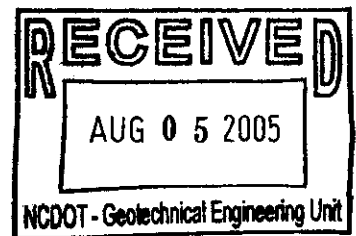


**Underground Storage Tank
Closure Report
NC DOT Multi-Modal Station
Orphan UST-3
DOT Parcel 5A
Southwest Intersection of
Trade and Graham Streets
Charlotte, North Carolina**

H&H Job No. ROW-131

**State Project P-3800
WBS # 32179**

July 29, 2005



Hart & Hickman, PC
2923 S. Tryon Street
Suite 100
Charlotte, NC 28203

704
586-0007 phone
586-0373 fax

UNDERGROUND STORAGE TANK CLOSURE REPORT

I. General Information

A. Ownership of UST(s)

1. Name of UST owner:

Unknown - Orphan UST on NC DOT property

2. Owner address and telephone number:

Property Owner: North Carolina Department of Transportation
716 West Main Street
Albemarle, North Carolina 28001

Note:

NC DOT Contact – Cyrus Parker (919-250-4088). Mailing Address for NC DOT contact person is 1589 Mail Service Center, Raleigh, NC 27699-1589 4401

B. Facility Information

1. Facility name:

NC DOT Multi-Modal Site (Parcel 5A). The site is located at southwest corner of South Graham Street and West Trade Street in Charlotte, NC. The subject site is currently owned by NC DOT and leased to Preferred Parking Services, Inc. as a pay-as-you-go parking lot serving downtown Charlotte.

2. Facility ID #:

NA. The UST was located just northeast of a former Servco Site with an address of 120 and 130 S. Graham St and may have been associated with this facility. No Facility ID# is assigned to the Servco site, however the site is listed under Incident Number 8097 and UST Number MO-3214.

3. Facility address, telephone number and county:

The UST was located near the southwestern corner of the intersection of Trade Street and Graham Street in Charlotte, North Carolina. NC DOT has designated this parcel as Parcel 5A and it is linked to the following address according to the Charlotte-Mecklenburg County GIS system:

511 West Trade Street
Charlotte, Mecklenburg County, North Carolina
Contact Phone Number (919) 250-4088 Attn: Mr. Cyrus Parker

C. Contacts

1. Name, address, telephone number and job title of primary contact person:

Mr. Cyrus Parker
GeoEnvironmental Project Manager
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

(919) 250-4088

2. *Name, address and telephone number of closure contractor:*

Soil Solutions, Inc.
1703 Vargrave Street
Winston-Salem, North Carolina 27107
(336) 725-5844

3. *Name, address and telephone number of primary consultant:*

Hart & Hickman, P.C.
2923 South Tryon Street, Suite 100
Charlotte, North Carolina 28203
(704) 586-0007

4. *Name, address, telephone number, and State certification number of laboratory:*

Pace Analytical Services, Inc.
9800 Kinsey Avenue, Suite 100
Huntersville, NC 28078
(704) 875-9092
North Carolina Certification 37706

D. UST Information

Tank No.	Installation Date	Size in Gallons	Tank Dimensions	Last Contents	Other Contents (if any)
3	Unknown	550 gallons	Diameter: 3' 7", length: 7' 10"	Suspected to be Heating Oil	None

*See attached Figure No. 2 for tank location.

Please note that two USTs (UST-1 and UST-2) were previously removed from the site on April 22, 2005. At that time evidence of the third UST was discovered during field activities. A fill port was noted and the third UST was located approximately 40 feet southwest of USTs 1 and 2. Due to access constraints and the presence of parked vehicles, the third UST could not be removed during the April 22, 2005 field activities. The UST removal of UST-1 and UST-2 were documented in a May 17, 2005 UST Closure Report.

E. Site Characteristics

1. *Describe any past releases at this site:*

None. However, the USTs were located adjacent to a former service station and auto sales facility, however it is not known if the USTs were part of that facility. Additionally, during removal of UST-1 and UST-2, 8.3 tons of impacted soil was

removed. Upon excavation of 8.3 tons of soil, confirmation soil samples were collected and analyzed for risk-based parameters. No analytes were detected above soil-to-ground water MSCCs in the risk-based samples with the exception of methylene chloride, a common laboratory contaminant. Therefore, no further action was recommended for UST-1 and UST-2.

2. *Is the facility active or inactive at this time?*

The facility is currently a pay as you go parking lot. The property is owned by NC DOT and leased to Preferred Parking. The orphan UST was located north of a cinder block wall near the access drive to the parking lot.

3. *Describe surrounding property use (for example, residential, commercial, farming, etc.):*

The site is located in downtown Charlotte. Land use in the site area is primarily commercial. The subject property is located near the southwest corner of South Graham Street and Trade Street in downtown Charlotte, Mecklenburg County, North Carolina. A site location map is included as Figure 1.

4. *Describe the site geology/hydrogeology:*

The subject property is located in the Piedmont Physiographic Province of North Carolina. According to the *Geologic Map of North Carolina* dated 1985, the subject property lies within the Charlotte Belt of the Piedmont. In the site area, underlying bedrock is composed of metamorphosed quartz diorite. The land surface of the area is generally characterized as gently sloping, which may become moderately steep where intersected by streams.

In the Piedmont, the bedrock is overlain by a mantle of weathered rock termed saprolite or residuum. The saprolite consists of unconsolidated clay, silt, and sand with lesser amounts of rock fragments. Due to the range of parent rock types and their variable susceptibility to weathering, the saprolite ranges widely in color, texture, and thickness. Generally, the saprolite is thickest near interstream divides and thins toward streambeds. In profile, the saprolite normally grades from clayey soils near the land surface to highly weathered rock above competent bedrock.

The occurrence and movement of ground water in the Piedmont is typically within two separate but interconnected water-bearing zones. A shallow water-bearing zone occurs within the saprolite, and a deeper water-bearing zone occurs within the underlying bedrock.

