

**LIMITED ENVIRONMENTAL INVESTIGATION  
REPORT**

For the

**WESCOTT PLANTATION RESIDENCE  
5242 LENORA DRIVE  
NORTH CHARLESTON, DORCHESTER COUNTY,  
SOUTH CAROLINA 29456**

Prepared for

**LENNAR HOMES CHARLESTON  
1941 SAVAGE ROAD  
CHARLESTON, SOUTH CAROLINA 29407**

Prepared by

**Professional Service Industries, Inc.  
444 Deanna Lane, Suite A  
Charleston, South Carolina 29492  
Telephone: (843) 884-8300**

**PSI PROJECT NUMBER: 465-75011**

**October 17, 2007**



Adam R. Smith, P.G.  
Environmental Project Manager



Keith A. Ingram, P.E.  
Branch Manager



Gregory J. Mentel, P.E. (MD), P.G. (PA)  
Principal Consultant



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Vice-President

October 17, 2007

Lennar Homes Charleston  
1941 Savage Road, Suite 100-C  
Charleston, South Carolina 29407

Attn: Mr. Robert Hilliard

RE: **Limited Environmental Investigation**  
5242 Lenora Drive  
Westcott Plantation Subdivision  
North Charleston, Dorchester County, South Carolina  
**PSI Project Number 465-75011**

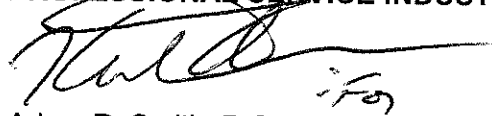
Dear Mr. Hilliard,

In accordance with our agreement dated July 13, 2007, Professional Service Industries, Inc. (PSI) has performed a limited environmental investigation at the above-referenced property.

Thank you for choosing PSI as your consultant for this project. If you have any questions, or if we can be of additional service, please call us at (843) 884-8300.

Respectfully submitted,

**PROFESSIONAL SERVICE INDUSTRIES, INC.**



Adam R. Smith, P.G.  
Project Manager  
Environmental Services

Enclosures

## Executive Summary

The Pebble Creek Village section of the Westcott Plantation residential development consists of single-family dwellings constructed by Lennar Homes Charleston (*Lennar*) starting in 2004. The property at 5242 Lenora Drive (*subject property*) is the subject of this investigation. Odors were detected within the home by the homeowner in the summer of 2006. Several environmental reports were completed for the property and vicinity by various parties. The Site Location Map is included as Figure 1.

In September 2006, Lennar retained Professional Service Industries, Inc. (*PSI*) to conduct an environmental investigation at the property to assess feasible sources of the detected odor and to determine whether the quality of the indoor air at the residence was within acceptable limits as set by the applicable regulatory agencies for residential buildings. Please refer to PSI's Subsurface Exploration Report No. 465-60026-1 (dated September 27, 2006) and PSI's Indoor Air Sampling Report No. 465-60026-2 (dated October 21, 2006) for details. This report is a supplement to those investigations.

While the previous reports supported the conclusion that the source of the odors detected at the residence was primarily from the cracked sewer piping discovered beneath the slab on grade, the purpose of this supplemental investigation is to assess that other potential sources of the odor and its associated gases (primarily methane and traces of various volatile organic compounds (VOCs)) detected at the subject property. The most feasible source of methane (besides the broken sewer pipes) is the presence of sizable volumes of decaying organic matter. The most feasible source of VOCs (besides the storage and handling of everyday, off-the-shelf household products) is the presence of VOC-impacted soil and/or groundwater at the property.

Based on the results of the sampling and analyses of soil, groundwater and soil gas performed at the subject property; there is no evidence of additional or alternative sources of methane or VOCs at the property or in the vicinity of the property that are likely to impact the residence at 5242 Lenora Drive.

Details of these findings are presented in the appropriate sections of this report.



## **Limited Environmental Investigation**

### **Site History & Investigation Scope of Work**

In the fall of 2006, Professional Service Industries, Inc. was contacted by Lennar Homes of Charleston to perform indoor air quality testing to detect the presence of combustible gases (methane and volatile organic compounds) at two (2) homes (5240 and 5242 Lenora Drive) in the Pebble Creek Village subdivision. Test results indicated levels of methane in the interior space of the homes above 10 ppm, and levels of methane above the lower explosive limit beneath the ground floor slab in both homes. The source of the methane was determined to be from leaks in the sub-slab sewer piping that was damaged during construction of the two homes. After the broken sewer piping was repaired and leak tested, PSI installed a sub-slab methane venting system at the homes. The levels of methane below and above the slab returned to normal background levels within several months after installation of the venting system.

In response to concerns voiced to Lennar by a few Pebble Creek Village residents about the unsubstantiated possibility that "hazardous waste" may have been illegally dumped or spilled in the vicinity of the Pebble Creek subdivision, Lennar retained PSI to perform a limited environmental assessment of the area to substantiate this allegation. The scope of PSI's assessment included:

- (1) review of the Phase I Environmental Site Assessment (ESA) conducted at the property in July 2003,
- (2) interviews with local Region 7 representatives of South Carolina Department of Health and Environmental Control (SCDHEC) for information pertaining to the location of landfills or dump sites proximate to the subject property, and to their knowledge of recent impacts to the soils and groundwater in the site vicinity by petroleum products or hazardous substances, and
- (3) conduct subsurface soil, groundwater and soil gas sampling and testing at 5240 and 5242 Lenora Drive for the presence of sources of methane and/or VOCs.

#### **(1) Review of Phase I ESA Report**

Based on our review of the Phase I Environmental Site Assessment Report prepared by ECS, Ltd. (ECS Project No. 14-2030, report dated July 14, 2003), the subject property is located on land that was previously owned by a paper manufacturing company. No paper manufacturing facilities were actually located on the subject property. The subject property was historically used for logging timber and had not been otherwise used or developed prior to construction of the residential subdivision as it appears today.



## **(2) Interviews with Local Environmental Regulatory Agency**

PSI conducted a telephone interview with Mr. Terry Yarborough of SCDHEC regarding the location of environmentally regulated facilities within one mile of Pebble Creek Village. Mr. Yarborough acknowledged that, although there are listed hazardous waste and solid waste sites in the region, to his knowledge none are located within one mile of the subject property, and many are located down gradient from the subject property with respect to the direction of shallow groundwater flow (towards the Ashley River to the south and southeast).

## **(3) Site Exploration for Sources of Methane and VOCs**

### Sampling Methodology For Soil

On July 24 and 25, 2007, PSI performed subsurface soil sampling at 5242 Lenora Drive to search for (1) possible sources of methane gas as indicated by the presence of layers of soil containing organic matter greater than 5% and greater than 1 foot thick, and (2) possible sources of VOCs and Semi-Volatile Organic Compounds (S-VOCs) as indicated by the presence of VOCs or S-VOCs in samples of soil collected and submitted for laboratory analysis.

Nine (9) "deep" soil borings (B-1 thru B-9) were advanced utilizing a direct-push drill rig to depths of up to 20 feet below grade. In addition, 32 "shallow" borings (B-10 thru B-41) were manually advanced using a T-handled bucket auger (hand auger) to depths of up to 5 feet below grade. The locations of the borings are shown on the Soil Boring Location Plan (Figure 2). Borehole locations were chosen at opposite corners and along the perimeter of the home to search for a laterally continuous strata of organic soil or contaminant plume which might possibly be present beneath the building. Boreholes located in the rear yard were positioned to assist with delineation of the vertical and horizontal extent of soils containing organic matter. Boring logs are included in Appendix 2.

Of the nine "deep" borings, four were positioned around the perimeter of the residence, and five (5) were located in the center of the back lawn area. Continuous sampling of the soil was conducted in order to (1) characterize the soil types observed in the boreholes, (2) field screen for methane with an organic vapor analyzer, and (3) collect samples for laboratory analyses.

From the 32 "shallow" borings, soil samples exhibiting visual evidence of possible organic matter (i.e., roots, root hairs, dark color or staining, and organic odor) as observed in the field were selected for organic content testing in PSI's soil laboratory following ASTM Test Method D-2974.

### Soil Characterization

Based on visual examination of the soil samples collected from the boreholes, the soils at the site can generally be classified as inter-layered fine sands and silty fine sands overlying a dense, fine-grained soil, locally referred to as marl. Borings B-1 and B-2,



located at the northwest and southeast corners of the residence, terminated at depths of 20 and 16 feet, respectively, due to sampler refusal in the marl. The average depth to the top of the marl is approximately 16 to 17 feet across the property. The marl is considered to have very low permeability, inhibiting the vertical flow of groundwater.

With regard to soils containing organic matter, no continuous or discontinuous layers of organic soils, as defined above, were observed in any of the nine "deep" borings, except at Boring B-4, located at the rear half of the back yard of the subject property. At B-4, a zone of organic soil was observed from 1 to 8 feet below grade, with Organic Content test results ranging from 13 to 18 percent. As a result of this finding, Borings B-10 thru B-41 were advanced specifically to better delineate the vertical and horizontal extent of the soils containing organic matter in the back yard area of the property.

Based on visual examination and laboratory testing of soil samples collected from all the borings, we have prepared an Organic Soil Location Plan in Figure 2, which indicates the location of soil containing organic matter observed in excess of 5% and at least 12 inches in thickness. The organic content threshold for soil was set at 5% by GS2 Engineering, the Geotechnical Engineer of Record for development of the Pebble Creek Village subdivision.

Please refer to Table 1 – Organic Content of Soil Samples.

#### Field Screening of Soil

A Flame Ionization Detector (FID) was utilized during advancement of the nine "deep" borings in order to screen the soils for elevated levels of methane gas and VOCs as the samples were extracted. The FID device used was a MicroFID, manufactured by Photovac, Inc. (Serial #CZSR308). Grab samples of soil were collected for field screening at approximately one foot depth intervals. No elevated readings were observed, except for one soil sample located at Boring B-5 at a depth of 5 feet below grade, where a dark tan silty fine sand was encountered (organic content = 4.5%). The results of the FID screenings are presented in Table 2.

#### Soil Gas Screening

A total of five (5) soil-gas probes were installed on the subject property to monitor the concentration of methane in the soil at various locations around the residence. The probes were installed immediately adjacent to Borings B-1, B-2, B-3, B-7, and B-9, and were given the designations SGP-1, SGP-2, SGP-3, SGP-7, and SGP-9, respectively.

The methane levels at each soil-gas probe were monitored with the FID for a period of several months. In general, it was observed that elevated methane concentrations were found in the probes located closest to the residence (where methane concentrations beneath the building's interior slab were the highest) and in the probes located adjacent to zones of organic soil. On August 27, 2007, an 8 to 12 inch wide trench was excavated immediately adjacent to the foundation of the residence and was backfilled with clean, porous gravel. The purpose of this trench was to facilitate ventilation of the methane present beneath the structure while the sub-slab venting system for the building was still in operation. With the venting trench in-place, methane that collected in the soil-gas probes would be isolated from the methane venting from the building sub-



slab. Therefore, the results of tests at the probe would be a better indicator of the concentration of methane passing through the soil from the organic soil identified in the rear yard. The results indicated that once the probe was isolated from the methane venting from beneath the home, the methane levels dropped off dramatically. This demonstrates that the methane detected in the probe prior installation of the trench originated from the home and not from the rear yard.

The soil-gas probe monitoring data is presented in Table 3.

#### Laboratory Analyses of Soil

Soil samples were collected from three "deep" borings; B-1 and B-2 adjacent to the house and B-3 in the center of the rear yard. These samples were submitted to Pace Analytical Services, Inc. for analysis by EPA test methods 8270/8260 for VOCs/SemiVOCs, and 6010/7471 for total metals.

No VOC or Semi-VOC contaminants were detected in the laboratory analyses of samples of soil analyzed from borings B-1, B-2 or B-3. Some metals were detected in the soils, as commonly occurs since metals are constituents of particles of rock minerals that make up all soils. The only element detected above the Preliminary Remediation Goals (PRGs) for soil as set by the United States Environmental Protection Agency (US EPA) was arsenic. Arsenic is commonly used in pesticides and insecticides which are routinely applied to lawns around residential homes. Arsenic is regularly detected at low levels above the regulatory limits in soil samples from this region of South Carolina.

Concentrations of compounds or metals detected at each of the soil boring sampling locations are summarized in Table 4. The complete laboratory test report from Pace Analytical Services is included as Appendix 1.

#### Sampling and Laboratory Analyses of Groundwater

Groundwater samples from Borings B-1, B-2 and B-3 were collected by inserting a length of virgin tubing through the direct push probe rod. A peristaltic pump was utilized to bring the groundwater to the surface. The samples were collected from the approximate surface of the water table as it was encountered in the field. A total of five (5) well volumes were purged from each boring before sample collection in order to ensure a representative sample. Following collection, each sample was immediately placed in an iced cooler and transported to an overnight courier for delivery to the laboratory under chain-of-custody documentation. Groundwater samples were not filtered prior to analysis.

Groundwater samples were submitted to Pace Analytical Services, Inc. for analyses by EPA test methods 8270/8260 for VOCs/Semi-VOCs, and 6010/7470 for total metals (unfiltered). No VOC or Semi-VOC parameters were detected in the laboratory analyses performed, with the exception of extremely low levels of acetone in boring B-2. The concentration of acetone detected is not considered significant. Acetone is commonly used to clean or calibrate laboratory equipment, and is a common laboratory-derived contaminant.



Some metals were detected in the laboratory analyses of the unfiltered groundwater samples collected from the borings at the property. Metals are naturally occurring elements, and are not uncommon in unfiltered groundwater samples. If the concentration of dissolved metals in groundwater is desired, resampling of the groundwater would be required; however, based on the lack of VOC and Semi-VOC parameters detected in the groundwater samples collected from the property, as well as the lack of a recognized environmental condition identified with respect to subject property, additional sampling or testing is not warranted at this time.

Concentrations of compounds or metals detected at each of the soil boring sampling locations are summarized in Table 5. The complete laboratory test report from Pace Analytical Services is included as Appendix 1.

### **Conclusions and Recommendations**

Based on the information collected during this limited environmental investigation and the laboratory results, we find no evidence of a potential source of methane gas beneath or proximate to the perimeter of the residence located at 5242 Lenora Drive, with the exception of the previously documented broken sanitary sewer pipe located beneath the slab. The damaged sewer pipe was repaired in 2006.

Our investigation did encounter a subsurface zone of soil containing organic materials in the southern portion of the back yard of the property; however, based on the distance of the identified zone from the residence and the lack of organic soil or methane observed in the soil borings immediately adjacent to the structure, we conclude that the methane gas observed beneath the building slab did not originate from the organic soil observed at the rear of the property.

Regarding the potential for contamination of the property by improper disposal of hazardous substances associated with the former ownership of the property by a paper manufacturing company, or other unreported or unauthorized dumping or spills of hazardous substances or petroleum products at the property, this investigation found that no volatile or semi-volatile organic compounds were detected in the soil or groundwater samples collected at the property. Furthermore, while metals were detected in the soil and unfiltered groundwater samples collected at the property, the levels detected are not uncommon for samples of native soil or unfiltered groundwater in this region of South Carolina. The concentrations of metals detected were compared to the US EPA regulatory standards for drinking water. The metals present in levels above the drinking water standards were detected in very low concentrations, and do not appear to represent evidence of improper waste disposal or usage on the subject property.

Based on the findings of this limited environmental investigation of the subject property, we find no evidence to warrant further investigation at this time.





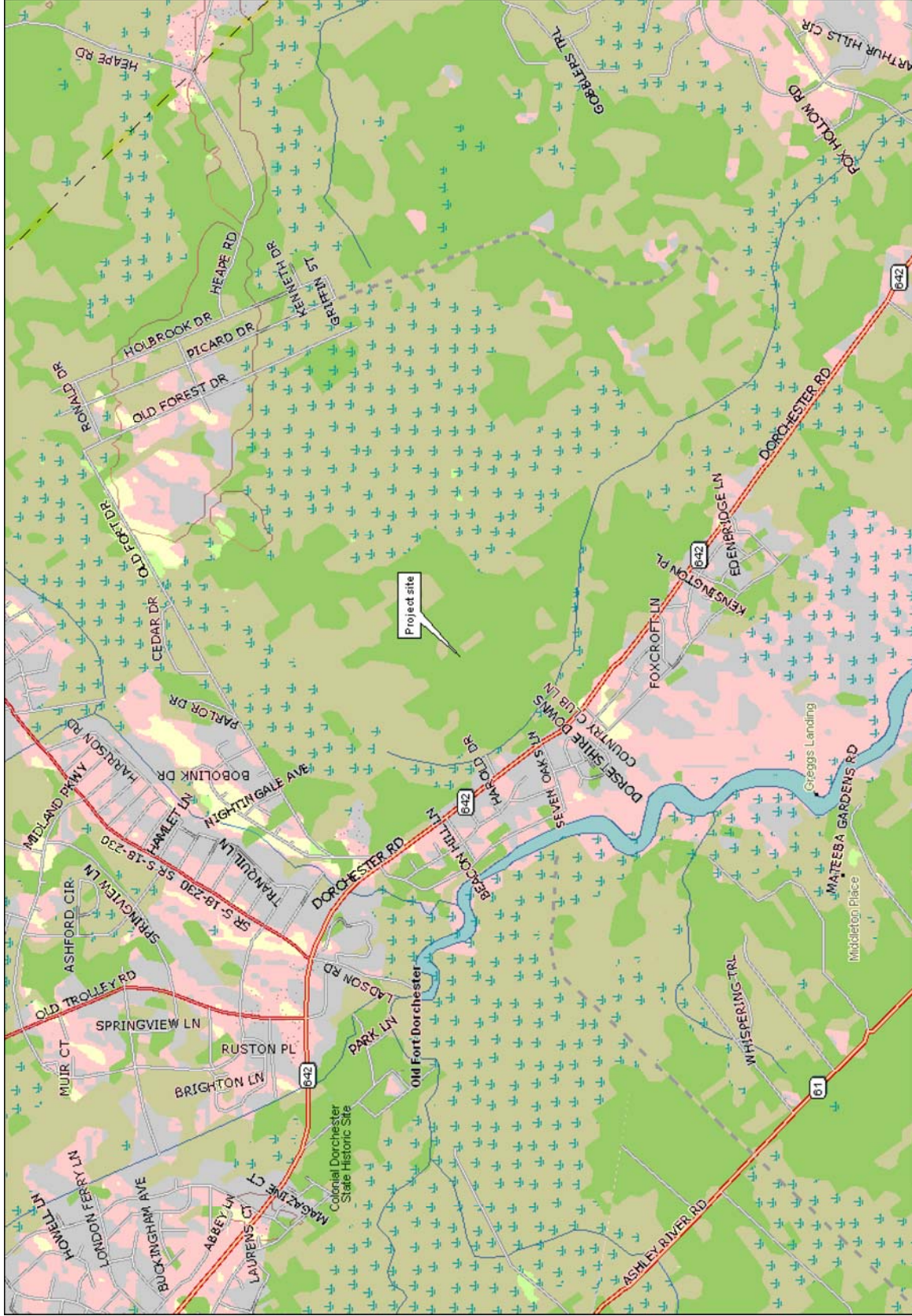
### **Statement of Limitations**

The information provided in this report prepared by PSI for Lennar Homes Charleston is intended exclusively as it pertains to the property at 5242 Lenora Drive at the time the activities were conducted. No unnamed third party shall have the right to rely on this report without the express written consent of PSI, as well as payment of the then current reliance letter fee. The professional services provided have been performed in accordance with practices generally accepted by other appropriate environmental professionals, geologists, hydrogeologists, engineers and environmental scientists practicing in this field and directed by the client. No other warranty, either expressed or implied, is made. PSI is not an insurer and makes no guarantee or warranty that the services supplied will avert or mitigate occurrences, or the consequences of occurrences, that the services are designed to prevent or ameliorate. As with all environmental assessments, there is no guarantee that the work conducted has identified any and all sources or locations of petroleum hydrocarbons or hazardous substances or chemicals in the soil or groundwater. This assessment was based solely on the information provided by Lennar Homes Charleston and the limited soil, groundwater and soil-gas sampling authorized by the client as listed in this report. This report is issued with the understanding that Lennar Homes Charleston is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency, if any.



## FIGURES





**DELORME**  
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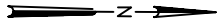
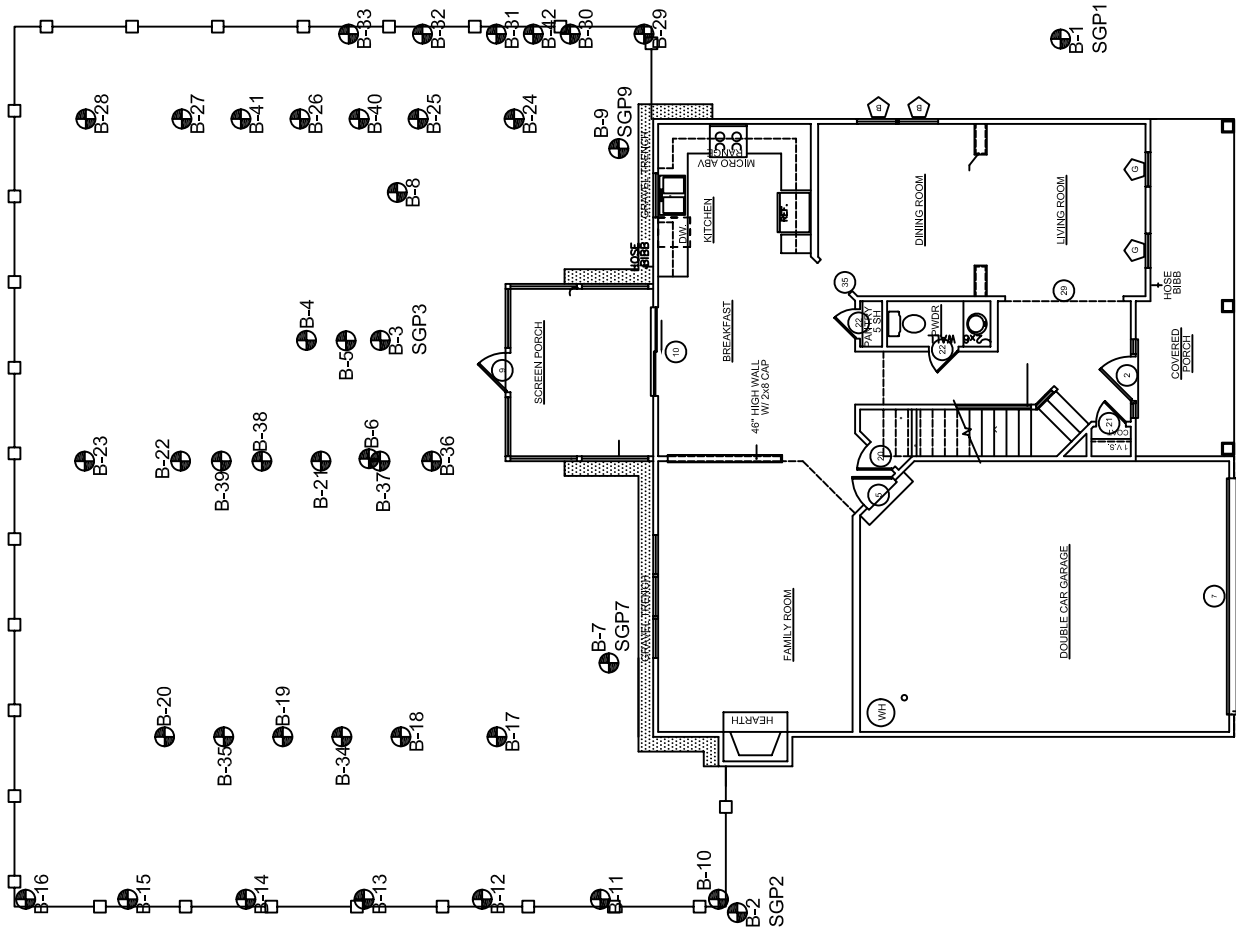
North Arrow  
 MN (7.1° W)

<p><b>TITLE:</b> SITE LOCATION MAP</p>	<p><b>DATE:</b> 10/10/07</p>	<p><b>DRAWN BY:</b> DELORME</p>	<p><b>DRAWING NO:</b> FIGURE 1</p>
<p><b>PROJECT NAME:</b> GEOPROBE INVESTIGATION 5242 LENORA DRIVE NORTH CHARLESTON, DORCHESTER COUNTY, SOUTH CAROLINA</p>	<p><b>SCALE:</b> N.T.S.</p>	<p><b>PROJECT NO:</b> 465-75011</p>	


**GEOTECHNICAL SERVICES**

444 DEANNA LANE STE. A  
 CHARLESTON, SC, 29492  
 Tel (843) 884-8300  
 Fax (843) 884-8390





HOUSE PLAN PROVIDED BY OTHERS

 <b>Information</b> <b>To Build On</b> <b>Engineering • Consulting • Testing</b>	<b>ENVIRONMENTAL SERVICES</b>  444 DEANNA LANE, STE A CHARLESTON, SC 29492 Tel (843) 884-8300 Fax (843) 884-8390	<b>TITLE:</b> <b>SOIL BORING LOCATION</b> <b>PLAN</b>	<b>DATE:</b> 10/10/07	<b>DRAWN BY:</b> <b>KAI</b>	<b>DRAWING NO:</b> <b>FIGURE 2</b>
		<b>PROJECT NAME:</b> GEOPROBE INVESTIGATION 5242 LENORA DRIVE NORTH CHARLESTON, SOUTH CAROLINA	<b>SCALE:</b> 1"=13'	<b>PROJECT NO:</b> 465-75011	

**psi** Information  
To Build On  
Engineering • Consulting • Testing

**LENORA DRIVE**



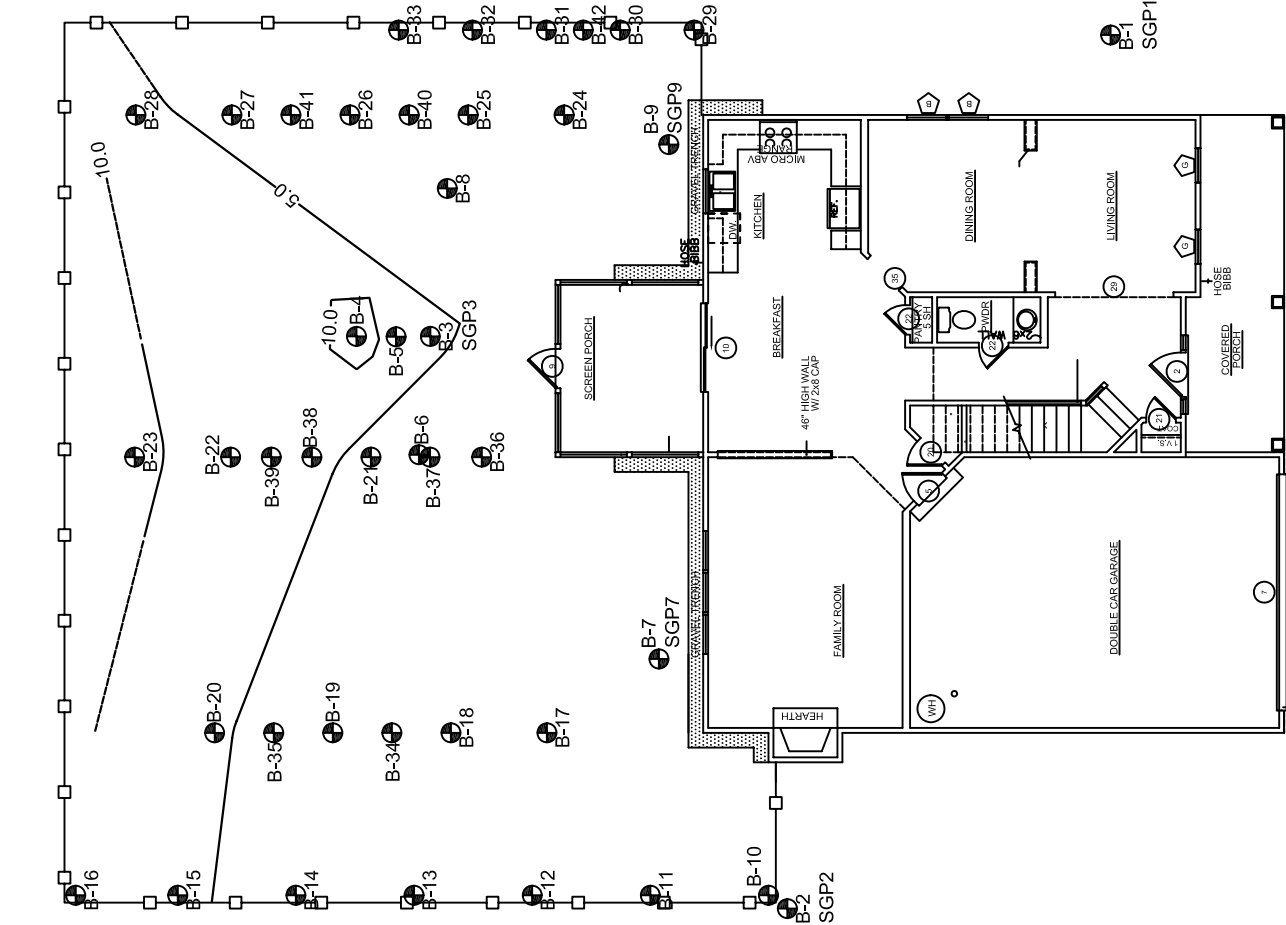
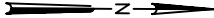
Soil Gas Probe Readings by FID						
Date	SGP1 (PPM)	SGP2 (PPM)	SGP3 (PPM)	SGP7 (PPM)	SGP9 (PPM)	
7/26/2007	55.5	20.0	0.0	0.0	3688+	
8/1/2007	0.0	0.0	0.0	52.7	3688+	
8/7/2007	0.0	3688.0	3688.0	94.2	3688+	
8/10/2007	190.0	3688+	0.0	3688+	3688+	
8/13/2007	65.0	4188+	4188+	4188+	4188+	
8/20/2007	67.9	3688+	3688+	3688+	3688+	
8/22/2007	60.8	3688+	3688+	3688+	3688+	
8/30/2007*	0.0	0.0	4369+	0.0	0.0	
9/4/2007	2030.0	4369+	4369+	80.0	0.0	
9/6/2007	0.0	2060.0	4369+	0.0	0.0	
9/10/2007	10.0	4369+	4369+	0.0	0.0	
9/13/2007	320.0	4369+	4369+	0.0	1080.0	
9/18/2007	0.0	0.0	4369+	0.0	4369+	
9/19/2007	0.0	0.0	4369+	0.0	4369+	
9/24/2007**	0.0	4369+	4369+	0.0	300.0	
9/28/2007	0.0	4369+	2670.0	0.0	0.0	
10/1/2007	0.0	0.0	0.0	0.0	0.0	
10/5/2007	250.0	3870.0	0.0	0.0	0.0	
10/6/2007	545.0	4175.0	1877.0	0.0	0.0	
10/8/2007	50.0	2275.0	4734+	0.0	0.0	
10/9/2007	0.0	3.0	3870+	0.0	0.0	
10/11/2007	0.0	3870+	3870+	0.0	0.0	
*Trench installed						
**Readings taken after venting SGP						

LEL READINGS						
Date	SGP1 %LEL	SGP2 %LEL	SGP3 %LEL	SGP7 %LEL	SGP9 %LEL	
9/19/2007	0	0	11	0	25	
9/24/2007*	0	18	100	0	0	
9/26/2007	0	17	100	0	0	
9/28/2007	0	13	0	0	0	
10/1/2007	0	0	0	0	0	
10/5/2007	0	9	0	0	0	
10/6/2007	0	7	3	0	0	
10/8/2007	0	2	100	0	0	
10/9/2007	0	0	49	0	0	
10/11/2007	1	4	27	0	0	
*Readings taken after venting SGP						

5240 LENORA DRIVE

LEGEND

————5.0—— ORGANIC CONTENT (%)  
GREATER THAN 1 FOOT THICK



Boring #	Organic Content (%)	Layer of Organics*
1	3.2	4' to 5'
2	4.1	4' to 5'
3	4.9	4' to 5'
4	13.7	1' to 2'
	17.9	6' to 8'
5	4.5	4' to 5'
6	2.4	1' to 2'
7	4.6	4' to 5'
	12.8	1' to 2'
8	3.0	5' to 6'
	2.8	8' to 9'
9	5.2	1' to 2'
10	3.6	1.5' to 3.5'
11	—	N.O.
12	—	N.O.
13	3.4	1.5' to 2'
14	—	N.O.
15	8.1	0' to 4'
16	6.8	0' to 2'
17	3.6	1' to 2'
18	5.4	1.5' to 2'
19	—	N.O.
20	6.8	0' to 3.5'
21	—	N.O.
22	8.8	0' to 4'
23	11.3	0' to 4'
24	4.0	0' to 2'
25	—	N.O.
26	—	N.O.
27	—	N.O.
28	4.5	2' to 3'
29	—	N.O.
30	—	N.O.
31	6.8	0.5' to 1'
32	3.5	2' to 3'
33	2.9	1' to 2'
34	—	N.O.
35	—	N.O.
36	5.8	1.5' to 2'
37	6.0	1' to 2'
38	9.8	0' to 4'
39	—	N.O.
40	2.2	2' to 3'
41	3.3	1' to 2'
42	3.7	1' to 2'
*Depth to top and bottom of layer containing organic material.		



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TITLE: ENVIRONMENTAL SERVICES

PROJECT NAME:

GEOPROBE INVESTIGATION  
5242 LENORA DRIVE  
NORTH CHARLESTON,  
SOUTH CAROLINA

PROJECT NO:

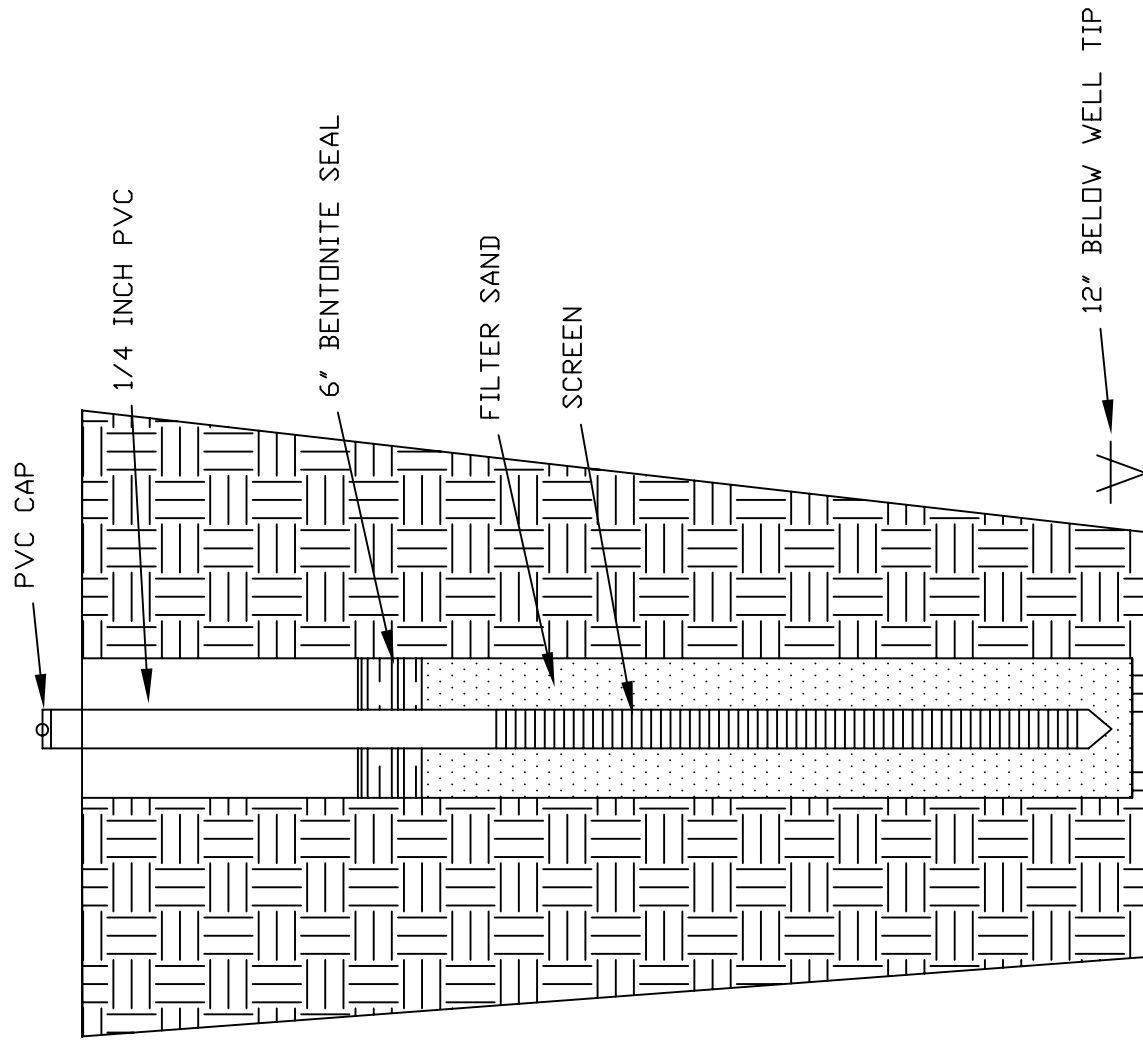
465-75011

DATE: 10/10/07

DRAWN BY: KAI

DRAWING NO: FIGURE 3

LENORA DRIVE



**GEOTECHNICAL SERVICES**

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TITLE: SOIL GAS PROBE  
CONSTRUCTION DIAGRAM

PROJECT NAME:  
GEOPROBE INVESTIGATION  
5242 LENORA DRIVE  
NORTH CHARLESTON, SOUTH  
CAROLINA

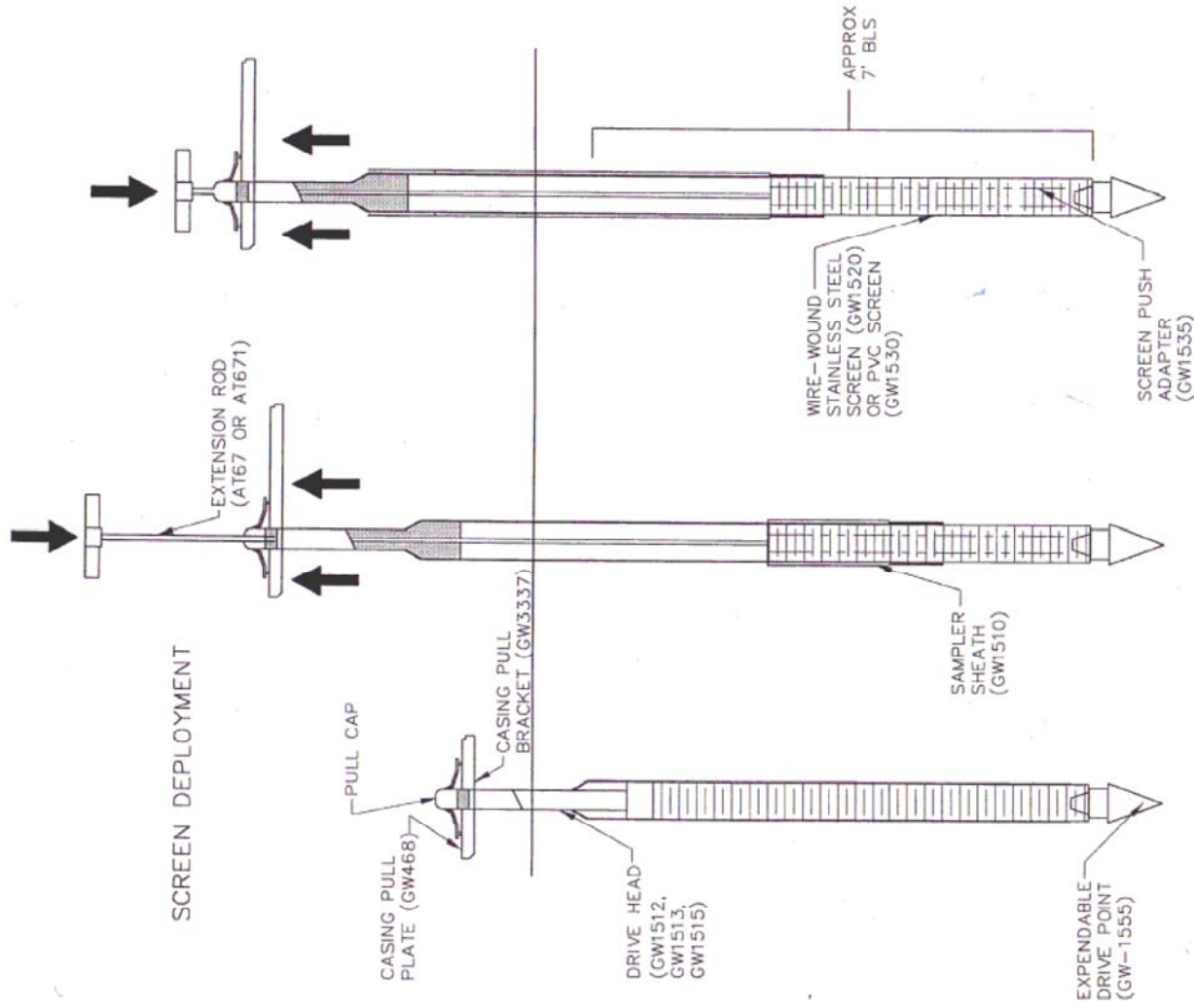
DATE: 10/10/07

DRAWN BY: KAI

DRAWING NO: FIGURE 4

SCALE: N.T.S.

