Data

	44/1/01				
wanter	Extracted	Estract for	450	malyst	Hethod
	-1000			***************************************	
39°c	75911	1.9 51	123 44	2000	3518

of recate	nsenderd	Target Sange
	a Committee (or placed to see the co	
TAR SUPPLY LAND TORS . 45	34T.	50 139.
Ca Sorr, Taluese (6)	12.	/B 123.
धेने देवरर े-bfg	£4	. 3 122.
THE PORT OFFI	g <sup>ig</sup> .	24 133.
urr-hitrocenswee-du	(4)	15 105.
orr-1-fluorosismensi	·5.	17 110
PUPT-Terosecci ald	æ.	13 128
me-abeaut it	17	10 100.
urr-i lucroatemas	5.	1 - 100.
- wr-t - K-imikromoskemai	3	15 134

--pe: -- egraved fu

Record Date 1/17/99

Theodore - Jeill Park LLB Director
Michael H. 1966. T.E. Rechardal Virector
Johnny A. Mitchaell Sir Technical Services
Eric Smith, Assistant Technical Director
Tail Brage Technical Services

Laboratory Profficewich Asaber 557

- 2. Owell



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

#### ANALYTICAL REPORT

SACE-MANNINAH DIETRIET SPRE SINK MARVISON ON DEET NGLETHORPE AVE SAVARNAH, DA BIADE

Project Mamp LAUREL SAY Sampler JUDSON SMITH

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

Site (D)

Date Collected: 8/11/99
Time Collected: 11.00
Date Received: 8/12/79
Fime Received: 9:00

ald's	Saguit	Holti	Esport	Ruan Linit	Dil actor	Date	Tine	analgst	dethod	Date
			*******							
EXTRACTABLE UNGARIOSE										
benaghthene	เอ	30/1	10.	20.	1	8/14/99	23:53	n. Cobb	8270C	5569
gensahthslare	110	44/1	10.	10.	1	8/14/99	23:58	M Cobb	827CC	5569
interaceae	(P)	119/1	10.	10.	1	3/14/39	23:58	ff. Cobb	5270C	5569
eazata/anthracene	∺D	Ug/1	10.	10.	1	3/14/99	23:58	n Cubb	827EC	5569
enzo(n)pgrese	40	20/1	10.	10.	3	3/10/99	23:58	M. Cobb	827CC	5565
enzo: #Afluoranthena	<b>30</b>	00/1	iO.	10.	1	3/14/99	23:58	n. Cobb	9270C	5369
enzola a liperglace	43	94/1	18.	10.	1	6/14/99	23:58	d. Cobb	\$279C	5569
lenzous/Fluerasteese	-52	3601	10.	10.	1	3/14/39	23:58	t Cabb	3270C	5569
-Brownphenyl-snemplether	10	1.9/1	13.	20.	1	3/14/79	23.58	M. Cabb	9270C	5569
druihenzuisatbalate	45	W1	10.	10.	1	9/19/99	23:58	M. Cash	3270C	5569
170216671	-30	15/1	18.	10.	*	3/14/39	29:58	7. Cueb	3270C	5565
-Chlorymethqipheaoi	10	U4/1	10.	7.9.	1	8/14/99	23:58	M. Cubb	9278C	5569
-Colorosyeline	3D	+19/1	10.	19.	1	3/14/79	23:58	M. Cobb	3270€	5569
E(1-calomosthoxy)methane	20	wa/I	19.	10.	1	8/14/99	23:58	A. Cobb	3270C	5569
.sc2 calorouthyDather	:0	Je/1	20.	10.	1	0/14/99	23:56	n. Cobb	8270C	5565
is(2-chlorousopropyl)erber	49	19/1	10.	10.	1	3/14/97	23:58	n_ Co5b	9270C	5569
-Chicaphaphanese	iD.	99/1	10.	20.	1	3/14/39	23:58	n. Cobb	3278C	5569
-Chleropherol	HD	114/1	10.	19.	1	3/14/99	23:58	M. Cobb	3270C	5569
-Chloropenul-spenuletser	717	09/1	10.	10	1	3/14/99	23:58	a. Cabb	12700	5565
<b>479598</b> 4	30	00/1	10.	10.	1	3/14/99	23:58	d. Cobb	2270C	5569
ibenzofurón	40	09/1	10.	10.	1	2/14/39	23:58	H. Cabb	02700	5569
ibanzya. 5) anthracene	-(0)	1/69	10.	10.	Ī	3/14/99	23:58	H. Cobb	22700	5569
2-Brewlerchenzene	>D	19/1	10.	10.	1	3/14/99	23:58	n. Cabb	3270C	5569
3-franzonnbenzene	40	19/1	3.0.	10.	1	3/14/79	23:58	A. Cobb	32700	5569
4-Distinguisme	70	30/1	10.	10.	1	8/14/99	23:58	M. Cabb	3270C	5545
4" 'inalorobeazidaae	10	U2/1	20.	23.	1	11/19/99	23:58	W. Cobb	.2700	5565
F-015-15-rossessi	90	00/1	30.	10.	1	2/14/99	23:53	4 Cobn	22700	5569
ternilarialite	10	10/1	1.0.	1.3	1	0/14/77	23.53	C. E09b	1279C	3569
Secondt dipmenol	15	-a/3	10.	10.	2	5/19/99	/3:55	d. tota	C790	5565
Merry perturate	v.n.	20/1	10.	10.	1	3/14/99	23,58	5, C 30	770C	5569
error depositskace	16	972	10.	23	3	3/19/97	23:50	n. feet	12780	5565
1-6:40/20-2-metralpherol	5	.7/1	25.	25.	4.	1720/99	23:58	# Sook	2700	5565
1-0.u.crushedot	/3	19/1	25.	125.	4	8/14/99	23:53	7. 5056	1279C	5569
unitrataluene	20	94/1	10.	20.	1	2/14/93	23:58	M. C.N.	327DC	5565
AND THE STORESPE	99	22.1	10.	10.	1	8/14/99	33.53	11. 0056	17700	5539
compathalate	ang.	1/1	iQ.	.0.	3	2/14/59	23:38	M. Tobb	32700	3569
1351124-89	-91	1/1	10.	10	V.	114/99	23:58	# Bobb	12/00	5569



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

#### ANALYTICAL REPORT

Laboratory Number: 79-A121836 Sample ID: 766-GP-4-8-99

Page E

431952	Sesult	Halts	Report	FIRE	0il Factor	Date	Tine	Analyst	Metho4	Bato
"botena	20	##/I	15.	10.	ı	3/14/79	33:58	d. Cobb	327QC	5569
exacultrorenzens	Cin	19/1	20.	10.	1	3/14/19	23:58	it. Cobo	3270C	5569
exachlorosstadiene	80	0271	10.	10.	1	3/14/99	23:58	M. Cobb	3278C	5569
.xiculorocyclodentalieae	363	102/1	10.	40.	1	3/14/99	28:58	n Sabb	\$270C	5569
macaluroethane	329	19/1	12	10.	1	8/14/99	23:58	a. Cobb	8270C	5569
alegant 1.1.2 c Dourene	40	34/1	19	20	1	1/14/99	13:58	a. Cobb	8278C	5569
aphorose	40	11971	10.	13	1	5/39/99	23:53	M. Casb	3270C	5569
-hashinaparhalene	40	111	7.2.	20.		2/14/99	23:58	n. Cath	8270C	5569
-Matadiphessi	HO	10/1	2.	18.	L	3/14/99	23:58	m. Coab	8270C	5569
and 4-Methylphenol	120	94/1	10.	10.	1	3/14/99	23:58	S. Cabb	8270C	5569
anhthaiene	20	ug/1	10.	10.	i	9/14/79	23:58	n. Conb	8270C	5569
Hitrovalline	HD	119/1	25.	25.	1	3/14/99	23:58	M. Cabb	8270C	5569
-Hitroaniline	OR	49/1	25.	25.	1	8/14/99	23:58	A. Cobb	9270C	5569
-Hitrosailine	HD	19/1	25.	25.	1	8/14/99	23:58	A. Cobb	\$270C	5569
itrogenzene	HD	e3/1	13.	10.	1	3/14/99	23:58	4. Cobb	8270C	5569
Hitrophesol	XD.	09/1	15.	10.	1	3/14/99	23:58	M. Cobb	3270C	5569
MH: 07050e001	dk	19/1	.5.	64.	1	5/14/99	73:53	1. 1000	3270C	3589
-Hitrosu-Di-a-Fromplanine	*D	19/1	13.	10.	1	3/14/99	73:58	7. Cobb	3270C	5569
-Altreselleheadanine	HD	03/1	19.	16.	1	3/14/22	23.58	H. Cobb	3270C	5569
entachicrognemoi	213	94/1	25.	25.	1	3/14/99	23:58	d. Cabb	8270C	5569
Segantareas	36	19/1	19.	20.	1	3/14/39	23 58	d. 500b	3270C	3569
hanei	10	12/1	18.	10.	1	3/14/99	23:58	M. Cobb	5270C	5569
urene	ND.	10/1	10.	10.	1	3/13/39	23:58	1. Cobb	3270C	5569
is 2-echiliaxul)phthalate	10	09/1	20.	3.0.	I	2/14/99	23:58	M. Cobb	6270C	5569
1 d-Intentarobenzese	i/D	29/1	10.	10.	1	3/14/97	23:58	M. Cobb	8270C	5559
4.5-Tricularopnesol	30	14:1	25.	25.	1	3/14/99	23:58	H. Coss	32700	5569
,4,6-Triculoropäenol	HO	09/1	1.0,	10.	1	9/14/77	23: 28	il. Sobb	327GC	5569
ORLETTLE HYGANICSK										
getona	MO	119	10	12	1	3/13/99	29:28	R. Mard	378DR	4628
Polesia	<b>3.0</b>	13/1	20	10	1	3/13/99	19:23	# Ward	326UA	4658
-rule of trile	230	19/1	22	10	1	3/13/99	19: 23	R. Hard	37800	4658
P\$2646	10	11/2	2	2	1	3/13/99	17 23	N. Ward	32606	4658
1.3400463683	HB.	11/2	7	2	1	3/13/77	19:28	S. Rard	82608	4658
TEMPERIO-GREENSHE	4D	-W/1	2	2	1	3/13/99	17: 23	D. Hard	32500	1658
TOME-978	149	es. 1	*	2	1	0/13/27	37.34	8 Wars	32600	4638
Minorhal Scale	70	- ac L	ž.	2	3.	2/15/99	12.33	R. Hard	82609	4658
With the land of t	275	9/1	-2	15	1.	2.13.79	29:28	E Ward	32408	4658
ant Chastens	.40	4/1	1	2	1	3/13/97	14: 53	2 Hars	3260R	4558
er or place as built	40	2/1	4	7	2	5/13/77	17 78	C. Hare	32800	1658
* 18 house 52 Hz	69	09/1	21	A	1	720/99	19:25	P. War 6	92608	3658
the top for	202	-3/1	ž.		1	W15 79	.3.38	it. Ward	32608	1658
(113 = 1715 at 071 ge	20	-5/1	4	2	7	3/11/97	17:23	a Herd	8260R	4858
at a state of	33	141	3	Y	1	1/25/37	19.28	Hora	82603	4658
4c 954 . me	3	3/1		2	1	23/99	19178	7. Vara	32608	7658
to the countries and acceptance	100	100 1		1		9/26/39	17:28	2 Hard	82808	1650