Ground water in the shallow saprolite zone occurs in the interstitial pore spaces between the grains comprising the saprolitic soils. Ground water in this zone is

typically under water table or unconfined conditions. Ground water movement is generally lateral from recharge areas to small streams that serve as localized discharge points.

The occurrence and movement of ground water in the underlying water-bearing zone within the crystalline bedrock is controlled by secondary joints, fractures, faults, and dikes within the bedrock. On a regional scale, the direction of ground water flow is typically from uplands to major streams and ground water sinks. The saprolite has a higher porosity than the bedrock and serves as a reservoir that supplies water to a network of fractures in the bedrock.

Visual observation of soils encountered during the excavation of the UST and during soil sample collection (maximum depth of observation of approximately 7 feet below ground surface) indicate that reddish brown silty clays and clayey silts are the predominant shallow soil type.

Based on topographic considerations, site ground water is generally expected to flow to the northwest toward Irwin Creek.

II. Closure Procedures

- A. *Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks:*

On April 20, 2005, H&H discussed the UST removals with Mr. Allen Schiff of the North Carolina Department of Environment and Natural Resources (DENR) Mooresville Regional Office. Mr. Schiff indicated that a Notice of Intent: UST Permanent Closure of Change in Service (UST-3) was not required since the UST was an orphan UST. Appendix A contains form UST-2.

The UST removal activities were conducted on June 16, 2005. Residual liquids within the UST were removed previously by Soil Solutions, Inc. (SSI) of Winston-Salem, North Carolina during the April 22, UST removal. Additional liquid removal was not required.

As required, the UST removal activities were coordinated with the Charlotte Fire Department and a UST removal permit was obtained for the site.

- B. *Note the amount of residual material pumped from the tank(s):*

Approximately 547 gallons of fluid were removed from UST-3 on April 22, 2005. Additionally, 12 gallons of residual liquids were removed from the UST-1 and 560 gallons from UST-2. A copy of the Certificate of Disposal for the residual liquids is included as Appendix B.

C. Describe the storage, sampling and disposal of the residual material:

The residual liquids were directly pumped to a vac truck and then transported and disposed by SSI at their facility located in Winston-Salem, NC. As indicated above, the Certificate of Disposal is included in Appendix B.

D. Excavation

1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:

H&H mobilized on site on June 16, 2005 to remove one orphan UST (UST-3). Prior to removal, the top of the UST was uncovered using a trackhoe, and the tank was purged of potentially combustible vapors using dry ice. After testing the tank with a combustible gas indicator to ensure that potentially combustible vapors had dissipated, the tank was removed from the ground.

The UST was located north of a cinder block wall along the northern boundary of the former Servco facility near the entryway to the parking lot (Figure 2). The fill port for the UST was located directly above the tanks. A 1/4-inch copper lines was noted, typical of heating oil USTs.

Upon removing overburden soils and exposing the UST, the tank was removed by excavating along the sides of the tank until the tank could be removed. The tank was removed from the basin with a trackhoe via a chain and lifting the tank out of the ground.

Following removal, the tanks were inspected. No holes were noted. SSI transported the USTs off-site for disposal at Atlantic Scrap and Processing in Winston-Salem, North Carolina. A copy of the tank disposal certificate for the UST is included as Appendix C.

Elevated OVA readings were noted below UST-3.

2. Note the depth of tank burial(s) (from land surface to top of tank):

The top of UST-3 was located approximately 12-inches below ground surface.

3. Quantity of soil removed:

A total of 8.23 tons of impacted soil was transported to Soil Solutions facility for treatment. The manifest and Certificate of Acceptance is attached in Appendix D.

4. Describe soil type(s):

Shallow soils encountered during removal of the UST were predominantly brown fine sandy silts and clays.

5. *Type and source of backfill used:*

The basin was backfilled with ABC stone obtained from a local quarry. The backfill was placed in lifts in the basin and compacted with the mechanical equipment to bring the basin to grade.

E. *Impacted Soil*

1. *Describe how it was determined what extent to excavate the soil:*

Soils shifted during the removal of the UST were screened with an OVA and observed for visual staining and odors. Indications of soil impacts were noted beneath UST-3. Excavation proceeded until no odors or elevated OVA readings were noted. Only a minor amount of soil was excavated and 8.23 tons of impacted soil were removed from the site, as indicated previously.

2. *Describe method of temporary storage, sampling and treatment/disposal of soil:*

Soil was loaded directly onto a dump truck for offsite transport and disposal.

III. Site Investigation

A. *Provide information of field screening and observations, include methods used to calibrate field screening instrument(s):*

During the UST removal activities, soils obtained during removal of the tank were screened in the field with an organic vapor analyzer with a photoionization detector (PID) for organic vapors. The PID was calibrated prior to its use against an isobutylene standard.

Field screening results of samples collected after tank removal indicated a limited volume of petroleum-impacted soil beneath UST-3.

B. *Describe soil sampling points and sampling procedures used:*

After removal of the UST, two UST closure samples were collected beneath UST-3 because its length was greater than six feet. These soil samples were collected at an approximate depth of 6 ft bgs. The approximate locations of the soil samples are indicated on Figure 3.

The UST closure samples were analyzed for gasoline-range and diesel-range TPH by EPA Methods 3550/5030/8015M using EPA Method 5035 preparation. Soil samples were collected from the approximate center of the trackhoe bucket.

C. *Quality control measures:*

Soil samples were analyzed by Pace Analytical Services Inc., a North Carolina certified laboratory. Laboratory-supplied sample bottles were used for sample collection. A chain-of-custody record was completed for samples collected and included sample description, date collected, time collected, matrix, sample container information, and analyses required. The chain-of-custody was signed by H&H prior to placement in an iced cooler for hand delivery to the laboratory.

Disposable sample gloves were changed between each sampling location and clean sample containers were used to collect the samples. Sampling equipment was decontaminated between sampling locations.

D. *Investigation Results:*

The results of the soil sample analyses are summarized in Table 1. The laboratory data sheets and the chain-of-custody records are included in Appendix E.