PROJECT NO: 465-75011



# GEOTECHNICAL SERVICES

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## TITLE: GEOPROBE SCHEMATIC DIAGRAM

PROJECT NAME:  
 GEOPROBE INVESTIGATION  
 5242 LENORA DRIVE  
 NORTH CHARLESTON,  
 DORCHESTER COUNTY, SOUTH  
 CAROLINA

DATE: 10/10/07  
 DRAWN BY: OTHERS

DRAWING NO: FIGURE 5

SCALE: N.T.S.  
 PROJECT NO: 465-75011

## TABLES





**Table 1**  
**Organic Content of Soil Samples**

Boring #	Organic Content (%)	Layer of Organics*
1	3.2	4' to 5'
2	4.1	4' to 5'
3	4.9	4' to 5'
4	13.7	1' to 2'
	17.9	6' to 8'
5	4.5	4' to 5'
6	2.4	1' to 2'
7	4.6	4' to 5'
8	12.8	1' to 2'
	3.0	5' to 6'
	2.8	8' to 9'
9	5.2	1' to 2'
10	3.6	1.5' to 3.5'
11	—	N.O.
12	—	N.O.
13	3.4	1.5' to 2'
14	—	N.O.
15	8.1	0' to 4'
16	6.8	0' to 2'
17	3.6	1' to 2'
18	5.4	1.5' to 2'
19	—	N.O.
20	6.8	0' to 3.5'
21	—	N.O.
22	8.8	0' to 4'
23	11.3	0' to 4'
24	4.0	0' to 2'
25	—	N.O.
26	—	N.O.
27	—	N.O.
28	4.5	2' to 3'
29	—	N.O.
30	—	N.O.
31	6.8	0.5' to 1'
32	3.5	2' to 3'
33	2.9	1' to 2'
34	—	N.O.
35	—	N.O.
36	5.8	1.5' to 2'
37	6.0	1' to 2'
38	9.8	0' to 4'
39	—	N.O.
40	2.2	2' to 3'
41	3.3	1' to 2'
42	3.7	1' to 2'

Note: \*Depth to top and bottom of layer containing organic material.

Notes: 1) Sample depths in feet below land surface (BLS)  
2) N.O. = No Organics



**Table 2**  
**Summary of FID Soil Screening Results**

Sample Depth	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9
0	0	0	21.0	0	8.0	0	0	0	0
1	NS	NS	NS	NS	NS	NS	NS	NS	16
4	0	0	104.0	111.0	0	0	89	75	0
5	NS	NS	NS	NS	2678	NS	NS	NS	NS
8	0	0	0	7.9	0	0	0	0	0
12	0	0	0	NS	0	0	0	0	0

Notes: 1) Units are in parts per million/ppm.  
2) Sample depths in feet below land surface (BLS)  
3) NS = Not Sampled



**Table 3**  
**Summary of Soil-Gas Probe Monitoring Results**

Date	SGP1	SGP2	SGP3	SGP4	SGP5
7/26/07	55.5	20.0	0	0	3688+
8/1/07	0	0	0	52.7	3688+
8/7/07	0	3688+	3688.0	94.2	3688+
8/10/07	190.0	3688+	0	3688+	3688+
8/13/07	65.0	4188+	4188+	4188+	4188+
8/20/07	67.9	3688+	3688+	3688+	3688+
8/22/07	60.8	3688+	3688+	3688+	3688+
<b>Trench Installed</b>					
8/30/07	0	0	4369+	0	0
9/4/07	2030.0	4369+	4369+	80.0	0
9/6/07	0	2060.0	4369+	0	0
9/10/07	10.0	4369+	4369+	0	0
9/13/07	320.0	4369+	4369+	0	1080.0
9/18/07	0	0	4369+	0	4369+
9/19/07	0	0	4369+	0	4369+
<b>Probe caps removed</b>					
9/24/07	0	4369+	4369+	0	300.0
9/28/07	0	4369+	2670.0	0	0
10/1/07	0	0	0	0	0
10/5/07	250.0	3870.0	0	0	0
10/6/07	545.0	4175.0	1877.0	0	0
10/8/07	50.0	2275.0	4734+	0	0
10/9/07	0	3.0	3870+	0	0

Notes: 1) All values in parts per million (ppm).  
 2) "xxxxx+" indicates a value in excess of the limits of the FID  
 3) All readings performed utilizing a PhotoVac MicroFID meter



**Table 4**  
**Summary of Soil Sampling Results**

	B-1 (-0.5)	B-1 (-3)	B-1 (-5)	B-1 (-20)	B-2 (-0.5)	B-2 (-4)	B-2 (-8)	B-2 (-20)	B-3 (-8)	B-3 (-13)	PRG
Aluminum	6000	8200	7000	3000	6900	11000	6300	1800	5300	3000	76000
Antimony	ND	ND	ND	2.2	1.8	ND	ND	ND	ND	1.4	31
Arsenic	<b>2.4</b>	<b>4.8</b>	<b>5.9</b>	<b>14</b>	<b>4.5</b>	<b>5.2</b>	<b>1.8</b>	<b>2.4</b>	<b>1.4</b>	<b>12</b>	0.39
Barium	36	29	61	9.4	52	51	65	13	110	6.8	5400
Beryllium	0.27	0.15	0.94	0.46	2.0	0.23	0.43	0.26	0.68	0.20	150
Boron	3.0	ND	ND	26	3.3	ND	2.6	3.2	2.0	12	16000
Cadmium	0.2	0.35	0.43	0.9	1.9	0.32	ND	0.40	ND	1.1	37
Calcium	2600	150	1700	220K	1400	410	820	10K	990	290K	NA
Chromium	11	10	15	53	13	14	12	7.3	7.7	53	210
Cobalt	ND	ND	ND	ND	0.83	ND	ND	ND	ND	ND	900
Copper	0.8	ND	0.63	4.4	3.4	ND	1.6	1.3	0.88	5.3	3100
Iron	5300	12000	12000	3900	7400	9900	3500	1600	1000	3400	23000
Lead	5.3	10	7.3	1.4	9.3	12	7.2	1.9	6.8	0.78	400
Magnesium	180	170	260	2900	260	360	290	220	170	2400	NA
Manganese	5.3	1.8	3.9	86	20	4.4	4.9	11	2.2	92	1800
Molybdenum	0.64	0.83	0.67	16	2.4	0.96	0.98	0.87	0.78	9.5	390
Nickel	1.2	ND	.068	20	3.0	0.84	1.1	2.7	0.82	20	1600
Potassium	110	ND	230	2400	190	150	180	140	120	1400	NA
Selenium	ND	ND	ND	5.0	ND	ND	ND	1.2	ND	5.0	390
Sodium	ND	ND	ND	3700	ND	ND	ND	200	ND	2500	NA
Silicon	1300	1200	1400	3400	1100	1200	1200	1400	1400	2600	NA
Silver	ND	ND	ND	ND	0.59	ND	ND	ND	ND	ND	390
Strontium	77	50	170	560	68	44	88	64	210	490	47000
Thallium	ND	ND	ND	1.9	1.9	ND	ND	ND	ND	1.0	5.2
Tin	2.7	3.2	3.0	2.4	4.5	3.1	2.9	2.9	2.9	1.9	47000
Titanium	31	30	38	68	38	33	36	24	29	75	100000
Vanadium	9.7	18	20	30	16	34	6.3	7.1	3.1	37	78
Zinc	4.5	1.4	4.5	40	7.4	3.7	6.0	8.9	8.6	46	23000
Mercury	.021	0.030	ND	0.025	0.020	0.023	0.022	ND	0.011	0.014	23
Acetone	ND	ND	ND	ND	ND	ND	ND	0.19	ND	ND	14000
Benzene	ND	ND	ND	ND	ND	ND	ND	.0093	ND	ND	64
Toluene	ND	ND	ND	ND	ND	ND	ND	.0063	ND	ND	520

- Notes: 1) PRG: EPA Region 9 Preliminary Remedial Goal for residential soil (in parts per million/ppm).  
2) ND: Not Detected.  
3) NA: No PRG set by US EPA  
4) Only compounds detected above the laboratory detection limits are included in this table.  
5) Contaminants in **Bold** were detected above the US EPA PRG

**Table 5**  
**Summary of Groundwater Sampling Results**

	B-1	B-2	B-3	MCL	SDWR
Aluminum	<b>4.6</b>	<b>1,100</b>	<b>1,300</b>	NA	0.2
Arsenic	<b>0.024</b>	<b>0.880</b>	<b>0.780</b>	0.01	NA
Barium	0.041	<b>7,800</b>	<b>8.4</b>	2	NA
Beryllium	ND	<b>0.170</b>	<b>0.110</b>	0.004	NA
Boron	0.064	ND	ND	NA	NA
Cadmium	ND	<b>0.410</b>	<b>0.084</b>	0.005	NA
Calcium	31	1,300	1,500	NA	NA
Chromium	0.023	<b>3</b>	<b>2.2</b>	0.1	NA
Cobalt	ND	0.400	0.770	NA	NA
Copper	0.010	1	0.620	1.3	NA
Iron	<b>16</b>	<b>1,100</b>	<b>910</b>	NA	0.3
Lead	ND	<b>0.990</b>	<b>0.910</b>	0.015	NA
Magnesium	2	51	86	NA	NA
Manganese	<b>0.130</b>	<b>5.1</b>	<b>12</b>	NA	0.05
Molybdenum	0.017	0.280	0.210	NA	NA
Nickel	0.018	0.860	0.490	NA	NA
Potassium	ND	66	ND	NA	NA
Selenium	ND	<b>0.610</b>	ND	0.05	NA
Silicon	11	240	220	NA	NA
Sodium	9.4	53	54	NA	NA
Strontium	0.16	13	38	NA	NA
Thallium	ND	<b>0.038</b>	<b>0.016</b>	0.002	NA
Tin	ND	0.042	0.038	NA	NA
Titanium	0.048	0.580	0.490	NA	NA
Total Hardness	85	3,200	2,200	NA	NA
Vanadium	0.051	3.0	1.7	NA	NA
Zinc	0.043	2.7	2	NA	5
Mercury	ND	<b>0.0084</b>	<b>0.0032</b>	0.002	NA
Acetone	ND	0.055	ND	NA	NA

- Notes: 1) MCL: Maximum Contaminant Level for Drinking Water per US EPA (in parts per million/ppm).  
2) ND: Not Detected  
3) Only compounds detected above the laboratory detection limits are included in this table.  
4) SDWR: National Secondary Drinking Water Regulations per US EPA. SDWRs are non-enforceable standards.  
5) NA: Not regulated in the database indicated  
6) Contaminants in **Bold** were detected above the MCL or SDWR  
7) Samples were not filtered. Values represent total metals.



## **APPENDIX 1**

### **Laboratory Results**





**Pace Analytical Services, Inc.**  
9800 Kincey Avenue, Suite 100  
Huntersville, NC 28078  
Phone: 704.875.9092  
Fax: 704.875.9091

August 06, 2007

Mr. Adam Smith  
PSI, Inc.  
P.O. Box 60992  
North Charleston, SC 29419

RE: Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Dear Mr. Smith:

Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

The results relate only to samples in this report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Andy Stevens  
andy.stevens@pacelabs.com  
Project Manager

Enclosures

Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Solid results are reported on a dry weight basis

Lab Sample No: 928680206

Project Sample Number: 92149570-001

Date Collected: 07/24/07 10:10

Client Sample ID: B-1 (0.5)

Matrix: Soil

Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### Metals

##### Metals, Trace ICP

Prep/Method: EPA 3050 / EPA 6010

Aluminum	6000	mg/kg	11.	1.1	07/29/07 00:43	JDA1	7429-90-5		
Antimony	ND	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-36-0		
Arsenic	2.4	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-38-2		
Barium	36.	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-39-3		
Beryllium	0.27	mg/kg	0.11	1.1	07/29/07 00:43	JDA1	7440-41-7		
Boron	3.0	mg/kg	1.1	1.1	07/29/07 00:43	JDA1	7440-42-8		
Cadmium	0.20	mg/kg	0.11	1.1	07/29/07 00:43	JDA1	7440-43-9		
Calcium	2600	mg/kg	11.	1.1	07/29/07 00:43	JDA1	7440-70-2		
Chromium	11.	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-47-3		
Cobalt	ND	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-48-4		
Copper	0.80	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-50-8		
Iron	5300	mg/kg	5.4	1.1	07/29/07 00:43	JDA1	7439-89-6		
Lead	5.3	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7439-92-1		
Magnesium	180	mg/kg	11.	1.1	07/29/07 00:43	JDA1	7439-95-4		
Manganese	5.3	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7439-96-5		
Molybdenum	0.64	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7439-98-7		
Nickel	1.2	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-02-0		
Potassium	110	mg/kg	110	1.1	07/29/07 00:43	JDA1	7440-09-7		
Selenium	ND	mg/kg	1.1	1.1	07/29/07 00:43	JDA1	7782-49-2		
Silicon	1300	mg/kg	11.	1.1	07/29/07 00:43	JDA1	7440-21-3		
Silver	ND	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-22-4		
Sodium	ND	mg/kg	110	1.1	07/29/07 00:43	JDA1	7440-23-5		
Strontium	77.	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-24-6		
Thallium	ND	mg/kg	1.1	1.1	07/29/07 00:43	JDA1	7440-28-0		
Tin	2.7	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-31-5		
Titanium	31.	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-32-6		
Vanadium	9.7	mg/kg	0.54	1.1	07/29/07 00:43	JDA1	7440-62-2		
Zinc	4.5	mg/kg	1.1	1.1	07/29/07 00:43	JDA1	7440-66-6		
Date Digested	07/27/07 12:05				07/27/07 12:05				

##### Mercury, CVAAS, in Soil

Method: EPA 7471

Mercury	0.021	mg/kg	0.0043	0.9	07/31/07 14:00	JMW	7439-97-6		
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#### Wet Chemistry

Percent Moisture

Method: % Moisture

Percent Moisture

7.2 %

1.0 07/28/07 13:49 TNM

Date: 08/06/07

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680206 Project Sample Number: 92149570-001 Date Collected: 07/24/07 10:10  
Client Sample ID: B-1 (0.5) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	83-32-9		
Acenaphthylene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	208-96-8		
Anthracene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	56-55-3		
Benzoic acid	ND	ug/kg	1800	1.1	07/30/07 16:54	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	710	1.1	07/30/07 16:54	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	360	1.1	07/30/07 16:54	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	360	1.1	07/30/07 16:54	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	710	1.1	07/30/07 16:54	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	710	1.1	07/30/07 16:54	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	360	1.1	07/30/07 16:54	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	360	1.1	07/30/07 16:54	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	360	1.1	07/30/07 16:54	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	360	1.1	07/30/07 16:54	BET	7005-72-3		
Chrysene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	53-70-3		
Dibenzofuran	ND	ug/kg	360	1.1	07/30/07 16:54	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	710	1.1	07/30/07 16:54	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	120-83-2		
Diethylphthalate	ND	ug/kg	360	1.1	07/30/07 16:54	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	360	1.1	07/30/07 16:54	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	360	1.1	07/30/07 16:54	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	1800	1.1	07/30/07 16:54	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	360	1.1	07/30/07 16:54	BET	117-84-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680206 Project Sample Number: 92149570-001 Date Collected: 07/24/07 10:10  
Client Sample ID: B-1 (0.5) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	360	1.1	07/30/07 16:54	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	360	1.1	07/30/07 16:54	BET	117-81-7		
Fluoranthene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	206-44-0		
Fluorene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	77-47-4		
Hexachloroethane	ND	ug/kg	360	1.1	07/30/07 16:54	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	193-39-5		
Isophorone	ND	ug/kg	360	1.1	07/30/07 16:54	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	360	1.1	07/30/07 16:54	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET			
Naphthalene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	1800	1.1	07/30/07 16:54	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	1800	1.1	07/30/07 16:54	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	1800	1.1	07/30/07 16:54	BET	100-01-6		
Nitrobenzene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	1800	1.1	07/30/07 16:54	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	360	1.1	07/30/07 16:54	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	360	1.1	07/30/07 16:54	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	1800	1.1	07/30/07 16:54	BET	87-86-5		
Phenanthrene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	85-01-8		
Phenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	108-95-2		
Pyrene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	360	1.1	07/30/07 16:54	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	360	1.1	07/30/07 16:54	BET	88-06-2		
Nitrobenzene-d5 (S)	50	%		1.0	07/30/07 16:54	BET	4165-60-0		
2-Fluorobiphenyl (S)	47	%		1.0	07/30/07 16:54	BET	321-60-8		
Terphenyl-d14 (S)	57	%		1.0	07/30/07 16:54	BET	1718-51-0		
Phenol-d5 (S)	56	%		1.0	07/30/07 16:54	BET	4165-62-2		
2-Fluorophenol (S)	48	%		1.0	07/30/07 16:54	BET	367-12-4		
2,4,6-Tribromophenol (S)	52	%		1.0	07/30/07 16:54	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680206  
Client Sample ID: B-1 (0.5)

Project Sample Number: 92149570-001  
Matrix: Soil

Date Collected: 07/24/07 10:10  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	110	1.1	08/01/07 03:26	DLK	67-64-1		
Benzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	71-43-2		
Bromobenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	75-27-4		
Bromoform	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	75-25-2		
Bromomethane	ND	ug/kg	11.	1.1	08/01/07 03:26	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	110	1.1	08/01/07 03:26	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	108-90-7		
Chloroethane	ND	ug/kg	11.	1.1	08/01/07 03:26	DLK	75-00-3		
Chloroform	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	67-66-3		
Chloromethane	ND	ug/kg	11.	1.1	08/01/07 03:26	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	106-93-4		
Dibromomethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	11.	1.1	08/01/07 03:26	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	10061-02-6		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680206  
Client Sample ID: B-1 (0.5)

Project Sample Number: 92149570-001  
Matrix: Soil

Date Collected: 07/24/07 10:10  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	87-68-3		
2-Hexanone	ND	ug/kg	56.	1.1	08/01/07 03:26	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	99-87-6		
Methylene chloride	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.	1.1	08/01/07 03:26	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	1634-04-4		
Naphthalene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	103-65-1		
Styrene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	127-18-4		
Toluene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	79-00-5		
Trichloroethene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	56.	1.1	08/01/07 03:26	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	11.	1.1	08/01/07 03:26	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	11.	1.1	08/01/07 03:26	DLK			
o-Xylene	ND	ug/kg	5.6	1.1	08/01/07 03:26	DLK	95-47-6		
Toluene-d8 (S)	100	%		1.0	08/01/07 03:26	DLK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	08/01/07 03:26	DLK	460-00-4		
Dibromofluoromethane (S)	105	%		1.0	08/01/07 03:26	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	122	%		1.0	08/01/07 03:26	DLK	17060-07-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680214  
Client Sample ID: B-1 (.3)

Project Sample Number: 92149570-002  
Matrix: Soil

Date Collected: 07/24/07 10:15  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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## Metals

Metals, Trace ICP									
Prep/Method: EPA 3050 / EPA 6010									
Aluminum	8200	mg/kg	13.	1.2	07/29/07 00:55	JDA1	7429-90-5		
Antimony	ND	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-36-0		
Arsenic	4.8	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-38-2		
Barium	29.	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-39-3		
Beryllium	0.15	mg/kg	0.13	1.2	07/29/07 00:55	JDA1	7440-41-7		
Boron	ND	mg/kg	1.3	1.2	07/29/07 00:55	JDA1	7440-42-8		
Cadmium	0.35	mg/kg	0.13	1.2	07/29/07 00:55	JDA1	7440-43-9		
Calcium	150	mg/kg	13.	1.2	07/29/07 00:55	JDA1	7440-70-2		
Chromium	10.	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-47-3		
Cobalt	ND	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-48-4		
Copper	ND	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-50-8		
Iron	12000	mg/kg	6.3	1.2	07/29/07 00:55	JDA1	7439-89-6		
Lead	10.	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7439-92-1		
Magnesium	170	mg/kg	13.	1.2	07/29/07 00:55	JDA1	7439-95-4		
Manganese	1.8	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7439-96-5		
Molybdenum	0.83	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7439-98-7		
Nickel	ND	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-02-0		
Potassium	ND	mg/kg	130	1.2	07/29/07 00:55	JDA1	7440-09-7		
Selenium	ND	mg/kg	1.3	1.2	07/29/07 00:55	JDA1	7782-49-2		
Silicon	1200	mg/kg	13.	1.2	07/29/07 00:55	JDA1	7440-21-3		
Silver	ND	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-22-4		
Sodium	ND	mg/kg	130	1.2	07/29/07 00:55	JDA1	7440-23-5		
Strontium	50.	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-24-6		
Thallium	ND	mg/kg	1.3	1.2	07/29/07 00:55	JDA1	7440-28-0		
Tin	3.2	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-31-5		
Titanium	30.	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-32-6		
Vanadium	18.	mg/kg	0.63	1.2	07/29/07 00:55	JDA1	7440-62-2		
Zinc	1.4	mg/kg	1.3	1.2	07/29/07 00:55	JDA1	7440-66-6		
Date Digested	07/27/07 12:05			07/27/07 12:05					

Mercury, CVAAS, in Soil									
Method: EPA 7471									
Mercury	0.030	mg/kg	0.0070	1.4	07/31/07 14:03	JMW	7439-97-6		

## Wet Chemistry

Percent Moisture									
Method: % Moisture									
Percent Moisture	20.2	%		1.0	07/28/07 13:49	TNM			

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680214 Project Sample Number: 92149570-002 Date Collected: 07/24/07 10:15  
Client Sample ID: B-1 (.3) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	83-32-9		
Acenaphthylene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	208-96-8		
Anthracene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	56-55-3		
Benzoic acid	ND	ug/kg	2100	1.2	07/30/07 17:17	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	830	1.2	07/30/07 17:17	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	410	1.2	07/30/07 17:17	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	410	1.2	07/30/07 17:17	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	830	1.2	07/30/07 17:17	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	830	1.2	07/30/07 17:17	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	410	1.2	07/30/07 17:17	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	410	1.2	07/30/07 17:17	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	410	1.2	07/30/07 17:17	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	410	1.2	07/30/07 17:17	BET	7005-72-3		
Chrysene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	53-70-3		
Dibenzofuran	ND	ug/kg	410	1.2	07/30/07 17:17	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	830	1.2	07/30/07 17:17	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	120-83-2		
Diethylphthalate	ND	ug/kg	410	1.2	07/30/07 17:17	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	410	1.2	07/30/07 17:17	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	410	1.2	07/30/07 17:17	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2100	1.2	07/30/07 17:17	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	410	1.2	07/30/07 17:17	BET	117-84-0		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680214 Project Sample Number: 92149570-002 Date Collected: 07/24/07 10:15  
Client Sample ID: B-1 (.3) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	410	1.2	07/30/07 17:17	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	410	1.2	07/30/07 17:17	BET	117-81-7		
Fluoranthene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	206-44-0		
Fluorene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	77-47-4		
Hexachloroethane	ND	ug/kg	410	1.2	07/30/07 17:17	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	193-39-5		
Isophorone	ND	ug/kg	410	1.2	07/30/07 17:17	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	410	1.2	07/30/07 17:17	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET			
Naphthalene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.2	07/30/07 17:17	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.2	07/30/07 17:17	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.2	07/30/07 17:17	BET	100-01-6		
Nitrobenzene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.2	07/30/07 17:17	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	410	1.2	07/30/07 17:17	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	410	1.2	07/30/07 17:17	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.2	07/30/07 17:17	BET	87-86-5		
Phenanthrene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	85-01-8		
Phenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	108-95-2		
Pyrene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:17	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	410	1.2	07/30/07 17:17	BET	88-06-2		
Nitrobenzene-d5 (S)	43	%		1.0	07/30/07 17:17	BET	4165-60-0		
2-Fluorobiphenyl (S)	39	%		1.0	07/30/07 17:17	BET	321-60-8		
Terphenyl-d14 (S)	54	%		1.0	07/30/07 17:17	BET	1718-51-0		
Phenol-d5 (S)	52	%		1.0	07/30/07 17:17	BET	4165-62-2		
2-Fluorophenol (S)	44	%		1.0	07/30/07 17:17	BET	367-12-4		
2,4,6-Tribromophenol (S)	40	%		1.0	07/30/07 17:17	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680214  
Client Sample ID: B-1 (.3)

Project Sample Number: 92149570-002  
Matrix: Soil

Date Collected: 07/24/07 10:15  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	110	1.1	08/01/07 03:45	DLK	67-64-1		
Benzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	71-43-2		
Bromobenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	75-27-4		
Bromoform	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	75-25-2		
Bromomethane	ND	ug/kg	11.	1.1	08/01/07 03:45	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	110	1.1	08/01/07 03:45	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	108-90-7		
Chloroethane	ND	ug/kg	11.	1.1	08/01/07 03:45	DLK	75-00-3		
Chloroform	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	67-66-3		
Chloromethane	ND	ug/kg	11.	1.1	08/01/07 03:45	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	106-93-4		
Dibromomethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	11.	1.1	08/01/07 03:45	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	10061-02-6		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680214  
Client Sample ID: B-1 (.3)

Project Sample Number: 92149570-002  
Matrix: Soil

Date Collected: 07/24/07 10:15  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	87-68-3		
2-Hexanone	ND	ug/kg	54.	1.1	08/01/07 03:45	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	99-87-6		
Methylene chloride	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.	1.1	08/01/07 03:45	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	1634-04-4		
Naphthalene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	103-65-1		
Styrene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	127-18-4		
Toluene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	79-00-5		
Trichloroethene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	54.	1.1	08/01/07 03:45	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	11.	1.1	08/01/07 03:45	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	11.	1.1	08/01/07 03:45	DLK			
o-Xylene	ND	ug/kg	5.4	1.1	08/01/07 03:45	DLK	95-47-6		
Toluene-d8 (S)	101	%		1.0	08/01/07 03:45	DLK	2037-26-5		
4-Bromofluorobenzene (S)	101	%		1.0	08/01/07 03:45	DLK	460-00-4		
Dibromofluoromethane (S)	106	%		1.0	08/01/07 03:45	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	122	%		1.0	08/01/07 03:45	DLK	17060-07-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680222  
Client Sample ID: B-1 (.5)

Project Sample Number: 92149570-003  
Matrix: Soil

Date Collected: 07/24/07 10:50  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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## Metals

Metals, Trace ICP									
Prep/Method: EPA 3050 / EPA 6010									
Aluminum	7000	mg/kg	12.	1.2	07/29/07 01:00	JDA1	7429-90-5		
Antimony	ND	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-36-0		
Arsenic	5.9	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-38-2		
Barium	61.	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-39-3		
Beryllium	0.94	mg/kg	0.12	1.2	07/29/07 01:00	JDA1	7440-41-7		
Boron	ND	mg/kg	1.2	1.2	07/29/07 01:00	JDA1	7440-42-8		
Cadmium	0.43	mg/kg	0.12	1.2	07/29/07 01:00	JDA1	7440-43-9		
Calcium	1700	mg/kg	12.	1.2	07/29/07 01:00	JDA1	7440-70-2		
Chromium	15.	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-47-3		
Cobalt	ND	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-48-4		
Copper	0.63	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-50-8		
Iron	12000	mg/kg	6.2	1.2	07/29/07 01:00	JDA1	7439-89-6		
Lead	7.3	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7439-92-1		
Magnesium	260	mg/kg	12.	1.2	07/29/07 01:00	JDA1	7439-95-4		
Manganese	3.9	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7439-96-5		
Molybdenum	0.67	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7439-98-7		
Nickel	0.68	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-02-0		
Potassium	230	mg/kg	120	1.2	07/29/07 01:00	JDA1	7440-09-7		
Selenium	ND	mg/kg	1.2	1.2	07/29/07 01:00	JDA1	7782-49-2		
Silicon	1400	mg/kg	12.	1.2	07/29/07 01:00	JDA1	7440-21-3		
Silver	ND	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-22-4		
Sodium	ND	mg/kg	120	1.2	07/29/07 01:00	JDA1	7440-23-5		
Strontium	170	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-24-6		
Thallium	ND	mg/kg	1.2	1.2	07/29/07 01:00	JDA1	7440-28-0		
Tin	3.0	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-31-5		
Titanium	38.	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-32-6		
Vanadium	20.	mg/kg	0.62	1.2	07/29/07 01:00	JDA1	7440-62-2		
Zinc	4.5	mg/kg	1.2	1.2	07/29/07 01:00	JDA1	7440-66-6		
Date Digested	07/27/07 12:05				07/27/07 12:05				

Mercury, CVAAS, in Soil									
Method: EPA 7471									
Mercury	ND	mg/kg	0.0058	1.2	07/31/07 14:05	JMW	7439-97-6		

## Wet Chemistry

Percent Moisture									
Method: % Moisture									
Percent Moisture	19.1	%			1.0	07/28/07 13:49	TNM		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680222 Project Sample Number: 92149570-003 Date Collected: 07/24/07 10:50  
Client Sample ID: B-1 (.5) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	83-32-9		
Acenaphthylene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	208-96-8		
Anthracene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	56-55-3		
Benzoic acid	ND	ug/kg	2000	1.2	07/30/07 17:41	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	820	1.2	07/30/07 17:41	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	410	1.2	07/30/07 17:41	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	410	1.2	07/30/07 17:41	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	820	1.2	07/30/07 17:41	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	820	1.2	07/30/07 17:41	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	410	1.2	07/30/07 17:41	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	410	1.2	07/30/07 17:41	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	410	1.2	07/30/07 17:41	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	410	1.2	07/30/07 17:41	BET	7005-72-3		
Chrysene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	53-70-3		
Dibenzofuran	ND	ug/kg	410	1.2	07/30/07 17:41	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	820	1.2	07/30/07 17:41	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	120-83-2		
Diethylphthalate	ND	ug/kg	410	1.2	07/30/07 17:41	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	410	1.2	07/30/07 17:41	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	410	1.2	07/30/07 17:41	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2000	1.2	07/30/07 17:41	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	410	1.2	07/30/07 17:41	BET	117-84-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680222  
Client Sample ID: B-1 (.5)

Project Sample Number: 92149570-003  
Matrix: Soil

Date Collected: 07/24/07 10:50  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	410	1.2	07/30/07 17:41	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	410	1.2	07/30/07 17:41	BET	117-81-7		
Fluoranthene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	206-44-0		
Fluorene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	77-47-4		
Hexachloroethane	ND	ug/kg	410	1.2	07/30/07 17:41	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	193-39-5		
Isophorone	ND	ug/kg	410	1.2	07/30/07 17:41	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	410	1.2	07/30/07 17:41	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET			
Naphthalene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 17:41	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 17:41	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 17:41	BET	100-01-6		
Nitrobenzene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2000	1.2	07/30/07 17:41	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	410	1.2	07/30/07 17:41	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	410	1.2	07/30/07 17:41	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2000	1.2	07/30/07 17:41	BET	87-86-5		
Phenanthrene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	85-01-8		
Phenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	108-95-2		
Pyrene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	410	1.2	07/30/07 17:41	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	410	1.2	07/30/07 17:41	BET	88-06-2		
Nitrobenzene-d5 (S)	47	%		1.0	07/30/07 17:41	BET	4165-60-0		
2-Fluorobiphenyl (S)	44	%		1.0	07/30/07 17:41	BET	321-60-8		
Terphenyl-d14 (S)	58	%		1.0	07/30/07 17:41	BET	1718-51-0		
Phenol-d5 (S)	54	%		1.0	07/30/07 17:41	BET	4165-62-2		
2-Fluorophenol (S)	50	%		1.0	07/30/07 17:41	BET	367-12-4		
2,4,6-Tribromophenol (S)	50	%		1.0	07/30/07 17:41	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680222  
Client Sample ID: B-1 (.5)

Project Sample Number: 92149570-003  
Matrix: Soil

Date Collected: 07/24/07 10:50  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	92.	0.9	08/01/07 04:03	DLK	67-64-1		
Benzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	71-43-2		
Bromobenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	75-27-4		
Bromoform	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	75-25-2		
Bromomethane	ND	ug/kg	9.2	0.9	08/01/07 04:03	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	92.	0.9	08/01/07 04:03	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	108-90-7		
Chloroethane	ND	ug/kg	9.2	0.9	08/01/07 04:03	DLK	75-00-3		
Chloroform	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	67-66-3		
Chloromethane	ND	ug/kg	9.2	0.9	08/01/07 04:03	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	106-93-4		
Dibromomethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	9.2	0.9	08/01/07 04:03	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	10061-02-6		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680222 Project Sample Number: 92149570-003 Date Collected: 07/24/07 10:50  
Client Sample ID: B-1 (.5) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	87-68-3		
2-Hexanone	ND	ug/kg	46.	0.9	08/01/07 04:03	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	99-87-6		
Methylene chloride	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.	0.9	08/01/07 04:03	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	1634-04-4		
Naphthalene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	103-65-1		
Styrene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	127-18-4		
Toluene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	79-00-5		
Trichloroethene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	46.	0.9	08/01/07 04:03	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	9.2	0.9	08/01/07 04:03	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	9.2	0.9	08/01/07 04:03	DLK			
o-Xylene	ND	ug/kg	4.6	0.9	08/01/07 04:03	DLK	95-47-6		
Toluene-d8 (S)	103	%		1.0	08/01/07 04:03	DLK	2037-26-5		
4-Bromofluorobenzene (S)	103	%		1.0	08/01/07 04:03	DLK	460-00-4		
Dibromofluoromethane (S)	105	%		1.0	08/01/07 04:03	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	118	%		1.0	08/01/07 04:03	DLK	17060-07-0		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680230  
Client Sample ID: B-1 (.20)

Project Sample Number: 92149570-004  
Matrix: Soil

Date Collected: 07/24/07 12:20  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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## Metals

Metals, Trace ICP									
Prep/Method: EPA 3050 / EPA 6010									
Aluminum	3000	mg/kg	12.	1.2	07/29/07 01:06	JDA1	7429-90-5		
Antimony	2.2	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-36-0		
Arsenic	14.	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-38-2		
Barium	9.4	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-39-3		
Beryllium	0.46	mg/kg	0.12	1.2	07/29/07 01:06	JDA1	7440-41-7		
Boron	26.	mg/kg	1.2	1.2	07/29/07 01:06	JDA1	7440-42-8		
Cadmium	0.90	mg/kg	0.12	1.2	07/29/07 01:06	JDA1	7440-43-9		
Calcium	220000	mg/kg	12.	1.2	07/29/07 01:06	JDA1	7440-70-2		
Chromium	53.	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-47-3		
Cobalt	ND	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-48-4		
Copper	4.4	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-50-8		
Iron	3900	mg/kg	6.1	1.2	07/29/07 01:06	JDA1	7439-89-6		
Lead	1.4	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7439-92-1		
Magnesium	2900	mg/kg	12.	1.2	07/29/07 01:06	JDA1	7439-95-4		
Manganese	86.	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7439-96-5		
Molybdenum	16.	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7439-98-7		
Nickel	20.	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-02-0		
Potassium	2400	mg/kg	120	1.2	07/29/07 01:06	JDA1	7440-09-7		
Selenium	5.0	mg/kg	1.2	1.2	07/29/07 01:06	JDA1	7782-49-2		
Silicon	3400	mg/kg	12.	1.2	07/29/07 01:06	JDA1	7440-21-3		
Silver	ND	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-22-4		
Sodium	3700	mg/kg	120	1.2	07/29/07 01:06	JDA1	7440-23-5		
Strontium	560	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-24-6		
Thallium	1.9	mg/kg	1.2	1.2	07/29/07 01:06	JDA1	7440-28-0		
Tin	2.4	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-31-5		
Titanium	68.	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-32-6		
Vanadium	30.	mg/kg	0.61	1.2	07/29/07 01:06	JDA1	7440-62-2		
Zinc	40.	mg/kg	1.2	1.2	07/29/07 01:06	JDA1	7440-66-6		
Date Digested	07/27/07 12:05				07/27/07 12:05				

Mercury, CVAAS, in Soil									
Method: EPA 7471									
Mercury	0.025	mg/kg	0.0073	1.5	07/31/07 14:08	JMW	7439-97-6		

## Wet Chemistry

Percent Moisture									
Method: % Moisture									
Percent Moisture	17.9	%		1.0	07/28/07 13:50	TNM			