# SPECIA 2960 Foster P.O. Box 40 Nashville.

#### 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

nelgee	Result	Units	Report Large	muan Linit	Pil Factor	Date	Tine	Saalyst	Nethod	Date
histororn	20	09/1		3	1	6/13/99	19:28	7. Ware	62606	4658
Calcionathasa	3.3	1971	2	2	1	8/13/79	17:28	R. Ward	6260B	4658
filaratourishe	22	1/2/2	2	2	1	8/13/99	17:28	7 hard	3260R	4658
-Chloratolyene	:0	04/3	da .	2	1	3/13/77	17:23	₹ Kar d	3260B	4658
2-Debrana-f-aniareacesase	40	9/1	09	12	1	3/10/99	17:26	S. Ward	9260B	4658
bremechioromethase	-0-	1/4/2		-	2	6/12/77	19:38	n gard	32686	4658
I Olarchostham	40	18/1	8	=	1	8/13/99	19:23	C. Hera	3780R	4658
ibromomentiane	40	-19/1	-4	7	1	5/13/99	19:73	d. Nord	3260B	4658
1-Dichlord I-butens	35	var1.	-).	.X	1	8/13/99	17:28	S. Hard	3263B	4658
.2-Dichlovobenzese	(D	89/1	2	2	1	8/13/99	19:28	R. Ward	82 <b>608</b>	4658
.3-Dicalorcoerzage	300	119/1.	28	2	7.	8/13/99	19.28	F Ward	82608	4658
.4-Dichloropenzene	40	119/1	2	2	1	8/13/99	19:28	S. Kard	32608	4658
ichiorodifloarchethage	H0	09/1	2	2	1	8/13/99	17:28	7. Ward	9260B	4656
2-Dicalorcethage	89	04/1	2	3	1	8/13/99	19:20	S. Bard	3260B	4658
2-Dichloroschane	HP	90/1		**	1.	8/23/99	17: 28	rask Z	32600	4658
,1-Dicalorcethane	119	1971	2	2	1	3/13/99	19:28	. Marg	3280B	4658
is-1,2-Dieniorcettene	40	09/1		7	1	3/13/93	17:25	Hat 0	3260R	4658
rans-1.7-Sichloruethene	10	2021	160	X	1	8/13/99	19:26	i hars	2608	4658
1-bichtorspripage	70	149/1	2	5	1	9/13/99	17:23	S. Bard	32606	465
3-Vicklorestance	40	ngrī.	-	9	Ĺ	8/13/99	19:22	1. Waru	62608	465
2-bichleroaresase	קא	99/1	2	2	3	2/13/99	17:28	3. Hard	3260R	4656
i-Diordoroscosese	AD .	00/1	1	7	1	8/13/99	19:28	H. Hard	3260T	4556
	412		2	2	1	9/13/97	19:28	. Hard	326CB	4658
The state of the s	20	09/1				3/13/79	19:23	7. Hard	3260B	4658
7305-1 E-Dickieropropene		·4/1	2	3	7	3/13/99	19:23	9. Hard	32600	4654
thulbenzene	AD OR	49/1	2	2	1		(21,122)		82608	4658
exaculorobutadione	(0)	44/1			1	8/13/99	17:28	d Bare		
Hexandae	#D	04/1	10	23	1	8/13/99	17:28	A. Hard	8260B	4658
oppused and	30	10/1	7	10	*	3/13/99	17:25	agr d	92688	465
ecaropaldenzene	35	119/1	2	3	1	3/13/99	19: 28	1 4354	3280B	4658
-leoprosultolease	*2	19/1	ě	7	1	3/13/79	17:23	baek in	5260D	4658
ethul Hetaroryiste	AD.	78/1	5	2	1	8/13/99	19:20	K Mars	3260B	6149
i-tethql-2-percupone	AD	4.11.7	£	10	1	8/13/59	17:28	4 Hara	7260B	4658
athylanz chiorida	80	99/1	3	3	1.	3/12/39	17:28	i. Hard	52608	4658
Santhalewe	277	30/1	2	2	1	3/13/99		3. Herd	32600	4638
Freegibening	HD	04.1		2	1	8/13/99		Lara	9260B	465
Typene	49	14/1	ş		-	9/13/99		, Kasa	9260B	4651
1 1 Tally and important	44	3611		200	1	8/13/99	17: 28	P Hard	72.60B	4658
1,2.1 feet seatherthane	*10	45/1		1	1		75 55	4 11371	₹2680	4654
athanajarnerasse	100	2072		3	7	3/13/93	17-23	3 Card	2600	4658
·125h2	T.P	99/1		-	2	3/13/99		i. 4574	2260R	465
1,0-5://cristanamene	12	49/1		2	7	8/13/99	17:25	A Mers	12408	465
Trick but sendence	7.0	3/1	9	+		2.47.37.2.3	73.75	: Eard	SCOR	465
: 1 to baicmostsam	MD	40/1	3"	3	-	6/12/97	17:22	" Care	8260D	465
I I	10	-3/i	2	3	-	3/13/99	19:29	Kard	3260B	4658
Chidrentian-	100	53/1	3	2		W13/79	17:75	4264	32608	-658
Confidential Company	30	5/1		1		1/13/59	:7:12	* 8550	3260B	455

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

#### ANALYTICAL REPORT

Land-atory Number, 99-4121836 Sample 1D: 766-69-4-8-99

Page 4

				Tepart	7:133	711					
45,156	4	365212	Sairs	Linit	Linit	factor	rate	Time	Apalust	nethod	Ratch
		-	-		-			-			
1,4-Trinethalbeazene		45	19/1	H	2	1	3/13/78	19-28	a. Hard	32606	4658
J.J-Trinethgibenzewe		H.C	4461	10.	2	· ·	1/17/79	17:20	R. Wara	82608	1658
engl tameste		40	19/1	19	10	1	9719799	17:27	a. Ware	97,508	4658
rul caloride		4D	671	2	2		3/13/99	17:23	8. Hard	326CH	4558
rieses		77	401	19	£ .		3/13/23	19:25	3. Hard	3260%	4658
emodicaloremethas:		P.	1021	Ar-			3/13/79	29:28	G. Ward	326011	1658
-calosoficomomethase		200	(4)	-	12	1	7/13/99	19:20	S. Uard	3250F	4658
thus-courd ether		+0	-9/1	15	2		5/13/99	17:23	R. Ward	32603	1558

" = Not Jetested at the report limit.

#### immale Extraction Data

traneter	ACCOL.	ing coercal	ate	inalust	sathod
W-1		(			
,:@'¢	1880 51	_te 0	1-17/29	4 Cobb	1720

are gate	1 Recovera	Cardet drage
CONTRACTOR OF THE PARTY.	and the second particles of the	
72 Zurr. 1.3-DCA, 64	107.	49, 338
MA furr, Foligae d2	57	70 - 121.
TH 3-977 4-6FB	73.	73. 122.
TA SUPE DETE	14.	14. 133.
-urr-witrobeazene-45	58	15 105.
arr-1-florobiphengi	43	17 - 33
	47	.9 115.
HER- Manut 45	22.	13 130.
127-1-7 luorogaenal	3.	E) + 928.
arr-2.4 5-7m.bromopmenol	·*2.	15 194.

Caser Moorayea Su

T.M. will

Report Date. S/17/96

Theorem Substantion of State or Alchaes is Sunn. It S. . Wenness Sirector common State Abstract Sire Technical Services Cold Switch Abstract Technical State Services Technical Services Technical Services

Lagorature Cartaffications Womine "ET



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

#### ANALYTICAL REPORT

"SACS-SAVAGRAH CISTYICT 6999 "ARK ARY (SON () MES" "GOLETHORPS -VE SAVANGRA (A 21402

TO BET TAMES LAUREL DAY Pampion SUBSON EMITS Lab Number PS-41%1634 Sample ID: 756-GF-5-2-PS Cample Pipe Ground Lager Size VD

Date Collected. 8/11/09 Time Collected: 9 30 Date Received: 8/13/99 Time Received: 9 00

PATE KITTURE CESSAICS: Genephthone	0	741 C 5	Linit	uit	AC25	2553	Title	327424	Tethod	Batch
densphithons							-			
raenaphthone										
Control of the state of the sta		45/1	10.	10.	7	25.747.14	72: 45	H. 5008	9270C	5569
	HD.	1971	.9.	10.	4	3/14/97	22: #5	n. Cabb	7270C	2293
incht sussa	40	Ja/I	10.	10.	7	3/14/99	22:45	d. Cobb	9276C	5569
ienzo(s/anthrocese	70	20/1	10.	10.	3.	9/14/99	22:45	ii. Cubb	3270C	3569
lenzo(4) ourene	323	09/1	16.	1.0.		9/14/99	12: 35	H. Cobb	5270C	5569
ionzo (3.181.000 inchese	17.	112/1	10.	10.	*	2/14/99	72-45	M. Cabb	2700	5569
Augoig a , il serviene	17.70	12/1	10.	10.	1	8/14/79	12:45	a. Cobb	12705	5569
Prozock/Micoranthere	3	461	10.	10.	1	0/14/99	12:45	Late	2700	5569
- nonoblessi-reenstelses	9	3/1	10.	10.		3/14/99	12:45	4 Cala	8270C	5569
Cutrii not diphthalate	2	10/1	10	10.	5	3/14/37	22:45	n caka	32780	5569
larbarate	O.	Jack	18.	13.	6	1/14/99	12:45	A. Cabb	2790	5569
- Mulara-i-methulphenni	13	0/1	15.	10.	7	3/14/97	12.45	II. Copb	3270C	5569
-Chlorocalling	40	-3/1	10.	10.	A F	3/14/93	22: 45	A. Cobb	6270C	5569
is(2-chiorcetmoxy)mendum	42	20/1	18.	10.		1/14/90	22:45	M. Cobb	2278C	5569
1507 - Directamilyother	47	- 1/1	20	19.		F/14/99	22: 45	ii. dasb	*270C	5569
15(2-2 lorgi-poropalisther	79	56/1	12.	10.	1	6/14/39	22.45	4. Cobb	8270E	5569
-Calaraniagthelene	37 37	out!	10.	10.	Ž	9/14/99	22:45	n. Cose	\$270C	5569
-Calarigaupel	16	14/1	10.	10.	ê	3/14/99	22:45	d. Jobb	9270C	5569
-filocossonu-saenulethur	170	orl	10.	10.	i.	3/14/77	2:45	n. 5000	2700	5569
Brasens	7(0)	00/1	10.	10.	I.	2/19/99	12:45	M. Coba	2270C	5569
therrorus ar	XD-	og/I	10.	16.	1	6/14/39	72:45	3 5000	5270C	5569
Control of the contro	SD SD	09/1	19.	10.	1	3/14/92	32: 45	ii Cabb	378C	5569
. 2-01cklorobeazeae	it.	1461	10.	10.	9	8/14/97	72:45	ii. Cobb	32700	7569
	40	ugr1	19.	10.		8/14/97	22:45	S. John	2700	5569
,3-hichlorovanzade -4-dirilorosanzade	150	99/1	10.	10.	T	2/14/99	72:45	1 5000	12705	5569
31 - 103 Crosonzi dine	AD.	13/2	19.	20.	-	3/14/99	32:45	n. fabb	2760	5569
d-decit cybenni	n0		19.	10.	-	8714/93	17:05	A Cobb	2700	5559
Antharna marana	100	99/3	16.	10.		9/14/90	22:45	Cu25	2700	5569
Terminateraps	1	324	10.	10		3/14/37	12.45	H Cobb	1270C	5569
The state of the s	7			10			2. 15		1278C	5569
Typetronett (1112	2	11 3V 1	20	***		14/99				
port districts	air.	27	53.	10.		2114/04	22.05	1 7:04	2780	5557
india.com Pwethglacenic	72	Buch	20.	25.	3	714/92	22.05	7. Tubb	1270C	5567
160-a(x, spaena)	2)	14/k	75.	25.		124.174	72'45	7 Cabb	3705	
Property and	53	Est'1	10.	19.		7/14/10	12 45	n. Sabb	12730	3569
in the contract of		- 1	10.	10.	-3	2 34/27	12.00	7. Cost	20700	5569
ener in a thinte	9	dr.4:	10.	15.		9/14/97	22:45	a lubt	12785 12780	5589