Two closure soil samples were collected directly beneath UST-3 and analyzed for TPH-GRO and TPH-DRO. Soil sample UST3-Base 1 contained 20,000 mg/kg of TPH-DRO and 29 mg/kg of TPH-GRO. Closure soil sample UST3-Base 2 did not contain detectable concentrations of TPH-GRO or TPH-DRO. Upon excavation of 8.23 tons of soil, confirmation soil samples were collected and analyzed for risk-based parameters. No analytes were detected above soil-to-ground water MSCCs in the risk-based samples. Therefore, no further action is recommended.

E. *Ground Water Sampling*

Ground water was not encountered during excavation activities and no ground water samples were collected during excavation activities.

IV. Conclusions

Include probable sources of contamination, further investigation or remediation tasks, or whether no further action is required.

One 550-gallon orphan UST was removed from the site on June 16, 2005. A visual inspection of the UST did not indicate any holes in the UST.

Two closure soil samples were collected directly beneath UST-3 and analyzed for TPH-GRO and TPH-DRO. Soil sample UST3-Base 1 contained 20,000 mg/kg of TPH-DRO and 29 mg/kg of TPH-GRO. Closure soil sample UST3-Base 2 did not contain detectable concentrations of TPH-GRO or TPH-DRO. Upon excavation of 8.23 tons of soil, confirmation soil samples were collected and analyzed for risk-based parameters.

No analytes were detected above soil-to-ground water MSCCs. Therefore, no further action is recommended.

V. Signature and Seal of Professional Engineer or Licensed Geologist



Michael S. Crouch PE, PG
Project Manager

VI. Enclosures

A. Figures

1. Site Location Map
2. Orphan UST Locations
3. Soil Sample Locations

B. Table 1

C. Appendices

- Appendix A: Site Investigation Report for Permanent Closure or Change-in-Service (GW/UST-2)
- Appendix B: Certificate of Disposal – Residual Liquids
- Appendix C: Tank Disposal Certificate
- Appendix D: Certificate of Acceptance and Manifest - Soil
- Appendix E: Laboratory Data Sheets and Chain-of-Custody Records

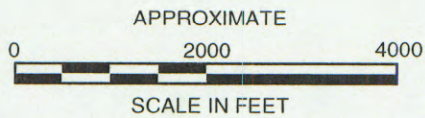
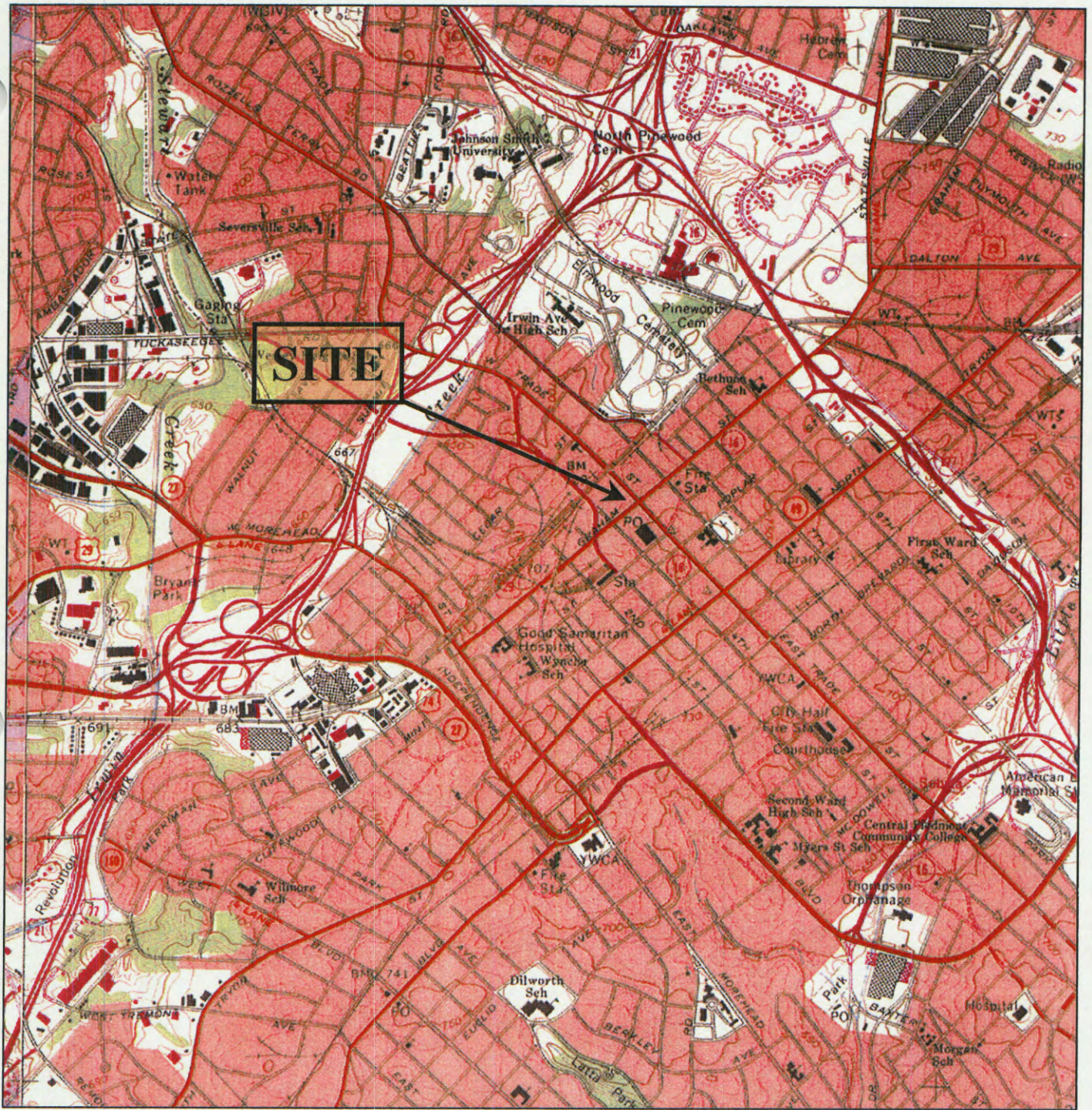
Table 1
 Soil Analytical Results - Closure Sampling
 130 South Graham Street
 Charlotte, North Carolina
 H&H Job No. ROW-131