Date: 08/06/07

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680230 Project Sample Number: 92149570-004 Date Collected: 07/24/07 12:20  
Client Sample ID: B-1 (.20) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	83-32-9		
Acenaphthylene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	208-96-8		
Anthracene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	56-55-3		
Benzoic acid	ND	ug/kg	2000	1.2	07/30/07 18:05	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	800	1.2	07/30/07 18:05	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	400	1.2	07/30/07 18:05	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	400	1.2	07/30/07 18:05	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	800	1.2	07/30/07 18:05	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	800	1.2	07/30/07 18:05	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	400	1.2	07/30/07 18:05	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	400	1.2	07/30/07 18:05	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	400	1.2	07/30/07 18:05	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	400	1.2	07/30/07 18:05	BET	7005-72-3		
Chrysene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	53-70-3		
Dibenzofuran	ND	ug/kg	400	1.2	07/30/07 18:05	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	800	1.2	07/30/07 18:05	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	120-83-2		
Diethylphthalate	ND	ug/kg	400	1.2	07/30/07 18:05	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	400	1.2	07/30/07 18:05	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	400	1.2	07/30/07 18:05	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2000	1.2	07/30/07 18:05	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	400	1.2	07/30/07 18:05	BET	117-84-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680230 Project Sample Number: 92149570-004 Date Collected: 07/24/07 12:20  
Client Sample ID: B-1 (.20) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	400	1.2	07/30/07 18:05	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	400	1.2	07/30/07 18:05	BET	117-81-7		
Fluoranthene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	206-44-0		
Fluorene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	77-47-4		
Hexachloroethane	ND	ug/kg	400	1.2	07/30/07 18:05	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	193-39-5		
Isophorone	ND	ug/kg	400	1.2	07/30/07 18:05	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	400	1.2	07/30/07 18:05	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET			
Naphthalene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 18:05	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 18:05	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 18:05	BET	100-01-6		
Nitrobenzene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2000	1.2	07/30/07 18:05	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	400	1.2	07/30/07 18:05	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	400	1.2	07/30/07 18:05	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2000	1.2	07/30/07 18:05	BET	87-86-5		
Phenanthrene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	85-01-8		
Phenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	108-95-2		
Pyrene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	400	1.2	07/30/07 18:05	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	400	1.2	07/30/07 18:05	BET	88-06-2		
Nitrobenzene-d5 (S)	36	%		1.0	07/30/07 18:05	BET	4165-60-0		
2-Fluorobiphenyl (S)	29	%		1.0	07/30/07 18:05	BET	321-60-8		
Terphenyl-d14 (S)	52	%		1.0	07/30/07 18:05	BET	1718-51-0		
Phenol-d5 (S)	42	%		1.0	07/30/07 18:05	BET	4165-62-2		
2-Fluorophenol (S)	35	%		1.0	07/30/07 18:05	BET	367-12-4		
2,4,6-Tribromophenol (S)	34	%		1.0	07/30/07 18:05	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680230 Project Sample Number: 92149570-004 Date Collected: 07/24/07 12:20  
Client Sample ID: B-1 (.20) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	96.	1.0	08/01/07 04:21	DLK	67-64-1		
Benzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	71-43-2		
Bromobenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	75-27-4		
Bromoform	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	75-25-2		
Bromomethane	ND	ug/kg	9.6	1.0	08/01/07 04:21	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	96.	1.0	08/01/07 04:21	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	108-90-7		
Chloroethane	ND	ug/kg	9.6	1.0	08/01/07 04:21	DLK	75-00-3		
Chloroform	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	67-66-3		
Chloromethane	ND	ug/kg	9.6	1.0	08/01/07 04:21	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	106-93-4		
Dibromomethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	9.6	1.0	08/01/07 04:21	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	10061-02-6		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680230  
Client Sample ID: B-1 (.20)

Project Sample Number: 92149570-004  
Matrix: Soil

Date Collected: 07/24/07 12:20  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	87-68-3		
2-Hexanone	ND	ug/kg	48.	1.0	08/01/07 04:21	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	99-87-6		
Methylene chloride	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.	1.0	08/01/07 04:21	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	1634-04-4		
Naphthalene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	103-65-1		
Styrene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	127-18-4		
Toluene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	79-00-5		
Trichloroethene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	48.	1.0	08/01/07 04:21	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	9.6	1.0	08/01/07 04:21	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	9.6	1.0	08/01/07 04:21	DLK			
o-Xylene	ND	ug/kg	4.8	1.0	08/01/07 04:21	DLK	95-47-6		
Toluene-d8 (S)	97	%		1.0	08/01/07 04:21	DLK	2037-26-5		
4-Bromofluorobenzene (S)	86	%		1.0	08/01/07 04:21	DLK	460-00-4		
Dibromofluoromethane (S)	107	%		1.0	08/01/07 04:21	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	130	%		1.0	08/01/07 04:21	DLK	17060-07-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680248 Project Sample Number: 92149570-005 Date Collected: 07/24/07 12:50  
Client Sample ID: B-2 (0.5) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### Metals

Metals, Trace ICP									
Prep/Method: EPA 3050 / EPA 6010									
Aluminum	6900	mg/kg	11.	1.1	07/29/07 01:11	JDA1	7429-90-5		
Antimony	1.8	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-36-0		
Arsenic	4.5	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-38-2		
Barium	52.	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-39-3		
Beryllium	2.0	mg/kg	0.11	1.1	07/29/07 01:11	JDA1	7440-41-7		
Boron	3.3	mg/kg	1.1	1.1	07/29/07 01:11	JDA1	7440-42-8		
Cadmium	1.9	mg/kg	0.11	1.1	07/29/07 01:11	JDA1	7440-43-9		
Calcium	1400	mg/kg	11.	1.1	07/29/07 01:11	JDA1	7440-70-2		
Chromium	13.	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-47-3		
Cobalt	0.83	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-48-4		
Copper	3.4	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-50-8		
Iron	7400	mg/kg	5.4	1.1	07/29/07 01:11	JDA1	7439-89-6		
Lead	9.3	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7439-92-1		
Magnesium	260	mg/kg	11.	1.1	07/29/07 01:11	JDA1	7439-95-4		
Manganese	20.	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7439-96-5		
Molybdenum	2.4	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7439-98-7		
Nickel	3.0	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-02-0		
Potassium	190	mg/kg	110	1.1	07/29/07 01:11	JDA1	7440-09-7		
Selenium	ND	mg/kg	1.1	1.1	07/29/07 01:11	JDA1	7782-49-2		
Silicon	1100	mg/kg	11.	1.1	07/29/07 01:11	JDA1	7440-21-3		
Silver	0.59	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-22-4		
Sodium	ND	mg/kg	110	1.1	07/29/07 01:11	JDA1	7440-23-5		
Strontium	68.	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-24-6		
Thallium	1.9	mg/kg	1.1	1.1	07/29/07 01:11	JDA1	7440-28-0		
Tin	4.5	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-31-5		
Titanium	38.	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-32-6		
Vanadium	16.	mg/kg	0.54	1.1	07/29/07 01:11	JDA1	7440-62-2		
Zinc	7.4	mg/kg	1.1	1.1	07/29/07 01:11	JDA1	7440-66-6		
Date Digested	07/27/07 12:05				07/27/07 12:05				

Mercury, CVAAS, in Soil									
Method: EPA 7471									
Mercury	0.020	mg/kg	0.0054	1.1	07/31/07 14:10	JMW	7439-97-6		

#### Wet Chemistry

Percent Moisture									
Method: % Moisture									
Percent Moisture	8.1	%			1.0	07/28/07 13:50	TNM		

Date: 08/06/07

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Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680248  
Client Sample ID: B-2 (0.5)

Project Sample Number: 92149570-005  
Matrix: Soil

Date Collected: 07/24/07 12:50  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	83-32-9		
Acenaphthylene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	208-96-8		
Anthracene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	56-55-3		
Benzoic acid	ND	ug/kg	1800	1.1	07/30/07 18:29	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	720	1.1	07/30/07 18:29	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	360	1.1	07/30/07 18:29	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	360	1.1	07/30/07 18:29	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	720	1.1	07/30/07 18:29	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	720	1.1	07/30/07 18:29	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	360	1.1	07/30/07 18:29	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	360	1.1	07/30/07 18:29	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	360	1.1	07/30/07 18:29	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	360	1.1	07/30/07 18:29	BET	7005-72-3		
Chrysene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	53-70-3		
Dibenzofuran	ND	ug/kg	360	1.1	07/30/07 18:29	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	720	1.1	07/30/07 18:29	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	120-83-2		
Diethylphthalate	ND	ug/kg	360	1.1	07/30/07 18:29	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	360	1.1	07/30/07 18:29	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	360	1.1	07/30/07 18:29	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	1800	1.1	07/30/07 18:29	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	360	1.1	07/30/07 18:29	BET	117-84-0		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680248 Project Sample Number: 92149570-005 Date Collected: 07/24/07 12:50  
Client Sample ID: B-2 (0.5) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	360	1.1	07/30/07 18:29	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	360	1.1	07/30/07 18:29	BET	117-81-7		
Fluoranthene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	206-44-0		
Fluorene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	77-47-4		
Hexachloroethane	ND	ug/kg	360	1.1	07/30/07 18:29	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	193-39-5		
Isophorone	ND	ug/kg	360	1.1	07/30/07 18:29	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	360	1.1	07/30/07 18:29	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET			
Naphthalene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	1800	1.1	07/30/07 18:29	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	1800	1.1	07/30/07 18:29	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	1800	1.1	07/30/07 18:29	BET	100-01-6		
Nitrobenzene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	1800	1.1	07/30/07 18:29	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	360	1.1	07/30/07 18:29	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	360	1.1	07/30/07 18:29	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	1800	1.1	07/30/07 18:29	BET	87-86-5		
Phenanthrene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	85-01-8		
Phenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	108-95-2		
Pyrene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	360	1.1	07/30/07 18:29	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	360	1.1	07/30/07 18:29	BET	88-06-2		
Nitrobenzene-d5 (S)	50	%		1.0	07/30/07 18:29	BET	4165-60-0		
2-Fluorobiphenyl (S)	52	%		1.0	07/30/07 18:29	BET	321-60-8		
Terphenyl-d14 (S)	62	%		1.0	07/30/07 18:29	BET	1718-51-0		
Phenol-d5 (S)	56	%		1.0	07/30/07 18:29	BET	4165-62-2		
2-Fluorophenol (S)	49	%		1.0	07/30/07 18:29	BET	367-12-4		
2,4,6-Tribromophenol (S)	54	%		1.0	07/30/07 18:29	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680248  
Client Sample ID: B-2 (0.5)

Project Sample Number: 92149570-005  
Matrix: Soil

Date Collected: 07/24/07 12:50  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	87.	0.9	08/01/07 04:39	DLK	67-64-1		
Benzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	71-43-2		
Bromobenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	75-27-4		
Bromoform	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	75-25-2		
Bromomethane	ND	ug/kg	8.7	0.9	08/01/07 04:39	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	87.	0.9	08/01/07 04:39	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	108-90-7		
Chloroethane	ND	ug/kg	8.7	0.9	08/01/07 04:39	DLK	75-00-3		
Chloroform	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	67-66-3		
Chloromethane	ND	ug/kg	8.7	0.9	08/01/07 04:39	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	106-93-4		
Dibromomethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	8.7	0.9	08/01/07 04:39	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	10061-02-6		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680248 Project Sample Number: 92149570-005 Date Collected: 07/24/07 12:50  
Client Sample ID: B-2 (0.5) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	87-68-3		
2-Hexanone	ND	ug/kg	44.	0.9	08/01/07 04:39	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	99-87-6		
Methylene chloride	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	44.	0.9	08/01/07 04:39	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	1634-04-4		
Naphthalene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	103-65-1		
Styrene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	127-18-4		
Toluene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	79-00-5		
Trichloroethene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	44.	0.9	08/01/07 04:39	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	8.7	0.9	08/01/07 04:39	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	8.7	0.9	08/01/07 04:39	DLK			
o-Xylene	ND	ug/kg	4.4	0.9	08/01/07 04:39	DLK	95-47-6		
Toluene-d8 (S)	105	%		1.0	08/01/07 04:39	DLK	2037-26-5		
4-Bromofluorobenzene (S)	102	%		1.0	08/01/07 04:39	DLK	460-00-4		
Dibromofluoromethane (S)	109	%		1.0	08/01/07 04:39	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	123	%		1.0	08/01/07 04:39	DLK	17060-07-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680255  
Client Sample ID: B-2 (.4)

Project Sample Number: 92149570-006  
Matrix: Soil

Date Collected: 07/24/07 13:05  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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## Metals

Prep/Method: EPA 3050 / EPA 6010									
Metals, Trace ICP									
Aluminum	11000	mg/kg	12.	1.2	07/29/07 01:16	JDA1	7429-90-5		
Antimony	ND	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-36-0		
Arsenic	5.2	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-38-2		
Barium	51.	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-39-3		
Beryllium	0.23	mg/kg	0.12	1.2	07/29/07 01:16	JDA1	7440-41-7		
Boron	ND	mg/kg	1.2	1.2	07/29/07 01:16	JDA1	7440-42-8		
Cadmium	0.32	mg/kg	0.12	1.2	07/29/07 01:16	JDA1	7440-43-9		
Calcium	410	mg/kg	12.	1.2	07/29/07 01:16	JDA1	7440-70-2		
Chromium	14.	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-47-3		
Cobalt	ND	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-48-4		
Copper	ND	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-50-8		
Iron	9900	mg/kg	6.0	1.2	07/29/07 01:16	JDA1	7439-89-6		
Lead	12.	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7439-92-1		
Magnesium	360	mg/kg	12.	1.2	07/29/07 01:16	JDA1	7439-95-4		
Manganese	4.4	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7439-96-5		
Molybdenum	0.96	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7439-98-7		
Nickel	0.84	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-02-0		
Potassium	150	mg/kg	120	1.2	07/29/07 01:16	JDA1	7440-09-7		
Selenium	ND	mg/kg	1.2	1.2	07/29/07 01:16	JDA1	7782-49-2		
Silicon	1200	mg/kg	12.	1.2	07/29/07 01:16	JDA1	7440-21-3		
Silver	ND	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-22-4		
Sodium	ND	mg/kg	120	1.2	07/29/07 01:16	JDA1	7440-23-5		
Strontium	44.	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-24-6		
Thallium	ND	mg/kg	1.2	1.2	07/29/07 01:16	JDA1	7440-28-0		
Tin	3.1	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-31-5		
Titanium	33.	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-32-6		
Vanadium	34.	mg/kg	0.60	1.2	07/29/07 01:16	JDA1	7440-62-2		
Zinc	3.7	mg/kg	1.2	1.2	07/29/07 01:16	JDA1	7440-66-6		
Date Digested	07/27/07 12:05				07/27/07 12:05				

Method: EPA 7471									
Mercury, CVAAS, in Soil									
Mercury	0.023	mg/kg	0.0058	1.1	07/31/07 14:13	JMW	7439-97-6		

## Wet Chemistry

Method: % Moisture									
Percent Moisture									
Percent Moisture	16.1	%		1.0	07/28/07 13:50	TNM			

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680255  
Client Sample ID: B-2 (.4)

Project Sample Number: 92149570-006  
Matrix: Soil

Date Collected: 07/24/07 13:05  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	83-32-9		
Acenaphthylene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	208-96-8		
Anthracene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	56-55-3		
Benzoic acid	ND	ug/kg	2000	1.2	07/30/07 18:53	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	790	1.2	07/30/07 18:53	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	390	1.2	07/30/07 18:53	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	390	1.2	07/30/07 18:53	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	790	1.2	07/30/07 18:53	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	790	1.2	07/30/07 18:53	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	390	1.2	07/30/07 18:53	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	390	1.2	07/30/07 18:53	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	390	1.2	07/30/07 18:53	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	390	1.2	07/30/07 18:53	BET	7005-72-3		
Chrysene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	53-70-3		
Dibenzofuran	ND	ug/kg	390	1.2	07/30/07 18:53	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	790	1.2	07/30/07 18:53	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	120-83-2		
Diethylphthalate	ND	ug/kg	390	1.2	07/30/07 18:53	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	390	1.2	07/30/07 18:53	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	390	1.2	07/30/07 18:53	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2000	1.2	07/30/07 18:53	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	390	1.2	07/30/07 18:53	BET	117-84-0		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680255 Project Sample Number: 92149570-006 Date Collected: 07/24/07 13:05  
Client Sample ID: B-2 (.4) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	390	1.2	07/30/07 18:53	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	1.2	07/30/07 18:53	BET	117-81-7		
Fluoranthene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	206-44-0		
Fluorene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	77-47-4		
Hexachloroethane	ND	ug/kg	390	1.2	07/30/07 18:53	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	193-39-5		
Isophorone	ND	ug/kg	390	1.2	07/30/07 18:53	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	390	1.2	07/30/07 18:53	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET			
Naphthalene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 18:53	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 18:53	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 18:53	BET	100-01-6		
Nitrobenzene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2000	1.2	07/30/07 18:53	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	390	1.2	07/30/07 18:53	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	390	1.2	07/30/07 18:53	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2000	1.2	07/30/07 18:53	BET	87-86-5		
Phenanthrene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	85-01-8		
Phenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	108-95-2		
Pyrene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	390	1.2	07/30/07 18:53	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	390	1.2	07/30/07 18:53	BET	88-06-2		
Nitrobenzene-d5 (S)	33	%		1.0	07/30/07 18:53	BET	4165-60-0		
2-Fluorobiphenyl (S)	29	%		1.0	07/30/07 18:53	BET	321-60-8		
Terphenyl-d14 (S)	45	%		1.0	07/30/07 18:53	BET	1718-51-0		
Phenol-d5 (S)	44	%		1.0	07/30/07 18:53	BET	4165-62-2		
2-Fluorophenol (S)	39	%		1.0	07/30/07 18:53	BET	367-12-4		
2,4,6-Tribromophenol (S)	32	%		1.0	07/30/07 18:53	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680255 Project Sample Number: 92149570-006 Date Collected: 07/24/07 13:05  
Client Sample ID: B-2 (.4) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	90.	0.9	08/01/07 04:58	DLK	67-64-1		
Benzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	71-43-2		
Bromobenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	75-27-4		
Bromoform	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	75-25-2		
Bromomethane	ND	ug/kg	9.0	0.9	08/01/07 04:58	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	90.	0.9	08/01/07 04:58	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	108-90-7		
Chloroethane	ND	ug/kg	9.0	0.9	08/01/07 04:58	DLK	75-00-3		
Chloroform	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	67-66-3		
Chloromethane	ND	ug/kg	9.0	0.9	08/01/07 04:58	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	106-93-4		
Dibromomethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	9.0	0.9	08/01/07 04:58	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	10061-02-6		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680255 Project Sample Number: 92149570-006 Date Collected: 07/24/07 13:05  
Client Sample ID: B-2 (.4) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	87-68-3		
2-Hexanone	ND	ug/kg	45.	0.9	08/01/07 04:58	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	99-87-6		
Methylene chloride	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.	0.9	08/01/07 04:58	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	1634-04-4		
Naphthalene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	103-65-1		
Styrene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	127-18-4		
Toluene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	79-00-5		
Trichloroethene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	45.	0.9	08/01/07 04:58	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	9.0	0.9	08/01/07 04:58	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	9.0	0.9	08/01/07 04:58	DLK			
o-Xylene	ND	ug/kg	4.5	0.9	08/01/07 04:58	DLK	95-47-6		
Toluene-d8 (S)	120	%		1.0	08/01/07 04:58	DLK	2037-26-5	1	
4-Bromofluorobenzene (S)	92	%		1.0	08/01/07 04:58	DLK	460-00-4		
Dibromofluoromethane (S)	108	%		1.0	08/01/07 04:58	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	114	%		1.0	08/01/07 04:58	DLK	17060-07-0		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680263 Project Sample Number: 92149570-007 Date Collected: 07/24/07 14:30  
Client Sample ID: B-2 (.8) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### Metals

Metals, Trace ICP									
Prep/Method: EPA 3050 / EPA 6010									
Aluminum	6300	mg/kg	12.	1.2	07/29/07	01:21	JDA1	7429-90-5	
Antimony	ND	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-36-0	
Arsenic	1.8	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-38-2	
Barium	65.	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-39-3	
Beryllium	0.43	mg/kg	0.12	1.2	07/29/07	01:21	JDA1	7440-41-7	
Boron	2.6	mg/kg	1.2	1.2	07/29/07	01:21	JDA1	7440-42-8	
Cadmium	ND	mg/kg	0.12	1.2	07/29/07	01:21	JDA1	7440-43-9	
Calcium	820	mg/kg	12.	1.2	07/29/07	01:21	JDA1	7440-70-2	
Chromium	12.	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-47-3	
Cobalt	ND	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-48-4	
Copper	1.6	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-50-8	
Iron	3500	mg/kg	6.2	1.2	07/29/07	01:21	JDA1	7439-89-6	
Lead	7.2	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7439-92-1	
Magnesium	290	mg/kg	12.	1.2	07/29/07	01:21	JDA1	7439-95-4	
Manganese	4.9	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7439-96-5	
Molybdenum	0.98	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7439-98-7	
Nickel	1.1	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-02-0	
Potassium	180	mg/kg	120	1.2	07/29/07	01:21	JDA1	7440-09-7	
Selenium	ND	mg/kg	1.2	1.2	07/29/07	01:21	JDA1	7782-49-2	
Silicon	1200	mg/kg	12.	1.2	07/29/07	01:21	JDA1	7440-21-3	
Silver	ND	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-22-4	
Sodium	ND	mg/kg	120	1.2	07/29/07	01:21	JDA1	7440-23-5	
Strontium	88.	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-24-6	
Thallium	ND	mg/kg	1.2	1.2	07/29/07	01:21	JDA1	7440-28-0	
Tin	2.9	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-31-5	
Titanium	36.	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-32-6	
Vanadium	6.3	mg/kg	0.62	1.2	07/29/07	01:21	JDA1	7440-62-2	
Zinc	6.0	mg/kg	1.2	1.2	07/29/07	01:21	JDA1	7440-66-6	
Date Digested	07/27/07 12:05				07/27/07 12:05				

Mercury, CVAAS, in Soil									
Method: EPA 7471									
Mercury	0.022	mg/kg	0.0058	1.2	07/31/07	14:15	JMW	7439-97-6	

#### Wet Chemistry

Percent Moisture									
Method: % Moisture									
Percent Moisture	19.6	%		1.0	07/28/07	13:50	TNM		

Date: 08/06/07

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### REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680263  
Client Sample ID: B-2 (.8)

Project Sample Number: 92149570-007  
Matrix: Soil

Date Collected: 07/24/07 14:30  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	83-32-9		
Acenaphthylene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	208-96-8		
Anthracene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	56-55-3		
Benzoic acid	ND	ug/kg	2100	1.2	07/30/07 19:17	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	820	1.2	07/30/07 19:17	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	410	1.2	07/30/07 19:17	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	410	1.2	07/30/07 19:17	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	820	1.2	07/30/07 19:17	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	820	1.2	07/30/07 19:17	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	410	1.2	07/30/07 19:17	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	410	1.2	07/30/07 19:17	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	410	1.2	07/30/07 19:17	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	410	1.2	07/30/07 19:17	BET	7005-72-3		
Chrysene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	53-70-3		
Dibenzofuran	ND	ug/kg	410	1.2	07/30/07 19:17	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	820	1.2	07/30/07 19:17	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	120-83-2		
Diethylphthalate	ND	ug/kg	410	1.2	07/30/07 19:17	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	410	1.2	07/30/07 19:17	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	410	1.2	07/30/07 19:17	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2100	1.2	07/30/07 19:17	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	410	1.2	07/30/07 19:17	BET	117-84-0		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680263  
Client Sample ID: B-2 (.8)

Project Sample Number: 92149570-007  
Matrix: Soil

Date Collected: 07/24/07 14:30  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	410	1.2	07/30/07 19:17	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	410	1.2	07/30/07 19:17	BET	117-81-7		
Fluoranthene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	206-44-0		
Fluorene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	77-47-4		
Hexachloroethane	ND	ug/kg	410	1.2	07/30/07 19:17	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	193-39-5		
Isophorone	ND	ug/kg	410	1.2	07/30/07 19:17	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	410	1.2	07/30/07 19:17	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET			
Naphthalene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.2	07/30/07 19:17	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.2	07/30/07 19:17	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.2	07/30/07 19:17	BET	100-01-6		
Nitrobenzene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.2	07/30/07 19:17	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	410	1.2	07/30/07 19:17	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	410	1.2	07/30/07 19:17	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.2	07/30/07 19:17	BET	87-86-5		
Phenanthrene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	85-01-8		
Phenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	108-95-2		
Pyrene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	410	1.2	07/30/07 19:17	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	410	1.2	07/30/07 19:17	BET	88-06-2		
Nitrobenzene-d5 (S)	38	%		1.0	07/30/07 19:17	BET	4165-60-0		
2-Fluorobiphenyl (S)	36	%		1.0	07/30/07 19:17	BET	321-60-8		
Terphenyl-d14 (S)	48	%		1.0	07/30/07 19:17	BET	1718-51-0		
Phenol-d5 (S)	45	%		1.0	07/30/07 19:17	BET	4165-62-2		
2-Fluorophenol (S)	39	%		1.0	07/30/07 19:17	BET	367-12-4		
2,4,6-Tribromophenol (S)	39	%		1.0	07/30/07 19:17	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680263 Project Sample Number: 92149570-007 Date Collected: 07/24/07 14:30  
Client Sample ID: B-2 (.8) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	96.	1.0	08/01/07 05:16	DLK	67-64-1		
Benzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	71-43-2		
Bromobenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	75-27-4		
Bromoform	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	75-25-2		
Bromomethane	ND	ug/kg	9.6	1.0	08/01/07 05:16	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	96.	1.0	08/01/07 05:16	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	108-90-7		
Chloroethane	ND	ug/kg	9.6	1.0	08/01/07 05:16	DLK	75-00-3		
Chloroform	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	67-66-3		
Chloromethane	ND	ug/kg	9.6	1.0	08/01/07 05:16	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	106-93-4		
Dibromomethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	9.6	1.0	08/01/07 05:16	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	10061-02-6		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680263 Project Sample Number: 92149570-007 Date Collected: 07/24/07 14:30  
Client Sample ID: B-2 (.8) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	87-68-3		
2-Hexanone	ND	ug/kg	48.	1.0	08/01/07 05:16	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	99-87-6		
Methylene chloride	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.	1.0	08/01/07 05:16	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	1634-04-4		
Naphthalene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	103-65-1		
Styrene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	127-18-4		
Toluene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	79-00-5		
Trichloroethene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	48.	1.0	08/01/07 05:16	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	9.6	1.0	08/01/07 05:16	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	9.6	1.0	08/01/07 05:16	DLK			
o-Xylene	ND	ug/kg	4.8	1.0	08/01/07 05:16	DLK	95-47-6		
Toluene-d8 (S)	101	%		1.0	08/01/07 05:16	DLK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		1.0	08/01/07 05:16	DLK	460-00-4		
Dibromofluoromethane (S)	101	%		1.0	08/01/07 05:16	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	115	%		1.0	08/01/07 05:16	DLK	17060-07-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680271  
Client Sample ID: B-2 (.20)

Project Sample Number: 92149570-008  
Matrix: Soil

Date Collected: 07/24/07 15:00  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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## Metals

Prep/Method: EPA 3050 / EPA 6010									
Metals, Trace ICP									
Aluminum	1800	mg/kg	12.	1.2	07/29/07 01:25	JDA1	7429-90-5		
Antimony	ND	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-36-0		
Arsenic	2.4	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-38-2		
Barium	13.	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-39-3		
Beryllium	0.26	mg/kg	0.12	1.2	07/29/07 01:25	JDA1	7440-41-7		
Boron	3.2	mg/kg	1.2	1.2	07/29/07 01:25	JDA1	7440-42-8		
Cadmium	0.40	mg/kg	0.12	1.2	07/29/07 01:25	JDA1	7440-43-9		
Calcium	10000	mg/kg	12.	1.2	07/29/07 01:25	JDA1	7440-70-2		
Chromium	7.3	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-47-3		
Cobalt	ND	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-48-4		
Copper	1.3	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-50-8		
Iron	1600	mg/kg	6.0	1.2	07/29/07 01:25	JDA1	7439-89-6		
Lead	1.9	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7439-92-1		
Magnesium	220	mg/kg	12.	1.2	07/29/07 01:25	JDA1	7439-95-4		
Manganese	11.	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7439-96-5		
Molybdenum	0.87	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7439-98-7		
Nickel	2.7	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-02-0		
Potassium	140	mg/kg	120	1.2	07/29/07 01:25	JDA1	7440-09-7		
Selenium	1.2	mg/kg	1.2	1.2	07/29/07 01:25	JDA1	7782-49-2		
Silicon	1400	mg/kg	12.	1.2	07/29/07 01:25	JDA1	7440-21-3		
Silver	ND	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-22-4		
Sodium	200	mg/kg	120	1.2	07/29/07 01:25	JDA1	7440-23-5		
Strontium	64.	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-24-6		
Thallium	ND	mg/kg	1.2	1.2	07/29/07 01:25	JDA1	7440-28-0		
Tin	2.9	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-31-5		
Titanium	24.	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-32-6		
Vanadium	7.1	mg/kg	0.60	1.2	07/29/07 01:25	JDA1	7440-62-2		
Zinc	8.9	mg/kg	1.2	1.2	07/29/07 01:25	JDA1	7440-66-6		
Date Digested	07/27/07 12:05				07/27/07 12:05				

Method: EPA 7471									
Mercury, CVAAS, in Soil									
Mercury	ND	mg/kg	0.0067	1.3	07/31/07 14:17	JMW	7439-97-6		

## Wet Chemistry

Method: % Moisture									
Percent Moisture									
Percent Moisture	16.9	%		1.0	07/28/07 13:50	TNM			

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680271 Project Sample Number: 92149570-008 Date Collected: 07/24/07 15:00  
Client Sample ID: B-2 (.20) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	83-32-9		
Acenaphthylene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	208-96-8		
Anthracene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	56-55-3		
Benzoic acid	ND	ug/kg	2000	1.2	07/30/07 19:41	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	790	1.2	07/30/07 19:41	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	400	1.2	07/30/07 19:41	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	400	1.2	07/30/07 19:41	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	790	1.2	07/30/07 19:41	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	790	1.2	07/30/07 19:41	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	400	1.2	07/30/07 19:41	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	400	1.2	07/30/07 19:41	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	400	1.2	07/30/07 19:41	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	400	1.2	07/30/07 19:41	BET	7005-72-3		
Chrysene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	53-70-3		
Dibenzofuran	ND	ug/kg	400	1.2	07/30/07 19:41	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	790	1.2	07/30/07 19:41	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	120-83-2		
Diethylphthalate	ND	ug/kg	400	1.2	07/30/07 19:41	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	400	1.2	07/30/07 19:41	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	400	1.2	07/30/07 19:41	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2000	1.2	07/30/07 19:41	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	400	1.2	07/30/07 19:41	BET	117-84-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680271 Project Sample Number: 92149570-008 Date Collected: 07/24/07 15:00  
Client Sample ID: B-2 (.20) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	400	1.2	07/30/07 19:41	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	400	1.2	07/30/07 19:41	BET	117-81-7		
Fluoranthene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	206-44-0		
Fluorene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	77-47-4		
Hexachloroethane	ND	ug/kg	400	1.2	07/30/07 19:41	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	193-39-5		
Isophorone	ND	ug/kg	400	1.2	07/30/07 19:41	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	400	1.2	07/30/07 19:41	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET			
Naphthalene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 19:41	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 19:41	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2000	1.2	07/30/07 19:41	BET	100-01-6		
Nitrobenzene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2000	1.2	07/30/07 19:41	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	400	1.2	07/30/07 19:41	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	400	1.2	07/30/07 19:41	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2000	1.2	07/30/07 19:41	BET	87-86-5		
Phenanthrene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	85-01-8		
Phenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	108-95-2		
Pyrene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	400	1.2	07/30/07 19:41	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	400	1.2	07/30/07 19:41	BET	88-06-2		
Nitrobenzene-d5 (S)	36	%		1.0	07/30/07 19:41	BET	4165-60-0		
2-Fluorobiphenyl (S)	31	%		1.0	07/30/07 19:41	BET	321-60-8		
Terphenyl-d14 (S)	43	%		1.0	07/30/07 19:41	BET	1718-51-0		
Phenol-d5 (S)	43	%		1.0	07/30/07 19:41	BET	4165-62-2		
2-Fluorophenol (S)	38	%		1.0	07/30/07 19:41	BET	367-12-4		
2,4,6-Tribromophenol (S)	34	%		1.0	07/30/07 19:41	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680271  
Client Sample ID: B-2 (.20)

Project Sample Number: 92149570-008  
Matrix: Soil

Date Collected: 07/24/07 15:00  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	190	ug/kg	110	1.1	08/01/07 21:35	DLK	67-64-1	2	
Benzene	9.3	ug/kg	5.4	1.1	08/01/07 21:35	DLK	71-43-2		
Bromobenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	75-27-4		
Bromoform	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	75-25-2		
Bromomethane	ND	ug/kg	11.	1.1	08/01/07 21:35	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	110	1.1	08/01/07 21:35	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	108-90-7		
Chloroethane	ND	ug/kg	11.	1.1	08/01/07 21:35	DLK	75-00-3		
Chloroform	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	67-66-3		
Chloromethane	ND	ug/kg	11.	1.1	08/01/07 21:35	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	106-93-4		
Dibromomethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	11.	1.1	08/01/07 21:35	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	10061-02-6		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680271 Project Sample Number: 92149570-008 Date Collected: 07/24/07 15:00  
Client Sample ID: B-2 (.20) Matrix: Soil Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	87-68-3		
2-Hexanone	ND	ug/kg	54.	1.1	08/01/07 21:35	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	99-87-6		
Methylene chloride	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.	1.1	08/01/07 21:35	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	1634-04-4		
Naphthalene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	103-65-1		
Styrene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	127-18-4		
Toluene	6.3	ug/kg	5.4	1.1	08/01/07 21:35	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	79-00-5		
Trichloroethene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	54.	1.1	08/01/07 21:35	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	11.	1.1	08/01/07 21:35	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	11.	1.1	08/01/07 21:35	DLK			
o-Xylene	ND	ug/kg	5.4	1.1	08/01/07 21:35	DLK	95-47-6		
Toluene-d8 (S)	97	%		1.0	08/01/07 21:35	DLK	2037-26-5		
4-Bromofluorobenzene (S)	92	%		1.0	08/01/07 21:35	DLK	460-00-4		
Dibromofluoromethane (S)	100	%		1.0	08/01/07 21:35	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	113	%		1.0	08/01/07 21:35	DLK	17060-07-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680289  
Client Sample ID: B-1 (W)

Project Sample Number: 92149570-009  
Matrix: Water

Date Collected: 07/24/07 11:00  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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## Metals

### Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Aluminum	4600	ug/l	100	1.0	07/31/07 03:10	SHB	7429-90-5		
Antimony	ND	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-36-0		
Arsenic	24.	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-38-2		
Barium	41.	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	1.0	07/31/07 03:10	SHB	7440-41-7		
Boron	64.	ug/l	10.	1.0	07/31/07 03:10	SHB	7440-42-8		
Cadmium	ND	ug/l	1.0	1.0	07/31/07 03:10	SHB	7440-43-9		
Calcium	31000	ug/l	100	1.0	07/31/07 03:10	SHB	7440-70-2		
Chromium	23.	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-47-3		
Cobalt	ND	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-48-4		
Copper	10.	ug/l	2.0	1.0	07/31/07 03:10	SHB	7440-50-8		
Iron	16000	ug/l	50.	1.0	07/31/07 03:10	SHB	7439-89-6		
Lead	ND	ug/l	5.0	1.0	07/31/07 03:10	SHB	7439-92-1		
Magnesium	2000	ug/l	100	1.0	07/31/07 03:10	SHB	7439-95-4		
Manganese	130	ug/l	5.0	1.0	07/31/07 03:10	SHB	7439-96-5		
Molybdenum	17.	ug/l	5.0	1.0	07/31/07 03:10	SHB	7439-98-7		
Nickel	18.	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-02-0		
Potassium	ND	ug/l	1000	1.0	07/31/07 03:10	SHB	7440-09-7		
Selenium	ND	ug/l	10.	1.0	07/31/07 03:10	SHB	7782-49-2		
Silicon	11000	ug/l	100	1.0	07/31/07 03:10	SHB	7440-21-3		
Silver	ND	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-22-4		
Sodium	9400	ug/l	1000	1.0	07/31/07 03:10	SHB	7440-23-5		
Strontium	160	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-24-6		
Thallium	ND	ug/l	10.	1.0	07/31/07 03:10	SHB	7440-28-0		
Tin	ND	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-31-5		
Titanium	48.	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-32-6		
Total Hardness	85000	ug/l	2000	1.0	07/31/07 03:10	SHB			
Vanadium	51.	ug/l	5.0	1.0	07/31/07 03:10	SHB	7440-62-2		
Zinc	43.	ug/l	10.	1.0	07/31/07 03:10	SHB	7440-66-6		
Date Digested	07/30/07 16:35				07/30/07 16:35				

### Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	ug/l	0.20	1.0	08/01/07 11:50	JMW	7439-97-6		
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## GC/MS Semivolatiles

### Semivolatile Organics

Prep/Method: EPA 3510 / EPA 8270

Acenaphthene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	83-32-9		
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Date: 08/06/07

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680289 Project Sample Number: 92149570-009 Date Collected: 07/24/07 11:00  
Client Sample ID: B-1 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acenaphthylene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	208-96-8		
Aniline	ND	ug/l	15.	1.5	07/30/07 19:29	BET	62-53-3		
Anthracene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	205-99-2		
Benzo(a)anthracene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	56-55-3		
Benzoic acid	ND	ug/l	75.	1.5	07/30/07 19:29	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	191-24-2		
Benzyl alcohol	ND	ug/l	30.	1.5	07/30/07 19:29	BET	100-51-6		
Benzo(a)pyrene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/l	15.	1.5	07/30/07 19:29	BET	101-55-3		
Butylbenzylphthalate	ND	ug/l	15.	1.5	07/30/07 19:29	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/l	30.	1.5	07/30/07 19:29	BET	59-50-7		
4-Chloroaniline	ND	ug/l	30.	1.5	07/30/07 19:29	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/l	15.	1.5	07/30/07 19:29	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/l	15.	1.5	07/30/07 19:29	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/l	15.	1.5	07/30/07 19:29	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	91-58-7		
2-Chlorophenol	ND	ug/l	15.	1.5	07/30/07 19:29	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/l	15.	1.5	07/30/07 19:29	BET	7005-72-3		
Chrysene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	53-70-3		
Dibenzofuran	ND	ug/l	15.	1.5	07/30/07 19:29	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/l	30.	1.5	07/30/07 19:29	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/l	15.	1.5	07/30/07 19:29	BET	120-83-2		
Diethylphthalate	ND	ug/l	15.	1.5	07/30/07 19:29	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/l	15.	1.5	07/30/07 19:29	BET	105-67-9		
Dimethylphthalate	ND	ug/l	15.	1.5	07/30/07 19:29	BET	131-11-3		
Di-n-butylphthalate	ND	ug/l	15.	1.5	07/30/07 19:29	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/l	75.	1.5	07/30/07 19:29	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/l	75.	1.5	07/30/07 19:29	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	606-20-2		
Di-n-octylphthalate	ND	ug/l	15.	1.5	07/30/07 19:29	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/l	30.	1.5	07/30/07 19:29	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/l	15.	1.5	07/30/07 19:29	BET	117-81-7		