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

#### ANALYTICAL REPORT

Laboratory Number: 99-A121834 Sample 1D: 756-GP-9-9-99

Page Z

malyto	Result	"nits	Recort wit	Limit	Dil Factor	Pate	Time	Analyst	Nethod	Matei
luggano	KB	44/1	17.	13.	1	3/14/97	22: 35	M. Cabb	82700	5565
lexacalorenement	#D	29/1	18.	23.	1	3/14/97	22: 45	a Cobb	8270C	5589
Pakicaloroporidiene	80	15/1	2.9	18.	1	8/14/99	22:45	A. Coab	3270C	5559
everiaroutationariates	MD	. a. 1	13.	19.	1	3/14/97	22:45	a. Cubb	3270C	5569
GYacaloropthics	<b>HD</b>		32,	10.	2	5/14/39	22:45	7. Coba	2276C	5589
adeantl owladrene	199	200A	22.	10.	1	8/14/39	12:45	# Cabb	8270C	5569
continuone	100	1/1	45.	59.	3.	0/14/99	22:45	ft. Cobb	3270C	5569
-fiertelangathelone	137	382	10.	19.	ī	3/14/73	22.45	M C690	3270C	5569
-fiethuiphenoi	ND	- 5/4	J.	19.	1	3/14/99	22:45	* Cabb	3270C	5569
ane 4-methylphenol	HD	139/2	10.	18.	4	3/14/97	22:45	M. Cobb	3270C	3569
iapht culene	HD.	39/1	10.	10.	1	3/14/77	22: 45	d. Cobb	3270C	3569
1-Hitroperline	ND ON	1.g/1	15.	25.	1	3/14/99	22: 45	a. Cobb	8270C	5569
-Kitcoanilike	HB	99/1	25.	35.	1	5/14/97	22:45	ff. Cobb	3270C	5569
-Mitrospiline	SD.	au. i	15	25,	2	8/14/99	22:45	A. Cobs	8270C	5569
Utrobenzene	HD	- 31.1	5.3.	13.	1	3/14/99	72: 95	H. Cobb	3270C	5569
-Hitrogresol	GF.	5/4/1	10.	10.	1	3/14/79	77:45	n Cabb	3270C	5569
-Ritrogaenus	+D	1411	7.5	25.	3.	11/14/57	22:43	a. Cobb	8270C	5569
-Hitroso-di-a-Propgianiae	HD	1011	15.	10.	1	8/14/99	22:45	il. Cobb	\$270C	5569
-Hitrocontenentianian	₩D	.3/1	20.	40.	1	3/15/99	22.45	il. cosb	3270C	3569
inntagatoropsesol	10	2/1	.5.	25.	1	8/14/99	22:45	H 2556	\$270C	5569
Chemancorene	HO	: 4/1	13.	10.	1	3/14/97	22:45	n. Coob	8276C	5569
hanol.	40	- 4× 1	AG.	20.	1	0/14/97	22:45	M. Cobb	8270C	5569
, Ludbe	<b>10</b> %	271	101	10.	1	3/14/99	12:45	n Cobb	8279C	5569
wsel-staulussilphenalice	.5.	90g-4	10.	10.	1	3/14/93	22:45	n. 6336	3270C	5569
C.a-Tricklundebzene	(C)	- 973	13.	18.	1	3/14/99	22:45	A. Cobb	8270C	5569
.A.S-Tricklarousenai	WB Com	W1	15.	125.	1	8/14/99	22:45	d. Cobb	8270C	5569
.4,6-frichlorophenol	KO	1961	23.	10.	1	6/14/79	22:45	it. Cobb	32700	5569
- ULATTLE GREATICS*										
cetone	яĎ	90/1	20	10	1	0/13/79	12.16	N. Mard	3250R	4658
toroit in	HD	39/1	10	13	1	3/13/77	18:15	6 Nare	3230B	4658
eryleact-(le	89	ug/I	10	19	1	8/13/99	18:16	R. Hard	8260B	4658
Añzane	HO	1981	2	2	1	8/15/57	12:15	E. Ward	32600	4558
20HO90WIERE	AB.	1.7/1	3	3	12	9/13/35	18:10	3. Hard	S260B	4658
remochi cresovedase	(ID	and 1	3	2	1	3/13/99	15:10	K Ward	82608	4658
TAMOTOR	1463	118/4		2	1	8/13/79	:3:15	U. Marc	37600	-1428
PORUMOCI. Pu	яĐ	30/1	1		1	5/13/37	10:10	P. Said	7250B	4658
10736 · · ·	113)	0/1	1.2	10	1	1/13/99	19.10	R. 3671	37300	4653
- Professional - 18 Com	50	1012	.*	8.5	1	0.13/99	18:15	" Narg	3260B	465E
amer J Statue	45.	. 2/1	4	A	1	3/12/97	78:4%	2ara	22600	4659
material extra	MD .	266	-	12 15 15		3/33/99	20:26	# War a	37800	4658
# WG0 // #41/1.3	S	100 \$			1	3/15/59	.3.16	41. Stay d	92608	7658
16. 19. 11. 11. 11. 11. 11. 11. 11. 11. 11	*153	366.2	8	1	1.	4/13/77	12-16	2.251	572608	4538
Just how a m	co.	5. 4			8	5. 15/93	13:13	" Sere	3260B	£658
. 20 € . u <sup>to</sup>	25	1 10 E	-	**	1	8/15/77	15.16	". # ET 5	SZSUN	5858
Ety is a market	40	-1 m 4.4		9		5/13/50	20:16	a Mand	TZSOR	5539



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

#### ANALYTICAL REPORT

Laboratory Number: =5-4121834

Sample 10: 766-GP-5-H-99

Walvie	Zoseit	Thirts	Geport Limit	Cuan	911 Factor	Sate	Tine	enaugst	Hethod	Rate
Slowborn	-9	04/1	3	3	1	8/13/99	18:15	2. Berd	82600	4658
Mornesthans	150	1750	2	2	1	3/13/99	:8:15	F. Sard	32600	4658
Chigratelephr	."3	3/1	2.	2	2	2/13/99	13:15	8. Sare	32500	4658
La Morotoltesa		25/1	91	**	2.	8/13/77	19:18	fi. Nave	3260B	4658
1-Diamino-i-stilorogramaa	VD.	10/1	22	45	1	3/13/79	18:16	3. Ward	9260B	4658
Promocalingenathane	1 5 mg	13/1	16	3.	1	0/13/99	18:16	E. Hard	82608	4656
T. Dromoerhage	42	-1/1	8	*	4	3/13/77	18:16	Z. gars	9250B	4538
.brownetRawe	195	44	1	2		W13/99	13:15	E Bard	026 <b>00</b>	4658
- 4-0 (chloro-2-bykene	402	Wi	2	g	T.	3/13/99	15:16	E. Hard	6260B	4558
: I-bichlorosenzene	183	04/1	7	1	1	2/13/99	18:18	8. Wara	62508	4658
.3-Dichlorobenzese	ND	19/1	2	2		5/13/99	18:15	S. Ward	9260B	4658
4-Dictlerchenzese	MO	00/1	7		1	0/13/99	18:15	E. Hari	326DB	4658
MenleradiFluoremethane	20	29/1	2	2 2	1	3/13/99	18:15	S. Sard	3260R	4638
1.1-Dichloresthame	(2D	38/1	7	2	1	8/13/99	18: 16	a. Hare	32600	4658
2-Dicklowetname	10	97/1	3	2	1	8/13/99	18: 1.6	S Hard	3260B	4658
1-Dipatercettane	HD	20/1	-0	2	1	3/13/99	18:16	3. Hard	3260B	4658
is il i Bienteruethese	HD.	20/1	i i	2	1	3/13/99	13:15	K. Mard	8260B	4658
	15	ne/i	2			9/13/99	18:16	R. Ward	82408	4658
	10		D.	20.00	1	9/13/99	18:16	a Hard	32608	4658
2-Bighloroprosane	30	- in 1	3	2	1	8/13/99	18:16	A. Mare	32608	4658
3-0.calurorrosans	÷5		7	3		3/13/99	18: 16	R. Hard	8260B	4658
Sagaryandrate 1.		4.1		7	1	6/13/99	18:16	R. Hard	92608	4658
. C-Stoklaronranene	-0	04/1	Č		3	2000000000	1000000		32608	4658
s-1_j-újuhlarnarogene	·D	V4/1	2	2	4,	8/13/99	18:16	C. Hard		1658
ras-1,3-0ichloroprocese	70	9.1	2	2	A.	2/13/99	18:16	S. Hard	32608	
** albenzene	H9	36/3	3	2	1	3/13/99	18:16	C. Nary	37600	4658
exachlorobutadiene	113	19/1	2	2	2.	8/13/99	18:16	#. Hard	82608	4658
exagone	80	unr1	19	20	F	8/13/79	18:16	d. Hard	82608	4658
odomethase	10	70/1	-	2	1	3/13/27	13 16	R. Mars	72600	4658
copropulbenzene	ND	13/7	T.	2	1.	8,13/99	18:15	3 Ward	32600	4658
-Isopropaltoluene	40	T'spe	2	2	1	3/13/99	18:16	I. Hara	92608	4658
ethyl mechacrylate	10	une1	-	14	\$	\$/13/99	18:26	H. Mar a	62608	6149
-methal-2-ventamose	,10	26/1	70	2.13	1	3/13/99	13:16	E Hard	3260R	4658
ethylene pateride	10	9.6/1	3	2	1	8/13/99	13:15	∴ Mara	32603	4658
monthalese	120	29/1	2	-	Ť.	2/1,3/99		P. Dane	27600	4658
Propulsediana	.0	3381		2	1,	3/13/99		1 Hard	92608	4658
inaus.	inte	171	I	à	1	9/13/99		Fueri	02608	4658
1.1 2 (acramicrostham	1.0	-0/1	2	3	X.	2/13/79		" Wars	33608	4658
4.1.1. Mitracalaronchar	3.0	3/1	7	2	2	5/13/95		: Ward	02600	4658
rivanalanderisse	10	9/1	4		2	3/13/99		' Ward	12600	4658
2000	1 14-	19/1	· in	do	7.	13/19		11974	3280E	₹858
I, ? foundamnesmzens	30	.463	2	2	1	0-13/79		r. Mara	3280B	4658
Traceiuresenzese	E)	4/1	7	3	19.	2/12/97	18:16	A Marc	3260B	4658
1,5-1. 17 P. Curt 27 0764	110	0/1	14.		2	7/13/27	18:14	7 557 4	6250P	4658
	Ø.	471	-19		*	123/99	10.15	ं प्रकार	32603	4658
La Red Property Cont.	TX.	2/1	**	17	2	9/19/97	16.15	T. Hard	72608	4658
- "Traction forms and	.27	0/1	2	2	8	7.7.1779	18:13	3 4ara	7380	4658

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

#### ANALYTICAL REPORT

Laboratory Number: 79-A121834

Sample ID: 766-0P-5-6-99

Fage 7

570.16	desure	init:	Seport Limit	Joan Linit	011 Factor	Sate	Elite	analast	Tethod	Sator
***************************************								************	******	
2.4 Trimethylbenzere	H2	4/1	2	2	1	7/13/37	18:16	W. Hard	52608	4658
3.5-7/inechalbenzene	rep.	23/1	2	2	1	1/13/99	13:16	8. Ward	2250R	4558
.aul scenate	48	:1/1	10	10	1	%/13/99	18:15	R. Hard	32608	4658
bast stierice	-D	3/1	2	2	1	8/13/99	18:16	R. Ward	37500	4658
.LE 0745	(4)	-9/1	7	2	1	8/13/99	18:16	B. Ward	22800	9658
оно 1:0610r6метраве	45	13/2	A	2	9	2/13/99	13:15	B. Hard	728UK	4658
Large Lowernstains	.77	81		2	1	3/13/79	13:16	# Hara	92600	4658
. het-t-rutul ether	×27	4/1	120	1	1	3/13/99	13:16	E. Hara	828BB	4858

if a dat entented at the report limit.

#### mois Extraction Data

raxeter	ut/Vei Extracted	Atra t 1.1	ate	Gealust	Hethod
1 <b>6</b> 75	78 <b>0.</b> 41	1.2 nž	V13/75	A. Cobb	1,10

Treate	* Recovery	Target Raage
19 Urs 2,2-004, 44	189	10. = 148.
dh Gurr   lucae sa	22	00. 123.
MA Supr 4-05V	à.	73. 122.
M 25-7 39/M	.0	(4, - 352)
arr-fraceubenzana-45	4.	25 195.
mr-:-luncobiphenol	7 <b>9</b> .	17 110
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ge-feet improvense.	4	9 - 198.
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# Appendix D Historical Groundwater Analytical Results



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

SAMPLE ID SAMPLE DATE SAMPLE DEPTH MATRIX WELL PURPOSE		8/11/99 3.28' WATER PLUME	8/11/99 4.32'	8/11/99 4.68' WATER COMPLIANCE	766-GP-5-8-99* 8/11/99 2.96' WATER COMPLIANCE	766 DUPI-8-99 8/11/99 2.96' WATER COMPLIANCE	766-BLK1-8-99!* 8/11/99 NA WATER QA
VOLATILE ORGANICS (8260) 2-BUTANONE ETHYLBENZENE XYLENES (TOTAL.) ACETONE N-PROPYLBENZENE TOLUENE 1,2,4-TRIMETHYLBENZENE NAPHTHALENE SEC-BUTYLBENZENE ISOPROPYLBENZENE	700 ug/l 10,000 ug/l 25 ug/l	126.0 ug/l 88.0 ug/l 18.0 ug/l 2960 ug/l 32.0 ug/l 10.5 ug/l 91.0 ug/l 61.0 ug/l 20.0 ug/l	4.6 ug/l 2.5 ug/l 2.2 ug/l 2.2 ug/l	BELOW RL	BELOW RL	BELOW RL	BELOW RL
SEMI-VOLATILE ORGANICS (8270) FLUORENE 2-METHYLNAPHTHALENE PHENANTHRENE NAPHTHALENE BIS(2-ETHYLHEXYL) PHTHALATE	25 ug/l	150 ug/l 710 ug/l 400 ug/l 1 <b>00</b> .0 ug/l	BELOW RL	BELOW RL	15.0 ug/l	10.0 ug/l	BELOW RL

\* DUPLICATE SAMPLE

ITALICIZED VALUES ARE SUSPECTED LABORATORY CONTAMINANTS

#### TABLE 1

#### MCAS BEAUFORT LAUREL BAY BUILDING 766 AUGUST 2000

Aug 00 0915	SVOCs U	VOCs	Sulfate	Total Organic Carbon
Aug 00 0915		W — W		
	U			
		U	8.20 mg/L Sulfate	8.93 mg/L TOC
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		
Aug 00 1030	Ü	U	7.60 mg/L Sulfate	9.82 mg/L TOC
Aug 00 1230	Ü	U	7.00 mg/L Sulfate	10.9 mg/L TOC
2 Aug 00 1315	U	U	10.4 mg/L Sulfate	3.93 mg/L TOC
2 Aug 00 0750	U	U	13.8 mg/L Sulfate	10.6 mg/L TOC
2 Aug 00 1330	U	U	2.70 mg/L Sulfate	U
	NT	U	NT	NT
	U	U	Ü	U
on		DE		
	Aug 00 1230 Aug 00 1315 Aug 00 0750 Aug 00 1330 on ot detected abo	Aug 00 1030 U  Aug 00 1230 U  Aug 00 1315 U  Aug 00 0750 U  Aug 00 1330 U  NT  U	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   49.1	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   49.1

#### TABLE 1

#### MCAS BEAUFORT LAUREL BAY BUILDING 766 APRIL 2001

	Sample Collection	EPA 405.1	EPA 8270C	EPA 8260B	EPA 410.4	EPA 353.2	EPA 375.4
Sample Number	Date and Time	BOD	SVOCs	VOCs	COD	Nitrate	Sulfate
							E CARET
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
	1		188 μg/L Phenathrene	5.7 μg/L sec-Butylbenzene	100		
				5.5 µg/L Ethylbenzene			
	1			5.0 µg/L Isopropylbenzene			
	1			5.3 μg/L p-Isopropyltoluene			
				30.3 μg/L Naphthalene		The second second	
				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	Ŭ	NT	NT	NT
	DV Full						
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 Sulfat
				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-				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
Method Blank		0	U	U	U	U	U
KEY:	1						
BOD = Biochemical (							
COD = Chemical Oxy						0	
U = Target analytes w NT = Sample was not	ere not detected above		ting limits.				