Results in milligrams/kilogram

Sample ID	Beneath UST-3		Confirmation Samples						NC Target Levels	
	UST3-Base1	UST3-Base2	Excav Base	Excav SW-1	Excav SW-2	Excav SW-3	Excav SW-4	Commercial MISC	Residential MISC	Soil to GW MISC
Date Collected	6/16/2005	6/16/2005	6/16/2005	6/16/2005	6/16/2005	6/16/2005	6/16/2005			
Depth (ft)	6	6	7	6	6	6	6			
VPH/EPH										
VPH C5-C8 Aliphatics	NA	NA	<12	<13	<11	<13	<11	24,528	939	72
EPH C9-C12 Aliphatics	NA	NA	<12	<13	<11	<13	<11	NS	NS	NS
Total C9-C18 Aliphatics	NA	NA	<13	<13	<13	<13	<12	NS	NS	NS
EPH C19-C36 Aliphatics	NA	NA	ND	ND	ND	ND	ND	245,280	9,386	3,255
VPH C9-C10 Aromatics	NA	NA	<13	<13	<13	<13	<12	>100%	93,860	Immobilie
EPH C11-C22 Aromatics	NA	NA	<12	<13	<11	<13	<11	NS	NS	NS
Total C9-C22 Aromatics	NA	NA	<13	<13	<13	<13	<12	NS	NS	NS
VOCs (#260)										
Dichlorodifluoromethane	NA	NA	ND	ND	ND	ND	ND	12,264	469	34
Methylene Chloride	NA	NA	0.013	<0.012	<0.012	<0.012	<0.011	NS	NS	NS
SVOCs (#270)										
Gasoline Range Organics (GRO)	29	<6.5	<0.0067	0.0081	<0.0062	<0.0062	0.0082	763	85	0.02
Diesel Range Organics (DRO)	20,000	<6.5	BDL	BDL	BDL	BDL	BDL	NS	NS	NS
								NC Action Level		
								10		
								10		

Notes:

EPA Method number follows parameter in parenthesis; Bold indicates concentration exceeds action level/target level
 UST = Underground Storage Tank; VPH = Volatile Petroleum Hydrocarbons; EPH = Extractable Hydrocarbons
 VOCs = Volatile Organic Compounds; SVOCs = Semi-Volatile Organic Compounds; TPH = Total Petroleum Hydrocarbons
 NA = Not Analyzed; ND = Not Detected; NS = Not Specified



U.S.G.S. QUADRANGLE MAP

**CHARLOTTE EAST, NC 1967
REVISED/INSPECTED 1988**

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE

SITE LOCATION MAP

PROJECT

SOUTH GRAHAM ST ORPHAN USTS
CHARLOTTE, NORTH CAROLINA



Hart & Hickman
A PROFESSIONAL CORPORATION

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE: 5-9-05

REVISION NO: 0

JOB NO: ROW-131


FIGURE NO: 1




SEE FIGURE 3 FOR DETAIL OF UST 3 AREA

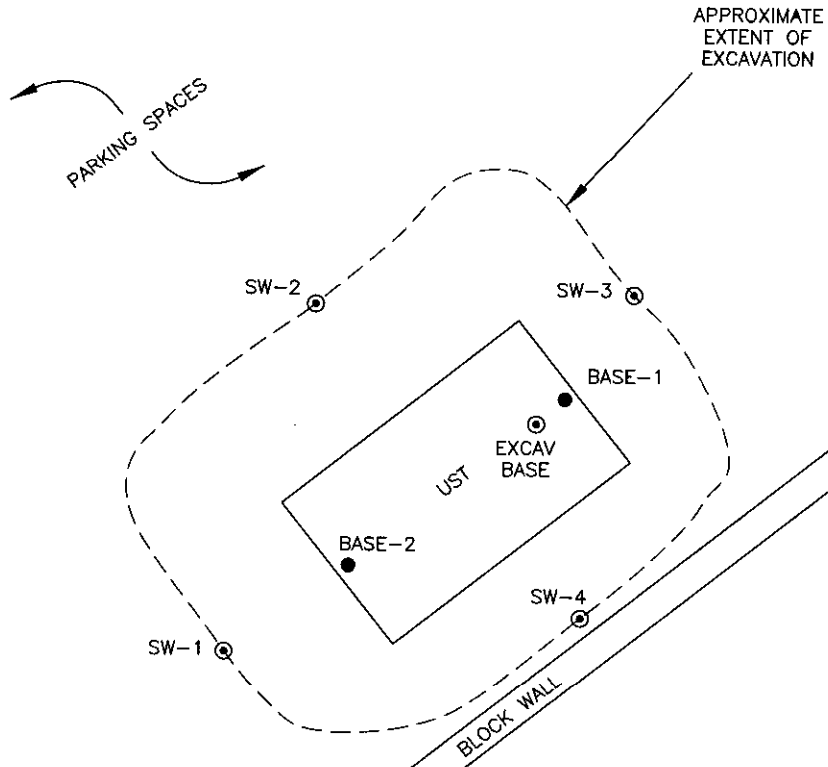


USTs 1 and 2 removed April 22, 2005. UST-3 was removed on June 16, 2005.


 Former Servco Parcel

 NC DOT Parcel 5A

TITLE	ORPHAN UST LOCATIONS	
PROJECT	SOUTH GRAHAM ST ORPHAN USTS CHARLOTTE, NORTH CAROLINA	
 Hart & Hickman <small>A PROFESSIONAL CORPORATION</small>		
<small>2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007 (p) 704-586-0373 (f)</small>		
DATE:	7-25-05	REVISION NO: 0
JOB NO:	ROW-131	FIGURE NO: 2



- LEGEND**
- CLOSURE SAMPLE
 - ⊙ CONFIRMATION SAMPLE

TITLE		SOIL SAMPLE LOCATIONS (UST-3)	
PROJECT		SOUTH GRAHAM ST AND WEST TRADE ST CHARLOTTE, NORTH CAROLINA	
		2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f)	
DATE: 7-24-05		REVISION NO. 0	
JOB NO: ROW-131		FIGURE NO. 3	

Appendix A

Site Investigation Report for Permanent Closure or Change-in-Service (GW/UST-2)

UST-2

Site Investigation Report for Permanent Closure or Change-in-Service of UST

FOR TANKS
IN
NC

Return completed form to:
The DWM Regional office in the area the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES. Return the yellow copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED".