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680289 Project Sample Number: 92149570-009 Date Collected: 07/24/07 11:00  
Client Sample ID: B-1 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Fluoranthene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	206-44-0		
Fluorene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	87-68-3		
Hexachlorobenzene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	77-47-4		
Hexachloroethane	ND	ug/l	15.	1.5	07/30/07 19:29	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	193-39-5		
Isophorone	ND	ug/l	15.	1.5	07/30/07 19:29	BET	78-59-1		
1-Methylnaphthalene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	90-12-0		
2-Methylnaphthalene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/l	15.	1.5	07/30/07 19:29	BET	95-48-7		
3&4-Methylphenol	ND	ug/l	15.	1.5	07/30/07 19:29	BET			
Naphthalene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	91-20-3		
2-Nitroaniline	ND	ug/l	75.	1.5	07/30/07 19:29	BET	88-74-4		
3-Nitroaniline	ND	ug/l	75.	1.5	07/30/07 19:29	BET	99-09-2		
4-Nitroaniline	ND	ug/l	75.	1.5	07/30/07 19:29	BET	100-01-6		
Nitrobenzene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	98-95-3		
2-Nitrophenol	ND	ug/l	15.	1.5	07/30/07 19:29	BET	88-75-5		
4-Nitrophenol	ND	ug/l	75.	1.5	07/30/07 19:29	BET	100-02-7		
N-Nitrosodimethylamine	ND	ug/l	15.	1.5	07/30/07 19:29	BET	62-75-9		
N-Nitroso-di-n-propylamine	ND	ug/l	15.	1.5	07/30/07 19:29	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/l	15.	1.5	07/30/07 19:29	BET	86-30-6		
Pentachlorophenol	ND	ug/l	75.	1.5	07/30/07 19:29	BET	87-86-5		
Phenanthrene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	85-01-8		
Phenol	ND	ug/l	15.	1.5	07/30/07 19:29	BET	108-95-2		
Pyrene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/l	15.	1.5	07/30/07 19:29	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/l	75.	1.5	07/30/07 19:29	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/l	15.	1.5	07/30/07 19:29	BET	88-06-2		
Nitrobenzene-d5 (S)	72	%		1.0	07/30/07 19:29	BET	4165-60-0		
2-Fluorobiphenyl (S)	76	%		1.0	07/30/07 19:29	BET	321-60-8		
Terphenyl-d14 (S)	80	%		1.0	07/30/07 19:29	BET	1718-51-0		
Phenol-d5 (S)	37	%		1.0	07/30/07 19:29	BET	4165-62-2		
2-Fluorophenol (S)	56	%		1.0	07/30/07 19:29	BET	367-12-4		
2,4,6-Tribromophenol (S)	89	%		1.0	07/30/07 19:29	BET	118-79-6		
Date Extracted	07/25/07				07/25/07				

#### GC/MS Volatiles

GC/MS VOCs by 8260

Method: EPA 8260

Date: 08/06/07

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#### REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680289 Project Sample Number: 92149570-009 Date Collected: 07/24/07 11:00  
Client Sample ID: B-1 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	25.	1.0	08/02/07 01:30	MSF	67-64-1		
Benzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	71-43-2		
Bromobenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	108-86-1		
Bromochloromethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	75-27-4		
Bromoform	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	75-25-2		
Bromomethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	1.0	08/02/07 01:30	MSF	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	56-23-5		
Chlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	108-90-7		
Chloroethane	ND	ug/l	10.	1.0	08/02/07 01:30	MSF	75-00-3		
Chloroform	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	67-66-3		
Chloromethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	74-87-3		
2-Chlorotoluene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	106-93-4		
Dibromomethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	108-20-3		
Ethylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	100-41-4		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680289 Project Sample Number: 92149570-009 Date Collected: 07/24/07 11:00  
Client Sample ID: B-1 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Hexachloro-1,3-butadiene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	87-68-3		
2-Hexanone	ND	ug/l	10.	1.0	08/02/07 01:30	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	99-87-6		
Methylene chloride	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	1.0	08/02/07 01:30	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	1634-04-4		
Naphthalene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	103-65-1		
Styrene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	127-18-4		
Toluene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	79-00-5		
Trichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	1.0	08/02/07 01:30	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	108-67-8		
Vinyl acetate	ND	ug/l	10.	1.0	08/02/07 01:30	MSF	108-05-4		
Vinyl chloride	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	75-01-4		
m&p-Xylene	ND	ug/l	10.	1.0	08/02/07 01:30	MSF			
o-Xylene	ND	ug/l	5.0	1.0	08/02/07 01:30	MSF	95-47-6		
Toluene-d8 (S)	102	%		1.0	08/02/07 01:30	MSF	2037-26-5		
4-Bromofluorobenzene (S)	106	%		1.0	08/02/07 01:30	MSF	460-00-4		
Dibromofluoromethane (S)	97	%		1.0	08/02/07 01:30	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	%		1.0	08/02/07 01:30	MSF	17060-07-0		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680297  
Client Sample ID: B-2 (W)

Project Sample Number: 92149570-010  
Matrix: Water

Date Collected: 07/24/07 14:30  
Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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# **Metals**

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010							
Aluminum	1100000	ug/l	2000	20.0	07/31/07 03:15	SHB	7429-90-5		
Antimony	ND	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-36-0		
Arsenic	880	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-38-2		
Barium	7800	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-39-3		
Beryllium	170	ug/l	1.0	1.0	07/31/07 03:15	SHB	7440-41-7		
Boron	ND	ug/l	10.	1.0	07/31/07 03:15	SHB	7440-42-8		
Cadmium	410	ug/l	1.0	1.0	07/31/07 03:15	SHB	7440-43-9		
Calcium	1300000	ug/l	2000	20.0	07/31/07 03:15	SHB	7440-70-2		
Chromium	3000	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-47-3		
Cobalt	400	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-48-4		
Copper	1000	ug/l	2.0	1.0	07/31/07 03:15	SHB	7440-50-8		
Iron	1100000	ug/l	1000	20.0	07/31/07 03:15	SHB	7439-89-6		
Lead	990	ug/l	5.0	1.0	07/31/07 03:15	SHB	7439-92-1		
Magnesium	51000	ug/l	100	1.0	07/31/07 03:15	SHB	7439-95-4		
Manganese	5100	ug/l	5.0	1.0	07/31/07 03:15	SHB	7439-96-5		
Molybdenum	280	ug/l	5.0	1.0	07/31/07 03:15	SHB	7439-98-7		
Nickel	860	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-02-0		
Potassium	66000	ug/l	1000	1.0	07/31/07 03:15	SHB	7440-09-7		
Selenium	610	ug/l	10.	1.0	07/31/07 03:15	SHB	7782-49-2		
Silicon	240000	ug/l	100	1.0	07/31/07 03:15	SHB	7440-21-3		
Silver	ND	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-22-4		
Sodium	53000	ug/l	1000	1.0	07/31/07 03:15	SHB	7440-23-5		
Strontium	13000	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-24-6		
Thallium	38.	ug/l	10.	1.0	07/31/07 03:15	SHB	7440-28-0		
Tin	42.	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-31-5		
Titanium	580	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-32-6		
Total Hardness	3200000	ug/l	2000	1.0	07/31/07 03:15	SHB			
Vanadium	3000	ug/l	5.0	1.0	07/31/07 03:15	SHB	7440-62-2		
Zinc	2700	ug/l	10.	1.0	07/31/07 03:15	SHB	7440-66-6		
Date Digested	07/30/07 16:35			07/30/07 16:35					

Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	8.4	ug/l	0.40	2.0	08/01/07 14:43	JMW	7439-97-6		

# **GC/MS Semivolatiles**

Semivolatile Organics	Prep/Method: EPA 3510 / EPA 8270								
Acenaphthene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	83-32-9		

Date: 08/06/07

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680297 Project Sample Number: 92149570-010 Date Collected: 07/24/07 14:30  
Client Sample ID: B-2 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acenaphthylene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	208-96-8		
Aniline	ND	ug/l	24.	2.4	07/30/07 19:49	BET	62-53-3		
Anthracene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	205-99-2		
Benzo(a)anthracene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	56-55-3		
Benzoic acid	ND	ug/l	120	2.4	07/30/07 19:49	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	191-24-2		
Benzyl alcohol	ND	ug/l	49.	2.4	07/30/07 19:49	BET	100-51-6		
Benzo(a)pyrene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/l	24.	2.4	07/30/07 19:49	BET	101-55-3		
Butylbenzylphthalate	ND	ug/l	24.	2.4	07/30/07 19:49	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/l	49.	2.4	07/30/07 19:49	BET	59-50-7		
4-Chloroaniline	ND	ug/l	49.	2.4	07/30/07 19:49	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/l	24.	2.4	07/30/07 19:49	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/l	24.	2.4	07/30/07 19:49	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/l	24.	2.4	07/30/07 19:49	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	91-58-7		
2-Chlorophenol	ND	ug/l	24.	2.4	07/30/07 19:49	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/l	24.	2.4	07/30/07 19:49	BET	7005-72-3		
Chrysene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	53-70-3		
Dibenzofuran	ND	ug/l	24.	2.4	07/30/07 19:49	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/l	49.	2.4	07/30/07 19:49	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/l	24.	2.4	07/30/07 19:49	BET	120-83-2		
Diethylphthalate	ND	ug/l	24.	2.4	07/30/07 19:49	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/l	24.	2.4	07/30/07 19:49	BET	105-67-9		
Dimethylphthalate	ND	ug/l	24.	2.4	07/30/07 19:49	BET	131-11-3		
Di-n-butylphthalate	ND	ug/l	24.	2.4	07/30/07 19:49	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/l	120	2.4	07/30/07 19:49	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/l	120	2.4	07/30/07 19:49	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	606-20-2		
Di-n-octylphthalate	ND	ug/l	24.	2.4	07/30/07 19:49	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/l	49.	2.4	07/30/07 19:49	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/l	24.	2.4	07/30/07 19:49	BET	117-81-7		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680297 Project Sample Number: 92149570-010 Date Collected: 07/24/07 14:30  
Client Sample ID: B-2 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Fluoranthene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	206-44-0		
Fluorene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	87-68-3		
Hexachlorobenzene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	77-47-4		
Hexachloroethane	ND	ug/l	24.	2.4	07/30/07 19:49	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	193-39-5		
Isophorone	ND	ug/l	24.	2.4	07/30/07 19:49	BET	78-59-1		
1-Methylnaphthalene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	90-12-0		
2-Methylnaphthalene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/l	24.	2.4	07/30/07 19:49	BET	95-48-7		
3&4-Methylphenol	ND	ug/l	24.	2.4	07/30/07 19:49	BET			
Naphthalene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	91-20-3		
2-Nitroaniline	ND	ug/l	120	2.4	07/30/07 19:49	BET	88-74-4		
3-Nitroaniline	ND	ug/l	120	2.4	07/30/07 19:49	BET	99-09-2		
4-Nitroaniline	ND	ug/l	120	2.4	07/30/07 19:49	BET	100-01-6		
Nitrobenzene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	98-95-3		
2-Nitrophenol	ND	ug/l	24.	2.4	07/30/07 19:49	BET	88-75-5		
4-Nitrophenol	ND	ug/l	120	2.4	07/30/07 19:49	BET	100-02-7		
N-Nitrosodimethylamine	ND	ug/l	24.	2.4	07/30/07 19:49	BET	62-75-9		
N-Nitroso-di-n-propylamine	ND	ug/l	24.	2.4	07/30/07 19:49	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/l	24.	2.4	07/30/07 19:49	BET	86-30-6		
Pentachlorophenol	ND	ug/l	120	2.4	07/30/07 19:49	BET	87-86-5		
Phenanthrene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	85-01-8		
Phenol	ND	ug/l	24.	2.4	07/30/07 19:49	BET	108-95-2		
Pyrene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/l	24.	2.4	07/30/07 19:49	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/l	120	2.4	07/30/07 19:49	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/l	24.	2.4	07/30/07 19:49	BET	88-06-2		
Nitrobenzene-d5 (S)	46	%		1.0	07/30/07 19:49	BET	4165-60-0		
2-Fluorobiphenyl (S)	50	%		1.0	07/30/07 19:49	BET	321-60-8		
Terphenyl-d14 (S)	62	%		1.0	07/30/07 19:49	BET	1718-51-0		
Phenol-d5 (S)	28	%		1.0	07/30/07 19:49	BET	4165-62-2		
2-Fluorophenol (S)	36	%		1.0	07/30/07 19:49	BET	367-12-4		
2,4,6-Tribromophenol (S)	62	%		1.0	07/30/07 19:49	BET	118-79-6		
Date Extracted	07/25/07				07/25/07				

#### GC/MS Volatiles

GC/MS VOCs by 8260

Method: EPA 8260

Date: 08/06/07

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#### REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680297 Project Sample Number: 92149570-010 Date Collected: 07/24/07 14:30  
Client Sample ID: B-2 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	55.	ug/l	25.	1.0	08/02/07 02:17	MSF	67-64-1		
Benzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	71-43-2		
Bromobenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	108-86-1		
Bromochloromethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	75-27-4		
Bromoform	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	75-25-2		
Bromomethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	1.0	08/02/07 02:17	MSF	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	56-23-5		
Chlorobenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	108-90-7		
Chloroethane	ND	ug/l	10.	1.0	08/02/07 02:17	MSF	75-00-3		
Chloroform	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	67-66-3		
Chloromethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	74-87-3		
2-Chlorotoluene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	106-93-4		
Dibromomethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	108-20-3		
Ethylbenzene	ND	ug/l	5.0	1.0	08/02/07 02:17	MSF	100-41-4		

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928680297 Project Sample Number: 92149570-010 Date Collected: 07/24/07 14:30  
Client Sample ID: B-2 (W) Matrix: Water Date Received: 07/25/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Hexachloro-1,3-butadiene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	87-68-3			
2-Hexanone	ND	ug/l	10.	1.0	08/02/07 02:17 MSF	591-78-6			
Isopropylbenzene (Cumene)	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	98-82-8			
p-Isopropyltoluene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	99-87-6			
Methylene chloride	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	75-09-2			
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	1.0	08/02/07 02:17 MSF	108-10-1			
Methyl-tert-butyl ether	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	1634-04-4			
Naphthalene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	91-20-3			
n-Propylbenzene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	103-65-1			
Styrene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	100-42-5			
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	630-20-6			
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	79-34-5			
Tetrachloroethene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	127-18-4			
Toluene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	108-88-3			
1,2,3-Trichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	87-61-6			
1,2,4-Trichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	120-82-1			
1,1,1-Trichloroethane	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	71-55-6			
1,1,2-Trichloroethane	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	79-00-5			
Trichloroethene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	79-01-6			
Trichlorofluoromethane	ND	ug/l	10.	1.0	08/02/07 02:17 MSF	75-69-4			
1,2,3-Trichloropropane	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	96-18-4			
1,2,4-Trimethylbenzene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	95-63-6			
1,3,5-Trimethylbenzene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	108-67-8			
Vinyl acetate	ND	ug/l	10.	1.0	08/02/07 02:17 MSF	108-05-4			
Vinyl chloride	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	75-01-4			
m&p-Xylene	ND	ug/l	10.	1.0	08/02/07 02:17 MSF				
o-Xylene	ND	ug/l	5.0	1.0	08/02/07 02:17 MSF	95-47-6			
Toluene-d8 (S)	103	%		1.0	08/02/07 02:17 MSF	2037-26-5			
4-Bromofluorobenzene (S)	104	%		1.0	08/02/07 02:17 MSF	460-00-4			
Dibromofluoromethane (S)	97	%		1.0	08/02/07 02:17 MSF	1868-53-7			
1,2-Dichloroethane-d4 (S)	97	%		1.0	08/02/07 02:17 MSF	17060-07-0			

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

#### PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND Not detected at or above adjusted reporting limit  
NC Not Calculable  
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit  
MDL Adjusted Method Detection Limit  
(S) Surrogate  
[1] The surrogate recovery was above the QC recovery limit. The sample was not re-extracted since no target analytes were detected in the sample.  
[2] Common laboratory contaminant.

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 194633	Analysis Method: EPA 8270
QC Batch Method: EPA 3510	Analysis Description: Semivolatile Organics
Associated Lab Samples: 928680289	928680297

METHOD BLANK: 928682897  
Associated Lab Samples: 928680289 928680297

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acenaphthene	ug/l	ND	10.	
Acenaphthylene	ug/l	ND	10.	
Aniline	ug/l	ND	10.	
Anthracene	ug/l	ND	10.	
Benzo(k)fluoranthene	ug/l	ND	10.	
Benzo(b)fluoranthene	ug/l	ND	10.	
Benzo(a)anthracene	ug/l	ND	10.	
Benzoic acid	ug/l	ND	50.	
Benzo(g,h,i)perylene	ug/l	ND	10.	
Benzyl alcohol	ug/l	ND	20.	
Benzo(a)pyrene	ug/l	ND	10.	
4-Bromophenylphenyl ether	ug/l	ND	10.	
Butylbenzylphthalate	ug/l	ND	10.	
4-Chloro-3-methylphenol	ug/l	ND	20.	
4-Chloroaniline	ug/l	ND	20.	
bis(2-Chloroethoxy)methane	ug/l	ND	10.	
bis(2-Chloroethyl) ether	ug/l	ND	10.	
bis(2-Chloroisopropyl) ether	ug/l	ND	10.	
2-Chloronaphthalene	ug/l	ND	10.	
2-Chlorophenol	ug/l	ND	10.	
4-Chlorophenylphenyl ether	ug/l	ND	10.	
Chrysene	ug/l	ND	10.	
Dibenz(a,h)anthracene	ug/l	ND	10.	
Dibenzofuran	ug/l	ND	10.	
1,2-Dichlorobenzene	ug/l	ND	10.	
1,3-Dichlorobenzene	ug/l	ND	10.	
1,4-Dichlorobenzene	ug/l	ND	10.	
3,3'-Dichlorobenzidine	ug/l	ND	20.	
2,4-Dichlorophenol	ug/l	ND	10.	
Diethylphthalate	ug/l	ND	10.	
2,4-Dimethylphenol	ug/l	ND	10.	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928682897

Associated Lab Samples: 928680289 928680297

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Dimethylphthalate	ug/l	ND	10.	
Di-n-butylphthalate	ug/l	ND	10.	
4,6-Dinitro-2-methylphenol	ug/l	ND	50.	
2,4-Dinitrophenol	ug/l	ND	50.	
2,4-Dinitrotoluene	ug/l	ND	10.	
2,6-Dinitrotoluene	ug/l	ND	10.	
Di-n-octylphthalate	ug/l	ND	10.	
1,2-Diphenylhydrazine	ug/l	ND	20.	
bis(2-Ethylhexyl)phthalate	ug/l	ND	10.	
Fluoranthene	ug/l	ND	10.	
Fluorene	ug/l	ND	10.	
Hexachloro-1,3-butadiene	ug/l	ND	10.	
Hexachlorobenzene	ug/l	ND	10.	
Hexachlorocyclopentadiene	ug/l	ND	10.	
Hexachloroethane	ug/l	ND	10.	
Indeno(1,2,3-cd)pyrene	ug/l	ND	10.	
Isophorone	ug/l	ND	10.	
1-Methylnaphthalene	ug/l	ND	10.	
2-Methylnaphthalene	ug/l	ND	10.	
2-Methylphenol (o-Cresol)	ug/l	ND	10.	
3&4-Methylphenol	ug/l	ND	10.	
Naphthalene	ug/l	ND	10.	
2-Nitroaniline	ug/l	ND	50.	
3-Nitroaniline	ug/l	ND	50.	
4-Nitroaniline	ug/l	ND	50.	
Nitrobenzene	ug/l	ND	10.	
2-Nitrophenol	ug/l	ND	10.	
4-Nitrophenol	ug/l	ND	50.	
N-Nitrosodimethylamine	ug/l	ND	10.	
N-Nitroso-di-n-propylamine	ug/l	ND	10.	
N-Nitrosodiphenylamine	ug/l	ND	10.	
Pentachlorophenol	ug/l	ND	50.	
Phenanthrene	ug/l	ND	10.	
Phenol	ug/l	ND	10.	
Pyrene	ug/l	ND	10.	
1,2,4-Trichlorobenzene	ug/l	ND	10.	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928682897

Associated Lab Samples: 928680289 928680297

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
2,4,5-Trichlorophenol	ug/l	ND	50.	
2,4,6-Trichlorophenol	ug/l	ND	10.	
Nitrobenzene-d5 (S)	%	48		
2-Fluorobiphenyl (S)	%	51		
Terphenyl-d14 (S)	%	54		
Phenol-d5 (S)	%	18		
2-Fluorophenol (S)	%	32		
2,4,6-Tribromophenol (S)	%	54		

LABORATORY CONTROL SAMPLE: 928652452

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acenaphthene	ug/l	50.00	30.99	62	
Acenaphthylene	ug/l	50.00	33.05	66	
Aniline	ug/l	50.00	37.83	76	
Anthracene	ug/l	50.00	31.67	63	
Benzo(k)fluoranthene	ug/l	50.00	29.46	59	
Benzo(b)fluoranthene	ug/l	50.00	28.31	57	
Benzo(a)anthracene	ug/l	50.00	35.92	72	
Benzoic acid	ug/l	50.00	13.32	27	
Benzo(g,h,i)perylene	ug/l	50.00	39.58	79	
Benzyl alcohol	ug/l	50.00	26.07	52	
Benzo(a)pyrene	ug/l	50.00	36.61	73	
4-Bromophenylphenyl ether	ug/l	50.00	32.14	64	
Butylbenzylphthalate	ug/l	50.00	34.16	68	
4-Chloro-3-methylphenol	ug/l	50.00	33.71	67	
4-Chloroaniline	ug/l	50.00	47.64	95	
bis(2-Chloroethoxy)methane	ug/l	50.00	34.46	69	
bis(2-Chloroethyl) ether	ug/l	50.00	28.14	56	
bis(2-Chloroisopropyl) ether	ug/l	50.00	32.43	65	
2-Chloronaphthalene	ug/l	50.00	28.47	57	
2-Chlorophenol	ug/l	50.00	32.83	66	
4-Chlorophenylphenyl ether	ug/l	50.00	31.21	62	
Chrysene	ug/l	50.00	34.27	68	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928652452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Dibenz(a,h)anthracene	ug/l	50.00	39.89	80	
Dibenzofuran	ug/l	50.00	30.46	61	
1,2-Dichlorobenzene	ug/l	50.00	27.55	55	
1,3-Dichlorobenzene	ug/l	50.00	26.15	52	
1,4-Dichlorobenzene	ug/l	50.00	25.43	51	
3,3'-Dichlorobenzidine	ug/l	100.00	24.14	24	
2,4-Dichlorophenol	ug/l	50.00	31.83	64	
Diethylphthalate	ug/l	50.00	32.42	65	
2,4-Dimethylphenol	ug/l	50.00	33.43	67	
Dimethylphthalate	ug/l	50.00	33.16	66	
Di-n-butylphthalate	ug/l	50.00	33.92	68	
4,6-Dinitro-2-methylphenol	ug/l	50.00	35.79	72	
2,4-Dinitrophenol	ug/l	50.00	44.26	88	
2,4-Dinitrotoluene	ug/l	50.00	32.80	66	
2,6-Dinitrotoluene	ug/l	50.00	32.25	64	
Di-n-octylphthalate	ug/l	50.00	34.07	68	
1,2-Diphenylhydrazine	ug/l	50.00	37.87	76	
bis(2-Ethylhexyl)phthalate	ug/l	50.00	34.08	68	
Fluoranthene	ug/l	50.00	34.56	69	
Fluorene	ug/l	50.00	31.97	64	
Hexachloro-1,3-butadiene	ug/l	50.00	24.55	49	
Hexachlorobenzene	ug/l	50.00	29.42	59	
Hexachlorocyclopentadiene	ug/l	50.00	23.71	47	
Hexachloroethane	ug/l	50.00	24.03	48	
Indeno(1,2,3-cd)pyrene	ug/l	50.00	39.95	80	
Isophorone	ug/l	50.00	37.90	76	
1-Methylnaphthalene	ug/l	50.00	36.67	73	
2-Methylnaphthalene	ug/l	50.00	30.14	60	
2-Methylphenol (o-Cresol)	ug/l	50.00	33.46	67	
3&4-Methylphenol	ug/l	50.00	29.30	59	
Naphthalene	ug/l	50.00	31.11	62	
2-Nitroaniline	ug/l	50.00	32.86	66	
3-Nitroaniline	ug/l	50.00	32.79	66	
4-Nitroaniline	ug/l	50.00	30.73	62	
Nitrobenzene	ug/l	50.00	33.56	67	
2-Nitrophenol	ug/l	50.00	34.28	69	
4-Nitrophenol	ug/l	50.00	20.38	41	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928652452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
N-Nitrosodimethylamine	ug/l	50.00	11.85	24	
N-Nitroso-di-n-propylamine	ug/l	50.00	35.33	71	
N-Nitrosodiphenylamine	ug/l	50.00	33.11	66	
Pentachlorophenol	ug/l	50.00	13.48	27	
Phenanthrene	ug/l	50.00	33.50	67	
Phenol	ug/l	50.00	15.31	31	
Pyrene	ug/l	50.00	34.06	68	
1,2,4-Trichlorobenzene	ug/l	50.00	27.36	55	
2,4,5-Trichlorophenol	ug/l	50.00	32.13	64	
2,4,6-Trichlorophenol	ug/l	50.00	31.25	62	
Nitrobenzene-d5 (S)				60	
2-Fluorobiphenyl (S)				60	
Terphenyl-d14 (S)				64	
Phenol-d5 (S)				26	
2-Fluorophenol (S)				37	
2,4,6-Tribromophenol (S)				61	

LABORATORY CONTROL SAMPLE: 928682905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acenaphthene	ug/l	50.00	27.98	56	
Acenaphthylene	ug/l	50.00	27.63	55	
Aniline	ug/l	50.00	18.12	36	
Anthracene	ug/l	50.00	29.74	60	
Benzo(k)fluoranthene	ug/l	50.00	24.40	49	
Benzo(b)fluoranthene	ug/l	50.00	22.60	45	
Benzo(a)anthracene	ug/l	50.00	28.56	57	
Benzoic acid	ug/l	50.00	7.790	16	
Benzo(g,h,i)perylene	ug/l	50.00	29.42	59	
Benzyl alcohol	ug/l	50.00	17.57	35	
Benzo(a)pyrene	ug/l	50.00	29.49	59	
4-Bromophenylphenyl ether	ug/l	50.00	26.14	52	
Butylbenzylphthalate	ug/l	50.00	25.84	52	
4-Chloro-3-methylphenol	ug/l	50.00	30.20	60	
4-Chloroaniline	ug/l	50.00	36.77	74	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928682905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
bis(2-Chloroethoxy)methane	ug/l	50.00	27.02	54	
bis(2-Chloroethyl) ether	ug/l	50.00	21.85	44	
bis(2-Chloroisopropyl) ether	ug/l	50.00	22.52	45	
2-Chloronaphthalene	ug/l	50.00	25.20	50	
2-Chlorophenol	ug/l	50.00	24.99	50	
4-Chlorophenylphenyl ether	ug/l	50.00	27.71	55	
Chrysene	ug/l	50.00	27.80	56	
Dibenz(a,h)anthracene	ug/l	50.00	29.20	58	
Dibenzofuran	ug/l	50.00	26.03	52	
1,2-Dichlorobenzene	ug/l	50.00	20.58	41	
1,3-Dichlorobenzene	ug/l	50.00	20.09	40	
1,4-Dichlorobenzene	ug/l	50.00	18.98	38	
3,3'-Dichlorobenzidine	ug/l	100.00	17.49	18	1
2,4-Dichlorophenol	ug/l	50.00	29.22	58	
Diethylphthalate	ug/l	50.00	28.95	58	
2,4-Dimethylphenol	ug/l	50.00	28.08	56	
Dimethylphthalate	ug/l	50.00	27.95	56	
Di-n-butylphthalate	ug/l	50.00	28.43	57	
4,6-Dinitro-2-methylphenol	ug/l	50.00	30.00	60	
2,4-Dinitrophenol	ug/l	50.00	26.72	53	
2,4-Dinitrotoluene	ug/l	50.00	27.02	54	
2,6-Dinitrotoluene	ug/l	50.00	26.86	54	
Di-n-octylphthalate	ug/l	50.00	23.92	48	
1,2-Diphenylhydrazine	ug/l	50.00	25.93	52	
bis(2-Ethylhexyl)phthalate	ug/l	50.00	25.49	51	
Fluoranthene	ug/l	50.00	29.97	60	
Fluorene	ug/l	50.00	29.91	60	
Hexachloro-1,3-butadiene	ug/l	50.00	20.05	40	
Hexachlorobenzene	ug/l	50.00	26.10	52	
Hexachlorocyclopentadiene	ug/l	50.00	15.83	32	
Hexachloroethane	ug/l	50.00	18.49	37	
Indeno(1,2,3-cd)pyrene	ug/l	50.00	29.07	58	
Isophorone	ug/l	50.00	29.67	59	
1-Methylnaphthalene	ug/l	50.00	33.82	68	
2-Methylnaphthalene	ug/l	50.00	24.00	48	
2-Methylphenol (o-Cresol)	ug/l	50.00	24.70	49	
3&4-Methylphenol	ug/l	50.00	23.38	47	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928682905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Naphthalene	ug/l	50.00	27.07	54	
2-Nitroaniline	ug/l	50.00	26.76	54	
3-Nitroaniline	ug/l	50.00	30.95	62	
4-Nitroaniline	ug/l	50.00	27.27	54	
Nitrobenzene	ug/l	50.00	25.64	51	
2-Nitrophenol	ug/l	50.00	28.30	57	
4-Nitrophenol	ug/l	50.00	19.69	39	
N-Nitrosodimethylamine	ug/l	50.00	17.64	35	
N-Nitroso-di-n-propylamine	ug/l	50.00	25.73	52	
N-Nitrosodiphenylamine	ug/l	50.00	26.54	53	
Pentachlorophenol	ug/l	50.00	24.54	49	
Phenanthrene	ug/l	50.00	27.87	56	
Phenol	ug/l	50.00	12.22	24	
Pyrene	ug/l	50.00	28.83	58	
1,2,4-Trichlorobenzene	ug/l	50.00	22.62	45	
2,4,5-Trichlorophenol	ug/l	50.00	29.93	60	
2,4,6-Trichlorophenol	ug/l	50.00	28.18	56	
Nitrobenzene-d5 (S)				50	
2-Fluorobiphenyl (S)				52	
Terphenyl-d14 (S)				55	
Phenol-d5 (S)				21	
2-Fluorophenol (S)				32	
2,4,6-Tribromophenol (S)				56	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928652460 928652478

Parameter	Units	928634427 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Acenaphthene	ug/l	0	100.00	49.86	61.56	50	62	21	
4-Chloro-3-methylphenol	ug/l	0	100.00	55.95	65.62	56	66	16	
2-Chlorophenol	ug/l	0	100.00	53.95	66.87	54	67	21	
1,4-Dichlorobenzene	ug/l	0	100.00	43.42	54.64	43	55	23	
2,4-Dinitrotoluene	ug/l	0	100.00	53.15	65.81	53	66	21	
4-Nitrophenol	ug/l	0	100.00	20.99	23.93	21	24	13	
N-Nitroso-di-n-propylamine	ug/l	0	100.00	55.48	69.97	56	70	23	
Pentachlorophenol	ug/l	0	100.00	15.55	15.34	16	15	1	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928652460 928652478

Parameter	Units	928634427 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Phenol	ug/l	0	100.00	25.71	28.48	26	28	10	
Pyrene	ug/l	0	100.00	55.28	64.18	55	64	15	
1,2,4-Trichlorobenzene	ug/l	0	100.00	43.32	57.18	43	57	28	
Nitrobenzene-d5 (S)						52	56		
2-Fluorobiphenyl (S)						48	58		
Terphenyl-d14 (S)						52	58		
Phenol-d5 (S)						19	22		
2-Fluorophenol (S)						30	35		
2,4,6-Tribromophenol (S)						48	53		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195490	Analysis Method: EPA 8270				
QC Batch Method: EPA 3545	Analysis Description: Semivolatile Organics				
Associated Lab Samples:	928680206	928680214	928680222	928680230	928680248
	928680255	928680263	928680271		

METHOD BLANK: 928687508							
Associated Lab Samples:	928680206	928680214	928680222	928680230	928680248	928680255	928680263
	928680271						

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Acenaphthene	ug/kg	ND	330	
Acenaphthylene	ug/kg	ND	330	
Anthracene	ug/kg	ND	330	
Benzo(k)fluoranthene	ug/kg	ND	330	
Benzo(b)fluoranthene	ug/kg	ND	330	
Benzo(a)anthracene	ug/kg	ND	330	
Benzoic acid	ug/kg	ND	1600	
Benzo(g,h,i)perylene	ug/kg	ND	330	
Benzyl alcohol	ug/kg	ND	660	
Benzo(a)pyrene	ug/kg	ND	330	
4-Bromophenylphenyl ether	ug/kg	ND	330	
Butylbenzylphthalate	ug/kg	ND	330	
4-Chloro-3-methylphenol	ug/kg	ND	660	
4-Chloroaniline	ug/kg	ND	660	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	
bis(2-Chloroethyl) ether	ug/kg	ND	330	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	
2-Chloronaphthalene	ug/kg	ND	330	
2-Chlorophenol	ug/kg	ND	330	
4-Chlorophenylphenyl ether	ug/kg	ND	330	
Chrysene	ug/kg	ND	330	
Dibenz(a,h)anthracene	ug/kg	ND	330	
Dibenzofuran	ug/kg	ND	330	
1,2-Dichlorobenzene	ug/kg	ND	330	
1,3-Dichlorobenzene	ug/kg	ND	330	
1,4-Dichlorobenzene	ug/kg	ND	330	
3,3'-Dichlorobenzidine	ug/kg	ND	660	
2,4-Dichlorophenol	ug/kg	ND	330	
Diethylphthalate	ug/kg	ND	330	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928687508

Associated Lab Samples: 928680206 928680214 928680222 928680230 928680248 928680255 928680263  
928680271

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
2,4-Dimethylphenol	ug/kg	ND	330	
Dimethylphthalate	ug/kg	ND	330	
Di-n-butylphthalate	ug/kg	ND	330	
4,6-Dinitro-2-methylphenol	ug/kg	ND	330	
2,4-Dinitrophenol	ug/kg	ND	1600	
2,4-Dinitrotoluene	ug/kg	ND	330	
2,6-Dinitrotoluene	ug/kg	ND	330	
Di-n-octylphthalate	ug/kg	ND	330	
1,2-Diphenylhydrazine	ug/kg	ND	330	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	
Fluoranthene	ug/kg	ND	330	
Fluorene	ug/kg	ND	330	
Hexachloro-1,3-butadiene	ug/kg	ND	330	
Hexachlorobenzene	ug/kg	ND	330	
Hexachlorocyclopentadiene	ug/kg	ND	330	
Hexachloroethane	ug/kg	ND	330	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	
Isophorone	ug/kg	ND	330	
1-Methylnaphthalene	ug/kg	ND	330	
2-Methylnaphthalene	ug/kg	ND	330	
2-Methylphenol (o-Cresol)	ug/kg	ND	330	
3&4-Methylphenol	ug/kg	ND	330	
Naphthalene	ug/kg	ND	330	
2-Nitroaniline	ug/kg	ND	1600	
3-Nitroaniline	ug/kg	ND	1600	
4-Nitroaniline	ug/kg	ND	1600	
Nitrobenzene	ug/kg	ND	330	
2-Nitrophenol	ug/kg	ND	330	
4-Nitrophenol	ug/kg	ND	1600	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	
N-Nitrosodiphenylamine	ug/kg	ND	330	
Pentachlorophenol	ug/kg	ND	1600	
Phenanthrene	ug/kg	ND	330	
Phenol	ug/kg	ND	330	
Pyrene	ug/kg	ND	330	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928687508

Associated Lab Samples: 928680206 928680214 928680222 928680230 928680248 928680255 928680263  
928680271

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
1,2,4-Trichlorobenzene	ug/kg	ND	330	
2,4,5-Trichlorophenol	ug/kg	ND	330	
2,4,6-Trichlorophenol	ug/kg	ND	330	
Nitrobenzene-d5 (S)	%	52		
2-Fluorobiphenyl (S)	%	67		
Terphenyl-d14 (S)	%	65		
Phenol-d5 (S)	%	56		
2-Fluorophenol (S)	%	61		
2,4,6-Tribromophenol (S)	%	63		

LABORATORY CONTROL SAMPLE: 928687516

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acenaphthene	ug/kg	1667.00	1323	79	
Acenaphthylene	ug/kg	1667.00	1407	84	
Anthracene	ug/kg	1667.00	1517	91	
Benzo(k)fluoranthene	ug/kg	1667.00	1248	75	
Benzo(b)fluoranthene	ug/kg	1667.00	1285	77	
Benzo(a)anthracene	ug/kg	1667.00	1386	83	
Benzoic acid	ug/kg	1667.00	702.7	42	
Benzo(g,h,i)perylene	ug/kg	1667.00	1474	88	
Benzyl alcohol	ug/kg	1667.00	905.7	54	
Benzo(a)pyrene	ug/kg	1667.00	1465	88	
4-Bromophenylphenyl ether	ug/kg	1667.00	1401	84	
Butylbenzylphthalate	ug/kg	1667.00	1265	76	
4-Chloro-3-methylphenol	ug/kg	1667.00	1469	88	
4-Chloroaniline	ug/kg	1667.00	1829	110	
bis(2-Chloroethoxy)methane	ug/kg	1667.00	1309	78	
bis(2-Chloroethyl) ether	ug/kg	1667.00	1163	70	
bis(2-Chloroisopropyl) ether	ug/kg	1667.00	1059	64	
2-Chloronaphthalene	ug/kg	1667.00	1272	76	
2-Chlorophenol	ug/kg	1667.00	1142	68	
4-Chlorophenylphenyl ether	ug/kg	1667.00	1354	81	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928687516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chrysene	ug/kg	1667.00	1414	85	
Dibenz(a,h)anthracene	ug/kg	1667.00	1450	87	
Dibenzofuran	ug/kg	1667.00	1282	77	
1,2-Dichlorobenzene	ug/kg	1667.00	1038	62	
1,3-Dichlorobenzene	ug/kg	1667.00	1026	62	
1,4-Dichlorobenzene	ug/kg	1667.00	1001	60	
3,3'-Dichlorobenzidine	ug/kg	3333.00	1176	35	
2,4-Dichlorophenol	ug/kg	1667.00	1378	83	
Diethylphthalate	ug/kg	1667.00	1356	81	
2,4-Dimethylphenol	ug/kg	1667.00	1441	86	
Dimethylphthalate	ug/kg	1667.00	1368	82	
Di-n-butylphthalate	ug/kg	1667.00	1302	78	
4,6-Dinitro-2-methylphenol	ug/kg	1667.00	1424	86	
2,4-Dinitrophenol	ug/kg	1667.00	1250	75	
2,4-Dinitrotoluene	ug/kg	1667.00	1306	78	
2,6-Dinitrotoluene	ug/kg	1667.00	1304	78	
Di-n-octylphthalate	ug/kg	1667.00	1199	72	
1,2-Diphenylhydrazine	ug/kg	1667.00	1388	83	
bis(2-Ethylhexyl)phthalate	ug/kg	1667.00	1246	75	
Fluoranthene	ug/kg	1667.00	1474	88	
Fluorene	ug/kg	1667.00	1452	87	
Hexachloro-1,3-butadiene	ug/kg	1667.00	1166	70	
Hexachlorobenzene	ug/kg	1667.00	1312	79	
Hexachlorocyclopentadiene	ug/kg	1667.00	957.4	57	
Hexachloroethane	ug/kg	1667.00	975.8	58	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	1429	86	
Isophorone	ug/kg	1667.00	1447	87	
1-Methylnaphthalene	ug/kg	1667.00	1724	103	
2-Methylnaphthalene	ug/kg	1667.00	1252	75	
2-Methylphenol (o-Cresol)	ug/kg	1667.00	1329	80	
3&4-Methylphenol	ug/kg	1667.00	1406	84	
Naphthalene	ug/kg	1667.00	1320	79	
2-Nitroaniline	ug/kg	1667.00	1402	84	
3-Nitroaniline	ug/kg	1667.00	1517	91	
4-Nitroaniline	ug/kg	1667.00	1459	88	
Nitrobenzene	ug/kg	1667.00	1211	73	
2-Nitrophenol	ug/kg	1667.00	1326	80	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928687516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
4-Nitrophenol	ug/kg	1667.00	956.4	57	
N-Nitroso-di-n-propylamine	ug/kg	1667.00	1229	74	
N-Nitrosodiphenylamine	ug/kg	1667.00	1352	81	
Pentachlorophenol	ug/kg	1667.00	1138	68	
Phenanthrene	ug/kg	1667.00	1377	83	
Phenol	ug/kg	1667.00	1254	75	
Pyrene	ug/kg	1667.00	1399	84	
1,2,4-Trichlorobenzene	ug/kg	1667.00	1189	71	
2,4,5-Trichlorophenol	ug/kg	1667.00	1436	86	
2,4,6-Trichlorophenol	ug/kg	1667.00	1376	82	
Nitrobenzene-d5 (S)				73	
2-Fluorobiphenyl (S)				78	
Terphenyl-d14 (S)				85	
Phenol-d5 (S)				70	
2-Fluorophenol (S)				63	
2,4,6-Tribromophenol (S)				82	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928687524 928687532