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

			HOYCIMDCI	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: MATRIX:	11/9/01 AQUEOUS	11/9/01 AQUEOUS	11/9/01 AQUEOUS	11/9/01 AQUEOUS	11/9/01 AQUEOUS	11/9/01 AQUEOUS	11/9/01 AQUEOUS	11/10/01 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 td=""  <=""><td>(49.2)</td><td>(148/2)</td><td><rl< td=""><td><rl< td=""><td>THREE!</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl>	(49.2)	(148/2)	<rl< td=""><td><rl< td=""><td>THREE!</td><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td>THREE!</td><td><rl< td=""></rl<></td></rl<>	THREE!	<rl< td=""></rl<>
Acetone Carbon disulfide	88			1.8			5.5	
Ethylbenzene 700µg/L	5.2	1		1		1 3		1
1,2,4-Trimethylbenzene	31	1		1		1 9		i
1,3,5-Trimethylbenzene	14	1 1		1		1		:
Naphthalene 25 μg/L	23	1	1.9			1 3		
n-Propylbenzene p-Isopropyltoluene	8.8 9.3	1 1		1		1		
sec-Butylbenzene	9.5	1 1	1.6	1.5		1 3		1
tert-Butylbenzene	16	:	1.0	1.3				1
Xylenes 10,000 μg/L	21							
SEMI-VOLATILE ORGANICS (8270C)		<rl< td=""><td></td><td></td><td><rl< td=""><td></td><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>			<rl< td=""><td></td><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>		<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
1-Methylnaphthalene 25 µg/L	180	1	3.9	4.4		14		
2-Methylnaphthalene 25 µg/L	250	1		2.0		20		
Acenaphthene	13	1				2.0		
Anthracene	19	1		1				
Flouranthene	9.7	1		1				1
Flourene Naphthalene 25 µg/L	57 63	1		1	8	3.6		
Phenanthrene 25 µg/L	89	1 1		<b>9</b>		8.2		
Pyrene	10	1		1		1 0.2		1
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.< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl.<></td></rl.<>	<rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl.<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
COD (E410.1)	76	14	26	24	11	34	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
NITRATE NITROGEN (353.3)	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl.<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl.<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl.<></td></rl<></td></rl<>	<rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl.<></td></rl<>	<rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl.<>	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
SULFATE (E375.4)	100	10	8	8	20	10	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></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< td=""><td>N/A</td><td>N/A</td></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 my	56 mv	16 mv	16 my	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: SAMPLE DATE: MATRIX: RESULT UNITS: SCRBSL	766-GP-1- 6-02 06/20/02 AQUEOUS (µg/L)	766-GP-2R-06- 02 06/20/02 AQUEOUS (µg/L)	766-GP-3-06- 02 06/20/02 AQUEOUS (µg/L)	766-GP-4-06- 02 06/20/02 AQUEQUS (µg/L)	766-GP-5-06- 02 06/20/02 AQUEOUS (µg/L)	766-GP-DUP1- 06-02* 06/20/02 AQUEOUS (µg/L)	766-GP-BLK1- 06-02 06/20/02 AQUEOUS (µg/L)	METHOD BLK 06/20/02 AQUEOUS (µg/L)
VOLATILE ORGANICS (8260B)  1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Acetone Benzene 5.0 µg/L Ethylbenzene 700µg/L Isopropylbenzene Naphthalene 25 µg/L n-Butylbenzene n-Propylbenzene p-Isopropyltoluene sec-Butylbenzene Toluene 1,000 µg/L Xylenes 10,000 µg/L	36 8.9 110 5.5 6.0 4.7 46 9.6 5.4 4.2 6.9	<rl.< td=""><td>1,4</td><td><rl< td=""><td><rl< td=""><td><rl.< td=""><td>2.3</td><td><rl.< td=""></rl.<></td></rl.<></td></rl<></td></rl<></td></rl.<>	1,4	<rl< td=""><td><rl< td=""><td><rl.< td=""><td>2.3</td><td><rl.< td=""></rl.<></td></rl.<></td></rl<></td></rl<>	<rl< td=""><td><rl.< td=""><td>2.3</td><td><rl.< td=""></rl.<></td></rl.<></td></rl<>	<rl.< td=""><td>2.3</td><td><rl.< td=""></rl.<></td></rl.<>	2.3	<rl.< td=""></rl.<>
SEMI-VOLATILE ORGANICS 8270C)	N/A	<rl< td=""><td><rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl.<></td></rl<></td></rl<>	<rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl.<></td></rl<>	<rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl.<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></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< td=""><td><rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl.<></td></rl<></td></rl<>	<rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl.<></td></rl<>	<rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl.<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
COD (E410.1)	N/A	7.8	10.6	<rl.< td=""><td>12.2</td><td>17.8</td><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl.<>	12.2	17.8	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
NITRATE NITROGEN (353.2)	N/A	<rl< td=""><td><rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>N/A</td></rl<></td></rl<></td></rl<></td></rl<></td></rl.<></td></rl<>	<rl.< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>N/A</td></rl<></td></rl<></td></rl<></td></rl<></td></rl.<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>N/A</td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td>N/A</td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>N/A</td></rl<></td></rl<>	<rl< td=""><td>N/A</td></rl<>	N/A
SULFATE (E375.4)	N/.A	8.2	7.5	7.7	4.3	4.9	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></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< td=""><td>0.26</td><td>0.79</td><td>0.79</td><td>N/A</td><td>N/A</td></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

			_	I	EPA N	<b>letho</b>	d 826	0		200		EP,	4 Met	hod 8	3270		Ani	ons	
	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					Resu	ılts in	ug/L					Results in ug/L Results in mg/L			/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< td=""><td>0.08</td><td>0.15</td><td>1.88</td><td>0.07</td><td>4.77</td><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	0.08	0.15	1.88	0.07	4.77	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
766-DUP1-6-03	10.2	1.06	<rl< td=""><td>0.64</td><td>0.65</td><td>1.69</td><td>7.0</td><td>12.1</td><td>0.79</td><td>4.13</td><td><rl< td=""><td>0.07</td><td>0.13</td><td>1.84</td><td>0.07</td><td>2.89</td><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	0.64	0.65	1.69	7.0	12.1	0.79	4.13	<rl< td=""><td>0.07</td><td>0.13</td><td>1.84</td><td>0.07</td><td>2.89</td><td><rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	0.07	0.13	1.84	0.07	2.89	<rl< td=""><td><rl< td=""><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
766-GP-2R-6-03	<rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td>21.4</td><td>0.01</td><td>0.01</td><td><rl< td=""></rl<></td></rl<>	21.4	0.01	0.01	<rl< td=""></rl<>
766-GP-5-6-03	<rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<></td></rl<>	<rl< td=""><td>13.3</td><td>0.04</td><td>0.04</td><td><rl< td=""></rl<></td></rl<>	13.3	0.04	0.04	<rl< td=""></rl<>
766-GP-3-6-03	<rl< td=""><td><rl< td=""><td><rl< td=""><td>0.51</td><td><rl< td=""><td>2.25</td><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>0.51</td><td><rl< td=""><td>2.25</td><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td>0.51</td><td><rl< td=""><td>2.25</td><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	0.51	<rl< td=""><td>2.25</td><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	2.25	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td>2.52</td><td>0.15</td><td>0.43</td><td>0.17</td><td><rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<></td></rl<>	2.52	0.15	0.43	0.17	<rl< td=""><td>14.9</td><td>0.12</td><td>0.12</td><td><rl< td=""></rl<></td></rl<>	14.9	0.12	0.12	<rl< td=""></rl<>
766-GP-4-6-03	<rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<></td></rl<>	<rl< td=""><td><rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<></td></rl<>	<rl< td=""><td>11.2</td><td><rl< td=""><td>0.02</td><td>0.02</td></rl<></td></rl<>	11.2	<rl< td=""><td>0.02</td><td>0.02</td></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



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

<b>Date Receiv</b>	ed				
		A			
		State U	se Uni	y	
		State C	se Oni	/	

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

I. OWNERSHIP OF UST (S)

	mmanding Officer Attn: NF	REAO (Craig Ehde)
Owner Name (Corporation	n, 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
Facility Name or Company Site Identifier
766 Althea Street, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)
D. C. J. D. C. J. D.
Beaufort, Beaufort
City County

Attachment 2

### III. INSURANCE INFORMATION

Insurance Statement	
The petroleum release reported to DHEC on at qualify to receive state monies to pay for appropriate site rehabilitation a allowed in the State Clean-up fund, written confirmation of the existence insurance policy is required. This section must be completed.	activities. Before participation is
Is there now, or has there ever been an insurance policy or other to UST release? YES NO (check one)	financial mechanism that covers this
If you answered YES to the above question, please compl	lete 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 po	olicy with this report.
IV. REQUEST FOR SUPERB F  I DO / DO NOT wish to participate in the SUPERB Program.	(Circle one.)
V. CERTIFICATION (To be signed by Leartify that I have personally examined and am familiar with the	
I certify that I have personally examined and am familiar with the attached documents; and that based on my inquiry of those indivinformation, I believe that the submitted information is true, accurate	information submitted in this and an iduals responsible for obtaining this te, 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				1	i
	766Althea				
Product(ex. Gas, Kerosene)	Heating oil				
Capacity(ex. 1k, 2k)	280 gal				
Age	Late 1950s				
Construction Material(ex. Steel, FRP)	Steel				
Month/Year of Last Use	Mid 1980s				
Depth (ft.) To Base of Tank	4'4"				
pill Prevention Equipment Y/N	No				
Overfill Prevention Equipment Y/N	No				
Method of Closure Removed/Filled	Removed				
Date Tanks Removed/Filled	10/14/10				
isible Corrosion or Pitting Y/N	Yes				
visible Holes Y/N	Yes				
<u>*</u>	• •	~	,	at a	
		•			
isposal manifests)				USTs (a	ttach
	Construction Material(ex. Steel, FRP)  Month/Year of Last Use	Capacity(ex. 1k, 2k)	Capacity(ex. Ik, 2k)	Capacity(ex. Ik, 2k)	Capacity(ex. Ik, 2k)

### VII. PIPING INFORMATION

	766Althea
	Steel
Construction Material(ex. Steel, FRP)	& Copper
Construction Material(Cx. Steel, 1 Kt )	
Distance from UST to Dispenser	N/A
Number of Dispensers	N/A
Type of System Pressure or Suction	Suction
Was Piping Removed from the Ground? Y/N	Yes
Visible Corrosion or Pitting Y/N	Yes
Visible Holes Y/N	No
Age	Late 1950s
If any corrosion, pitting, or holes were observed, d	escribe the location and extent for each piping r
	, , , , , , , , , , , , , , , , , , ,
Corrosion and pitting were found	on the surface of the steel ven
Corrosion and pitting were found pipe. Copper supply and return 1	on the surface of the steel ven
	on the surface of the steel ven
	on the surface of the steel ven
pipe. Copper supply and return 1	on the surface of the steel ven ines were sound.
viii. BRIEF SITE DESCR	on the surface of the steel ven ines were sound.
pipe. Copper supply and return 1	on the surface of the steel ven ines were sound.  IPTION AND HISTORY onstructed of single wall steel
viii. BRIEF SITE DESCRITHE USTs at the residences are co	on the surface of the steel ven ines were sound.  IPTION AND HISTORY onstructed of single wall steel or heating. These USTs were
VIII. BRIEF SITE DESCRITHE USTs at the residences are contained fuel oil f	on the surface of the steel ven ines were sound.  IPTION AND HISTORY onstructed of single wall steel or heating. These USTs were
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VIII. BRIEF SITE DESCRITHE USTs at the residences are contained fuel oil f	on the surface of the steel ven ines were sound.  IPTION AND HISTORY onstructed of single wall steel or heating. These USTs were