STATE USE ONLY:
I.D. # _____
Date Received _____

I. OWNERSHIP OF TANKS

Dephan Tank on NC DOT Property
Owner Name (Corporation, Individual, Public Agency, or Other Entity)
1589 Mail Service Center
Street Address
City Raleigh County Wake
State NC Zip Code 27699
Area Code 919 Phone Number 250-4088

II. LOCATION OF TANKS

NC DOT Property (Parcel SA) Corner of Trade and
Facility Name or Company
Croham St. in Charlotte, NC
Facility ID # (if known)
Street Address 511 West Trade St.
City Charlotte NC County Mecklenburg Zip Code _____
Area Code NA Phone Number _____

III. CONTACT PERSONNEL

Name Cyrus Parker (NC DOT) Job Title Geo-Environmental Project Manager Tel. No. 919-250-4088
Closure Contractor Soil Solutions Address 1703 Vargrove, Winston-Salem Tel. No. 336-725-5844
Primary Consultant Hart & Hickman Address 2921 S. Tryon St. Charlotte NC Tel. No. 704-586-0007
Lab Pace Analytical Address 9600 Kinsey Ave Huntersville NC Tel. No. 704-875-9092

IV. UST INFORMATION

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in excavation		Free product		Notable odor or visible soil contamination	
				Yes	No	Yes	No	Yes	No
<u>3</u>	<u>550</u>	<u>48" x 96"</u>	<u>Heating Oil</u>		<u>X</u>		<u>L</u>	<u>+</u>	

VI. ADDITIONAL INFORMATION

See reverse side of pink copy (owner's copy) for additional information required by NC DWM in the written report and sketch.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

VII. CHECKLIST (CHECK THE ACTIVITIES COMPLETED)

PERMANENT CLOSURE

(For Removal or Abandonment-in-Place)

- Contact local fire marshal
- Notify DWM Regional Office before abandonment
- Drain and flush piping into tank
- Remove all product and residuals from tank
- Excavate down to tank
- Clean and inspect tank
- Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps, and all other tank fixtures
- Cap or plug all lines except the vent and fill lines
- Purge the tank of all product and flammable vapors
- Cut one or more large holes in the tank
- Backfill the area

Date tank(s) Permanently Closed: 6-16-05
Date of Change in-service: 6-16-05

ABANDONMENT IN PLACE

- Fill tank until material overflows tank opening
- Plug or cap all openings
- Disconnect and cap or remove vent line
- Solid inert material used --specify _____

REMOVAL

- Create vent hole
- Label tank
- Dispose of tank in approved manner. Final tank destination:

Atlantic Scrap & Recycling, Winston-Salem, NC

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

Print name and official title of owner or owner's authorized representative

Israel S. Crouch, Project Manager for NC DOT

Signature

[Signature]

Date Signed

7-25-05

Appendix B

Certificate of Disposal – Residual Liquids



SOIL SOLUTIONS

CERTIFICATE OF DISPOSAL

Soil Solutions, Inc. does hereby certify that 1,119 gallons of non-hazardous contaminated water received on 04/22/2005 from:

Generator: NC DOT

Originating at: 130 S. Graham St.
Charlotte, NC

SSI Waste ID #: 040554

has been disposed of by Soil Solutions, Inc. in a manner approved by the North Carolina Department of Environment and Natural Resources.

Signature

Thomas W. Hammett
Vice President
Soil Solutions, Inc.

Appendix C
Tank Disposal Certificate



SOIL SOLUTIONS

TANK DISPOSAL CERTIFICATE

Tank Owner: NC DOT

Site Address: 120 S. Graham St.
Charlotte, NC

Tank Description:

<u>Tank Number</u>	<u>Size of Tank</u>	<u>Contents</u>
1	550 Gallons	#2 Fuel Oil

Transporter: Soil Solutions, Inc.

SSI Project #: 060539

Disposal Certification:

Soil Solutions, Inc. does hereby certify that the above named storage tank was transported to Atlantic Scrap and Processing in Winston-Salem, NC for proper disposal and recycling.

Signature

Thomas W. Hammett
Vice President
Soil Solutions, Inc.

1703 Vargrave Street Winston-Salem, NC 27107

(336) 725-5844 FAX (336) 725-6244

Appendix D

Certificate of Acceptance and Manifest - Soil



SOIL SOLUTIONS

CERTIFICATE OF ACCEPTANCE

Soil Solutions, Inc. does hereby certify that 8.23 tons of non-hazardous contaminated material received on 06/16/2005 from:

Generator: NC DOT

Originating at: 120 S. Graham St.
Charlotte, NC

SSI Waste ID #: 060539

has been accepted by Soil Solutions, Inc. and will be remediated in their Soil Treatment Facility in Winston-Salem, North Carolina. Soil Solutions, Inc. guarantees the contaminated material will be treated to below regulatory standards established by the North Carolina Department of Environment and Natural Resources for clean soil.

Signature

Thomas W. Hammett
Vice President
Soil Solutions, Inc.

1703 Vargrave Street Winston-Salem, NC 27107

(336) 725-5844 FAX (336) 725-6244

SOIL SOLUTIONS, INC.