Parameter	Units	928679513 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Acenaphthene	ug/kg	0	1873.00	1018	1181	54	63	15	
1,4-Dichlorobenzene	ug/kg	0	1873.00	867.3	1052	46	56	19	
2,4-Dinitrotoluene	ug/kg	0	1873.00	909.4	1094	48	58	18	
N-Nitroso-di-n-propylamine	ug/kg	0	1873.00	1073	1289	57	69	18	
Pyrene	ug/kg	0	1873.00	1132	1323	60	71	16	
1,2,4-Trichlorobenzene	ug/kg	0	1873.00	918.7	1096	49	58	18	
Nitrobenzene-d5 (S)						56	54		
2-Fluorobiphenyl (S)						51	52		
Terphenyl-d14 (S)						53	62		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195868	Analysis Method: EPA 8260			
QC Batch Method: EPA 8260	Analysis Description: GC/MS VOCs 5035/8260 low level			
Associated Lab Samples:	928680206	928680214	928680222	928680230
	928680255	928680263		

METHOD BLANK: 928704055							
Associated Lab Samples:	928680206	928680214	928680222	928680230	928680248	928680255	928680263

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
2-Butanone (MEK)	ug/kg	ND	100	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928704055

Associated Lab Samples: 928680206 928680214 928680222 928680230 928680248 928680255 928680263

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928704055

Associated Lab Samples: 928680206 928680214 928680222 928680230 928680248 928680255 928680263

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Toluene-d8 (S)	%	99		
4-Bromofluorobenzene (S)	%	95		
Dibromofluoromethane (S)	%	104		
1,2-Dichloroethane-d4 (S)	%	111		

LABORATORY CONTROL SAMPLE: 928704063

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/kg	100.00	140.9	141	
Benzene	ug/kg	50.00	50.82	102	
Bromobenzene	ug/kg	50.00	50.48	101	
Bromochloromethane	ug/kg	50.00	57.03	114	
Bromodichloromethane	ug/kg	50.00	58.27	117	
Bromoform	ug/kg	50.00	65.57	131	
Bromomethane	ug/kg	50.00	52.25	104	
2-Butanone (MEK)	ug/kg	100.00	144.7	145	2
n-Butylbenzene	ug/kg	50.00	47.19	94	
sec-Butylbenzene	ug/kg	50.00	48.84	98	
tert-Butylbenzene	ug/kg	50.00	50.99	102	
Carbon tetrachloride	ug/kg	50.00	53.15	106	
Chlorobenzene	ug/kg	50.00	50.92	102	
Chloroethane	ug/kg	50.00	46.33	93	
Chloroform	ug/kg	50.00	55.98	112	
Chloromethane	ug/kg	50.00	39.87	80	
2-Chlorotoluene	ug/kg	50.00	48.50	97	
4-Chlorotoluene	ug/kg	50.00	49.23	98	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	62.01	124	
Dibromochloromethane	ug/kg	50.00	60.66	121	
1,2-Dibromoethane (EDB)	ug/kg	50.00	56.85	114	
Dibromomethane	ug/kg	50.00	59.63	119	
1,2-Dichlorobenzene	ug/kg	50.00	50.39	101	
1,3-Dichlorobenzene	ug/kg	50.00	48.06	96	
1,4-Dichlorobenzene	ug/kg	50.00	46.55	93	
Dichlorodifluoromethane	ug/kg	50.00	41.30	83	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928704063

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1-Dichloroethane	ug/kg	50.00	54.05	108	
1,2-Dichloroethane	ug/kg	50.00	60.97	122	
1,1-Dichloroethene	ug/kg	50.00	52.59	105	
cis-1,2-Dichloroethene	ug/kg	50.00	54.31	109	
trans-1,2-Dichloroethene	ug/kg	50.00	52.63	105	
1,2-Dichloropropane	ug/kg	50.00	54.20	108	
1,3-Dichloropropane	ug/kg	50.00	57.93	116	
2,2-Dichloropropane	ug/kg	50.00	51.29	103	
1,1-Dichloropropene	ug/kg	50.00	53.28	107	
cis-1,3-Dichloropropene	ug/kg	50.00	54.49	109	
trans-1,3-Dichloropropene	ug/kg	50.00	59.51	119	
Diisopropyl ether	ug/kg	50.00	60.94	122	
Ethylbenzene	ug/kg	50.00	51.07	102	
Hexachloro-1,3-butadiene	ug/kg	50.00	51.21	102	
2-Hexanone	ug/kg	100.00	124.0	124	
Isopropylbenzene (Cumene)	ug/kg	50.00	51.28	103	
p-Isopropyltoluene	ug/kg	50.00	48.26	96	
Methylene chloride	ug/kg	50.00	54.03	108	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	146.9	147	2
Methyl-tert-butyl ether	ug/kg	50.00	62.55	125	
Naphthalene	ug/kg	50.00	66.26	133	
n-Propylbenzene	ug/kg	50.00	47.00	94	
Styrene	ug/kg	50.00	49.56	99	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	55.12	110	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	60.26	121	
Tetrachloroethene	ug/kg	50.00	46.42	93	
Toluene	ug/kg	50.00	50.91	102	
1,2,3-Trichlorobenzene	ug/kg	50.00	51.52	103	
1,2,4-Trichlorobenzene	ug/kg	50.00	45.85	92	
1,1,1-Trichloroethane	ug/kg	50.00	54.30	109	
1,1,2-Trichloroethane	ug/kg	50.00	57.41	115	
Trichloroethene	ug/kg	50.00	50.65	101	
Trichlorofluoromethane	ug/kg	50.00	43.98	88	
1,2,3-Trichloropropane	ug/kg	50.00	66.92	134	2
1,2,4-Trimethylbenzene	ug/kg	50.00	49.32	99	
1,3,5-Trimethylbenzene	ug/kg	50.00	49.27	98	
Vinyl acetate	ug/kg	100.00	44.34	44	3

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

### LABORATORY CONTROL SAMPLE: 928704063

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Vinyl chloride	ug/kg	50.00	48.88	98	
m&p-Xylene	ug/kg	100.00	102.2	102	
o-Xylene	ug/kg	50.00	50.90	102	
Toluene-d8 (S)				100	
4-Bromofluorobenzene (S)				104	
Dibromofluoromethane (S)				107	
1,2-Dichloroethane-d4 (S)				122	

### MATRIX SPIKE: 928706878

Parameter	Units	928680206 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Benzene	ug/kg	0	48.63	52.19	107	
Chlorobenzene	ug/kg	0	48.63	47.49	98	
1,1-Dichloroethene	ug/kg	0	48.63	52.59	108	
Toluene	ug/kg	0	48.63	46.02	95	
Trichloroethene	ug/kg	0	48.63	49.63	102	
Toluene-d8 (S)					96	
4-Bromofluorobenzene (S)					84	
Dibromofluoromethane (S)					108	
1,2-Dichloroethane-d4 (S)					118	

### SAMPLE DUPLICATE: 928706886

Parameter	Units	928680214 Result	DUP Result	RPD	Footnotes
Acetone	ug/kg	ND	ND	NC	
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
2-Butanone (MEK)	ug/kg	ND	ND	NC	
n-Butylbenzene	ug/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928706886

Parameter	Units	928680214	DUP	RPD	Footnotes
		Result	Result		
sec-Butylbenzene	ug/kg	ND	ND	NC	
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	ND	ND	NC	
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	
cis-1,2-Dichloroethene	ug/kg	ND	ND	NC	
trans-1,2-Dichloroethene	ug/kg	ND	ND	NC	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
cis-1,3-Dichloropropene	ug/kg	ND	ND	NC	
trans-1,3-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
2-Hexanone	ug/kg	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	ND	ND	NC	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND	NC	
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928706886

Parameter	Units	928680214	DUP	RPD	Footnotes
		Result	Result		
Naphthalene	ug/kg	ND	ND	NC	
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	ND	ND	NC	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	ND	NC	
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/kg	ND	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl acetate	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	101	99		
4-Bromofluorobenzene (S)	%	101	97		
Dibromofluoromethane (S)	%	106	109		
1,2-Dichloroethane-d4 (S)	%	122	120		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195950	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: GC/MS VOCs by 8260
Associated Lab Samples: 928680289	928680297

METHOD BLANK: 928706738  
Associated Lab Samples: 928680289 928680297

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
Benzene	ug/l	ND	5.0	
Bromobenzene	ug/l	ND	5.0	
Bromochloromethane	ug/l	ND	5.0	
Bromodichloromethane	ug/l	ND	5.0	
Bromoform	ug/l	ND	5.0	
Bromomethane	ug/l	ND	5.0	
2-Butanone (MEK)	ug/l	ND	10.	
n-Butylbenzene	ug/l	ND	5.0	
sec-Butylbenzene	ug/l	ND	5.0	
tert-Butylbenzene	ug/l	ND	5.0	
Carbon tetrachloride	ug/l	ND	5.0	
Chlorobenzene	ug/l	ND	5.0	
Chloroethane	ug/l	ND	10.	
Chloroform	ug/l	ND	5.0	
Chloromethane	ug/l	ND	5.0	
2-Chlorotoluene	ug/l	ND	5.0	
4-Chlorotoluene	ug/l	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/l	ND	5.0	
Dibromochloromethane	ug/l	ND	5.0	
1,2-Dibromoethane (EDB)	ug/l	ND	5.0	
Dibromomethane	ug/l	ND	5.0	
1,2-Dichlorobenzene	ug/l	ND	5.0	
1,3-Dichlorobenzene	ug/l	ND	5.0	
1,4-Dichlorobenzene	ug/l	ND	5.0	
Dichlorodifluoromethane	ug/l	ND	5.0	
1,1-Dichloroethane	ug/l	ND	5.0	
1,2-Dichloroethane	ug/l	ND	5.0	
1,1-Dichloroethene	ug/l	ND	5.0	
cis-1,2-Dichloroethene	ug/l	ND	5.0	
trans-1,2-Dichloroethene	ug/l	ND	5.0	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928706738

Associated Lab Samples: 928680289 928680297

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dichloropropane	ug/l	ND	5.0	
1,3-Dichloropropane	ug/l	ND	5.0	
2,2-Dichloropropane	ug/l	ND	5.0	
1,1-Dichloropropene	ug/l	ND	5.0	
cis-1,3-Dichloropropene	ug/l	ND	5.0	
trans-1,3-Dichloropropene	ug/l	ND	5.0	
Diisopropyl ether	ug/l	ND	5.0	
Ethylbenzene	ug/l	ND	5.0	
Hexachloro-1,3-butadiene	ug/l	ND	5.0	
2-Hexanone	ug/l	ND	10.	
Isopropylbenzene (Cumene)	ug/l	ND	5.0	
p-Isopropyltoluene	ug/l	ND	5.0	
Methylene chloride	ug/l	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	10.	
Methyl-tert-butyl ether	ug/l	ND	5.0	
Naphthalene	ug/l	ND	5.0	
n-Propylbenzene	ug/l	ND	5.0	
Styrene	ug/l	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	5.0	
Tetrachloroethene	ug/l	ND	5.0	
Toluene	ug/l	ND	5.0	
1,2,3-Trichlorobenzene	ug/l	ND	5.0	
1,2,4-Trichlorobenzene	ug/l	ND	5.0	
1,1,1-Trichloroethane	ug/l	ND	5.0	
1,1,2-Trichloroethane	ug/l	ND	5.0	
Trichloroethene	ug/l	ND	5.0	
Trichlorofluoromethane	ug/l	ND	10.	
1,2,3-Trichloropropane	ug/l	ND	5.0	
1,2,4-Trimethylbenzene	ug/l	ND	5.0	
1,3,5-Trimethylbenzene	ug/l	ND	5.0	
Vinyl acetate	ug/l	ND	10.	
Vinyl chloride	ug/l	ND	5.0	
m&p-Xylene	ug/l	ND	10.	
o-Xylene	ug/l	ND	5.0	
Toluene-d8 (S)	%	101		

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928706738

Associated Lab Samples: 928680289 928680297

Parameter	Units	Blank Result	Reporting Limit	Footnotes
4-Bromofluorobenzene (S)	%	105		
Dibromofluoromethane (S)	%	94		
1,2-Dichloroethane-d4 (S)	%	96		

LABORATORY CONTROL SAMPLE: 928706746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/l	100.00	101.9	102	
Benzene	ug/l	50.00	50.71	101	
Bromobenzene	ug/l	50.00	55.47	111	
Bromochloromethane	ug/l	50.00	52.91	106	
Bromodichloromethane	ug/l	50.00	57.59	115	
Bromoform	ug/l	50.00	41.06	82	
Bromomethane	ug/l	50.00	48.48	97	
2-Butanone (MEK)	ug/l	100.00	103.3	103	
n-Butylbenzene	ug/l	50.00	57.30	115	
sec-Butylbenzene	ug/l	50.00	56.21	112	
tert-Butylbenzene	ug/l	50.00	56.63	113	
Carbon tetrachloride	ug/l	50.00	52.56	105	
Chlorobenzene	ug/l	50.00	49.87	100	
Chloroethane	ug/l	50.00	52.39	105	
Chloroform	ug/l	50.00	57.30	115	
Chloromethane	ug/l	50.00	45.03	90	
2-Chlorotoluene	ug/l	50.00	51.30	103	
4-Chlorotoluene	ug/l	50.00	55.27	111	
1,2-Dibromo-3-chloropropane	ug/l	50.00	47.50	95	
Dibromochloromethane	ug/l	50.00	49.84	100	
1,2-Dibromoethane (EDB)	ug/l	50.00	50.74	101	
Dibromomethane	ug/l	50.00	52.18	104	
1,2-Dichlorobenzene	ug/l	50.00	54.87	110	
1,3-Dichlorobenzene	ug/l	50.00	54.45	109	
1,4-Dichlorobenzene	ug/l	50.00	52.27	105	
Dichlorodifluoromethane	ug/l	50.00	49.24	98	
1,1-Dichloroethane	ug/l	50.00	54.62	109	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928706746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2-Dichloroethane	ug/l	50.00	52.73	105	
1,1-Dichloroethene	ug/l	50.00	60.54	121	
cis-1,2-Dichloroethene	ug/l	50.00	55.40	111	
trans-1,2-Dichloroethene	ug/l	50.00	54.16	108	
1,2-Dichloropropane	ug/l	50.00	52.62	105	
1,3-Dichloropropane	ug/l	50.00	51.45	103	
2,2-Dichloropropane	ug/l	50.00	52.12	104	
1,1-Dichloropropene	ug/l	50.00	56.22	112	
cis-1,3-Dichloropropene	ug/l	50.00	51.65	103	
trans-1,3-Dichloropropene	ug/l	50.00	42.95	86	
Diisopropyl ether	ug/l	50.00	55.56	111	
Ethylbenzene	ug/l	50.00	50.29	101	
Hexachloro-1,3-butadiene	ug/l	50.00	59.64	119	
2-Hexanone	ug/l	100.00	102.5	102	
Isopropylbenzene (Cumene)	ug/l	50.00	53.61	107	
p-Isopropyltoluene	ug/l	50.00	57.43	115	
Methylene chloride	ug/l	50.00	52.18	104	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	89.19	89	
Methyl-tert-butyl ether	ug/l	50.00	54.23	108	
Naphthalene	ug/l	50.00	54.73	109	
n-Propylbenzene	ug/l	50.00	54.45	109	
Styrene	ug/l	50.00	42.31	85	
1,1,1,2-Tetrachloroethane	ug/l	50.00	51.00	102	
1,1,2,2-Tetrachloroethane	ug/l	50.00	51.34	103	
Tetrachloroethene	ug/l	50.00	50.52	101	
Toluene	ug/l	50.00	51.33	103	
1,2,3-Trichlorobenzene	ug/l	50.00	55.88	112	
1,2,4-Trichlorobenzene	ug/l	50.00	55.84	112	
1,1,1-Trichloroethane	ug/l	50.00	57.19	114	
1,1,2-Trichloroethane	ug/l	50.00	51.88	104	
Trichloroethene	ug/l	50.00	51.38	103	
Trichlorofluoromethane	ug/l	50.00	56.47	113	
1,2,3-Trichloropropane	ug/l	50.00	44.20	88	
1,2,4-Trimethylbenzene	ug/l	50.00	54.70	109	
1,3,5-Trimethylbenzene	ug/l	50.00	46.53	93	
Vinyl acetate	ug/l	100.00	130.0	130	
Vinyl chloride	ug/l	50.00	51.72	103	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928706746

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
m&p-Xylene	ug/l	100.00	79.10	79	
o-Xylene	ug/l	50.00	52.40	105	
Toluene-d8 (S)				101	
4-Bromofluorobenzene (S)				96	
Dibromofluoromethane (S)				101	
1,2-Dichloroethane-d4 (S)				113	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195979      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: GC/MS VOCs 5035/8260 low level  
Associated Lab Samples:      928680271

METHOD BLANK: 928708866  
Associated Lab Samples:      928680271

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
2-Butanone (MEK)	ug/kg	ND	100	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928708866

Associated Lab Samples: 928680271

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	
Toluene-d8 (S)	%	103		

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928708866

Associated Lab Samples: 928680271

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
4-Bromofluorobenzene (S)	%	102		
Dibromofluoromethane (S)	%	105		
1,2-Dichloroethane-d4 (S)	%	125		

LABORATORY CONTROL SAMPLE: 928708874

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acetone	ug/kg	100.00	127.7	128	
Benzene	ug/kg	50.00	42.04	84	
Bromobenzene	ug/kg	50.00	43.36	87	
Bromochloromethane	ug/kg	50.00	47.40	95	
Bromodichloromethane	ug/kg	50.00	46.41	93	
Bromoform	ug/kg	50.00	52.12	104	
Bromomethane	ug/kg	50.00	49.29	99	
2-Butanone (MEK)	ug/kg	100.00	123.8	124	
n-Butylbenzene	ug/kg	50.00	39.99	80	
sec-Butylbenzene	ug/kg	50.00	39.32	79	
tert-Butylbenzene	ug/kg	50.00	40.70	81	
Carbon tetrachloride	ug/kg	50.00	44.89	90	
Chlorobenzene	ug/kg	50.00	41.45	83	
Chloroethane	ug/kg	50.00	38.93	78	
Chloroform	ug/kg	50.00	44.32	89	
Chloromethane	ug/kg	50.00	34.49	69	
2-Chlorotoluene	ug/kg	50.00	40.13	80	
4-Chlorotoluene	ug/kg	50.00	42.98	86	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	60.97	122	
Dibromochloromethane	ug/kg	50.00	48.02	96	
1,2-Dibromoethane (EDB)	ug/kg	50.00	50.27	101	
Dibromomethane	ug/kg	50.00	50.80	102	
1,2-Dichlorobenzene	ug/kg	50.00	42.85	86	
1,3-Dichlorobenzene	ug/kg	50.00	42.31	85	
1,4-Dichlorobenzene	ug/kg	50.00	41.57	83	
Dichlorodifluoromethane	ug/kg	50.00	41.08	82	
1,1-Dichloroethane	ug/kg	50.00	43.79	88	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928708874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2-Dichloroethane	ug/kg	50.00	52.48	105	
1,1-Dichloroethene	ug/kg	50.00	41.28	83	
cis-1,2-Dichloroethene	ug/kg	50.00	45.83	92	
trans-1,2-Dichloroethene	ug/kg	50.00	44.70	89	
1,2-Dichloropropane	ug/kg	50.00	44.11	88	
1,3-Dichloropropane	ug/kg	50.00	48.57	97	
2,2-Dichloropropane	ug/kg	50.00	46.27	92	
1,1-Dichloropropene	ug/kg	50.00	44.50	89	
cis-1,3-Dichloropropene	ug/kg	50.00	47.07	94	
trans-1,3-Dichloropropene	ug/kg	50.00	52.08	104	
Diisopropyl ether	ug/kg	50.00	48.53	97	
Ethylbenzene	ug/kg	50.00	42.57	85	
Hexachloro-1,3-butadiene	ug/kg	50.00	42.52	85	
2-Hexanone	ug/kg	100.00	126.6	127	
Isopropylbenzene (Cumene)	ug/kg	50.00	41.18	82	
p-Isopropyltoluene	ug/kg	50.00	39.78	80	
Methylene chloride	ug/kg	50.00	44.59	89	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	125.7	126	
Methyl-tert-butyl ether	ug/kg	50.00	53.07	106	
Naphthalene	ug/kg	50.00	54.16	108	
n-Propylbenzene	ug/kg	50.00	40.10	80	
Styrene	ug/kg	50.00	43.81	88	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	44.71	89	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	53.12	106	
Tetrachloroethene	ug/kg	50.00	38.56	77	
Toluene	ug/kg	50.00	41.90	84	
1,2,3-Trichlorobenzene	ug/kg	50.00	48.99	98	
1,2,4-Trichlorobenzene	ug/kg	50.00	43.86	88	
1,1,1-Trichloroethane	ug/kg	50.00	44.76	90	
1,1,2-Trichloroethane	ug/kg	50.00	49.54	99	
Trichloroethene	ug/kg	50.00	41.90	84	
Trichlorofluoromethane	ug/kg	50.00	37.55	75	
1,2,3-Trichloropropane	ug/kg	50.00	55.21	110	
1,2,4-Trimethylbenzene	ug/kg	50.00	41.10	82	
1,3,5-Trimethylbenzene	ug/kg	50.00	41.27	82	
Vinyl acetate	ug/kg	100.00	123.2	123	
Vinyl chloride	ug/kg	50.00	40.25	80	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

### LABORATORY CONTROL SAMPLE: 928708874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
m&p-Xylene	ug/kg	100.00	84.42	84	
o-Xylene	ug/kg	50.00	41.82	84	
Toluene-d8 (S)				99	
4-Bromofluorobenzene (S)				101	
Dibromofluoromethane (S)				105	
1,2-Dichloroethane-d4 (S)				121	

### MATRIX SPIKE: 928711381

Parameter	Units	928703784 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Benzene	ug/kg	0	50.88	40.46	80	
Chlorobenzene	ug/kg	0	50.88	38.26	75	
1,1-Dichloroethene	ug/kg	0	50.88	40.41	79	
Toluene	ug/kg	0	50.88	40.52	80	
Trichloroethene	ug/kg	0	50.88	41.04	81	
Toluene-d8 (S)					106	
4-Bromofluorobenzene (S)					100	
Dibromofluoromethane (S)					106	
1,2-Dichloroethane-d4 (S)					111	

### SAMPLE DUPLICATE: 928711399

Parameter	Units	928684638 Result	DUP Result	RPD	Footnotes
Acetone	ug/kg	ND	ND	NC	
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
2-Butanone (MEK)	ug/kg	ND	ND	NC	
n-Butylbenzene	ug/kg	ND	ND	NC	
sec-Butylbenzene	ug/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928711399

Parameter	Units	928684638	DUP	RPD	Footnotes
		Result	Result		
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	ND	ND	NC	
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	
cis-1,2-Dichloroethene	ug/kg	ND	ND	NC	
trans-1,2-Dichloroethene	ug/kg	ND	ND	NC	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
cis-1,3-Dichloropropene	ug/kg	ND	ND	NC	
trans-1,3-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
2-Hexanone	ug/kg	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	ND	ND	NC	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND	NC	
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928711399

Parameter	Units	928684638	DUP	RPD	Footnotes
		Result	Result		
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	ND	ND	NC	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	ND	NC	
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/kg	ND	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl acetate	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	100	104		
4-Bromofluorobenzene (S)	%	89	117		
Dibromofluoromethane (S)	%	105	109		
1,2-Dichloroethane-d4 (S)	%	126	71		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195682	Analysis Method: EPA 7471				
QC Batch Method: EPA 7471	Analysis Description: Mercury, CVAAS, in Soil				
Associated Lab Samples:	928680206	928680214	928680222	928680230	928680248
	928680255	928680263	928680271		

METHOD BLANK: 928698992

Associated Lab Samples:	928680206	928680214	928680222	928680230	928680248	928680255	928680263
	928680271						

<u>Parameter</u>	<u>Units</u>	<u>Blank Result</u>	<u>Reporting Limit</u>	<u>Footnotes</u>
Mercury	mg/kg	ND	0.0050	

LABORATORY CONTROL SAMPLE: 928699008

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
Mercury	mg/kg	0.0667	0.0717	108	

MATRIX SPIKE: 928699016

<u>Parameter</u>	<u>Units</u>	<u>928679430 Result</u>	<u>Spike Conc.</u>	<u>MS Result</u>	<u>MS % Rec</u>	<u>Footnotes</u>
Mercury	mg/kg	0	0.0752	0.0830	110	

SAMPLE DUPLICATE: 928699024

<u>Parameter</u>	<u>Units</u>	<u>928679513 Result</u>	<u>DUP Result</u>	<u>RPD</u>	<u>Footnotes</u>
Mercury	mg/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195840	Analysis Method: EPA 7470
QC Batch Method: EPA 7470	Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 928680289	928680297

METHOD BLANK: 928702877  
Associated Lab Samples: 928680289 928680297

<u>Parameter</u>	<u>Units</u>	<u>Blank Result</u>	<u>Reporting Limit</u>	<u>Footnotes</u>
Mercury	ug/l	ND	0.20	

LABORATORY CONTROL SAMPLE: 928702885

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
Mercury	ug/l	2.500	2.500	100	

MATRIX SPIKE: 928702893

<u>Parameter</u>	<u>Units</u>	<u>928675420 Result</u>	<u>Spike Conc.</u>	<u>MS Result</u>	<u>MS % Rec</u>	<u>Footnotes</u>
Mercury	ug/l	2.500	2.500	4.120	65	4

SAMPLE DUPLICATE: 928702901

<u>Parameter</u>	<u>Units</u>	<u>928680289 Result</u>	<u>DUP Result</u>	<u>RPD</u>	<u>Footnotes</u>
Mercury	ug/l	ND	ND	NC	

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195452	Analysis Method: EPA 6010			
QC Batch Method: EPA 3050	Analysis Description: Metals, Trace ICP			
Associated Lab Samples:	928680206	928680214	928680222	928680230
	928680255	928680263	928680271	928680248

METHOD BLANK: 928686930							
Associated Lab Samples:	928680206	928680214	928680222	928680230	928680248	928680255	928680263
	928680271						

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Aluminum	mg/kg	ND	10.	
Antimony	mg/kg	ND	0.50	
Arsenic	mg/kg	ND	0.50	
Barium	mg/kg	ND	0.50	
Beryllium	mg/kg	ND	0.10	
Cadmium	mg/kg	ND	0.10	
Calcium	mg/kg	ND	10.	
Chromium	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.50	
Copper	mg/kg	ND	0.50	
Iron	mg/kg	ND	5.0	
Lead	mg/kg	ND	0.50	
Magnesium	mg/kg	ND	10.	
Manganese	mg/kg	ND	0.50	
Molybdenum	mg/kg	ND	0.50	
Nickel	mg/kg	ND	0.50	
Potassium	mg/kg	ND	100	
Selenium	mg/kg	ND	1.0	
Silicon	mg/kg	ND	10.	
Silver	mg/kg	ND	0.50	
Sodium	mg/kg	ND	100	
Strontium	mg/kg	ND	0.50	
Thallium	mg/kg	ND	1.0	
Tin	mg/kg	ND	0.50	
Titanium	mg/kg	ND	0.50	
Vanadium	mg/kg	ND	0.50	
Zinc	mg/kg	ND	1.0	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928686948

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aluminum	mg/kg	500.00	500.4	100	
Antimony	mg/kg	50.00	52.30	105	
Arsenic	mg/kg	50.00	53.20	106	
Barium	mg/kg	50.00	50.60	101	
Beryllium	mg/kg	50.00	51.70	103	
Boron	mg/kg	50.00	54.40	109	
Cadmium	mg/kg	50.00	53.10	106	
Calcium	mg/kg	500.00	531.5	106	
Chromium	mg/kg	50.00	53.40	107	
Cobalt	mg/kg	50.00	51.70	103	
Copper	mg/kg	50.00	51.00	102	
Iron	mg/kg	500.00	526.1	105	
Lead	mg/kg	50.00	52.60	105	
Magnesium	mg/kg	500.00	518.3	104	
Manganese	mg/kg	50.00	52.60	105	
Molybdenum	mg/kg	50.00	51.30	103	
Nickel	mg/kg	50.00	53.30	107	
Potassium	mg/kg	500.00	508.7	102	
Selenium	mg/kg	50.00	52.80	106	
Silicon	mg/kg	250.00	253.3	101	
Silver	mg/kg	25.00	25.20	101	
Sodium	mg/kg	500.00	516.9	103	
Strontium	mg/kg	50.00	51.60	103	
Thallium	mg/kg	50.00	47.70	95	
Tin	mg/kg	50.00	55.50	111	
Titanium	mg/kg	50.00	51.60	103	
Vanadium	mg/kg	50.00	51.60	103	
Zinc	mg/kg	50.00	52.60	105	

MATRIX SPIKE: 928686955

Parameter	Units	928673847	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Aluminum	mg/kg	9362	611.10	13240	634	4
Antimony	mg/kg	0.4180	61.11	50.84	82	
Arsenic	mg/kg	1.943	61.11	55.85	88	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

### MATRIX SPIKE: 928686955

Parameter	Units	928673847	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Barium	mg/kg	62.09	61.11	110.2	79	
Beryllium	mg/kg	0	61.11	55.73	91	
Boron	mg/kg	2.958	61.11	50.72	78	
Cadmium	mg/kg	0.6478	61.11	55.24	89	
Calcium	mg/kg	1084	611.10	1539	74	4
Chromium	mg/kg	33.49	61.11	89.10	91	
Cobalt	mg/kg	7.089	61.11	56.95	82	
Copper	mg/kg	24.32	61.11	80.18	91	
Iron	mg/kg	15750	611.10	15030	0	4
Lead	mg/kg	16.87	61.11	67.47	83	
Magnesium	mg/kg	1411	611.10	1919	83	
Manganese	mg/kg	531.7	61.11	433.4	0	4
Molybdenum	mg/kg	3.178	61.11	53.29	82	
Nickel	mg/kg	6.307	61.11	60.99	90	
Potassium	mg/kg	866.0	611.10	1556	113	
Selenium	mg/kg	0	61.11	50.23	82	
Silicon	mg/kg	1168	305.50	1353	60	4
Silver	mg/kg	0	30.55	26.03	85	
Sodium	mg/kg	273.6	611.10	949.6	111	
Strontium	mg/kg	13.20	61.11	63.92	83	
Thallium	mg/kg	2.359	61.11	48.40	75	
Tin	mg/kg	3.960	61.11	57.44	88	
Titanium	mg/kg	238.9	61.11	290.3	84	
Vanadium	mg/kg	55.98	61.11	106.3	82	
Zinc	mg/kg	17.97	61.11	75.90	95	

### SAMPLE DUPLICATE: 928686963

Parameter	Units	928673854	DUP	RPD	Footnotes
		Result	Result		
Aluminum	mg/kg	21000	20000	7	
Antimony	mg/kg	1.400	1.200	15	
Arsenic	mg/kg	1.700	1.400	19	
Barium	mg/kg	94.00	83.00	13	
Beryllium	mg/kg	ND	ND	NC	
Boron	mg/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928686963

Parameter	Units	928673854	DUP	RPD	Footnotes
		Result	Result		
Cadmium	mg/kg	2.200	1.800	16	
Calcium	mg/kg	2000	1900	8	
Chromium	mg/kg	78.00	66.00	17	
Cobalt	mg/kg	5.000	3.200	45	
Copper	mg/kg	51.00	45.00	13	
Iron	mg/kg	26000	25000	4	
Lead	mg/kg	26.00	23.00	13	
Magnesium	mg/kg	3700	2900	25	5
Manganese	mg/kg	420.0	380.0	9	
Molybdenum	mg/kg	ND	ND	NC	
Nickel	mg/kg	13.00	10.00	20	
Potassium	mg/kg	2100	1700	24	5
Selenium	mg/kg	ND	ND	NC	
Silicon	mg/kg	1500	1500	4	
Silver	mg/kg	ND	ND	NC	
Sodium	mg/kg	ND	ND	NC	
Strontium	mg/kg	16.00	14.00	10	
Thallium	mg/kg	3.800	3.200	16	
Tin	mg/kg	3.900	3.800	3	
Titanium	mg/kg	670.0	590.0	13	
Vanadium	mg/kg	130.0	120.0	3	
Zinc	mg/kg	120.0	90.00	31	5

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195633	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: Metals by Trace ICP
Associated Lab Samples: 928680289	928680297

METHOD BLANK: 928698364  
Associated Lab Samples: 928680289 928680297

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Aluminum	ug/l	ND	100	
Antimony	ug/l	ND	5.0	
Arsenic	ug/l	ND	5.0	
Barium	ug/l	ND	5.0	
Beryllium	ug/l	ND	1.0	
Boron	ug/l	74.	10.	
Cadmium	ug/l	ND	1.0	
Calcium	ug/l	ND	100	
Chromium	ug/l	ND	5.0	
Cobalt	ug/l	ND	5.0	
Copper	ug/l	ND	2.0	
Iron	ug/l	ND	50.	
Lead	ug/l	ND	5.0	
Magnesium	ug/l	ND	100	
Manganese	ug/l	ND	5.0	
Molybdenum	ug/l	ND	5.0	
Nickel	ug/l	ND	5.0	
Potassium	ug/l	ND	1000	
Selenium	ug/l	ND	10.	
Silicon	ug/l	ND	100	
Silver	ug/l	ND	5.0	
Sodium	ug/l	ND	1000	
Strontium	ug/l	ND	5.0	
Thallium	ug/l	ND	10.	
Tin	ug/l	ND	5.0	
Titanium	ug/l	ND	5.0	
Total Hardness	ug/l	ND	2000	
Vanadium	ug/l	ND	5.0	
Zinc	ug/l	ND	10.	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928698372

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aluminum	ug/l	5000.00	5294	106	
Antimony	ug/l	500.00	559.0	112	
Arsenic	ug/l	500.00	567.0	113	
Barium	ug/l	500.00	533.0	107	
Beryllium	ug/l	500.00	562.0	112	
Boron	ug/l	500.00	616.0	123	
Cadmium	ug/l	500.00	564.0	113	
Calcium	ug/l	5000.00	5532	111	
Chromium	ug/l	500.00	573.0	115	
Cobalt	ug/l	500.00	557.0	111	
Copper	ug/l	500.00	542.0	108	
Iron	ug/l	5000.00	5587	112	
Lead	ug/l	500.00	563.0	113	
Magnesium	ug/l	5000.00	5440	109	
Manganese	ug/l	500.00	566.0	113	
Molybdenum	ug/l	500.00	558.0	112	
Nickel	ug/l	500.00	566.0	113	
Potassium	ug/l	5000.00	5124	102	
Selenium	ug/l	500.00	555.0	111	
Silicon	ug/l	2500.00	2716	109	
Silver	ug/l	250.00	271.0	108	
Sodium	ug/l	5000.00	5396	108	
Strontium	ug/l	500.00	551.0	110	
Thallium	ug/l	500.00	520.0	104	
Tin	ug/l	500.00	564.0	113	
Titanium	ug/l	500.00	561.0	112	
Total Hardness	ug/l	33080	36220	109	
Vanadium	ug/l	500.00	555.0	111	
Zinc	ug/l	500.00	566.0	113	

MATRIX SPIKE: 928698380

Parameter	Units	928634492	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Aluminum	ug/l	41.30	5000.00	5232	104	
Antimony	ug/l	0.5610	500.00	553.0	110	

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

MATRIX SPIKE: 928698380

Parameter	Units	928634492	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Arsenic	ug/l	1.360	500.00	562.0	112	
Barium	ug/l	0.09700	500.00	526.0	105	
Beryllium	ug/l	0	500.00	555.0	111	
Boron	ug/l	72.70	500.00	606.0	107	
Cadmium	ug/l	0.02300	500.00	558.0	112	
Calcium	ug/l	85.80	5000.00	5543	109	
Chromium	ug/l	0.8400	500.00	566.0	113	
Cobalt	ug/l	0.1370	500.00	549.0	110	
Copper	ug/l	2.190	500.00	536.0	107	
Iron	ug/l	74.10	5000.00	5530	109	
Lead	ug/l	0	500.00	556.0	111	
Magnesium	ug/l	12.80	5000.00	5355	107	
Manganese	ug/l	0.6800	500.00	558.0	112	
Molybdenum	ug/l	3.110	500.00	552.0	110	
Nickel	ug/l	2.140	500.00	558.0	111	
Potassium	ug/l	26.30	5000.00	5045	100	
Selenium	ug/l	2.200	500.00	546.0	109	
Silicon	ug/l	17.70	2500.00	2709	108	
Silver	ug/l	0	250.00	269.0	108	
Sodium	ug/l	18.30	5000.00	5312	106	
Strontium	ug/l	0.1970	500.00	543.0	109	
Thallium	ug/l	7.100	500.00	518.0	102	
Tin	ug/l	0.4640	500.00	559.0	112	
Titanium	ug/l	0.3050	500.00	553.0	110	
Total Hardness	ug/l	267.0	33080	35890	108	
Vanadium	ug/l	0.06700	500.00	548.0	110	
Zinc	ug/l	13.10	500.00	560.0	109	

SAMPLE DUPLICATE: 928698398

Parameter	Units	928675396	DUP	RPD	Footnotes
		Result	Result		
Arsenic	ug/l	ND	ND	NC	
Barium	ug/l	30.00	30.00	0	
Cadmium	ug/l	ND	ND	NC	
Chromium	ug/l	8.800	8.700	1	

Date: 08/06/07

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928698398

Parameter	Units	928675396	DUP	RPD	Footnotes
		Result	Result		
Lead	ug/l	15.00	14.00	3	
Selenium	ug/l	15.00	11.00	32	5
Silver	ug/l	12.00	12.00	0	
Aluminum	ug/l		290.0	0	
Antimony	ug/l		6.000	0	
Beryllium	ug/l		ND	NC	
Boron	ug/l		1000	0	
Calcium	ug/l		730000	0	
Cobalt	ug/l		ND	NC	
Copper	ug/l		ND	NC	
Iron	ug/l		790.0	0	
Magnesium	ug/l		110000	0	
Manganese	ug/l		39.00	0	
Nickel	ug/l		ND	NC	
Potassium	ug/l		82000	0	
Molybdenum	ug/l		81.00	0	
Sodium	ug/l		66000	0	
Silicon	ug/l		11000	0	
Thallium	ug/l		ND	NC	
Vanadium	ug/l		ND	NC	
Zinc	ug/l		31.00	0	
Strontium	ug/l		13000	0	
Tin	ug/l		ND	NC	
Titanium	ug/l		ND	NC	
Total Hardness	ug/l		2300000	0	

Date: 08/06/07

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149570

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195539	Analysis Method: % Moisture				
QC Batch Method:	Analysis Description: Percent Moisture				
Associated Lab Samples:	928680206	928680214	928680222	928680230	928680248
	928680255	928680263	928680271		

SAMPLE DUPLICATE: 928691500

<u>Parameter</u>	<u>Units</u>	928687565 <u>Result</u>	DUP <u>Result</u>	<u>RPD</u>	<u>Footnotes</u>
Percent Moisture	%	17.90	16.60	8	

Date: 08/06/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149570  
Client Project ID: LENOTIA DRIVE 465-75011

## QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
- MS(D) Matrix Spike (Duplicate)
- DUP Sample Duplicate
- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- RPD Relative Percent Difference
- (S) Surrogate
- [1] The surrogate and/or spike recovery was outside acceptance limits.
- [2] Recovery falls outside of QC limits, however, this compound is not found in the associated samples.
- [3] The method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
- [4] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- [5] The calculated RPD was outside QC acceptance limits.