### IX. SITE CONDITIONS

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

## X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

۶. <u>_</u>								
	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	
						14000000		
ŀ			***************************************	***************************************				
L				74,000				
L	8							
	9					***************************************		
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							

<sup>\* =</sup> Depth Below the Surrounding Land Surface

### XI. SAMPLING METHODOLOGY

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

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

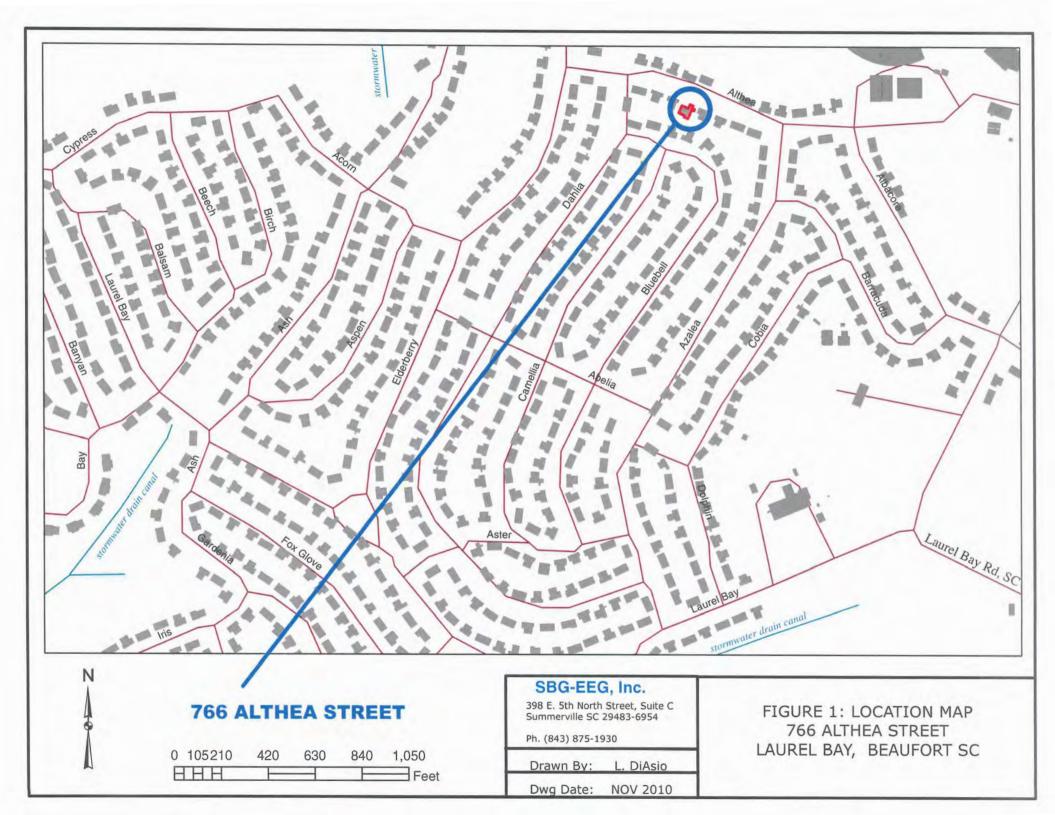
### XII. RECEPTORS

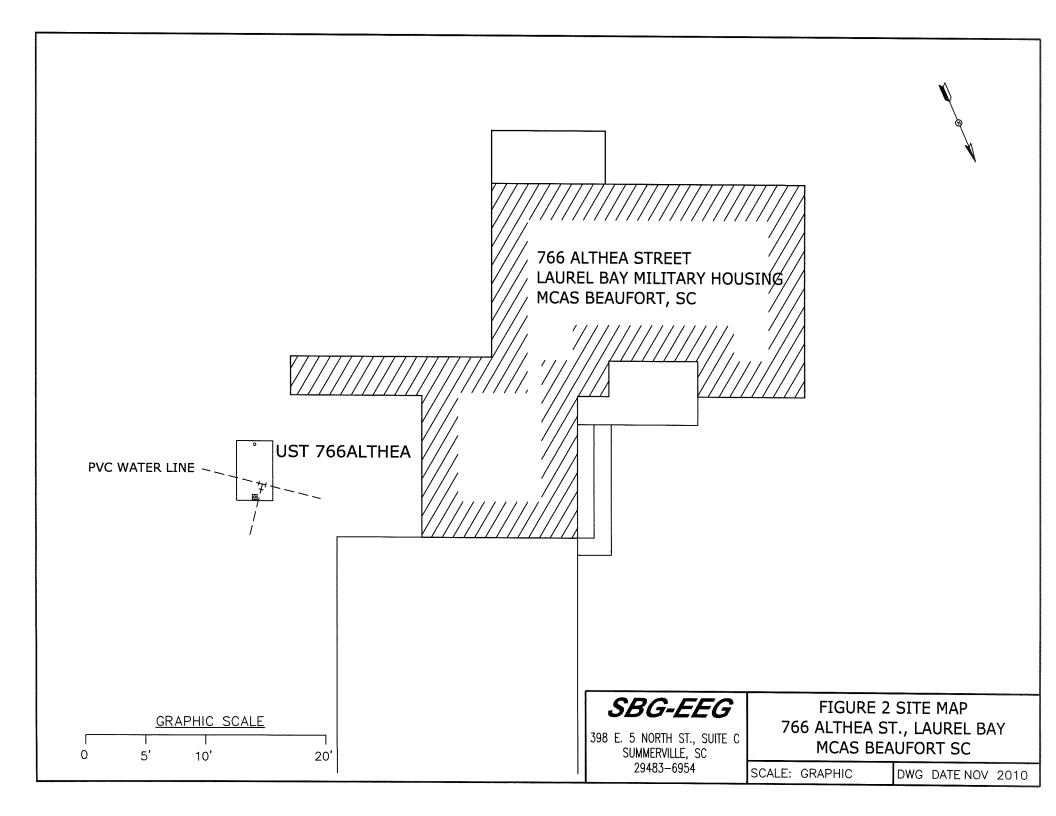
		Yes	No_
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?		X
	If yes, indicate type of receptor, distance, and direction on site map.		
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?		Х
	If yes, indicate type of well, distance, and direction on site map.		
C.	Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?		Х
	If yes, indicate type of structure, distance, and direction on site map.		
D.	Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination?  *Sewer and water	*X	
	If yes, indicate the type of utility, distance, and direction on the site map.		
E.	Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?		Х
	If yes, indicate the area of contaminated soil on the site map.		

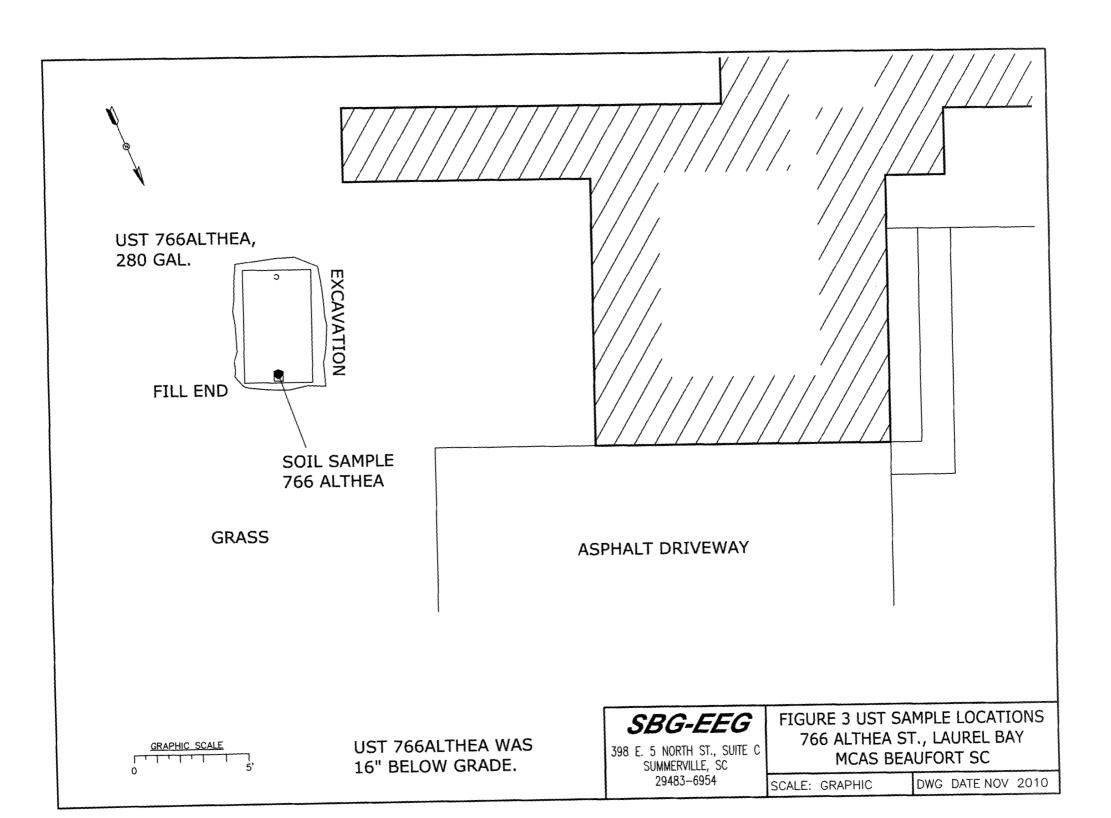
### XIII. SITE MAP

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

(Attach Site Map Here)









Picture 1: Location of UST 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.

Enter the son analytical data	a lor cuch borr corr			
CoC UST	766Althea			
Benzene	ND			
Toluene	0.00240 mg/]	<b>∢</b> g		
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	NI			
Chrysene	0.0570 mg/kg			
Dibenz (a, h) anthracene	NE			
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 me	asured	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)



November 01, 2010 5:03:00PM

Attn:

Client: EEG - Small Business Group, Inc. (2449) Work Order: NTJ2269

10179 Highway 78 Project Name: Laurel Bay Housing Project

 Ladson, SC 29456
 Project Nbr:
 [none]

 Tom McElwee
 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.

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

South Carolina Certification Number: 84009

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

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

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

Estimated uncertainty is available upon request.

This report has been electronically signed.

Em & Hage

Report Approved By:

Ken A. Hayes

Senior Project Manager



10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

Received: 10/16/10 08:30

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-01 (927 All General Chemistry Parameters	bacore - Soil)	Sampled	: 10/11/10	10:45						
% Dry Solids	88.4		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EPA	A Method 8260I	3								
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	0.112	50	10/25/10 19:10	SW846 8260B	WMC H	10J4963
Toluene	ND	Mo	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	0.112	50	10/25/10 19:10	SW846 8260B	WMC H	10J4963
Surr: 1,2-Dichloroethane-d4 (67-138%)	123 %			0.100	0.277	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	I	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
l-Methylnaphthalene	ND		mg/kg dry	0.0132	0.0735		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 %						10/25/10 01:27	SW846 8270D	KJP	10J3714
Surr: 2-Fluorobiphenyl (14-120%)	64 %					-	10/25/10 01:27	SW846 8270D	KJP	10J3714
Surr: Nitrobenzene-d5 (17-120%)	59 %						10/25/10 01:27	SW846 8270D	KJP	10J3714



10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NTJ2269

Project Name:

Laurel Bay Housing Project

Project Number:

[none]

Received: 10/16/10 08:30

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-02 (937 A)	lbacore - Soil) S	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 EP	A Method 8260B	<b>,</b>								
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	10Ј3714
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0179	0.0798	I	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
ndeno (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
-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	10Ј3714
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 %					I	10/25/10 01:48	SW846 8270D	KJP	10J3714



10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NTJ2269

Project Name:

Laurel Bay Housing Project

Project Number:

[none]

Received:

10/16/10 08:30

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-03 (756 A) General Chemistry Parameters	lthea - Soil) Sai	npled:	10/12/10 13	3:45						
% Dry Solids	87.1		%	0.500	0.500	1	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EP	A Method 8260E	}								
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	10,J3702
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	i	10/25/10 02:10	SW846 8270D	KJP	10J3714
luoranthene	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	I	10/25/10 02:10	SW846 8270D	KJP	10J3714
ndeno (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
yrene	ND		mg/kg dry	0.0261	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
-Methylnaphthalene	ND		mg/kg dry	0.0136	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
-Methylnaphthalene	ND		mg/kg dry	0.0238	0.0759	1	10/25/10 02:10	SW846 8270D	KJP	10J3714
urr: Terphenyl-d14 (18-120%)	66 %					1	10/25/10 02:10	SW846 8270D	KJP	10J3714
urr: 2-Fluorobiphenyl (14-120%)	61 %						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