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. **59017**

GENERATOR INFORMATION

Generator: **NC DOT**
Site Address: **130 Graham Street**
City/State: **Charlotte, NC**

Phone: **704-586-0007**
Contact: **Mike Crouch**

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): 511220 Material: **Soil**
Empty Weight (lbs): 34765 Contaminant: **# 2 Fuel Oil**
Net Weight (lbs): 16455

Quantity

8.23

Tons

Drums Pails Sacs Yards Other: _____

TRANSPORTER INFORMATION

Transporter: **Soil Solutions, Inc.**
Truck #: SS 203

Phone: **336-725-5844**
Contact: **Tony Disher**

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: Tony Hunter

Date: 6-16-05

FACILITY INFORMATION

SOIL SOLUTIONS, INC.
1703 Vargrave Street
Winston-Salem, NC 27107

SSI Project #: 4 060539
Phone: (336) 725-5844
Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: Tony Disher

Date: 06-16-2005

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

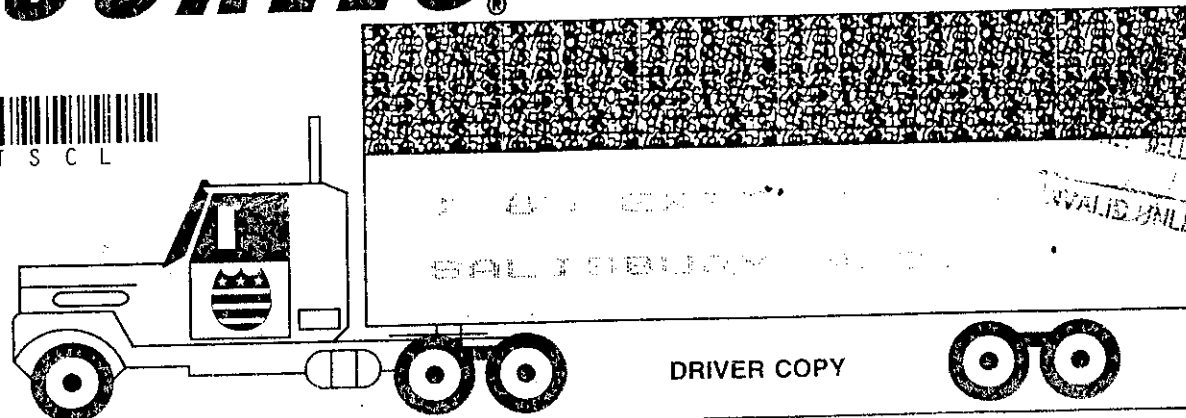


INTERSTATE SCALES®

P.O. Box 6730, Evansville, IN 47719-0730
Ph. (812) 421-8212 Fax: (812) 421-8325
www.interstatescales.com

No. 3547751

IF REWEIGH CHECK HERE
FIRST TICKET # _____



DRIVER COPY

060539

THE GROSS WEIGHT IS THE CERTIFIED WEIGHT
ENTIRE TRUCK MUST BE ON SCALE TO BE CERTIFIED
MULTIPLE DRAFT WEIGHTS ARE NOT LEGAL FOR TRADE

This is to certify that the following described merchandise was weighed, counted or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

rad # _____	Trailer # _____	Company _____																		
#1 Driver Code	P.O.#	Trip #																		
<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>							<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>							<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						

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Appendix E

**Laboratory Data Sheets and
Chain-of-Custody Records**



Pace Analytical Services, Inc.
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Fax: 828.252.4618

June 29, 2005

Mr. Christopher A. Peoples
NC DOT
Materials & Test Unit
1801 Blue Ridge Road
Raleigh, NC 27607

RE: Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Dear Mr. Peoples:

Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2005. 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.

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

Sincerely,

Annette Scott

Annette Scott
Annette.Scott@pacelabs.com
Project Manager

Enclosures

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 89030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS

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NC Wastewater 12
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SC 99006
FL NELAP E87627

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Solid results are reported on a dry weight basis

Lab Sample No: 925765083 Project Sample Number: 9296835-001 Date Collected: 06/16/05 10:00
Client Sample ID: UST3 BASE 1 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	17.0	%			1.0 06/20/05 10:04	KDF			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	20000	mg/kg	300		60.3 06/24/05 16:45	KBS	68334-30-5		
n-Pentacosane (S)	0	%			1.0 06/24/05 16:45	KBS	629-99-2	1	
Date Extracted	06/22/05				06/22/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	29.	mg/kg	5.6		1.1 06/25/05 03:15	DHW			
4-Bromofluorobenzene (S)	204	%			1.0 06/25/05 03:15	DHW	460-00-4	2	

Date: 06/29/05

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765091 Project Sample Number: 9296835-002 Date Collected: 06/16/05 10:15
 Client Sample ID: UST3 BASE 2 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	22.5	%			1.0 06/20/05 10:05	KDF			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.5		1.3 06/24/05 14:05	KBS	68334-30-5		
n-Pentacosane (S)	54	%			1.0 06/24/05 14:05	KBS	629-99-2		
Date Extracted	06/22/05				06/22/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.5		1.3 06/27/05 14:00	DKW			
4-Bromofluorobenzene (S)	99	%			1.0 06/27/05 14:00	DHW	460-00-4		

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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765141 Project Sample Number: 9296835-003 Date Collected: 06/16/05 13:30
Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	22.6	%			1.0	06/20/05 10:05	XDF		

GC/MS Semivolatiles

Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Acenaphthene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		83-32-9		
Acenaphthylene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		208-96-8		
Anthracene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		205-99-2		
Benzo(a)anthracene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		56-55-3		
Benzoic acid	ND	ug/kg	2100	1.3	06/24/05 01:17	BET		65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		191-24-2		
Benzyl alcohol	ND	ug/kg	850	1.3	06/24/05 01:17	BET		100-51-6		
Benzo(a)pyrene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		50-32-8		
4-Eromophenylphenyl ether	ND	ug/kg	430	1.3	06/24/05 01:17	BET		101-55-3		
Butylbenzylphthalate	ND	ug/kg	430	1.3	06/24/05 01:17	BET		85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	850	1.3	06/24/05 01:17	BET		59-50-7		
4-Chloroaniline	ND	ug/kg	850	1.3	06/24/05 01:17	BET		106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	430	1.3	06/24/05 01:17	BET		111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	430	1.3	06/24/05 01:17	BET		111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	430	1.3	06/24/05 01:17	BET		39638-32-9		
2-Chloronaphthalene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		91-58-7		
2-Chlorophenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET		95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	430	1.3	06/24/05 01:17	BET		7005-72-3		
Chrysene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		53-70-3		
Dibenzofuran	ND	ug/kg	430	1.3	06/24/05 01:17	BET		132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	430	1.3	06/24/05 01:17	BET		106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	850	1.3	06/24/05 01:17	BET		91-94-1		
2,4-Dichlorophenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET		120-83-2		
Diethylphthalate	ND	ug/kg	430	1.3	06/24/05 01:17	BET		84-66-2		
2,4-Dimethylphenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET		105-67-9		
Dimethylphthalate	ND	ug/kg	430	1.3	06/24/05 01:17	BET		131-11-3		
Di-n-butylphthalate	ND	ug/kg	430	1.3	06/24/05 01:17	BET		84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET		534-52-1		