Date: 08/06/07

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>PSI INC</b>	Report To: <b>Adam Smith</b>	Company: <b>PSI INC</b>	Attention: <b>KEITH INGRAM</b>	Company Name: <b>PSI INC</b>	Regulatory Agency: <b>1068573</b>
Address: <b>4114 DEANNA LN SUITE A</b>	Copy To:	Address: <b>4114 DEANNA LN SUITE A</b>		Address: <b>4114 DEANNA LN SUITE A</b>	
City: <b>COLUMBIA SC 29492</b>		City: <b>COLUMBIA SC 29492</b>		City: <b>COLUMBIA SC 29492</b>	
State: <b>SC</b>		State: <b>SC</b>		State: <b>SC</b>	
Zip: <b>29492</b>		Zip: <b>29492</b>		Zip: <b>29492</b>	
Phone: <b>803-284-8800</b>		Phone: <b>803-284-8800</b>		Phone: <b>803-284-8800</b>	
Fax: <b>803-284-8800</b>		Fax: <b>803-284-8800</b>		Fax: <b>803-284-8800</b>	
Requested Due Date/TAT: <b>8/13/2010</b>		Requested Due Date/TAT: <b>8/13/2010</b>		Requested Due Date/TAT: <b>8/13/2010</b>	
Project Name: <b>LEMONA DRIVE</b>		Project Name: <b>LEMONA DRIVE</b>		Project Name: <b>LEMONA DRIVE</b>	
Project Number: <b>465-7501</b>		Project Number: <b>465-7501</b>		Project Number: <b>465-7501</b>	
Purchase Order No: <b>3490-6</b>		Purchase Order No: <b>3490-6</b>		Purchase Order No: <b>3490-6</b>	
Pace Quote Reference: <b>3490-6</b>		Pace Quote Reference: <b>3490-6</b>		Pace Quote Reference: <b>3490-6</b>	
Pace Project Manager: <b>ADJ</b>		Pace Project Manager: <b>ADJ</b>		Pace Project Manager: <b>ADJ</b>	
Pace Profile #: <b>3490-6</b>		Pace Profile #: <b>3490-6</b>		Pace Profile #: <b>3490-6</b>	
Site Location: <b>SC</b>		Site Location: <b>SC</b>		Site Location: <b>SC</b>	
STATE: <b>SC</b>		STATE: <b>SC</b>		STATE: <b>SC</b>	

ITEM #	Section D Required Client Information				Section E Required Project Information				Section F Required Analysis Information				Section G Required Sample Information				Section H Required Results Information			
	Valid Matrix Codes	MATRIX CODE	DW	WT	P	WATER	WASTE WATER	SL	WP	OT	TS	WIFE	WIFE	WIFE	WIFE	WIFE	WIFE	WIFE	WIFE	WIFE
1	B-1 (0.5)	WP	6	7-24	1010	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
2	B-1 (-3)	WP	6	7-24	1010	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
3	B-1 (-5)	WP	6	7-24	1050	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4	B-1 (u)	WP	6	7-24	1100	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
5	B-1 (-20)	WP	6	7-24	1220	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6	B-2 (0.5)	WP	6	7-24	1305	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	B-2 (u)	WP	6	7-24	1420	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
8	B-2 (-8)	WP	6	7-24	1500	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
9	B-2 (-20)	WP	6	7-24	1670	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
10	B-2 (u)	WP	6	7-24	1700	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
11	B-2 (u)	WP	6	7-24	1700	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12	B-2 (u)	WP	6	7-24	1700	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
ADDITIONAL COMMENTS																				
RELINQUISHED BY / AFFILIATION																				
DATE																				
TIME																				
ACCEPTED BY / AFFILIATION																				
DATE																				
TIME																				
SAMPLE CONDITIONS																				
TEMP IN °C																				
RECEIVED ON																				
ICE (Y/N)																				
CUSTODY (Y/N)																				
SAMPLES INTACT (Y/N)																				

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: <b>Adam Smith</b>	DATE Signed (MM/DD/YY): <b>7-24-07</b>
SIGNATURE of SAMPLER: <i>[Signature]</i>	

August 08, 2007

Mr. Adam Smith  
PSI, Inc.  
P.O. Box 60992  
North Charleston, SC 29419

RE: Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Dear Mr. Smith:

Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

The results relate only to samples in this report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Andy Stevens  
andy.stevens@pacelabs.com  
Project Manager

Enclosures

Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

Solid results are reported on a dry weight basis

Lab Sample No: 928684638

Project Sample Number: 92149645-001

Date Collected: 07/25/07 09:30

Client Sample ID: B-3 (.8)

Matrix: Soil

Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>Metals</b>									
Metals, Trace ICP	Prep/Method: EPA 3050 / EPA 6010								
Aluminum	5300	mg/kg	12.	1.2	07/29/07 02:23	JDA1	7429-90-5		
Antimony	ND	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-36-0		
Arsenic	1.4	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-38-2		
Barium	110	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-39-3		
Beryllium	0.68	mg/kg	0.12	1.2	07/29/07 02:23	JDA1	7440-41-7		
Boron	2.0	mg/kg	1.2	1.2	07/29/07 02:23	JDA1	7440-42-8		
Cadmium	ND	mg/kg	0.12	1.2	07/29/07 02:23	JDA1	7440-43-9		
Calcium	990	mg/kg	12.	1.2	07/29/07 02:23	JDA1	7440-70-2		
Chromium	7.7	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-47-3		
Cobalt	ND	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-48-4		
Copper	0.88	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-50-8		
Iron	1000	mg/kg	6.2	1.2	07/29/07 02:23	JDA1	7439-89-6		
Lead	6.8	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7439-92-1		
Magnesium	170	mg/kg	12.	1.2	07/29/07 02:23	JDA1	7439-95-4		
Manganese	2.2	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7439-96-5		
Molybdenum	0.78	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7439-98-7		
Nickel	0.82	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-02-0		
Potassium	120	mg/kg	120	1.2	07/29/07 02:23	JDA1	7440-09-7		
Selenium	ND	mg/kg	1.2	1.2	07/29/07 02:23	JDA1	7782-49-2		
Silicon	1400	mg/kg	12.	1.2	07/29/07 02:23	JDA1	7440-21-3		
Silver	ND	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-22-4		
Sodium	ND	mg/kg	120	1.2	07/29/07 02:23	JDA1	7440-23-5		
Strontium	210	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-24-6		
Thallium	ND	mg/kg	1.2	1.2	07/29/07 02:23	JDA1	7440-28-0		
Tin	2.9	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-31-5		
Titanium	29.	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-32-6		
Vanadium	3.1	mg/kg	0.62	1.2	07/29/07 02:23	JDA1	7440-62-2		
Zinc	8.6	mg/kg	1.2	1.2	07/29/07 02:23	JDA1	7440-66-6		
Date Digested	07/27/07 12:05				07/27/07 12:05				
Mercury, CVAAS, in Soil	Method: EPA 7471								
Mercury	0.011	mg/kg	0.0051	1.0	07/31/07 14:35	JMW	7439-97-6		
<b>Wet Chemistry</b>									
Percent Moisture	Method: % Moisture								
Percent Moisture	18.8	%		1.0	07/27/07 17:33	TNM			

Date: 08/08/07

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Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684638 Project Sample Number: 92149645-001 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (.8) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	83-32-9		
Acenaphthylene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	208-96-8		
Anthracene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	56-55-3		
Benzoic acid	ND	ug/kg	2000	1.2	08/07/07 17:07	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	810	1.2	08/07/07 17:07	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	410	1.2	08/07/07 17:07	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	410	1.2	08/07/07 17:07	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	810	1.2	08/07/07 17:07	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	810	1.2	08/07/07 17:07	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	410	1.2	08/07/07 17:07	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	410	1.2	08/07/07 17:07	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	410	1.2	08/07/07 17:07	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	410	1.2	08/07/07 17:07	BET	7005-72-3		
Chrysene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	53-70-3		
Dibenzofuran	ND	ug/kg	410	1.2	08/07/07 17:07	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	810	1.2	08/07/07 17:07	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	120-83-2		
Diethylphthalate	ND	ug/kg	410	1.2	08/07/07 17:07	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	410	1.2	08/07/07 17:07	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	410	1.2	08/07/07 17:07	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2000	1.2	08/07/07 17:07	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	410	1.2	08/07/07 17:07	BET	117-84-0		

Date: 08/08/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684638 Project Sample Number: 92149645-001 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (.8) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	410	1.2	08/07/07 17:07	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	410	1.2	08/07/07 17:07	BET	117-81-7		
Fluoranthene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	206-44-0		
Fluorene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	77-47-4		
Hexachloroethane	ND	ug/kg	410	1.2	08/07/07 17:07	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	193-39-5		
Isophorone	ND	ug/kg	410	1.2	08/07/07 17:07	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	410	1.2	08/07/07 17:07	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET			
Naphthalene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2000	1.2	08/07/07 17:07	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2000	1.2	08/07/07 17:07	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2000	1.2	08/07/07 17:07	BET	100-01-6		
Nitrobenzene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2000	1.2	08/07/07 17:07	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	410	1.2	08/07/07 17:07	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	410	1.2	08/07/07 17:07	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2000	1.2	08/07/07 17:07	BET	87-86-5		
Phenanthrene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	85-01-8		
Phenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	108-95-2		
Pyrene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	410	1.2	08/07/07 17:07	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	410	1.2	08/07/07 17:07	BET	88-06-2		
Nitrobenzene-d5 (S)	57	%		1.0	08/07/07 17:07	BET	4165-60-0		
2-Fluorobiphenyl (S)	59	%		1.0	08/07/07 17:07	BET	321-60-8		
Terphenyl-d14 (S)	69	%		1.0	08/07/07 17:07	BET	1718-51-0		
Phenol-d5 (S)	52	%		1.0	08/07/07 17:07	BET	4165-62-2		
2-Fluorophenol (S)	58	%		1.0	08/07/07 17:07	BET	367-12-4		
2,4,6-Tribromophenol (S)	70	%		1.0	08/07/07 17:07	BET	118-79-6		
Date Extracted	08/02/07				08/02/07				

Date: 08/08/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684638 Project Sample Number: 92149645-001 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (.8) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	180	1.8	08/01/07 22:48	DLK	67-64-1		
Benzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	71-43-2		
Bromobenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	75-27-4		
Bromoform	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	75-25-2		
Bromomethane	ND	ug/kg	18.	1.8	08/01/07 22:48	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	180	1.8	08/01/07 22:48	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	108-90-7		
Chloroethane	ND	ug/kg	18.	1.8	08/01/07 22:48	DLK	75-00-3		
Chloroform	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	67-66-3		
Chloromethane	ND	ug/kg	18.	1.8	08/01/07 22:48	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	106-93-4		
Dibromomethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	18.	1.8	08/01/07 22:48	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	10061-02-6		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684638 Project Sample Number: 92149645-001 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (.8) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	87-68-3		
2-Hexanone	ND	ug/kg	88.	1.8	08/01/07 22:48	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	99-87-6		
Methylene chloride	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	88.	1.8	08/01/07 22:48	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	1634-04-4		
Naphthalene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	103-65-1		
Styrene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	127-18-4		
Toluene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	79-00-5		
Trichloroethene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	88.	1.8	08/01/07 22:48	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	18.	1.8	08/01/07 22:48	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	18.	1.8	08/01/07 22:48	DLK			
o-Xylene	ND	ug/kg	8.8	1.8	08/01/07 22:48	DLK	95-47-6		
Toluene-d8 (S)	100	%		1.0	08/01/07 22:48	DLK	2037-26-5		
4-Bromofluorobenzene (S)	89	%		1.0	08/01/07 22:48	DLK	460-00-4		
Dibromofluoromethane (S)	105	%		1.0	08/01/07 22:48	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	126	%		1.0	08/01/07 22:48	DLK	17060-07-0		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684646 Project Sample Number: 92149645-002 Date Collected: 07/25/07 10:30  
Client Sample ID: B-3 (.13) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### Metals

Metals, Trace ICP		Prep/Method: EPA 3050 / EPA 6010	
Aluminum	3000	mg/kg	10.
Antimony	1.4	mg/kg	0.52
Arsenic	12.	mg/kg	0.52
Barium	6.8	mg/kg	0.52
Beryllium	0.20	mg/kg	0.10
Boron	12.	mg/kg	1.0
Cadmium	1.1	mg/kg	0.10
Calcium	290000	mg/kg	1000
Chromium	53.	mg/kg	0.52
Cobalt	ND	mg/kg	0.52
Copper	5.3	mg/kg	0.52
Iron	3400	mg/kg	5.2
Lead	0.78	mg/kg	0.52
Magnesium	2400	mg/kg	10.
Manganese	92.	mg/kg	0.52
Molybdenum	9.5	mg/kg	0.52
Nickel	20.	mg/kg	0.52
Potassium	1400	mg/kg	100
Selenium	5.0	mg/kg	1.0
Silicon	2600	mg/kg	10.
Silver	ND	mg/kg	0.52
Sodium	2500	mg/kg	100
Strontium	490	mg/kg	0.52
Thallium	1.0	mg/kg	1.0
Tin	1.9	mg/kg	0.52
Titanium	75.	mg/kg	0.52
Vanadium	37.	mg/kg	0.52
Zinc	46.	mg/kg	1.0
Date Digested	07/30/07 14:05		07/30/07 14:05

Mercury, CVAAS, in Soil		Method: EPA 7471	
Mercury	0.014	mg/kg	0.0079

#### Wet Chemistry

Percent Moisture		Method: % Moisture	
Percent Moisture	24.2	%	1.0 07/27/07 17:33 TNM

Date: 08/08/07

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#### REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684646 Project Sample Number: 92149645-002 Date Collected: 07/25/07 10:30  
Client Sample ID: B-3 (.13) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Semivolatiles</b>									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	83-32-9		
Acenaphthylene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	208-96-8		
Anthracene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	56-55-3		
Benzoic acid	ND	ug/kg	2200	1.3	08/07/07 17:27	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	870	1.3	08/07/07 17:27	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	440	1.3	08/07/07 17:27	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	440	1.3	08/07/07 17:27	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	870	1.3	08/07/07 17:27	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	870	1.3	08/07/07 17:27	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	440	1.3	08/07/07 17:27	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	440	1.3	08/07/07 17:27	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	440	1.3	08/07/07 17:27	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	440	1.3	08/07/07 17:27	BET	7005-72-3		
Chrysene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	53-70-3		
Dibenzofuran	ND	ug/kg	440	1.3	08/07/07 17:27	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	870	1.3	08/07/07 17:27	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	120-83-2		
Diethylphthalate	ND	ug/kg	440	1.3	08/07/07 17:27	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	440	1.3	08/07/07 17:27	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	440	1.3	08/07/07 17:27	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	2200	1.3	08/07/07 17:27	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	440	1.3	08/07/07 17:27	BET	117-84-0		

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Asheville Certification IDs  
NC Wastewater 40  
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FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684646 Project Sample Number: 92149645-002 Date Collected: 07/25/07 10:30  
Client Sample ID: B-3 (.13) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Diphenylhydrazine	ND	ug/kg	440	1.3	08/07/07 17:27	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	440	1.3	08/07/07 17:27	BET	117-81-7		
Fluoranthene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	206-44-0		
Fluorene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	77-47-4		
Hexachloroethane	ND	ug/kg	440	1.3	08/07/07 17:27	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	193-39-5		
Isophorone	ND	ug/kg	440	1.3	08/07/07 17:27	BET	78-59-1		
1-Methylnaphthalene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	90-12-0		
2-Methylnaphthalene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	440	1.3	08/07/07 17:27	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET			
Naphthalene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2200	1.3	08/07/07 17:27	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2200	1.3	08/07/07 17:27	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2200	1.3	08/07/07 17:27	BET	100-01-6		
Nitrobenzene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2200	1.3	08/07/07 17:27	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	440	1.3	08/07/07 17:27	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	440	1.3	08/07/07 17:27	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2200	1.3	08/07/07 17:27	BET	87-86-5		
Phenanthrene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	85-01-8		
Phenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	108-95-2		
Pyrene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	440	1.3	08/07/07 17:27	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	440	1.3	08/07/07 17:27	BET	88-06-2		
Nitrobenzene-d5 (S)	50	%		1.0	08/07/07 17:27	BET	4165-60-0		
2-Fluorobiphenyl (S)	50	%		1.0	08/07/07 17:27	BET	321-60-8		
Terphenyl-d14 (S)	72	%		1.0	08/07/07 17:27	BET	1718-51-0		
Phenol-d5 (S)	48	%		1.0	08/07/07 17:27	BET	4165-62-2		
2-Fluorophenol (S)	57	%		1.0	08/07/07 17:27	BET	367-12-4		
2,4,6-Tribromophenol (S)	59	%		1.0	08/07/07 17:27	BET	118-79-6		
Date Extracted	08/02/07				08/02/07				

Date: 08/08/07

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684646 Project Sample Number: 92149645-002 Date Collected: 07/25/07 10:30  
Client Sample ID: B-3 (.13) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC/MS Volatiles</b>									
GC/MS VOCs 5035/8260 low level Method: EPA 8260									
Acetone	ND	ug/kg	110	1.1	08/01/07 23:07	DLK	67-64-1		
Benzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	71-43-2		
Bromobenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	75-27-4		
Bromoform	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	75-25-2		
Bromomethane	ND	ug/kg	11.	1.1	08/01/07 23:07	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	110	1.1	08/01/07 23:07	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	108-90-7		
Chloroethane	ND	ug/kg	11.	1.1	08/01/07 23:07	DLK	75-00-3		
Chloroform	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	67-66-3		
Chloromethane	ND	ug/kg	11.	1.1	08/01/07 23:07	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	106-93-4		
Dibromomethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	11.	1.1	08/01/07 23:07	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	10061-02-6		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684646 Project Sample Number: 92149645-002 Date Collected: 07/25/07 10:30  
Client Sample ID: B-3 (.13) Matrix: Soil Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	87-68-3		
2-Hexanone	ND	ug/kg	53.	1.1	08/01/07 23:07	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	99-87-6		
Methylene chloride	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.	1.1	08/01/07 23:07	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	1634-04-4		
Naphthalene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	103-65-1		
Styrene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	127-18-4		
Toluene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	79-00-5		
Trichloroethene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	53.	1.1	08/01/07 23:07	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	11.	1.1	08/01/07 23:07	DLK	75-01-4		
m&p-Xylene	ND	ug/kg	11.	1.1	08/01/07 23:07	DLK			
o-Xylene	ND	ug/kg	5.3	1.1	08/01/07 23:07	DLK	95-47-6		
Toluene-d8 (S)	98	%		1.0	08/01/07 23:07	DLK	2037-26-5		
4-Bromofluorobenzene (S)	97	%		1.0	08/01/07 23:07	DLK	460-00-4		
Dibromofluoromethane (S)	103	%		1.0	08/01/07 23:07	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	116	%		1.0	08/01/07 23:07	DLK	17060-07-0		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684653      Project Sample Number: 92149645-003      Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (W)      Matrix: Water      Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
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#### Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010							
Aluminum	1300000	ug/l	10000	100	07/31/07 20:54	SHB	7429-90-5		
Antimony	ND	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-36-0		
Arsenic	780	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-38-2		
Barium	8400	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-39-3		
Beryllium	110	ug/l	1.0	1.0	07/31/07 20:54	SHB	7440-41-7		
Boron	ND	ug/l	10.	1.0	07/31/07 20:54	SHB	7440-42-8		
Cadmium	84.	ug/l	1.0	1.0	07/31/07 20:54	SHB	7440-43-9		
Calcium	1500000	ug/l	10000	100	07/31/07 20:54	SHB	7440-70-2		
Chromium	2200	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-47-3		
Cobalt	770	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-48-4		
Copper	620	ug/l	2.0	1.0	07/31/07 20:54	SHB	7440-50-8		
Iron	910000	ug/l	5000	100	07/31/07 20:54	SHB	7439-89-6		
Lead	910	ug/l	5.0	1.0	07/31/07 20:54	SHB	7439-92-1		
Magnesium	86000	ug/l	10000	100	07/31/07 20:54	SHB	7439-95-4		
Manganese	12000	ug/l	500	100	07/31/07 20:54	SHB	7439-96-5		
Molybdenum	210	ug/l	5.0	1.0	07/31/07 20:54	SHB	7439-98-7		
Nickel	490	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-02-0		
Potassium	ND	ug/l	100000	100	07/31/07 20:54	SHB	7440-09-7		
Selenium	ND	ug/l	10.	1.0	07/31/07 20:54	SHB	7782-49-2		
Silicon	220000	ug/l	10000	100	07/31/07 20:54	SHB	7440-21-3		
Silver	ND	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-22-4		
Sodium	54000	ug/l	1000	1.0	07/31/07 20:54	SHB	7440-23-5		
Strontium	38000	ug/l	500	100	07/31/07 20:54	SHB	7440-24-6		
Thallium	16.	ug/l	10.	1.0	07/31/07 20:54	SHB	7440-28-0		
Tin	38.	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-31-5		
Titanium	490	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-32-6		
Total Hardness	2200000	ug/l	2000	1.0	07/31/07 20:54	SHB			
Vanadium	1700	ug/l	5.0	1.0	07/31/07 20:54	SHB	7440-62-2		
Zinc	2000	ug/l	10.	1.0	07/31/07 20:54	SHB	7440-66-6		
Date Digested	07/30/07 16:35				07/30/07 16:35				

Mercury, CVAAS, in Water		Method: EPA 7470							
Mercury	3.2	ug/l	0.20	1.0	08/01/07 12:09	JMW	7439-97-6		

#### GC/MS Semivolatiles

Semivolatile Organics		Prep/Method: EPA 3510 / EPA 8270							
Acenaphthene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	83-32-9		

Date: 08/08/07

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Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684653 Project Sample Number: 92149645-003 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (W) Matrix: Water Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acenaphthylene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	208-96-8		
Aniline	ND	ug/l	17.	1.7	07/30/07 16:30	BET	62-53-3		
Anthracene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	205-99-2		
Benzo(a)anthracene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	56-55-3		
Benzoic acid	ND	ug/l	83.	1.7	07/30/07 16:30	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	191-24-2		
Benzyl alcohol	ND	ug/l	33.	1.7	07/30/07 16:30	BET	100-51-6		
Benzo(a)pyrene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/l	17.	1.7	07/30/07 16:30	BET	101-55-3		
Butylbenzylphthalate	ND	ug/l	17.	1.7	07/30/07 16:30	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/l	33.	1.7	07/30/07 16:30	BET	59-50-7		
4-Chloroaniline	ND	ug/l	33.	1.7	07/30/07 16:30	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/l	17.	1.7	07/30/07 16:30	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/l	17.	1.7	07/30/07 16:30	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/l	17.	1.7	07/30/07 16:30	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	91-58-7		
2-Chlorophenol	ND	ug/l	17.	1.7	07/30/07 16:30	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/l	17.	1.7	07/30/07 16:30	BET	7005-72-3		
Chrysene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	53-70-3		
Dibenzofuran	ND	ug/l	17.	1.7	07/30/07 16:30	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/l	33.	1.7	07/30/07 16:30	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/l	17.	1.7	07/30/07 16:30	BET	120-83-2		
Diethylphthalate	ND	ug/l	17.	1.7	07/30/07 16:30	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/l	17.	1.7	07/30/07 16:30	BET	105-67-9		
Dimethylphthalate	ND	ug/l	17.	1.7	07/30/07 16:30	BET	131-11-3		
Di-n-butylphthalate	ND	ug/l	17.	1.7	07/30/07 16:30	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/l	83.	1.7	07/30/07 16:30	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/l	83.	1.7	07/30/07 16:30	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	606-20-2		
Di-n-octylphthalate	ND	ug/l	17.	1.7	07/30/07 16:30	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/l	33.	1.7	07/30/07 16:30	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/l	17.	1.7	07/30/07 16:30	BET	117-81-7		

Date: 08/08/07

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Asheville Certification IDs  
NC Wastewater 40  
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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684653 Project Sample Number: 92149645-003 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (W) Matrix: Water Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Fluoranthene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	206-44-0		
Fluorene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	87-68-3		
Hexachlorobenzene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	77-47-4		
Hexachloroethane	ND	ug/l	17.	1.7	07/30/07 16:30	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	193-39-5		
Isophorone	ND	ug/l	17.	1.7	07/30/07 16:30	BET	78-59-1		
1-Methylnaphthalene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	90-12-0		
2-Methylnaphthalene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/l	17.	1.7	07/30/07 16:30	BET	95-48-7		
3&4-Methylphenol	ND	ug/l	17.	1.7	07/30/07 16:30	BET			
Naphthalene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	91-20-3		
2-Nitroaniline	ND	ug/l	83.	1.7	07/30/07 16:30	BET	88-74-4		
3-Nitroaniline	ND	ug/l	83.	1.7	07/30/07 16:30	BET	99-09-2		
4-Nitroaniline	ND	ug/l	83.	1.7	07/30/07 16:30	BET	100-01-6		
Nitrobenzene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	98-95-3		
2-Nitrophenol	ND	ug/l	17.	1.7	07/30/07 16:30	BET	88-75-5		
4-Nitrophenol	ND	ug/l	83.	1.7	07/30/07 16:30	BET	100-02-7		
N-Nitrosodimethylamine	ND	ug/l	17.	1.7	07/30/07 16:30	BET	62-75-9		
N-Nitroso-di-n-propylamine	ND	ug/l	17.	1.7	07/30/07 16:30	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/l	17.	1.7	07/30/07 16:30	BET	86-30-6		
Pentachlorophenol	ND	ug/l	83.	1.7	07/30/07 16:30	BET	87-86-5		
Phenanthrene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	85-01-8		
Phenol	ND	ug/l	17.	1.7	07/30/07 16:30	BET	108-95-2		
Pyrene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/l	17.	1.7	07/30/07 16:30	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/l	83.	1.7	07/30/07 16:30	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/l	17.	1.7	07/30/07 16:30	BET	88-06-2		
Nitrobenzene-d5 (S)	52	%		1.0	07/30/07 16:30	BET	4165-60-0		
2-Fluorobiphenyl (S)	48	%		1.0	07/30/07 16:30	BET	321-60-8		
Terphenyl-d14 (S)	72	%		1.0	07/30/07 16:30	BET	1718-51-0		
Phenol-d5 (S)	36	%		1.0	07/30/07 16:30	BET	4165-62-2		
2-Fluorophenol (S)	41	%		1.0	07/30/07 16:30	BET	367-12-4		
2,4,6-Tribromophenol (S)	52	%		1.0	07/30/07 16:30	BET	118-79-6		
Date Extracted	07/27/07				07/27/07				

#### GC/MS Volatiles

GC/MS VOCs by 8260 Method: EPA 8260

Date: 08/08/07

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#### REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684653 Project Sample Number: 92149645-003 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (W) Matrix: Water Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	25.	1.0	08/02/07 01:54	MSF	67-64-1		
Benzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	71-43-2		
Bromobenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	108-86-1		
Bromochloromethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	75-27-4		
Bromoform	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	75-25-2		
Bromomethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	1.0	08/02/07 01:54	MSF	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	56-23-5		
Chlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	108-90-7		
Chloroethane	ND	ug/l	10.	1.0	08/02/07 01:54	MSF	75-00-3		
Chloroform	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	67-66-3		
Chloromethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	74-87-3		
2-Chlorotoluene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	106-93-4		
Dibromomethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	108-20-3		
Ethylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	100-41-4		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

Lab Sample No: 928684653 Project Sample Number: 92149645-003 Date Collected: 07/25/07 09:30  
Client Sample ID: B-3 (W) Matrix: Water Date Received: 07/26/07 09:15

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Hexachloro-1,3-butadiene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	87-68-3		
2-Hexanone	ND	ug/l	10.	1.0	08/02/07 01:54	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	99-87-6		
Methylene chloride	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	1.0	08/02/07 01:54	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	1634-04-4		
Naphthalene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	103-65-1		
Styrene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	127-18-4		
Toluene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	79-00-5		
Trichloroethene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	1.0	08/02/07 01:54	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	108-67-8		
Vinyl acetate	ND	ug/l	10.	1.0	08/02/07 01:54	MSF	108-05-4		
Vinyl chloride	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	75-01-4		
m&p-Xylene	ND	ug/l	10.	1.0	08/02/07 01:54	MSF			
o-Xylene	ND	ug/l	5.0	1.0	08/02/07 01:54	MSF	95-47-6		
Toluene-d8 (S)	101	%		1.0	08/02/07 01:54	MSF	2037-26-5		
4-Bromofluorobenzene (S)	105	%		1.0	08/02/07 01:54	MSF	460-00-4		
Dibromofluoromethane (S)	97	%		1.0	08/02/07 01:54	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%		1.0	08/02/07 01:54	MSF	17060-07-0		

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## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

## PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate



## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 194707      Analysis Method: EPA 8270  
QC Batch Method: EPA 3510      Analysis Description: Semivolatile Organics  
Associated Lab Samples: 928684653

METHOD BLANK: 928688001  
Associated Lab Samples: 928684653

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acenaphthene	ug/l	ND	10.	
Acenaphthylene	ug/l	ND	10.	
Aniline	ug/l	ND	10.	
Anthracene	ug/l	ND	10.	
Benzo(k)fluoranthene	ug/l	ND	10.	
Benzo(b)fluoranthene	ug/l	ND	10.	
Benzo(a)anthracene	ug/l	ND	10.	
Benzoic acid	ug/l	ND	50.	
Benzo(g,h,i)perylene	ug/l	ND	10.	
Benzyl alcohol	ug/l	ND	20.	
Benzo(a)pyrene	ug/l	ND	10.	
4-Bromophenylphenyl ether	ug/l	ND	10.	
Butylbenzylphthalate	ug/l	ND	10.	
4-Chloro-3-methylphenol	ug/l	ND	20.	
4-Chloroaniline	ug/l	ND	20.	
bis(2-Chloroethoxy)methane	ug/l	ND	10.	
bis(2-Chloroethyl) ether	ug/l	ND	10.	
bis(2-Chloroisopropyl) ether	ug/l	ND	10.	
2-Chloronaphthalene	ug/l	ND	10.	
2-Chlorophenol	ug/l	ND	10.	
4-Chlorophenylphenyl ether	ug/l	ND	10.	
Chrysene	ug/l	ND	10.	
Dibenz(a,h)anthracene	ug/l	ND	10.	
Dibenzofuran	ug/l	ND	10.	
1,2-Dichlorobenzene	ug/l	ND	10.	
1,3-Dichlorobenzene	ug/l	ND	10.	
1,4-Dichlorobenzene	ug/l	ND	10.	
3,3'-Dichlorobenzidine	ug/l	ND	20.	
2,4-Dichlorophenol	ug/l	ND	10.	
Diethylphthalate	ug/l	ND	10.	
2,4-Dimethylphenol	ug/l	ND	10.	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928688001

Associated Lab Samples: 928684653

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Dimethylphthalate	ug/l	ND	10.	
Di-n-butylphthalate	ug/l	ND	10.	
4,6-Dinitro-2-methylphenol	ug/l	ND	50.	
2,4-Dinitrophenol	ug/l	ND	50.	
2,4-Dinitrotoluene	ug/l	ND	10.	
2,6-Dinitrotoluene	ug/l	ND	10.	
Di-n-octylphthalate	ug/l	ND	10.	
1,2-Diphenylhydrazine	ug/l	ND	20.	
bis(2-Ethylhexyl)phthalate	ug/l	ND	10.	
Fluoranthene	ug/l	ND	10.	
Fluorene	ug/l	ND	10.	
Hexachloro-1,3-butadiene	ug/l	ND	10.	
Hexachlorobenzene	ug/l	ND	10.	
Hexachlorocyclopentadiene	ug/l	ND	10.	
Hexachloroethane	ug/l	ND	10.	
Indeno(1,2,3-cd)pyrene	ug/l	ND	10.	
Isophorone	ug/l	ND	10.	
1-Methylnaphthalene	ug/l	ND	10.	
2-Methylnaphthalene	ug/l	ND	10.	
2-Methylphenol (o-Cresol)	ug/l	ND	10.	
3&4-Methylphenol	ug/l	ND	10.	
Naphthalene	ug/l	ND	10.	
2-Nitroaniline	ug/l	ND	50.	
3-Nitroaniline	ug/l	ND	50.	
4-Nitroaniline	ug/l	ND	50.	
Nitrobenzene	ug/l	ND	10.	
2-Nitrophenol	ug/l	ND	10.	
4-Nitrophenol	ug/l	ND	50.	
N-Nitrosodimethylamine	ug/l	ND	10.	
N-Nitroso-di-n-propylamine	ug/l	ND	10.	
N-Nitrosodiphenylamine	ug/l	ND	10.	
Pentachlorophenol	ug/l	ND	50.	
Phenanthrene	ug/l	ND	10.	
Phenol	ug/l	ND	10.	
Pyrene	ug/l	ND	10.	
1,2,4-Trichlorobenzene	ug/l	ND	10.	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928688001

Associated Lab Samples: 928684653

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
2,4,5-Trichlorophenol	ug/l	ND	50.	
2,4,6-Trichlorophenol	ug/l	ND	10.	
Nitrobenzene-d5 (S)	%	52		
2-Fluorobiphenyl (S)	%	54		
Terphenyl-d14 (S)	%	60		
Phenol-d5 (S)	%	19		1
2-Fluorophenol (S)	%	35		
2,4,6-Tribromophenol (S)	%	58		

LABORATORY CONTROL SAMPLE: 928657741

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acenaphthene	ug/l	50.00	41.65	83	
Acenaphthylene	ug/l	50.00	41.61	83	
Aniline	ug/l	50.00	41.74	84	
Anthracene	ug/l	50.00	46.40	93	
Benzo(k)fluoranthene	ug/l	50.00	47.36	95	
Benzo(b)fluoranthene	ug/l	50.00	43.41	87	
Benzo(a)anthracene	ug/l	50.00	38.46	77	
Benzoic acid	ug/l	50.00	8.525	17	
Benzo(g,h,i)perylene	ug/l	50.00	49.52	99	
Benzyl alcohol	ug/l	50.00	38.81	78	
Benzo(a)pyrene	ug/l	50.00	46.24	92	
4-Bromophenylphenyl ether	ug/l	50.00	52.71	105	
Butylbenzylphthalate	ug/l	50.00	42.87	86	
4-Chloro-3-methylphenol	ug/l	50.00	48.25	96	
4-Chloroaniline	ug/l	50.00	46.31	93	
bis(2-Chloroethoxy)methane	ug/l	50.00	46.37	93	
bis(2-Chloroethyl) ether	ug/l	50.00	44.04	88	
bis(2-Chloroisopropyl) ether	ug/l	50.00	40.83	82	
2-Chloronaphthalene	ug/l	50.00	39.45	79	
2-Chlorophenol	ug/l	50.00	48.78	98	
4-Chlorophenylphenyl ether	ug/l	50.00	40.85	82	
Chrysene	ug/l	50.00	41.45	83	

Date: 08/08/07

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928657741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Dibenz(a,h)anthracene	ug/l	50.00	46.98	94	
Dibenzofuran	ug/l	50.00	41.72	83	
1,2-Dichlorobenzene	ug/l	50.00	43.25	86	
1,3-Dichlorobenzene	ug/l	50.00	35.07	70	
1,4-Dichlorobenzene	ug/l	50.00	42.84	86	
3,3'-Dichlorobenzidine	ug/l	100.00	13.97	14	2
2,4-Dichlorophenol	ug/l	50.00	46.52	93	
Diethylphthalate	ug/l	50.00	44.06	88	
2,4-Dimethylphenol	ug/l	50.00	40.51	81	
Dimethylphthalate	ug/l	50.00	43.48	87	
Di-n-butylphthalate	ug/l	50.00	51.07	102	
4,6-Dinitro-2-methylphenol	ug/l	50.00	50.60	101	
2,4-Dinitrophenol	ug/l	50.00	37.64	75	
2,4-Dinitrotoluene	ug/l	50.00	45.01	90	
2,6-Dinitrotoluene	ug/l	50.00	45.25	90	
Di-n-octylphthalate	ug/l	50.00	39.89	80	
1,2-Diphenylhydrazine	ug/l	50.00	47.87	96	
bis(2-Ethylhexyl)phthalate	ug/l	50.00	42.21	84	
Fluoranthene	ug/l	50.00	51.20	102	
Fluorene	ug/l	50.00	42.19	84	
Hexachloro-1,3-butadiene	ug/l	50.00	38.28	77	
Hexachlorobenzene	ug/l	50.00	50.73	101	
Hexachlorocyclopentadiene	ug/l	50.00	26.44	53	
Hexachloroethane	ug/l	50.00	38.65	77	
Indeno(1,2,3-cd)pyrene	ug/l	50.00	47.18	94	
Isophorone	ug/l	50.00	49.80	100	
1-Methylnaphthalene	ug/l	50.00	39.08	78	
2-Methylnaphthalene	ug/l	50.00	50.43	101	
2-Methylphenol (o-Cresol)	ug/l	50.00	40.71	81	
3&4-Methylphenol	ug/l	50.00	43.12	86	
Naphthalene	ug/l	50.00	45.02	90	
2-Nitroaniline	ug/l	50.00	35.55	71	
3-Nitroaniline	ug/l	50.00	37.00	74	
4-Nitroaniline	ug/l	50.00	27.24	54	
Nitrobenzene	ug/l	50.00	49.82	100	
2-Nitrophenol	ug/l	50.00	47.87	96	
4-Nitrophenol	ug/l	50.00	23.37	47	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928657741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
N-Nitrosodimethylamine	ug/l	50.00	25.85	52	
N-Nitroso-di-n-propylamine	ug/l	50.00	46.01	92	
N-Nitrosodiphenylamine	ug/l	50.00	49.05	98	
Pentachlorophenol	ug/l	50.00	37.60	75	
Phenanthrene	ug/l	50.00	45.77	92	
Phenol	ug/l	50.00	26.50	53	
Pyrene	ug/l	50.00	40.71	81	
1,2,4-Trichlorobenzene	ug/l	50.00	41.20	82	
2,4,5-Trichlorophenol	ug/l	50.00	42.18	84	
2,4,6-Trichlorophenol	ug/l	50.00	40.09	80	
Nitrobenzene-d5 (S)				71	
2-Fluorobiphenyl (S)				69	
Terphenyl-d14 (S)				58	
Phenol-d5 (S)				31	
2-Fluorophenol (S)				48	
2,4,6-Tribromophenol (S)				64	