10179 Highway 78

Ladson, SC 29456 Tom McElwee

Attn

Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

Received: 10/16/10 08:30

	Market Ma					Dilution	Analysis			
Analyte	Result	Flag	Units	MDL	MRL	Factor	Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-04 (754 Al	lthea - Soil) Sai	mpled:	10/12/10 16	5:30						
General Chemistry Parameters										
% Dry Solids	86.4		%	0.500	0.500	i	10/21/10 09:05	SW-846	HLB	10J3826
Volatile Organic Compounds by EP.	A 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		10/25/10 02:32	SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	55 %					I	10/25/10 02:32	SW846 8270D	KJP	10J3714
Surr: 2-Fluorobiphenyl (14-120%)	47 %					I	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



10179 Highway 78 Ladson, SC 29456

Attn Tom McElwee

Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

Received: 10/16/10 08:30

						Dilution	Analysis			
Analyte	Result	Flag	Units	MDL	MRL	Factor	Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-05 (758 Ald	thea - Soil) Sai	npled: 1	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	A 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	10J370.
Surr: Dibromofluoromethane (75-125%)	100 %					1	10/26/10 06:11	SW846 8260B	KxC	10J370.
Surr: Toluene-d8 (76-129%)	99 %					1	10/26/10 06:11	SW846 8260B	KxC	10J370.
Surr: 4-Bromofluorobenzene (67-147%)	105 %					1	10/26/10 06:11	SW846 8260B	KxC	10J370.
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	i	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	I	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 %						10/25/10 02:54	SW846 8270D	KJP	10J3714
Surr: 2-Fluorobiphenyl (14-120%)	53 %					=	10/25/10 02:54	SW846 8270D	KJP	10J3714
Surr: Nitrobenzene-d5 (17-120%)	49 %					=	10/25/10 02:54	SW846 8270D	KJP	10J3714



10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

Received: 10/16/10 08:30

Benzo (g,h,i) perylene  0.0700	**************************************			ANALY	TICAL REP	UK I					
Secure Solids         %         0.50         0.50         0.50         1         0.21/10.0000         30.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         <	Analyte	Result	Flag	Units	MDL	MRL			Method	Analyst	Batch
% Dry Solids         81.6         %         0.500         0.500         1 0 102110 9080         50.00         B18 1 012110 9080         MISS         103825           Volatile Organic Compounds by EPA Method         0.0024         mg/kg dy         0.00224         0.00224         1 102610 6640         KSK6 1 2010         10.00210 6036         KSK6 1 2010         10.00210 6036         KSK6 1 2010         10.00410 6036         KSK6 2010         MSK6 1 10.00410 6036         KSK6 2010         MSK6 2010         MSK6 2010         MSK6 2010         MSK6 2010         MSK6 2010	Sample ID: NTJ2269-06 (760 Al	thea - Soil) Sai	mpled:	10/13/10 10	5:00						
Notatiic Organic Compounds by EPA Method 8260B   Benzene   0.00254   mg/kg dry   0.00128   0.00232   1   1026/10 0.640   SW46 8260B   K3C   103702   Elhyblenzzene   1.15   mg/kg dry   0.00128   0.00232   1   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.00163   0.00232   1   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.00163   0.00232   1   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0111   0.293   0   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0111   0.293   0   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0111   0.293   0   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0111   0.293   0   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0111   0.293   0   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0111   0.293   0   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0111   0.293   0   1026/10 0.640   SW46 8260B   K3C   103702   Mg/kg dry   0.0121   Mg/kg dry   0.0121   Mg/kg dry   0.0124   M	General Chemistry Parameters										
Benzene	% Dry Solids	81.6		%	0.500	0.500	I	10/21/10 09:05	SW-846	HLB	10J3826
Benzene	Volatile Organic Compounds by EP.	A Method 8260E	}								
Part				mg/kg dry	0.00128	0.00232	1	10/26/10 06:40	SW846 8260B	KxC	10J3702
Nghthalnen  5.68  mg/kg dy  0.0095  mg/kg dy  0.00103  0.00212  1 102c10 100:036  80x46 x2508  WMC II  101960  103070  Tollene  0.0229  mg/kg dy  0.0110  0.00212  1 102c10 100:040  80x46 x2508  WMC II  101960  103070  XSwrs 1.2-Dichlamaethane 48 (67-128%)  80wr 1.2-Dichlamaethane 48 (67-128%)  108 %  80wr 1.2-Dichlamaethane 48 (67-128%)  109 %  80wr 1.2-Dichlamaethane (67-147%)  100 %  80wr 1.2-Dich		1.15								WMC H	10J4963
Tolicine	•	5.68								WMC H	10J4963
Name		0.0229								KxC	10J3702
1		1.84		mg/kg dry						WMC H	10J4963
Surr. 1.2-Dichlomothume-44 (07-138%)		96 %			0.111	0.275				$K_{Y}C$	1013702
Surry Dibromofilancomethane (75-123%)   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105 %   105		108 %									
Surry Dibrome/luromerhane (75-123%)   103 %   147 %   27	Surr: Dibromofluoromethane (75-125%)	105 %									
Surr: Toluene-d8 (76-129%)	Surr: Dibromofluoromethane (75-125%)	105 %									
Sum: Toltone-d8 (76-129%)   97%   245	Surr: Toluene-d8 (76-129%)	147 %	Z.	Y							
Surre 4-Bromofluorobenzene (67-147%)   245 %   27	Surr: Toluene-d8 (76-129%)	97 %						10/26/10 00:36			
Polyaromatic Hydrocarbons by EPA 8270D    Acenaphthene	Surr: 4-Bromofluorobenzene (67-147%)	245 %	Z	Y					SW846 8260B		10J3702
Acenaphthene         1.22         mg/kg dry         0.0171         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Acenaphthylene         ND         mg/kg dry         0.0244         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Anthracene         ND         mg/kg dry         0.0110         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Benzo (a) anthracene         0.366         mg/kg dry         0.0134         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Benzo (a) pyrene         0.196         mg/kg dry         0.0464         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Benzo (a) hi) perylene         0.296         mg/kg dry         0.0464         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Benzo (k) fluoranthene         0.230         mg/kg dry         0.0452         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Chrysene         0.453         mg/kg dry         0.0183	Surr: 4-Bromofluorobenzene (67-147%)	101 %						10/26/10 00:36	SW846 8260B	WMC H	10J4963
Acenaphthylene ND mg/kg dry 0.0244 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Anthracene .ND mg/kg dry 0.0110 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Benzo (a) anthracene 0.366 mg/kg dry 0.0134 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Benzo (a) pyrene 0.196 mg/kg dry 0.00977 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Benzo (b) fluoranthene 0.296 mg/kg dry 0.0464 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Benzo (g,h,i) perylene 0.0700 J mg/kg dry 0.0110 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Benzo (k) fluoranthene 0.230 mg/kg dry 0.0462 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Benzo (k) fluoranthene 0.453 mg/kg dry 0.0452 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Chrysene 0.453 mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Dibenz (a,h) anthracene ND mg/kg dry 0.0183 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Fluoranthene 0.669 mg/kg dry 0.034 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Fluoranthene 0.0669 mg/kg dry 0.034 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Fluoranthene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Fluoranthene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 1013714  Phenanthrene 0.0777 J mg/kg dry 0.0373 0.0409 5 10/25/10 03:15 SW846 8270D KJP 1013714  Phen	Polyaromatic Hydrocarbons by EPA	8270D									
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 0.00977 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  Benzo (k) fluoranthene 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 0.0244 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714  Phenanthrene 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 0.0122 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714  Pyrene 1.02 mg/kg dry 0.0122 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714  Pyrene 1.02 mg/kg dry 0.0122 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714  Pyrene 1.02 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  Pyrene 1.02 mg/kg dry 0.0123 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  Pyrene 1.02 mg/kg dry 0.0281 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714  Pyrene 1.02 mg/kg dry 0.0373 0.409 5 10/25/10 03:15 SW846 8270D KJP 10J3714  Pyrene 1.02 mg/kg dry 0.0373 0.409 5 10/25/10 03:15 SW846 8270D KJP 10J3714  Pyrene 1.02 mg/kg dry 0.0373 0.409 5 10/25/10 03:15 SW846 8270D KJP 10J3714  Pyrene 1.02 mg/k	Acenaphthene	1.22		mg/kg dry	0.0171	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 Benzo (k) fluoranthene 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 0.0183 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Indeno (1,2,3-ed) pyrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Indeno (1,2,3-ed) pyrene 0.0777 J mg/kg dry 0.0134 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Indeno (1,2,3-ed) pyrene 0.0777 J mg/kg dry 0.0171 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Phenanthrene 2.01 mg/kg dry 0.0171 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.02 mg/kg dry 0.0122 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.02 mg/kg dry 0.0122 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.02 mg/kg dry 0.0122 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.02 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 Pyrene 1.02 mg/kg dry 0.0733 0.409 5 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 Pyrene 1.02 mg/kg dry 0.0733 0.409 5 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.02 mg/kg dry 0.0132 0.409 5 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.02 mg/kg dry 0.0132 0.409 5 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.02 mg/kg dry 0.0132 0.409 5 10/25/10 03:15 SW846 8270D KJP 10J3714 Pyrene 1.	•	ND		mg/kg dry	0.0244	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         10/3714           Benzo (a) pyrene         0.196         mg/kg dry         0.00977         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Benzo (b) fluoranthene         0.296         mg/kg dry         0.0464         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Benzo (k) fluoranthene         0.230         mg/kg dry         0.0452         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Chrysene         0.453         mg/kg dry         0.0379         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Dibenz (a,h) anthracene         ND         mg/kg dry         0.0133         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Fluoranthene         0.669         mg/kg dry         0.0134         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Fluoranthene         1.26         mg/kg dry	• •	. ND		mg/kg dry	0.0110	0.0818	1		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  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0183  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0134  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0134  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0244  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0244  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0244  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0171  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0121  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0122  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0281  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0122  0.0818  1 10/25/10 03:15  SW846 8270D  KJP 10J3714  Dibenz (a,h) anthracene  ND  mg/kg dry  0.0281  Dibenz (a,h) anth		0.366		mg/kg dry	0.0134	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 0 8846 82700 0 KJP 10J3714 Benzo (g,h,i) perylene 0.0700 0 mg/kg dry 0.0110 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Benzo (k) fluoranthene 0.230 mg/kg dry 0.0452 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Chrysene 0.453 mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Dibenz (a,h) anthracene ND mg/kg dry 0.0183 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Fluoranthene 0.669 mg/kg dry 0.0134 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Fluorene 1.26 mg/kg dry 0.0244 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Indeno (1,2,3-ed) pyrene 0.0777 J mg/kg dry 0.0379 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Indeno (1,2,3-ed) pyrene 0.0777 J mg/kg dry 0.0121 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Indeno (1,2,3-ed) pyrene 0.0777 Mg/kg dry 0.0122 0.0818 1 10/25/10 03:15 0 8846 82700 0 KJP 10J3714 Indeno (1,2	Benzo (a) pyrene	0.196		mg/kg dry	0.00977	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           Fluoranthene         1.26         mg/kg dry         0.0244         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10J3714           Fluoranthene         1.26         mg/kg dry         0.0379         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10J3714           Indeno (1,2,3-ed) pyrene         1.02         mg/kg		0.296		mg/kg dry	0.0464	0.0818	I	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 03:15   SW846 8270D   KJP   10J3714     2-Methylnaphthalene   9.43   mg/kg dry   0.128   0.409   5   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: 2-Fluorobiphenyl (14-120%)   83 %   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: 2-Fluorobiphenyl (14-120%)   83 %   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: 2-Fluorobiphenyl (14-120%)   83 %   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: 2-Fluorobiphenyl (14-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15 (47-120%)   15	` '	0.0700	J	mg/kg dry	0.0110	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         10/3714           Dibenz (a,h) anthracene         ND         mg/kg dry         0.0183         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Fluoranthene         0.669         mg/kg dry         0.0134         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Fluorene         1.26         mg/kg dry         0.0244         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Indeno (1,2,3-ed) pyrene         0.0777         J         mg/kg dry         0.0379         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Naphthalene         2.45         mg/kg dry         0.0171         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Pyrene         1.02         mg/kg dry         0.0122         0.0818         1         10/25/10 03:15         SW846 8270D         KJP         10/3714           Pyrene         1.02         mg/kg dry         0.0281		0.230		mg/kg dry	0.0452	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  0.0171  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  I-Methylnaphthalene  7.22  mg/kg dry  0.0281  0.0818  1 10/25/10 03:15 SW846 8270D KJP 10J3714  I-Methylnaphthalene  9.43  mg/kg dry  0.0733  0.409  5 10/25/10 03:15 SW846 8270D KJP 10J3714  Surr: Terphenyl-d14 (18-120%)  Surr: Terphenyl-d14 (18-120%)  83 %  1 10/25/10 03:15 SW846 8270D KJP 10J3714	• •	0.453		mg/kg dry	0.0379	0.0818	i	10/25/10 03:15	SW846 8270D	KJP	10J3714
Fluoranthene	•	ND		mg/kg dry	0.0183	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 0.0281 0.0818 1 10/25/10 03:15 SW846 8270D KJP 10J3714 1-Methylnaphthalene 9.43 mg/kg dry 0.0733 0.409 5 10/25/10 04:19 SW846 8270D KJP 10J3714 Surr: Terphenyl-d14 (18-120%) 79 % J 10/25/10 03:15 SW846 8270D KJP 10J3714 Surr: 2-Fluorobiphenyl (14-120%) 83 % J 1 10/25/10 03:15 SW846 8270D KJP 10J3714	,	0.669		mg/kg dry	0.0134	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%)         83 %         1         10/25/10 03:15         SW846 8270D         KJP         10J3714           5 mg/kg dry         0.12 kg dry         0.12 kg dry         0.12 kg dry         0.12 kg dry		1.26		mg/kg dry	0.0244	0.0818	1		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	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
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 1 10/25/10 03:15 SW846 8270D KJP 10J3714	· · · · · · · · · · · · · · · · · · ·	2.45		mg/kg dry	0.0171	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	•	2.01		mg/kg dry	0.0122	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		1.02		mg/kg dry			1		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	·	7.22		mg/kg dry						KJP	10J3714
Surr: Terphenyl-d14 (18-120%)       79 %       1 10/25/10 03:15       \$W846 8270D       KJP 10J3714         Surr: 2-Fluorobiphenyl (14-120%)       83 %       1 10/25/10 03:15       \$W846 8270D       KJP 10J3714	, ,	9.43		mg/kg dry						KJP	10J3714
Surr: 2-Fluorobiphenyl (14-120%) 83 % 1 10/25/10 03:15 SW846 8270D KJP 10J3714		79 %								KJP	10J3714
C No. 1 35 (17 1700)		83 %									
	Surr: Nitrobenzene-d5 (17-120%)	69 %					1	10/25/10 03:15	SW846 8270D	KJP	