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 Fax: 828.252.4618

Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765141 Project Sample Number: 9296835-003 Date Collected: 06/16/05 13:30
 Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
2,4-Dinitrophenol	ND	ug/kg	2100	1.3	06/24/05 01:17	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	430	1.3	06/24/05 01:17	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	430	1.3	06/24/05 01:17	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	430	1.3	06/24/05 01:17	BET	117-81-7		
Fluoranthene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	206-44-0		
Fluorene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	77-47-4		
Hexachloroethane	ND	ug/kg	430	1.3	06/24/05 01:17	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	193-39-5		
Isophorone	ND	ug/kg	430	1.3	06/24/05 01:17	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	430	1.3	06/24/05 01:17	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET			
Naphthalene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 01:17	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 01:17	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 01:17	BET	100-01-6		
Nitrobenzene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.3	06/24/05 01:17	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	430	1.3	06/24/05 01:17	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	430	1.3	06/24/05 01:17	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.3	06/24/05 01:17	BET	87-86-5		
Phenanthrene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	85-01-8		
Phenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET	108-95-2		
Pyrene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	430	1.3	06/24/05 01:17	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	430	1.3	06/24/05 01:17	BET	88-06-2		
Nitrobenzene-d5 (S)	58	%		1.0	06/24/05 01:17	BET	4165-60-0		
2-Fluorobiphenyl (S)	50	%		1.0	06/24/05 01:17	BET	321-60-8		
Terphenyl-d14 (S)	55	%		1.0	06/24/05 01:17	BET	1718-51-0		
Phenol-d5 (S)	57	%		1.0	06/24/05 01:17	BET	4165-62-2		
2-Fluorophenol (S)	55	%		1.0	06/24/05 01:17	BET	367-12-4		
2,4,6-Tribromophenol (S)	67	%		1.0	06/24/05 01:17	BET			

Date: 06/29/05

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 SC 99006
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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765141 Project Sample Number: 9296835-003 Date Collected: 06/16/05 13:30
Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Date Extracted	06/21/05				06/21/05				

GC Semivolatiles

EPH in Soil by Mass. Method	Prep/Method: EPA 3550 / EPH	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Aliphatic (C09-C18)	ND		mg/kg	13.		1.3 06/29/05 07:34	KBS			
Aliphatic (C19-C36)	ND		mg/kg	13.		1.3 06/29/05 07:34	KBS			
Aromatic (C11-22)	ND		mg/kg	13.		1.3 06/29/05 07:34	KBS			
2-Fluorobiphenyl (S)	69	%				1.0 06/29/05 07:34	KBS	321-60-8		
2-Bromonaphthalene (S)	50	%				1.0 06/29/05 07:34	KBS	580-13-2		
Nonatriacontane (S)	47	%				1.0 06/29/05 07:34	KBS	7194-86-7		
o-Terphenyl (S)	78	%				1.0 06/29/05 07:34	KBS	84-15-1		
Date Extracted	06/21/05					06/21/05				

GC Volatiles

VPH in Soil by Mass. Method	Method: VPH	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Aliphatic (C05-C08)	ND		mg/kg	13.		1.3 06/22/05 23:39	DHW			
Aliphatic (C09-C12)	ND		mg/kg	13.		1.3 06/22/05 23:39	DHW			
Aromatic (C09-C10)	ND		mg/kg	13.		1.3 06/22/05 23:39	DHW			
2,5-Dibromotoluene (FID) (S)	109	%				1.0 06/22/05 23:39	DHW			
2,5-Dibromotoluene (PID) (S)	92	%				1.0 06/22/05 23:39	DHW			

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765158 Project Sample Number: 9296835-004 Date Collected: 06/16/05 13:45
 Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.0	%			1.0 06/20/05 10:05	KDF			

GC/MS Semivolatiles

Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acenaphthene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	83-32-9		
Acenaphthylene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	208-96-8		
Anthracene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	56-55-3		
Benzoic acid	ND	ug/kg	2100			1.3 06/24/05 01:54	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	840			1.3 06/24/05 01:54	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	420			1.3 06/24/05 01:54	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	420			1.3 06/24/05 01:54	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	840			1.3 06/24/05 01:54	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	840			1.3 06/24/05 01:54	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	420			1.3 06/24/05 01:54	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	420			1.3 06/24/05 01:54	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	420			1.3 06/24/05 01:54	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	420			1.3 06/24/05 01:54	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	420			1.3 06/24/05 01:54	BET	7005-72-3		
Chrysene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	53-70-3		
Dibenzofuran	ND	ug/kg	420			1.3 06/24/05 01:54	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	420			1.3 06/24/05 01:54	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	840			1.3 06/24/05 01:54	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	420			1.3 06/24/05 01:54	BET	120-83-2		
Diethylphthalate	ND	ug/kg	420			1.3 06/24/05 01:54	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	420			1.3 06/24/05 01:54	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	420			1.3 06/24/05 01:54	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	420			1.3 06/24/05 01:54	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	420			1.3 06/24/05 01:54	BET	534-52-1		