LABORATORY CONTROL SAMPLE: 928688019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acenaphthene	ug/l	50.00	38.97	78	
Acenaphthylene	ug/l	50.00	38.73	78	
Aniline	ug/l	50.00	26.18	52	
Anthracene	ug/l	50.00	41.98	84	
Benzo(k)fluoranthene	ug/l	50.00	40.19	80	
Benzo(b)fluoranthene	ug/l	50.00	35.73	72	
Benzo(a)anthracene	ug/l	50.00	39.75	80	
Benzoic acid	ug/l	50.00	18.26	36	
Benzo(g,h,i)perylene	ug/l	50.00	42.45	85	
Benzyl alcohol	ug/l	50.00	23.67	47	
Benzo(a)pyrene	ug/l	50.00	41.45	83	
4-Bromophenylphenyl ether	ug/l	50.00	39.20	78	
Butylbenzylphthalate	ug/l	50.00	39.09	78	
4-Chloro-3-methylphenol	ug/l	50.00	42.10	84	
4-Chloroaniline	ug/l	50.00	49.03	98	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928688019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
bis(2-Chloroethoxy)methane	ug/l	50.00	38.67	77	
bis(2-Chloroethyl) ether	ug/l	50.00	32.53	65	
bis(2-Chloroisopropyl) ether	ug/l	50.00	33.03	66	
2-Chloronaphthalene	ug/l	50.00	43.45	87	
2-Chlorophenol	ug/l	50.00	36.32	73	
4-Chlorophenylphenyl ether	ug/l	50.00	42.77	86	
Chrysene	ug/l	50.00	36.74	74	
Dibenz(a,h)anthracene	ug/l	50.00	41.95	84	
Dibenzofuran	ug/l	50.00	37.71	75	
1,2-Dichlorobenzene	ug/l	50.00	26.53	53	
1,3-Dichlorobenzene	ug/l	50.00	25.39	51	
1,4-Dichlorobenzene	ug/l	50.00	24.83	50	
3,3'-Dichlorobenzidine	ug/l	100.00	37.62	38	
2,4-Dichlorophenol	ug/l	50.00	39.12	78	
Diethylphthalate	ug/l	50.00	43.52	87	
2,4-Dimethylphenol	ug/l	50.00	38.25	76	
Dimethylphthalate	ug/l	50.00	41.71	83	
Di-n-butylphthalate	ug/l	50.00	41.74	84	
4,6-Dinitro-2-methylphenol	ug/l	50.00	43.05	86	
2,4-Dinitrophenol	ug/l	50.00	48.31	97	
2,4-Dinitrotoluene	ug/l	50.00	40.17	80	
2,6-Dinitrotoluene	ug/l	50.00	38.70	77	
Di-n-octylphthalate	ug/l	50.00	36.69	73	
1,2-Diphenylhydrazine	ug/l	50.00	38.97	78	
bis(2-Ethylhexyl)phthalate	ug/l	50.00	38.00	76	
Fluoranthene	ug/l	50.00	42.05	84	
Fluorene	ug/l	50.00	41.81	84	
Hexachloro-1,3-butadiene	ug/l	50.00	26.50	53	
Hexachlorobenzene	ug/l	50.00	37.09	74	
Hexachlorocyclopentadiene	ug/l	50.00	24.56	49	
Hexachloroethane	ug/l	50.00	22.46	45	
Indeno(1,2,3-cd)pyrene	ug/l	50.00	40.73	82	
Isophorone	ug/l	50.00	39.90	80	
1-Methylnaphthalene	ug/l	50.00	42.91	86	
2-Methylnaphthalene	ug/l	50.00	30.27	60	
2-Methylphenol (o-Cresol)	ug/l	50.00	34.78	70	
3&4-Methylphenol	ug/l	50.00	33.82	68	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928688019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Naphthalene	ug/l	50.00	37.72	75	
2-Nitroaniline	ug/l	50.00	37.60	75	
3-Nitroaniline	ug/l	50.00	42.18	84	
4-Nitroaniline	ug/l	50.00	37.69	75	
Nitrobenzene	ug/l	50.00	35.55	71	
2-Nitrophenol	ug/l	50.00	37.53	75	
4-Nitrophenol	ug/l	50.00	24.58	49	
N-Nitrosodimethylamine	ug/l	50.00	23.31	47	
N-Nitroso-di-n-propylamine	ug/l	50.00	35.07	70	
N-Nitrosodiphenylamine	ug/l	100.00	78.85	79	
Pentachlorophenol	ug/l	50.00	31.97	64	
Phenanthrene	ug/l	50.00	40.05	80	
Phenol	ug/l	50.00	17.64	35	
Pyrene	ug/l	50.00	42.68	85	
1,2,4-Trichlorobenzene	ug/l	50.00	29.38	59	
2,4,5-Trichlorophenol	ug/l	50.00	42.13	84	
2,4,6-Trichlorophenol	ug/l	50.00	41.20	82	
Nitrobenzene-d5 (S)				76	
2-Fluorobiphenyl (S)				82	
Terphenyl-d14 (S)				94	
Phenol-d5 (S)				34	
2-Fluorophenol (S)				54	
2,4,6-Tribromophenol (S)				90	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928657758 928657766

Parameter	Units	928642594 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Acenaphthene	ug/l	0	100.00	100.4	97.75	100	98	3	
4-Chloro-3-methylphenol	ug/l	0	100.00	97.26	94.74	97	95	3	
2-Chlorophenol	ug/l	0	100.00	91.53	93.54	92	94	2	
1,4-Dichlorobenzene	ug/l	0	100.00	84.40	87.52	84	88	4	
2,4-Dinitrotoluene	ug/l	0	100.00	96.41	93.37	96	93	3	
4-Nitrophenol	ug/l	0	100.00	54.65	51.84	55	52	5	
N-Nitroso-di-n-propylamine	ug/l	0	100.00	92.43	93.16	92	93	1	
Pentachlorophenol	ug/l	0	100.00	23.18	19.38	23	19	18	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928657758 928657766

Parameter	Units	928642594 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Phenol	ug/l	0	100.00	51.09	49.26	51	49	4	
Pyrene	ug/l	0	100.00	97.71	94.96	98	95	3	
1,2,4-Trichlorobenzene	ug/l	0	100.00	83.06	87.79	83	88	6	
Nitrobenzene-d5 (S)						89	97		
2-Fluorobiphenyl (S)						104	105		
Terphenyl-d14 (S)						103	107		
Phenol-d5 (S)						48	54		
2-Fluorophenol (S)						55	53		
2,4,6-Tribromophenol (S)						99	110		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 196078	Analysis Method: EPA 8270
QC Batch Method: EPA 3545	Analysis Description: Semivolatile Organics
Associated Lab Samples: 928684638	928684646

METHOD BLANK: 928716109  
Associated Lab Samples: 928684638 928684646

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Acenaphthene	ug/kg	ND	330	
Acenaphthylene	ug/kg	ND	330	
Anthracene	ug/kg	ND	330	
Benzo(k)fluoranthene	ug/kg	ND	330	
Benzo(b)fluoranthene	ug/kg	ND	330	
Benzo(a)anthracene	ug/kg	ND	330	
Benzoic acid	ug/kg	ND	1600	
Benzo(g,h,i)perylene	ug/kg	ND	330	
Benzyl alcohol	ug/kg	ND	660	
Benzo(a)pyrene	ug/kg	ND	330	
4-Bromophenylphenyl ether	ug/kg	ND	330	
Butylbenzylphthalate	ug/kg	ND	330	
4-Chloro-3-methylphenol	ug/kg	ND	660	
4-Chloroaniline	ug/kg	ND	660	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	
bis(2-Chloroethyl) ether	ug/kg	ND	330	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	
2-Chloronaphthalene	ug/kg	ND	330	
2-Chlorophenol	ug/kg	ND	330	
4-Chlorophenylphenyl ether	ug/kg	ND	330	
Chrysene	ug/kg	ND	330	
Dibenz(a,h)anthracene	ug/kg	ND	330	
Dibenzofuran	ug/kg	ND	330	
1,2-Dichlorobenzene	ug/kg	ND	330	
1,3-Dichlorobenzene	ug/kg	ND	330	
1,4-Dichlorobenzene	ug/kg	ND	330	
3,3'-Dichlorobenzidine	ug/kg	ND	660	
2,4-Dichlorophenol	ug/kg	ND	330	
Diethylphthalate	ug/kg	ND	330	
2,4-Dimethylphenol	ug/kg	ND	330	
Dimethylphthalate	ug/kg	ND	330	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928716109

Associated Lab Samples: 928684638 928684646

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Di-n-butylphthalate	ug/kg	ND	330	
4,6-Dinitro-2-methylphenol	ug/kg	ND	330	
2,4-Dinitrophenol	ug/kg	ND	1600	
2,4-Dinitrotoluene	ug/kg	ND	330	
2,6-Dinitrotoluene	ug/kg	ND	330	
Di-n-octylphthalate	ug/kg	ND	330	
1,2-Diphenylhydrazine	ug/kg	ND	330	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	
Fluoranthene	ug/kg	ND	330	
Fluorene	ug/kg	ND	330	
Hexachloro-1,3-butadiene	ug/kg	ND	330	
Hexachlorobenzene	ug/kg	ND	330	
Hexachlorocyclopentadiene	ug/kg	ND	330	
Hexachloroethane	ug/kg	ND	330	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	
Isophorone	ug/kg	ND	330	
1-Methylnaphthalene	ug/kg	ND	330	
2-Methylnaphthalene	ug/kg	ND	330	
2-Methylphenol (o-Cresol)	ug/kg	ND	330	
3&4-Methylphenol	ug/kg	ND	330	
Naphthalene	ug/kg	ND	330	
2-Nitroaniline	ug/kg	ND	1600	
3-Nitroaniline	ug/kg	ND	1600	
4-Nitroaniline	ug/kg	ND	1600	
Nitrobenzene	ug/kg	ND	330	
2-Nitrophenol	ug/kg	ND	330	
4-Nitrophenol	ug/kg	ND	1600	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	
N-Nitrosodiphenylamine	ug/kg	ND	330	
Pentachlorophenol	ug/kg	ND	1600	
Phenanthrene	ug/kg	ND	330	
Phenol	ug/kg	ND	330	
Pyrene	ug/kg	ND	330	
1,2,4-Trichlorobenzene	ug/kg	ND	330	
2,4,5-Trichlorophenol	ug/kg	ND	330	
2,4,6-Trichlorophenol	ug/kg	ND	330	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928716109

Associated Lab Samples: 928684638 928684646

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Nitrobenzene-d5 (S)	%	75		
2-Fluorobiphenyl (S)	%	81		
Terphenyl-d14 (S)	%	94		
Phenol-d5 (S)	%	71		
2-Fluorophenol (S)	%	71		
2,4,6-Tribromophenol (S)	%	90		

LABORATORY CONTROL SAMPLE: 928716117

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acenaphthene	ug/kg	1667.00	1209	72	
Acenaphthylene	ug/kg	1667.00	1257	75	
Anthracene	ug/kg	1667.00	1296	78	
Benzo(k)fluoranthene	ug/kg	1667.00	1069	64	
Benzo(b)fluoranthene	ug/kg	1667.00	1209	72	
Benzo(a)anthracene	ug/kg	1667.00	1222	73	
Benzoic acid	ug/kg	1667.00	446.5	27	
Benzo(g,h,i)perylene	ug/kg	1667.00	1185	71	
Benzyl alcohol	ug/kg	1667.00	766.6	46	
Benzo(a)pyrene	ug/kg	1667.00	1287	77	
4-Bromophenylphenyl ether	ug/kg	1667.00	1210	73	
Butylbenzylphthalate	ug/kg	1667.00	1146	69	
4-Chloro-3-methylphenol	ug/kg	1667.00	1365	82	
4-Chloroaniline	ug/kg	1667.00	1619	97	
bis(2-Chloroethoxy)methane	ug/kg	1667.00	1142	68	
bis(2-Chloroethyl) ether	ug/kg	1667.00	1097	66	
bis(2-Chloroisopropyl) ether	ug/kg	1667.00	972.6	58	
2-Chloronaphthalene	ug/kg	1667.00	1090	65	
2-Chlorophenol	ug/kg	1667.00	1080	65	
4-Chlorophenylphenyl ether	ug/kg	1667.00	1256	75	
Chrysene	ug/kg	1667.00	1260	76	
Dibenz(a,h)anthracene	ug/kg	1667.00	1210	73	
Dibenzofuran	ug/kg	1667.00	1154	69	
1,2-Dichlorobenzene	ug/kg	1667.00	1022	61	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928716117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,3-Dichlorobenzene	ug/kg	1667.00	917.5	55	
1,4-Dichlorobenzene	ug/kg	1667.00	1053	63	
3,3'-Dichlorobenzidine	ug/kg	3333.00	966.9	29	
2,4-Dichlorophenol	ug/kg	1667.00	1256	75	
Diethylphthalate	ug/kg	1667.00	1170	70	
2,4-Dimethylphenol	ug/kg	1667.00	1270	76	
Dimethylphthalate	ug/kg	1667.00	1216	73	
Di-n-butylphthalate	ug/kg	1667.00	1060	64	
4,6-Dinitro-2-methylphenol	ug/kg	1667.00	871.0	52	
2,4-Dinitrophenol	ug/kg	1667.00	658.4	40	
2,4-Dinitrotoluene	ug/kg	1667.00	1126	68	
2,6-Dinitrotoluene	ug/kg	1667.00	1184	71	
Di-n-octylphthalate	ug/kg	1667.00	1099	66	
1,2-Diphenylhydrazine	ug/kg	1667.00	1144	69	
bis(2-Ethylhexyl)phthalate	ug/kg	1667.00	1127	68	
Fluoranthene	ug/kg	1667.00	1125	68	
Fluorene	ug/kg	1667.00	1310	79	
Hexachloro-1,3-butadiene	ug/kg	1667.00	1081	65	
Hexachlorobenzene	ug/kg	1667.00	1164	70	
Hexachlorocyclopentadiene	ug/kg	1667.00	590.9	36	
Hexachloroethane	ug/kg	1667.00	949.2	57	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	1196	72	
Isophorone	ug/kg	1667.00	1278	77	
1-Methylnaphthalene	ug/kg	1667.00	1561	94	
2-Methylnaphthalene	ug/kg	1667.00	1358	82	
2-Methylphenol (o-Cresol)	ug/kg	1667.00	1205	72	
3&4-Methylphenol	ug/kg	1667.00	1306	78	
Naphthalene	ug/kg	1667.00	1188	71	
2-Nitroaniline	ug/kg	1667.00	1266	76	
3-Nitroaniline	ug/kg	1667.00	1401	84	
4-Nitroaniline	ug/kg	1667.00	1240	74	
Nitrobenzene	ug/kg	1667.00	1079	65	
2-Nitrophenol	ug/kg	1667.00	1164	70	
4-Nitrophenol	ug/kg	1667.00	631.4	38	
N-Nitroso-di-n-propylamine	ug/kg	1667.00	1104	66	
N-Nitrosodiphenylamine	ug/kg	1667.00	1180	71	
Pentachlorophenol	ug/kg	1667.00	1118	67	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928716117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Phenanthrene	ug/kg	1667.00	1170	70	
Phenol	ug/kg	1667.00	1146	69	
Pyrene	ug/kg	1667.00	1414	85	
1,2,4-Trichlorobenzene	ug/kg	1667.00	1102	66	
2,4,5-Trichlorophenol	ug/kg	1667.00	1314	79	
2,4,6-Trichlorophenol	ug/kg	1667.00	1223	73	
Nitrobenzene-d5 (S)				64	
2-Fluorobiphenyl (S)				68	
Terphenyl-d14 (S)				81	
Phenol-d5 (S)				63	
2-Fluorophenol (S)				64	
2,4,6-Tribromophenol (S)				79	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928716125 928716133

Parameter	Units	928684638 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Acenaphthene	ug/kg	0	2052.00	1218	1491	59	73	20	
4-Chloro-3-methylphenol	ug/kg	0	2052.00	1479	1706	72	83	14	
2-Chlorophenol	ug/kg	0	2052.00	1051	1275	51	62	19	
1,4-Dichlorobenzene	ug/kg	0	2052.00	917.1	1075	45	52	16	
2,4-Dinitrotoluene	ug/kg	0	2052.00	1093	1361	53	66	22	
4-Nitrophenol	ug/kg	0	2052.00	1476	944.3	72	46	44	3
N-Nitroso-di-n-propylamine	ug/kg	0	2052.00	1139	1350	56	66	17	
Pentachlorophenol	ug/kg	0	2052.00	1207	1625	59	79	30	
Phenol	ug/kg	0	2052.00	1085	1344	53	66	21	
Pyrene	ug/kg	0	2052.00	1675	2011	82	98	18	
1,2,4-Trichlorobenzene	ug/kg	0	2052.00	1086	1351	53	66	22	
Nitrobenzene-d5 (S)						53	69		
2-Fluorobiphenyl (S)						62	70		
Terphenyl-d14 (S)						84	93		
Phenol-d5 (S)						49	60		
2-Fluorophenol (S)						50	63		
2,4,6-Tribromophenol (S)						67	81		

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195950  
QC Batch Method: EPA 8260  
Associated Lab Samples: 928684653

Analysis Method: EPA 8260  
Analysis Description: GC/MS VOCs by 8260

METHOD BLANK: 928706738  
Associated Lab Samples: 928684653

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Acetone	ug/l	ND	25.	
Benzene	ug/l	ND	5.0	
Bromobenzene	ug/l	ND	5.0	
Bromochloromethane	ug/l	ND	5.0	
Bromodichloromethane	ug/l	ND	5.0	
Bromoform	ug/l	ND	5.0	
Bromomethane	ug/l	ND	5.0	
2-Butanone (MEK)	ug/l	ND	10.	
n-Butylbenzene	ug/l	ND	5.0	
sec-Butylbenzene	ug/l	ND	5.0	
tert-Butylbenzene	ug/l	ND	5.0	
Carbon tetrachloride	ug/l	ND	5.0	
Chlorobenzene	ug/l	ND	5.0	
Chloroethane	ug/l	ND	10.	
Chloroform	ug/l	ND	5.0	
Chloromethane	ug/l	ND	5.0	
2-Chlorotoluene	ug/l	ND	5.0	
4-Chlorotoluene	ug/l	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/l	ND	5.0	
Dibromochloromethane	ug/l	ND	5.0	
1,2-Dibromoethane (EDB)	ug/l	ND	5.0	
Dibromomethane	ug/l	ND	5.0	
1,2-Dichlorobenzene	ug/l	ND	5.0	
1,3-Dichlorobenzene	ug/l	ND	5.0	
1,4-Dichlorobenzene	ug/l	ND	5.0	
Dichlorodifluoromethane	ug/l	ND	5.0	
1,1-Dichloroethane	ug/l	ND	5.0	
1,2-Dichloroethane	ug/l	ND	5.0	
1,1-Dichloroethene	ug/l	ND	5.0	
cis-1,2-Dichloroethene	ug/l	ND	5.0	
trans-1,2-Dichloroethene	ug/l	ND	5.0	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928706738

Associated Lab Samples: 928684653

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
1,2-Dichloropropane	ug/l	ND	5.0	
1,3-Dichloropropane	ug/l	ND	5.0	
2,2-Dichloropropane	ug/l	ND	5.0	
1,1-Dichloropropene	ug/l	ND	5.0	
cis-1,3-Dichloropropene	ug/l	ND	5.0	
trans-1,3-Dichloropropene	ug/l	ND	5.0	
Diisopropyl ether	ug/l	ND	5.0	
Ethylbenzene	ug/l	ND	5.0	
Hexachloro-1,3-butadiene	ug/l	ND	5.0	
2-Hexanone	ug/l	ND	10.	
Isopropylbenzene (Cumene)	ug/l	ND	5.0	
p-Isopropyltoluene	ug/l	ND	5.0	
Methylene chloride	ug/l	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	10.	
Methyl-tert-butyl ether	ug/l	ND	5.0	
Naphthalene	ug/l	ND	5.0	
n-Propylbenzene	ug/l	ND	5.0	
Styrene	ug/l	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	5.0	
Tetrachloroethene	ug/l	ND	5.0	
Toluene	ug/l	ND	5.0	
1,2,3-Trichlorobenzene	ug/l	ND	5.0	
1,2,4-Trichlorobenzene	ug/l	ND	5.0	
1,1,1-Trichloroethane	ug/l	ND	5.0	
1,1,2-Trichloroethane	ug/l	ND	5.0	
Trichloroethene	ug/l	ND	5.0	
Trichlorofluoromethane	ug/l	ND	10.	
1,2,3-Trichloropropane	ug/l	ND	5.0	
1,2,4-Trimethylbenzene	ug/l	ND	5.0	
1,3,5-Trimethylbenzene	ug/l	ND	5.0	
Vinyl acetate	ug/l	ND	10.	
Vinyl chloride	ug/l	ND	5.0	
m&p-Xylene	ug/l	ND	10.	
o-Xylene	ug/l	ND	5.0	
Toluene-d8 (S)	%	101		

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928706738

Associated Lab Samples: 928684653

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
4-Bromofluorobenzene (S)	%	105		
Dibromofluoromethane (S)	%	94		
1,2-Dichloroethane-d4 (S)	%	96		

LABORATORY CONTROL SAMPLE: 928706746

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acetone	ug/l	100.00	101.9	102	
Benzene	ug/l	50.00	50.71	101	
Bromobenzene	ug/l	50.00	55.47	111	
Bromochloromethane	ug/l	50.00	52.91	106	
Bromodichloromethane	ug/l	50.00	57.59	115	
Bromoform	ug/l	50.00	41.06	82	
Bromomethane	ug/l	50.00	48.48	97	
2-Butanone (MEK)	ug/l	100.00	103.3	103	
n-Butylbenzene	ug/l	50.00	57.30	115	
sec-Butylbenzene	ug/l	50.00	56.21	112	
tert-Butylbenzene	ug/l	50.00	56.63	113	
Carbon tetrachloride	ug/l	50.00	52.56	105	
Chlorobenzene	ug/l	50.00	49.87	100	
Chloroethane	ug/l	50.00	52.39	105	
Chloroform	ug/l	50.00	57.30	115	
Chloromethane	ug/l	50.00	45.03	90	
2-Chlorotoluene	ug/l	50.00	51.30	103	
4-Chlorotoluene	ug/l	50.00	55.27	111	
1,2-Dibromo-3-chloropropane	ug/l	50.00	47.50	95	
Dibromochloromethane	ug/l	50.00	49.84	100	
1,2-Dibromoethane (EDB)	ug/l	50.00	50.74	101	
Dibromomethane	ug/l	50.00	52.18	104	
1,2-Dichlorobenzene	ug/l	50.00	54.87	110	
1,3-Dichlorobenzene	ug/l	50.00	54.45	109	
1,4-Dichlorobenzene	ug/l	50.00	52.27	105	
Dichlorodifluoromethane	ug/l	50.00	49.24	98	
1,1-Dichloroethane	ug/l	50.00	54.62	109	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928706746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2-Dichloroethane	ug/l	50.00	52.73	105	
1,1-Dichloroethene	ug/l	50.00	60.54	121	
cis-1,2-Dichloroethene	ug/l	50.00	55.40	111	
trans-1,2-Dichloroethene	ug/l	50.00	54.16	108	
1,2-Dichloropropane	ug/l	50.00	52.62	105	
1,3-Dichloropropane	ug/l	50.00	51.45	103	
2,2-Dichloropropane	ug/l	50.00	52.12	104	
1,1-Dichloropropene	ug/l	50.00	56.22	112	
cis-1,3-Dichloropropene	ug/l	50.00	51.65	103	
trans-1,3-Dichloropropene	ug/l	50.00	42.95	86	
Diisopropyl ether	ug/l	50.00	55.56	111	
Ethylbenzene	ug/l	50.00	50.29	101	
Hexachloro-1,3-butadiene	ug/l	50.00	59.64	119	
2-Hexanone	ug/l	100.00	102.5	102	
Isopropylbenzene (Cumene)	ug/l	50.00	53.61	107	
p-Isopropyltoluene	ug/l	50.00	57.43	115	
Methylene chloride	ug/l	50.00	52.18	104	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	89.19	89	
Methyl-tert-butyl ether	ug/l	50.00	54.23	108	
Naphthalene	ug/l	50.00	54.73	109	
n-Propylbenzene	ug/l	50.00	54.45	109	
Styrene	ug/l	50.00	42.31	85	
1,1,1,2-Tetrachloroethane	ug/l	50.00	51.00	102	
1,1,2,2-Tetrachloroethane	ug/l	50.00	51.34	103	
Tetrachloroethene	ug/l	50.00	50.52	101	
Toluene	ug/l	50.00	51.33	103	
1,2,3-Trichlorobenzene	ug/l	50.00	55.88	112	
1,2,4-Trichlorobenzene	ug/l	50.00	55.84	112	
1,1,1-Trichloroethane	ug/l	50.00	57.19	114	
1,1,2-Trichloroethane	ug/l	50.00	51.88	104	
Trichloroethene	ug/l	50.00	51.38	103	
Trichlorofluoromethane	ug/l	50.00	56.47	113	
1,2,3-Trichloropropane	ug/l	50.00	44.20	88	
1,2,4-Trimethylbenzene	ug/l	50.00	54.70	109	
1,3,5-Trimethylbenzene	ug/l	50.00	46.53	93	
Vinyl acetate	ug/l	100.00	130.0	130	
Vinyl chloride	ug/l	50.00	51.72	103	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928706746

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
m&p-Xylene	ug/l	100.00	79.10	79	
o-Xylene	ug/l	50.00	52.40	105	
Toluene-d8 (S)				101	
4-Bromofluorobenzene (S)				96	
Dibromofluoromethane (S)				101	
1,2-Dichloroethane-d4 (S)				113	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195979	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: GC/MS VOCs 5035/8260 low level
Associated Lab Samples: 928684638	928684646

METHOD BLANK: 928708866  
Associated Lab Samples: 928684638 928684646

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
2-Butanone (MEK)	ug/kg	ND	100	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928708866

Associated Lab Samples: 928684638 928684646

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	
Toluene-d8 (S)	%	103		

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### REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

METHOD BLANK: 928708866

Associated Lab Samples: 928684638 928684646

Parameter	Units	Blank Result	Reporting Limit	Footnotes
4-Bromofluorobenzene (S)	%	102		
Dibromofluoromethane (S)	%	105		
1,2-Dichloroethane-d4 (S)	%	125		

LABORATORY CONTROL SAMPLE: 928708874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/kg	100.00	127.7	128	
Benzene	ug/kg	50.00	42.04	84	
Bromobenzene	ug/kg	50.00	43.36	87	
Bromochloromethane	ug/kg	50.00	47.40	95	
Bromodichloromethane	ug/kg	50.00	46.41	93	
Bromoform	ug/kg	50.00	52.12	104	
Bromomethane	ug/kg	50.00	49.29	99	
2-Butanone (MEK)	ug/kg	100.00	123.8	124	
n-Butylbenzene	ug/kg	50.00	39.99	80	
sec-Butylbenzene	ug/kg	50.00	39.32	79	
tert-Butylbenzene	ug/kg	50.00	40.70	81	
Carbon tetrachloride	ug/kg	50.00	44.89	90	
Chlorobenzene	ug/kg	50.00	41.45	83	
Chloroethane	ug/kg	50.00	38.93	78	
Chloroform	ug/kg	50.00	44.32	89	
Chloromethane	ug/kg	50.00	34.49	69	
2-Chlorotoluene	ug/kg	50.00	40.13	80	
4-Chlorotoluene	ug/kg	50.00	42.98	86	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	60.97	122	
Dibromochloromethane	ug/kg	50.00	48.02	96	
1,2-Dibromoethane (EDB)	ug/kg	50.00	50.27	101	
Dibromomethane	ug/kg	50.00	50.80	102	
1,2-Dichlorobenzene	ug/kg	50.00	42.85	86	
1,3-Dichlorobenzene	ug/kg	50.00	42.31	85	
1,4-Dichlorobenzene	ug/kg	50.00	41.57	83	
Dichlorodifluoromethane	ug/kg	50.00	41.08	82	
1,1-Dichloroethane	ug/kg	50.00	43.79	88	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928708874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2-Dichloroethane	ug/kg	50.00	52.48	105	
1,1-Dichloroethene	ug/kg	50.00	41.28	83	
cis-1,2-Dichloroethene	ug/kg	50.00	45.83	92	
trans-1,2-Dichloroethene	ug/kg	50.00	44.70	89	
1,2-Dichloropropane	ug/kg	50.00	44.11	88	
1,3-Dichloropropane	ug/kg	50.00	48.57	97	
2,2-Dichloropropane	ug/kg	50.00	46.27	92	
1,1-Dichloropropene	ug/kg	50.00	44.50	89	
cis-1,3-Dichloropropene	ug/kg	50.00	47.07	94	
trans-1,3-Dichloropropene	ug/kg	50.00	52.08	104	
Diisopropyl ether	ug/kg	50.00	48.53	97	
Ethylbenzene	ug/kg	50.00	42.57	85	
Hexachloro-1,3-butadiene	ug/kg	50.00	42.52	85	
2-Hexanone	ug/kg	100.00	126.6	127	
Isopropylbenzene (Cumene)	ug/kg	50.00	41.18	82	
p-Isopropyltoluene	ug/kg	50.00	39.78	80	
Methylene chloride	ug/kg	50.00	44.59	89	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	125.7	126	
Methyl-tert-butyl ether	ug/kg	50.00	53.07	106	
Naphthalene	ug/kg	50.00	54.16	108	
n-Propylbenzene	ug/kg	50.00	40.10	80	
Styrene	ug/kg	50.00	43.81	88	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	44.71	89	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	53.12	106	
Tetrachloroethene	ug/kg	50.00	38.56	77	
Toluene	ug/kg	50.00	41.90	84	
1,2,3-Trichlorobenzene	ug/kg	50.00	48.99	98	
1,2,4-Trichlorobenzene	ug/kg	50.00	43.86	88	
1,1,1-Trichloroethane	ug/kg	50.00	44.76	90	
1,1,2-Trichloroethane	ug/kg	50.00	49.54	99	
Trichloroethene	ug/kg	50.00	41.90	84	
Trichlorofluoromethane	ug/kg	50.00	37.55	75	
1,2,3-Trichloropropane	ug/kg	50.00	55.21	110	
1,2,4-Trimethylbenzene	ug/kg	50.00	41.10	82	
1,3,5-Trimethylbenzene	ug/kg	50.00	41.27	82	
Vinyl acetate	ug/kg	100.00	123.2	123	
Vinyl chloride	ug/kg	50.00	40.25	80	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

### LABORATORY CONTROL SAMPLE: 928708874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
m&p-Xylene	ug/kg	100.00	84.42	84	
o-Xylene	ug/kg	50.00	41.82	84	
Toluene-d8 (S)				99	
4-Bromofluorobenzene (S)				101	
Dibromofluoromethane (S)				105	
1,2-Dichloroethane-d4 (S)				121	

### MATRIX SPIKE: 928711381

Parameter	Units	928703784 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Benzene	ug/kg	0	50.88	40.46	80	
Chlorobenzene	ug/kg	0	50.88	38.26	75	
1,1-Dichloroethene	ug/kg	0	50.88	40.41	79	
Toluene	ug/kg	0	50.88	40.52	80	
Trichloroethene	ug/kg	0	50.88	41.04	81	
Toluene-d8 (S)					106	
4-Bromofluorobenzene (S)					100	
Dibromofluoromethane (S)					106	
1,2-Dichloroethane-d4 (S)					111	

### SAMPLE DUPLICATE: 928711399

Parameter	Units	928684638 Result	DUP Result	RPD	Footnotes
Acetone	ug/kg	ND	ND	NC	
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
2-Butanone (MEK)	ug/kg	ND	ND	NC	
n-Butylbenzene	ug/kg	ND	ND	NC	
sec-Butylbenzene	ug/kg	ND	ND	NC	

Date: 08/08/07

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928711399

Parameter	Units	928684638	DUP	RPD	Footnotes
		Result	Result		
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	ND	ND	NC	
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	
cis-1,2-Dichloroethene	ug/kg	ND	ND	NC	
trans-1,2-Dichloroethene	ug/kg	ND	ND	NC	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
cis-1,3-Dichloropropene	ug/kg	ND	ND	NC	
trans-1,3-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
2-Hexanone	ug/kg	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	ND	ND	NC	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND	NC	
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928711399

Parameter	Units	928684638	DUP	RPD	Footnotes
		Result	Result		
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	ND	ND	NC	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	ND	NC	
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/kg	ND	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl acetate	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	100	104		
4-Bromofluorobenzene (S)	%	89	117		
Dibromofluoromethane (S)	%	105	109		
1,2-Dichloroethane-d4 (S)	%	126	71		

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195682	Analysis Method: EPA 7471
QC Batch Method: EPA 7471	Analysis Description: Mercury, CVAAS, in Soil
Associated Lab Samples: 928684638	928684646

METHOD BLANK: 928698992  
Associated Lab Samples: 928684638 928684646

<u>Parameter</u>	<u>Units</u>	<u>Blank Result</u>	<u>Reporting Limit</u>	<u>Footnotes</u>
Mercury	mg/kg	ND	0.0050	

LABORATORY CONTROL SAMPLE: 928699008

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
Mercury	mg/kg	0.0667	0.0717	108	

MATRIX SPIKE: 928699016

<u>Parameter</u>	<u>Units</u>	<u>928679430 Result</u>	<u>Spike Conc.</u>	<u>MS Result</u>	<u>MS % Rec</u>	<u>Footnotes</u>
Mercury	mg/kg	0	0.0752	0.0830	110	

SAMPLE DUPLICATE: 928699024

<u>Parameter</u>	<u>Units</u>	<u>928679513 Result</u>	<u>DUP Result</u>	<u>RPD</u>	<u>Footnotes</u>
Mercury	mg/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195840  
QC Batch Method: EPA 7470  
Associated Lab Samples: 928684653

Analysis Method: EPA 7470  
Analysis Description: Mercury, CVAAS, in Water

METHOD BLANK: 928702877  
Associated Lab Samples: 928684653

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	ug/l	ND	0.20	

LABORATORY CONTROL SAMPLE: 928702885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	ug/l	2.500	2.500	100	

MATRIX SPIKE: 928702893

Parameter	Units	928675420 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Mercury	ug/l	2.500	2.500	4.120	65	4

SAMPLE DUPLICATE: 928702901

Parameter	Units	928680289 Result	DUP Result	RPD	Footnotes
Mercury	ug/l	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195452  
QC Batch Method: EPA 3050  
Associated Lab Samples: 928684638

Analysis Method: EPA 6010  
Analysis Description: Metals, Trace ICP

METHOD BLANK: 928686930  
Associated Lab Samples: 928684638

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Aluminum	mg/kg	ND	10.	
Antimony	mg/kg	ND	0.50	
Arsenic	mg/kg	ND	0.50	
Barium	mg/kg	ND	0.50	
Beryllium	mg/kg	ND	0.10	
Cadmium	mg/kg	ND	0.10	
Calcium	mg/kg	ND	10.	
Chromium	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.50	
Copper	mg/kg	ND	0.50	
Iron	mg/kg	ND	5.0	
Lead	mg/kg	ND	0.50	
Magnesium	mg/kg	ND	10.	
Manganese	mg/kg	ND	0.50	
Molybdenum	mg/kg	ND	0.50	
Nickel	mg/kg	ND	0.50	
Potassium	mg/kg	ND	100	
Selenium	mg/kg	ND	1.0	
Silicon	mg/kg	ND	10.	
Silver	mg/kg	ND	0.50	
Sodium	mg/kg	ND	100	
Strontium	mg/kg	ND	0.50	
Thallium	mg/kg	ND	1.0	
Tin	mg/kg	ND	0.50	
Titanium	mg/kg	ND	0.50	
Vanadium	mg/kg	ND	0.50	
Zinc	mg/kg	ND	1.0	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928686948

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aluminum	mg/kg	500.00	500.4	100	
Antimony	mg/kg	50.00	52.30	105	
Arsenic	mg/kg	50.00	53.20	106	
Barium	mg/kg	50.00	50.60	101	
Beryllium	mg/kg	50.00	51.70	103	
Boron	mg/kg	50.00	54.40	109	
Cadmium	mg/kg	50.00	53.10	106	
Calcium	mg/kg	500.00	531.5	106	
Chromium	mg/kg	50.00	53.40	107	
Cobalt	mg/kg	50.00	51.70	103	
Copper	mg/kg	50.00	51.00	102	
Iron	mg/kg	500.00	526.1	105	
Lead	mg/kg	50.00	52.60	105	
Magnesium	mg/kg	500.00	518.3	104	
Manganese	mg/kg	50.00	52.60	105	
Molybdenum	mg/kg	50.00	51.30	103	
Nickel	mg/kg	50.00	53.30	107	
Potassium	mg/kg	500.00	508.7	102	
Selenium	mg/kg	50.00	52.80	106	
Silicon	mg/kg	250.00	253.3	101	
Silver	mg/kg	25.00	25.20	101	
Sodium	mg/kg	500.00	516.9	103	
Strontium	mg/kg	50.00	51.60	103	
Thallium	mg/kg	50.00	47.70	95	
Tin	mg/kg	50.00	55.50	111	
Titanium	mg/kg	50.00	51.60	103	
Vanadium	mg/kg	50.00	51.60	103	
Zinc	mg/kg	50.00	52.60	105	

MATRIX SPIKE: 928686955

Parameter	Units	928673847	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Aluminum	mg/kg	9362	611.10	13240	634	4
Antimony	mg/kg	0.4180	61.11	50.84	82	
Arsenic	mg/kg	1.943	61.11	55.85	88	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

### MATRIX SPIKE: 928686955

Parameter	Units	928673847	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Barium	mg/kg	62.09	61.11	110.2	79	
Beryllium	mg/kg	0	61.11	55.73	91	
Boron	mg/kg	2.958	61.11	50.72	78	
Cadmium	mg/kg	0.6478	61.11	55.24	89	
Calcium	mg/kg	1084	611.10	1539	74	4
Chromium	mg/kg	33.49	61.11	89.10	91	
Cobalt	mg/kg	7.089	61.11	56.95	82	
Copper	mg/kg	24.32	61.11	80.18	91	
Iron	mg/kg	15750	611.10	15030	0	4
Lead	mg/kg	16.87	61.11	67.47	83	
Magnesium	mg/kg	1411	611.10	1919	83	
Manganese	mg/kg	531.7	61.11	433.4	0	4
Molybdenum	mg/kg	3.178	61.11	53.29	82	
Nickel	mg/kg	6.307	61.11	60.99	90	
Potassium	mg/kg	866.0	611.10	1556	113	
Selenium	mg/kg	0	61.11	50.23	82	
Silicon	mg/kg	1168	305.50	1353	60	4
Silver	mg/kg	0	30.55	26.03	85	
Sodium	mg/kg	273.6	611.10	949.6	111	
Strontium	mg/kg	13.20	61.11	63.92	83	
Thallium	mg/kg	2.359	61.11	48.40	75	
Tin	mg/kg	3.960	61.11	57.44	88	
Titanium	mg/kg	238.9	61.11	290.3	84	
Vanadium	mg/kg	55.98	61.11	106.3	82	
Zinc	mg/kg	17.97	61.11	75.90	95	