10179 Highway 78 Ladson, SC 29456

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Work Order:

Received:

NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [

[none]

10/16/10 08:30

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-07 (763 Al	thea - Soil) Sar	npled: 1	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 EP.	A 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		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
Surv: 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	I	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	Ī	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	0/25/10 03:36	SW846 8270D	KJP	10J3714
Fluorene	1.63		mg/kg dry	0.0240	0.0804	1	0/25/10 03:36	SW846 8270D	KJP	10J3714
Indeno (1,2,3-cd) pyrene	0.128		mg/kg dry	0.0372	0.0804	1	0/25/10 03:36	SW846 8270D	KJP	10J3714
Naphthalene	0.631		mg/kg dry	0.0168	0.0804	1	0/25/10 03:36	SW846 8270D	KJP	10J3714
Phenanthrene	3.89		mg/kg dry	0.0120	0.0804		0/25/10 03:36	SW846 8270D	KJP	10J3714
Pyrene	2.59		mg/kg dry	0.0276	0.0804		0/25/10 03:36	SW846 8270D	KJP	10J3714
1-Methylnaphthalene	5.46		mg/kg dry	0.0720	0.402		0/25/10 04:41	SW846 8270D	KJP	10J3714
2-Methylnaphthalene	8.84		mg/kg dry	0.126	0.402			SW846 8270D	KJP	10J3714
Surr: Terphenyl-d14 (18-120%)	72 %						10/25/10 03:36	SW846 8270D	KJP	10J3714
Surr: 2-Fluorobiphenyl (14-120%)	65 %									
	05 70					1 ,	10/25/10 03:36	SW846 8270D	KJP	10J3714



10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

Received: 10/16/10 08:30

			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		······································	Dilution	Analysis			
Analyte	Result	Flag	Units	MDL	MRL	Factor	Date/Time	Method	Analyst	Batch
Sample ID: NTJ2269-08 (766 Al	lthea - Soil) Sar	npled:	10/14/10 15	5:25						
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 EP.	A 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	I	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 %	Z	Y			1	10/26/10 07:39	SW846 8260B	KxC	10J3702
Surr: 4-Bromofluorobenzene (67-147%)	179 %	Z	(			I	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
Fluorenc	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
l-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 %					I	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 %					I	10/25/10 03:58	SW846 8270D	KJP	10J3714



10179 Highway 78 Ladson, SC 29456

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Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

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 82	270D						
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 M	Aethod 8260B						
SW846 8260B	10J4963	NTJ2269-01	5.07	5.00	10/11/10 10:45	СНН	EPA 5035
SW846 8260B	10J4863	NTJ2269-02	5.78	5.00	10/11/10 15:30	СНН	EPA 5035
SW846 8260B	10J3702	NTJ2269-03	4.32	5.00	10/12/10 13:45	СНН	EPA 5035
SW846 8260B	10J3702	NTJ2269-04	4.99	5.00	10/12/10 16:30	СНН	EPA 5035
SW846 8260B	10J3702	NTJ2269-05	6.66	5.00	10/13/10 11:15	СНН	EPA 5035
SW846 8260B	10J3702	NTJ2269-06	5.28	5.00	10/13/10 16:00	СНН	EPA 5035
SW846 8260B	10J4963	NTJ2269-06RE1	5.23	5.00	10/13/10 16:00	СНН	EPA 5035
SW846 8260B	10J3702	NTJ2269-07	5.46	5.00	10/14/10 10:45	СНН	EPA 5035
SW846 8260B	10J3267	NTJ2269-07RE1	5.80	5.00	10/14/10 10:45	СНН	EPA 5035
SW846 8260B	10J4963	NTJ2269-07RE2	5.70	5.00	10/14/10 10:45	СНН	EPA 5035
SW846 8260B	10J3702	NTJ2269-08	6.10	5.00	10/14/10 15:25	СНН	EPA 5035



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order:

NTJ2269

Project Name: Project Number:

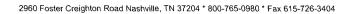
Laurel Bay Housing Project [none]

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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	10Ј3267	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
Cylenes, total	< 0.00190		mg/kg wet	10J3267	10J3267-BLK1	10/26/10 14:07
urrogate: 1,2-Dichloroethane-d4	103%			10J3267	10J3267-BLK1	10/26/10 14:07
nrogate: Dibromofluoromethane	105%			10J3267	10J3267-BLK1	10/26/10 14:07
urrogate: Toluene-d8	99%			10J3267	10J3267-BLK1	10/26/10 14:07
ırrogate: 4-Bromofluorobenzene	104%			10J3267	10J3267-BLK1	10/26/10 14:07
J3702-BLK1						
Benzene	<0.00110		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
thylbenzene	< 0.000980		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
laphthalene	< 0.00170		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
oluene	< 0.000890		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
ylenes, total	< 0.00190		mg/kg wet	10J3702	10J3702-BLK1	10/26/10 00:21
rogate: 1,2-Dichloroethane-d4	100%			10J3702	10J3702-BLK1	10/26/10 00:21
rogate: Dibromofluoromethane	107%			10J3702	10J3702-BLK1	10/26/10 00:21
rogate: Toluene-d8	99%			10J3702	10J3702-BLK1	10/26/10 00:21
ogate: 4-Bromofluorobenzene	107%			10J3702	10J3702-BLK1	10/26/10 00:21
J4863-BLK1						
nzene	< 0.00110		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
lbenzene	< 0.000980		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
hthalene	< 0.00170		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
iene	< 0.000890		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
enes, total	< 0.00190		mg/kg wet	10J4863	10J4863-BLK1	10/25/10 13:05
ogate: 1,2-Dichloroethane-d4	96%			10J4863	10J4863-BLK1	10/25/10 13:05
rogate: Dibromofluoromethane	102%			10J4863	10J4863-BLK1	10/25/10 13:05
rogate: Toluene-d8	98%			10J4863	10J4863-BLK1	10/25/10 13:05
rogate: 4-Bromofluorobenzene	112%			10J4863	10J4863-BLK1	10/25/10 13:05
J4863-BLK2						
nzene	< 0.0550		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
ylbenzene	< 0.0490		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
ohthalene	< 0.0850		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
luene	< 0.0445		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
lenes, total	< 0.0950		mg/kg wet	10J4863	10J4863-BLK2	10/25/10 13:34
rogate: 1,2-Dichloroethane-d4	99%			10J4863	10J4863-BLK2	10/25/10 13:34
ogate: Dibromofluoromethane	97%			10J4863	10J4863-BLK2	10/25/10 13:34
rogate: Toluene-d8	100%			10J4863	10J4863-BLK2	10/25/10 13:34
ogate: 4-Bromofluorobenzene	106%			10J4863	10J4863-BLK2	10/25/10 13:34





10179 Highway 78 Ladson, SC 29456

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Ladson, SC 29456 Tom McElwee Work Order:

NTJ2269

Project Name:

Laurel Bay Housing Project

Project Number:

Received:

[none]

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	
urrogate: Dibromofluoromethane	112%			10J4963	10J4963-BLK1	10/25/10 17:22	
Eurrogate: Toluene-d8	94%			10J4963	10J4963-BLK1	10/25/10 17:22	
urrogate: 4-Bromofluorobenzene	98%			10J4963	10J4963-BLK1	10/25/10 17:22	
olyaromatic Hydrocarbons by E	EPA 8270D						
0J3714-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	
luoranthene	< 0.0110		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37	
luorene	< 0.0200		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37	
ndeno (1,2,3-cd) pyrene	< 0.0310		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37	
laphthalene	< 0.0140		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37	
henanthrene	< 0.0100		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37	
yrene	< 0.0230		mg/kg wet	10Ј3714	10J3714-BLK1	10/24/10 01:37	
-MethyInaphthalene	< 0.0120		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37	
-Methylnaphthalene	< 0.0210		mg/kg wet	10J3714	10J3714-BLK1	10/24/10 01:37	
urogate: Terphenyl-d14	72%			10J3714	10J3714-BLK1	10/24/10 01:37	
rrogate: 2-Fluorobiphenyl	60%			10J3714	10J3714-BLK1	10/24/10 01:37	
nrogate: Nitrobenzene-d5	61%			10J3714	10J3714-BLK1	10/24/10 01:37	





10179 Highway 78 Ladson, SC 29456 Tom McElwee

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Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

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



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order:

NTJ2269

Project Name:

Received:

Laurel Bay Housing Project

Project Number:

[none] 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 E	PA 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 12:0:
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 12:0:
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	10Ј3267	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
0J4963-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



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order:

NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]
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 I	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



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order: NTJ2269

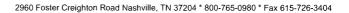
Project Name: Laurel Bay Housing Project

Project Number: [none]

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 12:3
Ethylbenzene		52.9		ug/kg	50.0	106%	79 - 130	16	50	10J3267		10/26/10 12:3
Naphthalene		51.8		ug/kg	50.0	104%	72 - 150	15	50	10J3267		10/26/10 12:3
Toluene		50.6		ug/kg	50.0	101%	76 - 126	15	50	10J3267		10/26/10 12:3
Xylenes, total		155		ug/kg	150	103%	80 - 130	16	50	10J3267		10/26/10 12:3
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			10Ј3267		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
urrogate: 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
'urrogate: 4-Bromofluorobenzene		50.8		ug/kg	50.0	102%	67 - 147			10J4863		10/25/10 12:06
0J4963-BSD1		40.0			***	0.57		_				
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
Foluene		46.4		ug/kg	50.0	93%	76 - 126	6	50	10J4963		10/25/10 16:27
Kylenes, total		155		ug/kg	150	103%	80 - 130	5	50	10J4963		10/25/10 16:27
urrogate: 1,2-Dichloroethane-d4		29.8		ug/kg	25.0		67 - 138			10J4963		10/25/10 16:27
urrogate: Dibromofluoromethane		27.8		ug/kg	25.0		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





10179 Highway 78 Ladson, SC 29456

Tom McElwee

Attn

Work Order:

NTJ2269

Project Name: Project Number:

[none]

Received:

10/16/10 08:30

Laurel Bay Housing Project

# 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 8	3260B										
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
l-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



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

Received: 10/16/10 08:30

# PROJECT QUALITY CONTROL DATA Matrix Spike

Matrix Spike												
Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time		
Volatile Organic Compounds by l	EPA Method 826	0 <b>B</b>										
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	NTJ2240-08RE 2	10/25/10 19:29		
Ethylbenzene	0.294	4.14		mg/kg wet	2.47	156%	21 - 165	10J4863	NTJ2240-08RE 2	10/25/10 19:29		
Naphthalene	1.69	4.77		mg/kg wet	2.47	125%	10 - 160	10J4863	NTJ2240-08RE 2	10/25/10 19:29		
Toluene	0.286	3.84		mg/kg wet	2.47	144%	45 - 145	10J4863	NTJ2240-08RE 2	10/25/10 19:29		
Xylenes, total	3.54	16.1	M7	mg/kg wet	7.40	169%	31 - 159	10J4863	NTJ2240-08RE 2	10/25/10 19:29		
Surrogate: 1,2-Dichloroethane-d4		48.1		ug/kg	50.0	96%	67 - 138	10J4863	NTJ2240-08RE 2	10/25/10 19:29		
Surrogate: Dibromofluoromethane		51.7		ug/kg	50.0	103%	75 - 125	10J4863	NTJ2240-08RE 2	10/25/10 19:29		
Surrogate: Toluene-d8		53.4		ug/kg	50.0	107%	76 - 129	10J4863	NTJ2240-08RE 2	10/25/10 19:29		
Surrogate: 4-Bromofluorobenzene		51.9		ug/kg	50.0	104%	67 - 147	10J4863	NTJ2240-08RE 2	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		



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order: NTJ2269

Project Name: Laurel Bay Housing Project

Project Number: [none]

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 826	0B								
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 E	PA 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	1033714	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



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order:

NTJ2269

Project Name:

Laurel Bay Housing Project

Project Number:

[none]

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 8	3260B											
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	NTJ2240-08RE	10/25/10 19:58	
											2		
Ethylbenzene	0.294	3.18		mg/kg wet	2.47	117%	21 - 165	26	50	10J4863	NTJ2240-08RE 2	10/25/10 19:58	
Naphthalene	1.69	3.95		mg/kg wet	2.47	92%	10 - 160	19	50	10J4863	NTJ2240-08RE 2	10/25/10 19:58	
Toluene	0.286	2.91		mg/kg wet	2.47	107%	45 - 145	27	50	10J4863	NTJ2240-08RE 2	10/25/10 19:58	
Xylenes, total	3.54	12.5		mg/kg wet	7.40	121%	31 - 159	25	50	10J4863	NTJ2240-08RE 2	10/25/10 19:58	
Surrogate: 1,2-Dichloroethane-d4		49.3		ug/kg	50.0	99%	67 - 138			10J4863	NTJ2240-08RE 2	10/25/10 19:58	
Surrogate: Dibromofluoromethane		52.6		ug/kg	50.0	105%	75 - 125			10J4863	NTJ2240-08RE 2	10/25/10 19:58	
Surrogate: Toluene-d8		52.3		ug/kg	50.0	105%	76 - 129			10J4863	NTJ2240-08RE	10/25/10 19:58	
Surrogate: 4-Bromofluorobenzene		50.9		ug/kg	50.0	102%	67 - 147			10J4863	2 NTJ2240-08RE 2	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	



10179 Highway 78 Ladson, SC 29456

Tom McElwee

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Work Order:

NTJ2269

Project Name: Laurel Bay Housing Project

Project Number:

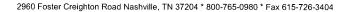
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Received:

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 E	EPA Method 8	3260B										
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 El	PA 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



NTJ2269



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

10179 Highway 78

Ladson, SC 29456

Tom McElwee

Project Name:

Work Order:

Laurel Bay Housing Project

[none] Project Number:

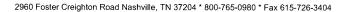
10/16/10 08:30 Received:

## **CERTIFICATION SUMMARY**

## TestAmerica Nashville

Attn

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





EEG - Small Business Group, Inc. (2449)

10179 Highway 78 Ladson, SC 29456

Tom McElwee

Client

Attn

**M7** 

Work Order:

NTJ2269

Project Name:

Laurel Bay Housing Project

Project Number:

[none]

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.

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



Phone: 615-726-0177 Toll Free: 800-765-0980 To assist us in using the proper analytical methods, is this work being conducted for

THE LEADER IN ENVIRONMENTAL	TESTING	lashville, 1	N 3720	04					Fax	c: 61	5-72	26-34	104							regula	itory pu	rposes	?						
Client Name/Account #: E	EG # 2449																					(	Compli	ance M	onitoring	?	Yes		No_
Address:	10179 Highway 7	8														-							Enfor	cement	Action?		Yes		No
City/State/Zip: <u>I</u>	_adson, SC 2945	6																Site	State:	sc									
Project Manager:	Tom McElwee en	nail: mcelwe	e@eegi	inc.ne	t											_			PO#:		10	) (D	<u> </u>	`					
Telephone Number:	843.412.2097		- 4			Fax	No.:	80	13	ج ۔	57	9	-0	40	21	_		TA Qu	ote #:										
Sampler Name: (Print)	PA	nH.	SI	46	<u></u> _											_		Proje	ct ID:	Laure	l Bay H	lousing	Proje	ot					
Sampler Signature:	EXIR	04														-		Proj	ect#:							***************************************			
	7	/				Г		+>Pre	eserv	ative		=		N	1atrix		Т					A	nalyze	For:				$\overline{}$	
	e Sampled	ne Sampled	of Containers Shipped	a	Composite	Field Filtered	HNO, (Red Label)	HCI (Blue tobe) S.C.d. H. C.L.	OH ( Orange Label)	H <sub>2</sub> SO <sub>4</sub> Plastic (Yellow Label) H <sub>2</sub> SO <sub>4</sub> Glass(Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater Danking Water	dge		er (specify):	BTEX + Napth - 82606	H - 8270C			1		<b>269</b>					RUSH TAT (Pre-Schedule)
Sample ID / Description	Date	Ē	Š	Grab	3	<u>ء</u> ا	ž	<u>I</u>	Nag	H R	Ž	ş	8	Wa	S S	Soil	Other	ВТ	PAH		1		/				.		RUS
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756 AltheA	10/12/10	1345	5	×			T	2			1	2)				X		X	×			T	1/	3	I				$\overline{}$
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758 Althen	10/13/10	1115	5	X		T	$\top$	2			-	21				ΪX		X	Χ					7					$\Box$
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## ATTACHMENT A



# **NON-HAZARDOUS MANIFEST**

	NON HAZARDONE MANUEEST	1. Generator's US EPA	ID No. Ma	anifest Doc I	No.	2. Page 1	of			
	NON-HAZARDOUS MANIFEST					1	1			
	3. Generator's Mailing Address:	Gene	rator's Site Address (II d	ifferent than m	ailing):	A. Manife	est Number			
	MCAS, BEAUFORT					l v	/MNA	0031	.6797	
	LAUREL BAY HOUSING						· · · · · · · · · · · · · · · · · · ·	e Generator		······································
	BEAUFORT, SC 29907									
	4. Generator's Phone 843-22	28-6461								
	5. Transporter 1 Company Name		6. US EPA II	) Number						
	EEG, INC.						ransporter's			
	7. Transporter 2 Company Name		8. US EPA IC	Ni		D. Transp	orter's Phor	ie 843-	-879-042	11
	7. Transporter 2 Company Name		8. US EPA IL	) Number		F State T	ransporter's	ın		
							orter's Phon			
	9. Designated Facility Name and Site	Address	10. US EPA	ID Number						
	HICKORY HILL LANDFILL					G. State F	acility ID			
	2621 LOW COUNTRY ROAD					H. State F	acility Phon	e 843-	987-464	43
	RIDGELAND, SC 29936								***************************************	<del></del>
				T 12.6		<u> </u>	T			
G	11. Description of Waste Materials			No.	Type	13. Total Quantity	14. Unit Wt./Vol.	1. 1	Misc. Comme	ents
E	I a. HEATHNO OIL FAINNSTILLED V	WITH SAND								
N E										
R		e# 102655SC								
A										
T O										
R	120000000000000000000000000000000000000									
	с.									
	d. WM Profile #									
	u.									
	51 11									***************************************
	WM Profile #  J. Additional Descriptions for Materia	als Listed Ahove		K Dispos	al Location	<u> </u>	<u> </u>			
	, and the second second	no ciotad ribora		in Dispose	, Location					
				Cell				Level		
				Grid	2) (4.7				1 / / / .	
	15. Special Handling Instructions and A	Additional Information  → フレフル 3 ペー	then 4		AHA		(4) 1	775 /	11116	14
	D760AHILEA	3766 A1.	*, 1	768	Altho	· 14 - 3				
	Purchase Order #	33 /08 /11	EMERGENCY CON	ITACT / DUO	NE NO :		****			
	16. GENERATOR'S CERTIFICATE:		LWENGENCT CON	TACT / FITO	TVL IVO.,					
	Thereby certify that the above-describe	ad materials are not hav	ardous wastes as define	od hy CER Da	rt 261 or a	ny annlicable	state law l	nave heen fi	illy and	
	accurately described, classified and pac			•				iave been ru	my ariu	
	Printed Name		Signature "On behalf	of"				Month	Day	Year
4					* 1,000					<u> </u>
R	17. Transporter 1 Acknowledgement of Printed Name	Receipt of Materials	T 61						T .	T .,
N	) Andrews	B. L. L. L. L. L.	Signature	1 1				Month	Day	Year
P	18. Transporter 2 Acknowledgement of	f Receipt of Materials	1		اسميد لاستسم					<del></del>
R	Printed Name		Signature					Month	Day	Year
i l										
+	19. Certificate of Final Treatment/Dispo	ncal								L
	I certify, on behalf of the above listed tre		the hest of my knowled	tpe the sho	ve-describ	ed waste wi	is managed	in compliant	ce with all	
	applicable laws, regulations, permits and	•	•	-bc, the abo	-c describ	CO WOOLE WE	manageu	сотпривин	~ vvitil all	
	20. Facility Owner or Operator: Certific			vered by this	manifest.					
1	Printed Name		Signature				***	Month	Day	Year
1	/									/

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



## **Volatile Organic Compounds by GC/MS**

Client: AECOM - Resolution Consultants

Description: BEALB766TW04WG20151118

Laboratory ID: QK18003-017

Date Sampled: 11/18/2015 1440

Matrix: Aqueous

Date Received: 11/19/2015

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

	CAS	Analytical						
Parameter	Number	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
Xvlenes (total)	1330-20-7	8260B	5.0		5.0	0.57	0.32	ua/L 1

Surrogate	Run 1 Q % 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 ND = Not detected at or above the MDL B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40%

H = Out of holding time

Q = Surrogate failure L = LCS/LCSD failure

J = Estimated result < PQL and ≥ MDL Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" N = Recovery is out of criteria

S = MS/MSD failure

## Semivolatile Organic Compounds by GC/MS (SIM)

Client: AECOM - Resolution Consultants

Description: BEALB766TW04WG20151118

Laboratory ID: QK18003-017

Matrix: Aqueous

Date Sampled: 11/18/2015 1440 Date Received: 11/19/2015

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

	CAS	Analytical							
Parameter	Number	Method	Result	Q	LOQ	LOD	DL	Units R	un
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 ND = Not detected at or above the MDL B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40%

H = Out of holding time

Q = Surrogate failure L = LCS/LCSD failure

 $J = Estimated result < PQL and <math>\geq MDL$ Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

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





20 January 2000

2600 Bull Street Columbia, SC 29201-1708

COMMISSIONER: Douglas E. Bryant

United States Marine Corps Air Station

BOARD:

Commanding Officer

Bradford W. Wyche Chairman Attention: S-4 NREAO (A.G. Howard)

....

P.O. Box 55001

William M. Hull, Jr., MD Vice Chairman

Beaufort, SC 29904-5001

Mark B. Kent

Secretary

Re: Initial Asses

Initial Assessment Report dated 01 December 1999

Howard L. Brilliant, MD

766 Althea St./Laurel Bay Family Housing (Site Identification # 01439)

Brian K. Smith

Marine Corps Air Station Beaufort

Rodney L. Grandy

Beaufort, SC Beaufort County

Larry R. Chewning, Jr., DMD

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 Ouality Section

Bureau of Water

cc:

Low Country District EQC



# 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 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)



## Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

Krieg to Drawdy **Attachment to:** 

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 2	432 Elderberry
257 Beech Tank 1 257 Beech Tank 2	436 Elderberry
264 Beech	473 Dogwood Tank 2
265 Beech Tank 2	482 Laurel Bay
265 Beech Tank 2	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

BOARD: Elizabeth M. Hagood Chairman

Mark B. Kent Vice Chairman

Howard L. Brilliant, MD Secretary



Carl L. Brazell Louisiana W. Wright

BOARD:

L. Michael Blackmon

Coleman F. Buckhouse, MD

## C. Earl Hunter, Commissioner Promoting and protecting the health of the public and the environment.

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: MCA

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

Com Knight, Manager

Groundwater Quality Section

Bureau of Water

cc:

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



# 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 <a href="mailto:petruslb@dhec.sc.gov">petruslb@dhec.sc.gov</a> 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)

473 Dogwood Drive 747 Blue Bell Lane 749 Blue Bell Lane 775 Althea Street 1034 Foxglove Street 1104 Iris Lane 1124 Iris Lane
747 Blue Bell Lane 749 Blue Bell Lane 775 Althea Street 1034 Foxglove Street 1104 Iris Lane
775 Althea Street 1034 Foxglove Street 1104 Iris Lane
1034 Foxglove Street 1104 Iris Lane
1034 Foxglove Street 1104 Iris Lane
1104 Iris Lane

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	16
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	
543 Dahlia Drive	1351 Cardinal Lane	

Attachment to: Petrus to Drawdy
Subject: Draft Final Initial Groundwater Investigation Report-November and December 2015
Specific Property Recommendations
Dated June 8, 2016, Page 2