### SAMPLE DUPLICATE: 928686963

Parameter	Units	928673854	DUP	RPD	Footnotes
		Result	Result		
Aluminum	mg/kg	21000	20000	7	
Antimony	mg/kg	1.400	1.200	15	
Arsenic	mg/kg	1.700	1.400	19	
Barium	mg/kg	94.00	83.00	13	
Beryllium	mg/kg	ND	ND	NC	
Boron	mg/kg	ND	ND	NC	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928686963

Parameter	Units	928673854	DUP	RPD	Footnotes
		Result	Result		
Cadmium	mg/kg	2.200	1.800	16	
Calcium	mg/kg	2000	1900	8	
Chromium	mg/kg	78.00	66.00	17	
Cobalt	mg/kg	5.000	3.200	45	
Copper	mg/kg	51.00	45.00	13	
Iron	mg/kg	26000	25000	4	
Lead	mg/kg	26.00	23.00	13	
Magnesium	mg/kg	3700	2900	25	5
Manganese	mg/kg	420.0	380.0	9	
Molybdenum	mg/kg	ND	ND	NC	
Nickel	mg/kg	13.00	10.00	20	
Potassium	mg/kg	2100	1700	24	5
Selenium	mg/kg	ND	ND	NC	
Silicon	mg/kg	1500	1500	4	
Silver	mg/kg	ND	ND	NC	
Sodium	mg/kg	ND	ND	NC	
Strontium	mg/kg	16.00	14.00	10	
Thallium	mg/kg	3.800	3.200	16	
Tin	mg/kg	3.900	3.800	3	
Titanium	mg/kg	670.0	590.0	13	
Vanadium	mg/kg	130.0	120.0	3	
Zinc	mg/kg	120.0	90.00	31	5

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195634      Analysis Method: EPA 6010  
QC Batch Method: EPA 3010      Analysis Description: Metals by Trace ICP  
Associated Lab Samples:      928684653

METHOD BLANK: 928698406  
Associated Lab Samples:      928684653

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Aluminum	ug/l	ND	100	
Antimony	ug/l	ND	5.0	
Arsenic	ug/l	ND	5.0	
Barium	ug/l	ND	5.0	
Beryllium	ug/l	ND	1.0	
Boron	ug/l	ND	10.	
Cadmium	ug/l	ND	1.0	
Calcium	ug/l	ND	100	
Chromium	ug/l	ND	5.0	
Cobalt	ug/l	ND	5.0	
Copper	ug/l	ND	2.0	
Iron	ug/l	ND	50.	
Lead	ug/l	ND	5.0	
Magnesium	ug/l	ND	100	
Manganese	ug/l	ND	5.0	
Molybdenum	ug/l	ND	5.0	
Nickel	ug/l	ND	5.0	
Potassium	ug/l	ND	1000	
Selenium	ug/l	ND	10.	
Silicon	ug/l	ND	100	
Silver	ug/l	ND	5.0	
Sodium	ug/l	ND	1000	
Strontium	ug/l	ND	5.0	
Thallium	ug/l	ND	10.	
Tin	ug/l	ND	5.0	
Titanium	ug/l	ND	5.0	
Total Hardness	ug/l	ND	2000	
Vanadium	ug/l	ND	5.0	
Zinc	ug/l	ND	10.	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928698414

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aluminum	ug/l	5000.00	5469	109	
Antimony	ug/l	500.00	550.0	110	
Arsenic	ug/l	500.00	550.0	110	
Barium	ug/l	500.00	531.0	106	
Beryllium	ug/l	500.00	534.0	107	
Boron	ug/l	500.00	561.0	112	
Cadmium	ug/l	500.00	549.0	110	
Calcium	ug/l	5000.00	4430	89	
Chromium	ug/l	500.00	556.0	111	
Cobalt	ug/l	500.00	540.0	108	
Copper	ug/l	500.00	554.0	111	
Iron	ug/l	5000.00	5496	110	
Lead	ug/l	500.00	551.0	110	
Magnesium	ug/l	5000.00	5519	110	
Manganese	ug/l	500.00	553.0	111	
Molybdenum	ug/l	500.00	552.0	110	
Nickel	ug/l	500.00	543.0	109	
Potassium	ug/l	5000.00	5019	100	
Selenium	ug/l	500.00	539.0	108	
Silicon	ug/l	2500.00	2708	108	
Silver	ug/l	250.00	272.0	109	
Sodium	ug/l	5000.00	5432	109	
Strontium	ug/l	500.00	552.0	110	
Thallium	ug/l	500.00	511.0	102	
Tin	ug/l	500.00	565.0	113	
Titanium	ug/l	500.00	559.0	112	
Total Hardness	ug/l	33080	33790	102	
Vanadium	ug/l	500.00	560.0	112	
Zinc	ug/l	500.00	548.0	110	

MATRIX SPIKE: 928698422

Parameter	Units	928679760	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Aluminum	ug/l	166.0	5000.00	5369	104	
Antimony	ug/l	0	500.00	514.0	103	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

### MATRIX SPIKE: 928698422

Parameter	Units	928679760	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Arsenic	ug/l	0.8850	500.00	520.0	104	
Barium	ug/l	103.0	500.00	595.0	98	
Beryllium	ug/l	0.2340	500.00	514.0	103	
Boron	ug/l	21.10	500.00	579.0	112	
Cadmium	ug/l	0	500.00	504.0	101	
Calcium	ug/l	17720	5000.00	21580	77	4
Chromium	ug/l	4.070	500.00	518.0	103	
Cobalt	ug/l	0.8960	500.00	493.0	98	
Copper	ug/l	4.700	500.00	526.0	104	
Iron	ug/l	7426	5000.00	12240	96	
Lead	ug/l	0	500.00	504.0	101	
Magnesium	ug/l	4313	5000.00	9495	104	
Manganese	ug/l	2870	500.00	3297	85	
Molybdenum	ug/l	5.860	500.00	520.0	103	
Nickel	ug/l	4.340	500.00	499.0	99	
Potassium	ug/l	2371	5000.00	8124	115	
Selenium	ug/l	8.000	500.00	526.0	104	
Silicon	ug/l	22330	2500.00	24380	82	
Silver	ug/l	0.2900	250.00	256.0	102	
Sodium	ug/l	10920	5000.00	15860	99	
Strontium	ug/l	543.0	500.00	1055	102	
Thallium	ug/l	31.50	500.00	478.0	89	
Tin	ug/l	5.340	500.00	547.0	108	
Titanium	ug/l	11.60	500.00	533.0	104	
Total Hardness	ug/l	62010	33080	92990	94	
Vanadium	ug/l	1.190	500.00	523.0	104	
Zinc	ug/l	42.10	500.00	547.0	101	

### SAMPLE DUPLICATE: 928698430

Parameter	Units	928679778	DUP	RPD	Footnotes
		Result	Result		
Aluminum	ug/l	100.0	ND	NC	
Antimony	ug/l	ND	ND	NC	
Arsenic	ug/l	ND	ND	NC	
Barium	ug/l	120.0	120.0	0	

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928698430

Parameter	Units	928679778	DUP	RPD	Footnotes
		Result	Result		
Beryllium	ug/l	ND	ND	NC	
Boron	ug/l	21.00	16.00	27	5
Cadmium	ug/l	ND	ND	NC	
Calcium	ug/l	10000	10000	2	
Chromium	ug/l	ND	ND	NC	
Cobalt	ug/l	ND	ND	NC	
Copper	ug/l	2.400	2.300	4	
Iron	ug/l	160.0	160.0	3	
Lead	ug/l	ND	ND	NC	
Magnesium	ug/l	3400	3500	2	
Manganese	ug/l	3100	3100	0	
Molybdenum	ug/l	ND	ND	NC	
Nickel	ug/l	ND	ND	NC	
Potassium	ug/l	1500	1500	0	
Selenium	ug/l	ND	ND	NC	
Silicon	ug/l	12000	12000	1	
Silver	ug/l	ND	ND	NC	
Sodium	ug/l	7500	7400	1	
Strontium	ug/l	320.0	320.0	1	
Thallium	ug/l	18.00	ND	NC	
Tin	ug/l	ND	ND	NC	
Titanium	ug/l	ND	ND	NC	
Total Hardness	ug/l	40000	40000	1	
Vanadium	ug/l	ND	ND	NC	
Zinc	ug/l	31.00	32.00	3	

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195704  
QC Batch Method: EPA 3050  
Associated Lab Samples: 928684646

Analysis Method: EPA 6010  
Analysis Description: Metals, Trace ICP

METHOD BLANK: 928699610  
Associated Lab Samples: 928684646

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Aluminum	mg/kg	ND	10.	
Antimony	mg/kg	ND	0.50	
Arsenic	mg/kg	ND	0.50	
Barium	mg/kg	ND	0.50	
Beryllium	mg/kg	ND	0.10	
Boron	mg/kg	ND	1.0	
Cadmium	mg/kg	ND	0.10	
Calcium	mg/kg	ND	10.	
Chromium	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.50	
Copper	mg/kg	ND	0.50	
Iron	mg/kg	ND	5.0	
Lead	mg/kg	ND	0.50	
Magnesium	mg/kg	ND	10.	
Manganese	mg/kg	ND	0.50	
Molybdenum	mg/kg	ND	0.50	
Nickel	mg/kg	ND	0.50	
Potassium	mg/kg	ND	100	
Selenium	mg/kg	ND	1.0	
Silicon	mg/kg	ND	10.	
Silver	mg/kg	ND	0.50	
Sodium	mg/kg	ND	100	
Strontium	mg/kg	ND	0.50	
Thallium	mg/kg	ND	1.0	
Tin	mg/kg	ND	0.50	
Titanium	mg/kg	ND	0.50	
Vanadium	mg/kg	ND	0.50	
Zinc	mg/kg	ND	1.0	

Date: 08/08/07

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

LABORATORY CONTROL SAMPLE: 928699628

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aluminum	mg/kg	500.00	495.0	99	
Antimony	mg/kg	50.00	52.20	104	
Arsenic	mg/kg	50.00	52.70	105	
Barium	mg/kg	50.00	49.80	100	
Beryllium	mg/kg	50.00	52.00	104	
Boron	mg/kg	50.00	50.30	101	
Cadmium	mg/kg	50.00	52.60	105	
Calcium	mg/kg	500.00	509.5	102	
Chromium	mg/kg	50.00	52.90	106	
Cobalt	mg/kg	50.00	51.90	104	
Copper	mg/kg	50.00	50.50	101	
Iron	mg/kg	500.00	519.3	104	
Lead	mg/kg	50.00	52.40	105	
Magnesium	mg/kg	500.00	503.4	101	
Manganese	mg/kg	50.00	52.50	105	
Molybdenum	mg/kg	50.00	51.40	103	
Nickel	mg/kg	50.00	52.70	105	
Potassium	mg/kg	500.00	487.9	98	
Selenium	mg/kg	50.00	52.00	104	
Silicon	mg/kg	250.00	250.2	100	
Silver	mg/kg	25.00	25.60	102	
Sodium	mg/kg	500.00	499.2	100	
Strontium	mg/kg	50.00	51.50	103	
Thallium	mg/kg	50.00	50.40	101	
Tin	mg/kg	50.00	54.60	109	
Titanium	mg/kg	50.00	51.90	104	
Vanadium	mg/kg	50.00	51.40	103	
Zinc	mg/kg	50.00	52.60	105	

MATRIX SPIKE: 928699636

Parameter	Units	928684646	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Aluminum	mg/kg	3024	515.30	3334	60	6
Antimony	mg/kg	1.392	51.53	48.54	92	
Arsenic	mg/kg	12.25	51.53	63.79	100	

Date: 08/08/07

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

### MATRIX SPIKE: 928699636

Parameter	Units	928684646	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Barium	mg/kg	6.815	51.53	45.24	75	
Beryllium	mg/kg	0.1989	51.53	41.84	81	
Boron	mg/kg	12.25	51.53	58.74	90	
Cadmium	mg/kg	1.078	51.53	39.57	75	
Calcium	mg/kg	287900	515.30	202700	0	6
Chromium	mg/kg	53.50	51.53	91.92	75	
Cobalt	mg/kg	0.4711	51.53	36.69	70	4
Copper	mg/kg	5.308	51.53	50.08	87	
Iron	mg/kg	3365	515.30	3775	80	
Lead	mg/kg	0.7831	51.53	38.44	73	4
Magnesium	mg/kg	2389	515.30	2705	61	6
Manganese	mg/kg	91.81	51.53	131.7	77	
Molybdenum	mg/kg	9.485	51.53	49.98	79	
Nickel	mg/kg	19.79	51.53	56.68	72	4
Potassium	mg/kg	1429	515.30	2412	191	6
Selenium	mg/kg	4.962	51.53	53.48	94	
Silicon	mg/kg	2588	257.60	3727	442	6
Silver	mg/kg	0.1131	25.76	24.01	93	
Sodium	mg/kg	2486	515.30	3351	168	6
Strontium	mg/kg	491.8	51.53	540.9	95	
Thallium	mg/kg	1.040	51.53	34.11	64	4
Tin	mg/kg	1.916	51.53	41.84	78	
Titanium	mg/kg	74.54	51.53	117.2	83	
Vanadium	mg/kg	37.06	51.53	77.60	79	
Zinc	mg/kg	46.27	51.53	90.58	86	

### SAMPLE DUPLICATE: 928699644

Parameter	Units	928672054	DUP	RPD	Footnotes
		Result	Result		
Aluminum	mg/kg	17000	14000	20	
Antimony	mg/kg	ND	ND	NC	
Arsenic	mg/kg	ND	ND	NC	
Barium	mg/kg	350.0	270.0	26	5
Beryllium	mg/kg	ND	ND	NC	
Boron	mg/kg	ND	ND	NC	5

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

SAMPLE DUPLICATE: 928699644

Parameter	Units	928672054	DUP	RPD	Footnotes
		Result	Result		
Cadmium	mg/kg	ND	ND	NC	5
Calcium	mg/kg	8900	5900	40	5
Chromium	mg/kg	140.0	110.0	26	5
Cobalt	mg/kg	ND	ND	NC	5
Copper	mg/kg	240.0	180.0	29	5
Iron	mg/kg	24000	19000	25	5
Lead	mg/kg	53.00	51.00	3	
Magnesium	mg/kg	1800	1400	21	5
Manganese	mg/kg	190.0	150.0	25	5
Molybdenum	mg/kg	ND	ND	NC	5
Nickel	mg/kg	16.00	ND	NC	5
Potassium	mg/kg	ND	ND	NC	
Selenium	mg/kg	33.00	ND	NC	5
Silicon	mg/kg	14000	12000	17	
Silver	mg/kg	ND	ND	NC	5
Sodium	mg/kg	3000	2900	4	
Strontium	mg/kg	97.00	74.00	28	5
Thallium	mg/kg	ND	ND	NC	
Tin	mg/kg	110.0	96.00	17	
Titanium	mg/kg	580.0	520.0	11	
Vanadium	mg/kg	26.00	20.00	27	5
Zinc	mg/kg	630.0	470.0	29	5

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Asheville Certification IDs  
NC Wastewater 40  
NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

## REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs  
NC Wastewater 12  
NC Drinking Water 37706  
SC 99006  
FL NELAP E87627

## QUALITY CONTROL DATA

Lab Project Number: 92149645

Client Project ID: LENOTIA DRIVE 465-75011

QC Batch: 195543	Analysis Method: % Moisture
QC Batch Method:	Analysis Description: Percent Moisture
Associated Lab Samples: 928684638	928684646

SAMPLE DUPLICATE: 928691542

<u>Parameter</u>	<u>Units</u>	928687987 <u>Result</u>	DUP <u>Result</u>	<u>RPD</u>	<u>Footnotes</u>
Percent Moisture	%	19.10	17.20	10	

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Asheville Certification IDs  
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NC Drinking Water 37712  
SC Environmental 99030  
FL NELAP E87648

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Charlotte Certification IDs  
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SC 99006  
FL NELAP E87627

Lab Project Number: 92149645  
Client Project ID: LENOTIA DRIVE 465-75011

## QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)  
MS(D) Matrix Spike (Duplicate)  
DUP Sample Duplicate  
ND Not detected at or above adjusted reporting limit  
NC Not Calculable  
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit  
MDL Adjusted Method Detection Limit  
RPD Relative Percent Difference  
(S) Surrogate
- [1] Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of the two remaining acid surrogates.
- [2] The surrogate and/or spike recovery was outside acceptance limits.
- [3] RPD value was outside control limits, however both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- [4] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- [5] The calculated RPD was outside QC acceptance limits.
- [6] The spike recovery was outside acceptance limits for the MS and/or MSD due to an analyte concentration in the sample at four times greater than the spike concentration. The QC batch was accepted based upon LCS and/or LCSD recoveries within acceptance limits.

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NC Drinking Water 37712  
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NC Drinking Water 37706  
SC 99006  
FL NELAP E87627



**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	PSE, Inc	Report To:	Adam Smith	Attention:	KETIA Iwabara
Address:	499 DEANNA Ln Suite A Cambridge, IL 29472	Copy To:		Company Name:	PSE
Email To:	Adam.Smith@PSE-USA.COM	Purchase Order No.:		Address:	
Phone:	847-834-8200	Project Name:	LEWISTA DRIVE	Pace Quote Reference:	ASJ
Fax:	847-834-8290	Pace Project Manager:		Pace Profile #:	3490-6
Requested Due Date/AT:		Project Number:	465-75011	Site Location STATE:	IL
				REGULATORY AGENCY	
				<input type="checkbox"/> NPDES	<input checked="" type="checkbox"/> GROUND WATER
				<input type="checkbox"/> UST	<input type="checkbox"/> RCRA
				<input type="checkbox"/> OTHER	
				1068574	

[illegible]

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: <i>Adam Smith</i>	
SIGNATURE of SAMPLER: <i>[Signature]</i>	
DATE Signed (MM/DD/YY): <i>7/25/07</i>	
Temp in °C	
Received on Ice (Y/N)	
Custody Sealed Cooler (Y/N)	
Samples Intact (Y/N)	

## **APPENDIX 2**

### **Boring Logs**



# BORING LOG



PSI Project No.: **465-75011**


Client: <b>Lennar Homes</b>																
Project: <b>5242 Lenora Drive</b>																
Boring No: <b>B-1 (1 of 1)</b>					Total Depth <b>20</b> ft		Elevation:					Location: <b>5242 Lenora</b>				
Drilling Method: <b>Geoprobe</b>					Started: <b>7/24/07</b>			Completed: <b>7/24/07</b>			Driller: <b>Cypress Bay Drilling</b>					
Groundwater Table at Completion: <b>7.5 ft</b>					24 Hour Groundwater Depth:					Hole Collapse Depth						
Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (Feet)	N VALUE (bpf) %MC										N	#200 Sieve
			REC/RQD		PL	10	20	30	40	50	60	70	80	90		
-0.5	0.5	Topsoil 6 inches														
		Tan Silty Fine SAND (SM)														
-4.0	4.0	Dark Tan Silty Fine SAND (SM)														
-5.0	5.0	(Organic Content=3.2%) Tan and Reddish Tan Silty Fine SAND (SM)														
-6.0	6.0	Light Tan Fine SAND (SP)														
-12.0	12.0	Light Tan and Reddish Tan Fine to Medium SAND (SP)														
-13.0	13.0	Light Tan and Light Grey Fine to Medium SAND (SP)														
-17.0	17.0	Dark Grey Fine SAND with Shell Fragments (SP)														
-18.0	18.0	Dark Grey Silt with Shell Fragments "Cooper Marl" (ML)														
-20.0	20.0	Boring Terminated at 20 Feet Due to Refusal in Marl														

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.

# BORING LOG



PSI Project No.: **465-75011**

Client: <b>Lennar Homes</b>																					
Project: <b>5242 Lenora Drive</b>																					
Boring No: <b>B-2 ( 1 of 1)</b>					Total Depth <b>16</b> ft		Elevation:					Location: <b>5242 Lenora</b>									
Drilling Method: <b>Geoprobe</b>					Started: <b>7/24/07</b>			Completed: <b>7/24/07</b>			Driller: <b>Cypress Bay Drilling</b>										
Groundwater Table at Completion: <b>8 ft</b>					ft			24 Hour Groundwater Depth:					ft			Hole Collapse Depth				ft	
Elevation	Depth		DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (Feet)	N VALUE (bpf)										N	#200 Sieve				
				REC/RQD		PL	%MC	LL													
-0.5	0.5		Topsoil 6 inches																		
			Brown, Grey and Tan Fine SAND (SP)																		
-4.0	4.0		Dark Tan Silty Fine SAND (SM)																		
-5.0	5.0		(Organic Content=4.1%)																		
			Tan Sandy SILT (ML)																		
-6.0	6.0		Light Tan to Redddish Tan Silty Fine SAND (SM)																		
-8.0	8.0		Light Tan Fine to Medium SAND (SP)																		
-11.0	11.0		Dark Tan Silty SAND (SM)																		
-12.0	12.0		Light Tan Fine to Medium SAND (SP)																		
-14.0	14.0		Dark Tan Silty Fine SAND (SM)																		
			"Cooper Marl"																		
-16.0	16.0		Boring Terminated at 16 Feet Due to Refusal in Marl																		

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.

# BORING LOG



PSI Project No.: **465-75011**


Client: <b>Lennar Homes</b>																										
Project: <b>5242 Lenora Drive</b>																										
Boring No: <b>B-3</b>					<b>( 1 of 1 )</b>		Total Depth <b>16</b>		ft		Elevation:					Location: <b>5242 Lenora</b>										
Drilling Method: <b>Geoprobe</b>							Started: <b>7/24/07</b>					Completed: <b>7/24/07</b>					Driller: <b>Cypress Bay Drilling</b>									
Groundwater Table at Completion: <b>7.5 ft</b>							ft		24 Hour Groundwater Depth:							ft		Hole Collapse Depth							ft	
Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)					* Sample Blows	Sample Depth (Feet)	N VALUE (bpf)										N	#200 Sieve						
							REC/RQD		PL	%MC						LL										
-0.5	0.5	Topsoil 6 inches																								
		Dark Tan Silty Fine SAND (SM)																								
-2.0	2.0	Tan Silty Fine SAND (SM)																								
-4.0	4.0	Grey and Tan Clayey Fine SAND (SC)																								
-5.0	5.0	(Organic Content=4.9%) Tan Silty Fine SAND (SP)																								
-8.0	8.0	Light Tan Fine to Medium SAND (SP)																								
-11.0	11.0	Dark Tan and Grey Fine SAND with Silt (SP-SM)																								
-12.0	12.0	Light Tan to Light Grey Fine to Medium SAND																								
-15.0	15.0	Light Tan Silty Fine SAND (SM)																								
-16.0	16.0	"Cooper Marl"																								
		Boring Terminated at 16 Feet Due to Refusal in Marl																								

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.

# BORING LOG



PSI Project No.: **465-75011**

Client: <b>Lennar Homes</b>																						
Project: <b>5242 Lenora Drive</b>																						
Boring No: <b>B-4</b>		<b>( 1 of 1)</b>		Total Depth <b>12</b>		ft		Elevation:				Location: <b>5242 Lenora</b>										
Drilling Method: <b>Geoprobe</b>						Started: <b>7/24/07</b>				Completed: <b>7/24/07</b>				Driller: <b>Cypress Bay Drilling</b>								
Groundwater Table at Completion: <b>7.5 ft</b>						ft		24 Hour Groundwater Depth:						ft		Hole Collapse Depth					ft	
Elevation	Depth		DESCRIPTION OF MATERIALS (Classification)	* Sample Blows	Sample Depth (Feet)	N VALUE (bpf)										N	#200 Sieve					
				REC/RQD		PL	N VALUE (bpf)					%MC										
						10	20	30	40	50	60	70	80	90								
-0.5	0.5		Topsoil 6 Inches																			
-1.0	1.0		Tan Silty Fine SAND (SM)																			
-2.0	2.0		Dark Tan Silty Fine SAND with Heavy Organics (SM) (Organic Content=13.7%)																			
			Tan and Reddish Tan Silty Fine SAND with Clay (SM)																			
-4.0	4.0		Tan Silty Fine SAND (SM)																			
-6.0	6.0		Black and Dark Tan Silty Fine SAND (SM)																			
-7.0	7.0		Dark Tan Silty Fine SAND with Heavy Organics (SM) (Organic Content=17.9%)																			
-8.0	8.0		Dark Tan Silty Fine SAND (SM)																			
-10.0	10.0		Dark Tan Silty Fine SAND (SM)																			
-11.0	11.0		Light tan Fine SAND (SP)																			
-12.0	12.0		Boring Terminated at 12 Feet																			

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.

# BORING LOG



PSI Project No.: **465-75011**

Client: <b>Lennar Homes</b>																									
Project: <b>5242 Lenora Drive</b>																									
Boring No: <b>B-5</b>		<b>( 1 of 1 )</b>		Total Depth <b>16</b>		ft		Elevation:				Location: <b>5242 Lenora</b>													
Drilling Method: <b>Geoprobe</b>						Started: <b>7/24/07</b>				Completed: <b>7/24/07</b>				Driller: <b>Cypress Bay Drilling</b>											
Groundwater Table at Completion: <b>7.5 ft</b>						ft		24 Hour Groundwater Depth:						ft		Hole Collapse Depth								ft	
Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)				* Sample Blows	Sample Depth (Feet)	N VALUE (bpf)										N	#200 Sieve						
						PL		%MC	LL																
						REC/RQD		10	20	30	40	50	60	70	80	90									
-0.5	0.5	Topsoil 6 Inches																							
		Grey Silty Fine SAND (SP)																							
-2.0	2.0	Light Tan and Reddish Tan Silty Fine SAND (SM)																							
-4.0	4.0	Dark Tan Silty Fine SAND (SM)																							
-5.0	5.0	(Organic Content=4.5%)																							
		Dark Tan Silty Fine SAND (SM)																							
-8.0	8.0	Light Tan and Light Grey Fine SAND (SP)																							
-12.0	12.0	Light Tan to Reddish Tan Fine to Coarse SAND (SW)																							
-16.0	16.0	Boring Terminated at 16 Feet																							

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.

# BORING LOG



PSI Project No.: **465-75011**

Client: <b>Lennar Homes</b>																			
Project: <b>5242 Lenora Drive</b>																			
Boring No: <b>B-6</b>			( <b>1 of 1</b> )		Total Depth <b>12</b>		ft		Elevation:				Location: <b>5242 Lenora</b>						
Drilling Method: <b>Geoprobe</b>					Started: <b>7/24/07</b>				Completed: <b>7/24/07</b>				Driller: <b>Cypress Bay Drilling</b>						
Groundwater Table at Completion: <b>7.5 ft</b>					ft		24 Hour Groundwater Depth:					ft		Hole Collapse Depth				ft	
Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)			* Sample Blows	Sample Depth (Feet)	N VALUE (bpf)										N	#200 Sieve	
					PL		%MC	LL	10	20	30	40	50	60	70	80			90
-0.5	0.5	Topsoil 6 Inches				1.0													
-1.0	1.0	Dark Tan Silty Fine SAND (SM)																	
		Dark Tan to Reddish Tan Silty Fine SAND (SM)																	
-2.0	2.0	(Organic Content=2.4%)																	
		Reddish Tan Silty Fine SAND (SM)																	
-4.0	4.0	Dark Tan Silty Fine SAND (SM)																	
-6.0	6.0	Reddish Tan to Light Tan Silty Fine SAND (SM)																	
-8.0	8.0	Light Tan Silty Fine SAND (SP)																	
-11.0	11.0	Medium Grey Fine SAND with Pebbles (SP)																	
-12.0	12.0	Boring Terminated at 12 Feet																	


\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.



# BORING LOG



PSI Project No.: **465-75011**

Client: <b>Lennar Homes</b>																			
Project: <b>5242 Lenora Drive</b>																			
Boring No: <b>B-7</b>		<b>( 1 of 1 )</b>		Total Depth <b>12</b>		ft		Elevation:				Location: <b>5242 Lenora</b>							
Drilling Method: <b>Geoprobe</b>				Started: <b>7/24/07</b>				Completed: <b>7/24/07</b>				Driller: <b>Cypress Bay Drilling</b>							
Groundwater Table at Completion: <b>7.5 ft</b>				ft		24 Hour Groundwater Depth:				ft		Hole Collapse Depth						ft	
Elevation	Depth		DESCRIPTION OF MATERIALS (Classification)		* Sample Blows	Sample Depth (Feet)	N VALUE (bpf) %MC										N	#200 Sieve	
					REC/RQD		PL	10	20	30	40	50	60	70	80	90			
-0.5	0.5		Topsoil 6 Inches																
			Grey, Tan and Reddish Tan Silty Fine SAND (SM)																
-4.0	4.0		Dark Tan Silty Fine SAND (SM) (Organic Content=4.6%)																
-5.0	5.0		Tan Silty Fine SAND (SM)																
-8.0	8.0		Grey Clayey Fine SAND (SC)																
-9.0	9.0		Light Tan Fine to Medium SAND (SP)																
			</																

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.

# BORING LOG



PSI Project No.: **465-75011**

Client: <b>Lennar Homes</b>																					
Project: <b>5242 Lenora Drive</b>																					
Boring No: <b>B-8</b>		<b>( 1 of 1 )</b>		Total Depth <b>12</b> ft		Elevation:				Location: <b>5242 Lenora</b>											
Drilling Method: <b>Geoprobe</b>						Started: <b>7/24/07</b>				Completed: <b>7/24/07</b>				Driller: <b>Cypress Bay Drilling</b>							
Groundwater Table at Completion: <b>7.5 ft</b>						24 Hour Groundwater Depth:				ft				Hole Collapse Depth				ft			
Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)				* Sample Blows	Sample Depth (Feet)	N VALUE (bpf)										N	#200 Sieve		
						REC/RQD		PL	%MC												
-0.5	0.5	TopSoil 6 Inches																			
-1.0	1.0	Dark Grey Silty Fine SAND (SM)																			
-2.0	2.0	Dark Grey Silty Fine SAND with Heavy Organics (SM) (Organic Content=12.8%)																			
		Grey and Reddish Tan Silty Fine SAND with Clay (SM)																			
-4.0	4.0	Grey Clayey Fine SAND (SC)																			
-5.0	5.0	Dark Tan Silty Fine SAND (SM) (Organic Content=3.0%)																			
-6.0	6.0	Dark Tan Silty Fine SAND (SM)																			
-8.0	8.0	Dark Grey Silty Fine SAND (SM) (Organic Conetent=2.8%)																			
-9.0	9.0	Light Tan Fine SAND (SP)																			

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.

# BORING LOG



PSI Project No.: **465-75011**









Client: <b>Lennar Homes</b>																									
Project: <b>5242 Lenora Drive</b>																									
Boring No: <b>B-9</b>		<b>( 1 of 1)</b>		Total Depth <b>12</b>		ft		Elevation:				Location: <b>5242 Lenora</b>													
Drilling Method: <b>Geoprobe</b>						Started: <b>7/24/07</b>				Completed: <b>7/24/07</b>				Driller: <b>Cypress Bay Drilling</b>											
Groundwater Table at Completion: <b>7.5 ft</b>						ft		24 Hour Groundwater Depth:						ft		Hole Collapse Depth								ft	
Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)				* Sample Blows	Sample Depth (Feet)	N VALUE (bpf) %MC										N	#200 Sieve						
						REC/RQD		PL	10	20	30	40	50	60	70	80	90								
-0.5	0.5	Topsoil 6 Inches																							
-1.0	1.0	Light Tan SAND (SP)																							
		Dark Tan Fine SAND with Some Organics (SP) (Organic Content=5.2%)																							
-2.0	2.0	Light Tan Fine SAND (SP)																							
-5.0	5.0	Dark Tan Fine to Medium SAND with Clay (SP-SC)																							
-8.0	8.0	Dark Tan Clayey Fine SAND (SC)																							
-9.0	9.0	Light Tan Fine to Medium SAND (SP)																							
-12.0	12.0	Boring Terminated at 12 Feet																							

\*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the last two increments of a penetration is termed the standard penetration resistance, N.


# KEY TO SYMBOLS

Symbol    Description

Strata symbols

	Topsoil
	Silty sand
	Poorly graded sand
	Silt
	Clayey sand
	Poorly graded sand with silt
	Well graded sand
	Poorly graded sand with clay

Misc. Symbols

	Water table during drilling
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# REPORT OF GEOPROBE/HAND-AUGER BORING/SOIL SAMPLING

TESTED FOR: Lennar

PROJECT: 5242 Lenora Dr  
North Charleston, SC

DATE: 7/24/2007

REPORT NO.: 465-75011

TECHNICIAN: Diego Ramos, Daniel Cizek, Tice Welborn

Location	Depth	Description
B-10	0 to 0.5	Topsoil
	0.5 to 1.5	Tan Fine SAND
	1.5 to 3.5	Dark Tan and Grey Fine SAND (Organic Content=3.6%)
	3.5 to 4	Tan and Grey Clayey SAND
B-11	0 to 0.5	Topsoil
	0.5 to 1	Tan Fine SAND
	1 to 2	Dark Tan SAND
	2 to 3	Grey Clayey SAND
	3 to 4	Grey and Red Clayey SAND
B-12	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan SAND
	1 to 2	Grey and Tan SAND
	2 to 3	Red and Grey Clayey SAND
B-13	0 to 0.5	Topsoil
	0.5 to 1.5	Tan and Grey Clayey SAND)
	1.5 to 2	Tan and Grey Clayey SAND (Organic Content=3.4% )
	2 to 4	Tan and Grey Clayey SAND
B-14	0 to 0.5	Topsoil
	0.5 to 1	Red, Tan and Grey Sandy CLAY
	1 to 2	Red and Grey Sandy CLAY
	2 to 4	Tan and Grey Sandy CLAY
B-15	0 to 0.5	Topsoil
	0.5 to 4	Dark Tan SAND with Organics
B-16	0 to 0.5	Topsoil
	0.5 to 2	Dark Tan SAND with Organics
		Auger Refusal at 2'
B-17	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan Silty Fine SAND
	1 to 2	Dark Tan and Black Silty Fine SAND (Organic Content=3.6%)
	2 to 4	Dark Tan Grey Mottled Clayey Fine SAND
B-18	0 to 0.5	Topsoil
	0.5 to 1.5	Dark Tan Silty Fine SAND
	1.5 to 2	Dark Tan and Black Silty Fine SAND with Some Organics (Organic Content=5.4%)
	2 to 4	Dark Tan and Grey Mottled Clayey Fine SAND
B-19	0 to 0.5	Topsoil
	0.5 to 2.5	Dark Tan and Grey Silty Fine SAND
	2.5 to 4	Grey Silty Fine SAND



Location	Depth	Description
B-20	0 to 0.5	Topsoil
	0.5 to 3.5	Dark Tan and Black Silty Fine SAND with Organics (Organic Content=6.8%)
		Auger Refusal at 3.5
B-21	0 to 0.5	Topsoil
	0.5 to 2	Dark Tan Silty Fine SAND
	2 to 4	Grey and Tan Clayey Fine SAND
B-22	0 to 0.5	Topsoil
	0.5 to 4	Dark Tan and Black Silty Fine SAND with Organics (Organic Content=8.8%)
B-23	0 to 0.5	Topsoil
	0.5 to 4	Dark Tan and Black Silty Fine SAND with Heavy Organics (Organic Content=11.3%)
B-24	0 to 0.5	Topsoil
	0.5 to 2	Dark Tan and Black Silty Fine SAND (Organic Content=4.0%)
	2 to 4	Dark Tan Silty Fine SAND with Clay
B-25	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan Silty Fine Sand
	1 to 2	Dark Tan Silty Fine SAND with Clay
	2 to 4	Tan Silty CLAY
B-26	0 to 0.5	Topsoil
	0.5 to 3	Tan Silty Fine SAND
	3 to 4	Tan Clayey Fine SAND with Silt
B-27	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan Silty Fine SAND
	1 to 2	Tan Silty Fine SAND
	2 to 4	Tan Sandy CLAY with Silt
B-28	0 to 0.5	Topsoil
	0.5 to 2	Dark Tan Silty Fine SAND
	2 to 3	Dark Tan and Black Silty Fine SAND (Organic Content=4.5%)
	3 to 4	Dark Tan Silty SAND with Clay
B-29	0 to 0.5	Topsoil
	0.5 to 2	Dark Tan Silty Fine SAND
	2 to 4	Dark Tan and Tan Silty Fine SAND
B-30	0 to 0.5	Topsoil
	0.5 to 4	Dark Tan and Tan Silty Fine SAND
B-31	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan and Black Silty Fine SAND with Organics (Organic Content=6.8%)
	1 to 4	Tan Silty Fine SAND
B-32	0 to 0.5	Topsoil
	0.5 to 2	Dark Tan Silty Fine SAND
	2 to 3	Dark Tan and Black Silty Fine SAND (Organic Content=3.5%)
	3 to 4	Tan and Orange Sandy CLAY
B-33	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan Silty Fine SAND
	1 to 2	Tan and Black Silty Fine SAND (Organic Content 2.9%)
	2 to 3	Tan Clayey Fine SAND with Silt
	3 to 4	Tan Sandy CLAY with Silt

Location	Depth	Description
B-34	0 to 0.5	Topsoil
	0.5 to 2	Tan Silty Fine SAND
	2 to 3	Dark Tan Silty Fine SAND
	3 to 4	Tan and Orange Clayey SAND with Silt
B-35	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan Silty Fine SAND
	1 to 3	Tan and Red Silty Fine SAND
	3 to 4	Tan Sandy CLAY with Silt
B-36	0 to 0.5	Topsoil
	0.5 to 1.5	Tan Silty Fine SAND
	1.5 to 2	Tan and Black Silty Fine SAND with Some Organics (Organic Content=5.8%)
	2 to 4	Tan Clayey SAND with Silt
B-37	0 to 0.5	Topsoil
	0.5 to 1	Tan Silty Fine SAND
	1 to 2	Dark Tan and Black Silty Fine SAND with Organics (Organic Content=6.0%)
	2 to 4	Tan Silty Fine SAND
B-38	0 to 0.5	Topsoil
	0.5 to 4	Dark Tan and Black Silty Fine SAND with Organics (Organic Content=9.8%)
B-39	0 to 0.5	Topsoil
	0.5 to 2	Tan Silty Fine SAND
	2 to 3	Tan Silty CLAY with Sand
		Auger Refusal at 3'
B-40	0 to 0.5	Topsoil
	0.5 to 1	Tan and Orange Silty Fine Sand
	1 to 2	Dark Tan and Silty Fine SAND
	2 to 3	Dark Tan and Black Silty Fine SAND (Organic Content=2.2%)
	3 to 4	Tan Clayey SAND with Silt
B-41	0 to 0.5	Topsoil
	0.5 to 1	Tan Silty Fine SAND
	1 to 2	Tan Silty Fine SAND (Organic Content=3.7%)
	2 to 3	Tan Silty SAND with Clay
	3 to 4	Tan Silty CLAY with Sand
B-42	0 to 0.5	Topsoil
	0.5 to 1	Dark Tan Silty Fine SAND
	1 to 2	Dark Tan and Black Silty Fine SAND (Organic Content=3.7%)
	2 to 4	Dark Tan Silty Fine SAND with Clay