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Ashville Certification IDs
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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765158 Project Sample Number: 9296835-004 Date Collected: 06/16/05 13:45
Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2,4-Dinitrophenol	ND	ug/kg	2100	1.3	06/24/05 01:54	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	420	1.3	06/24/05 01:54	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	420	1.3	06/24/05 01:54	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	420	1.3	06/24/05 01:54	BET	117-81-7		
Fluoranthene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	206-44-0		
Fluorene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	77-47-4		
Hexachloroethane	ND	ug/kg	420	1.3	06/24/05 01:54	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	193-39-5		
Isophorone	ND	ug/kg	420	1.3	06/24/05 01:54	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	420	1.3	06/24/05 01:54	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	420	1.3	06/24/05 01:54	BET			
Naphthalene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 01:54	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 01:54	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 01:54	BET	100-01-6		
Nitrobenzene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	420	1.3	06/24/05 01:54	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.3	06/24/05 01:54	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	420	1.3	06/24/05 01:54	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	420	1.3	06/24/05 01:54	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.3	06/24/05 01:54	BET	87-86-5		
Phenanthrene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	85-01-8		
Phenol	ND	ug/kg	420	1.3	06/24/05 01:54	BET	108-95-2		
Pyrene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	420	1.3	06/24/05 01:54	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	420	1.3	06/24/05 01:54	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	420	1.3	06/24/05 01:54	BET	88-06-2		
Nitrobenzene-d5 (S)	53	%		1.0	06/24/05 01:54	BET	4165-60-0		
2-Fluorobiphenyl (S)	43	%		1.0	06/24/05 01:54	BET	321-60-8		
Terphenyl-d14 (S)	64	%		1.0	06/24/05 01:54	BET	1718-51-0		
Phenol-d5 (S)	50	%		1.0	06/24/05 01:54	BET	4165-62-2		
2-Fluorophenol (S)	47	%		1.0	06/24/05 01:54	BET	367-12-4		
2,4,6-Tribromophenol (S)	62	%		1.0	06/24/05 01:54	BET			

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765158 Project Sample Number: 9296835-004 Date Collected: 06/16/05 13:45
 Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	06/21/05				06/21/05				

GC Semivolatiles

EPH in Soil by Mass. Method	Prep/Method: EPA 3550 / EPH								
Aliphatic (C09-C18)	ND	mg/kg	13.		1.3	06/29/05 08:17	KBS		
Aliphatic (C19-C36)	ND	mg/kg	13.		1.3	06/29/05 08:17	KBS		
Aromatic (C11-22)	ND	mg/kg	13.		1.3	06/29/05 08:17	KBS		
2-Fluorobiphenyl (S)	50	%			1.0	06/29/05 08:17	KBS	321-60-8	
2-Bromonaphthalene (S)	122	%			1.0	06/29/05 08:17	KBS	580-13-2	
Nonatriacontane (S)	40	%			1.0	06/29/05 08:17	KBS	7194-86-7	
o-Terphenyl (S)	90	%			1.0	06/29/05 08:17	KBS	84-15-1	
Date Extracted	06/21/05				06/21/05				

GC Volatiles

VPH in Soil by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	ND	mg/kg	11.		1.1	06/23/05 00:22	DHW		
Aliphatic (C09-C12)	ND	mg/kg	11.		1.1	06/23/05 00:22	DHW		
Aromatic (C09-C10)	ND	mg/kg	11.		1.1	06/23/05 00:22	DHW		
2,5-Dibromotoluene (FID) (S)	113	%			1.0	06/23/05 00:22	DHW		
2,5-Dibromotoluene (PID) (S)	92	%			1.0	06/23/05 00:22	DHW		

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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765208 Project Sample Number: 9296835-005 Date Collected: 06/16/05 14:00
Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
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Wet Chemistry

Percent Moisture	Method: % Moisture								
Percent Moisture	22.6	%		1.0	06/20/05 10:06	KDF			

GC/MS Semivolatiles

Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Acenaphthene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		83-32-9		
Acenaphthylene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		208-96-8		
Anthracene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		205-99-2		
Benzo(a)anthracene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		56-55-3		
Benzoic acid	ND	ug/kg	2100	1.3	06/24/05 02:30	BET		65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		191-24-2		
Benzyl alcohol	ND	ug/kg	850	1.3	06/24/05 02:30	BET		100-51-6		
Benzo(a)pyrene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	430	1.3	06/24/05 02:30	BET		101-55-3		
Butylbenzylphthalate	ND	ug/kg	430	1.3	06/24/05 02:30	BET		85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	850	1.3	06/24/05 02:30	BET		59-50-7		
4-Chloroaniline	ND	ug/kg	850	1.3	06/24/05 02:30	BET		106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	430	1.3	06/24/05 02:30	BET		111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	430	1.3	06/24/05 02:30	BET		111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	430	1.3	06/24/05 02:30	BET		39638-32-9		
2-Chloronaphthalene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		91-58-7		
2-Chlorophenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET		95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	430	1.3	06/24/05 02:30	BET		7005-72-3		
Chrysene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		53-70-3		
Dibenzofuran	ND	ug/kg	430	1.3	06/24/05 02:30	BET		132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	430	1.3	06/24/05 02:30	BET		106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	850	1.3	06/24/05 02:30	BET		91-94-1		
2,4-Dichlorophenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET		120-83-2		
Diethylphthalate	ND	ug/kg	430	1.3	06/24/05 02:30	BET		84-66-2		
2,4-Dimethylphenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET		105-67-9		
Dimethylphthalate	ND	ug/kg	430	1.3	06/24/05 02:30	BET		131-11-3		
Di-n-butylphthalate	ND	ug/kg	430	1.3	06/24/05 02:30	BET		84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET		534-52-1		

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765208 Project Sample Number: 9296835-005 Date Collected: 06/16/05 14:00
 Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Reg/Lmt
2,4-Dinitrophenol	ND	ug/kg	2100	1.3	06/24/05 02:30	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	430	1.3	06/24/05 02:30	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	430	1.3	06/24/05 02:30	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	430	1.3	06/24/05 02:30	BET	117-81-7		
Fluoranthene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	206-44-0		
Fluorene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	77-47-4		
Hexachloroethane	ND	ug/kg	430	1.3	06/24/05 02:30	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	193-39-5		
Isophorone	ND	ug/kg	430	1.3	06/24/05 02:30	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	430	1.3	06/24/05 02:30	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET			
Naphthalene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 02:30	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 02:30	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.3	06/24/05 02:30	BET	100-01-6		
Nitrobenzene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.3	06/24/05 02:30	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	430	1.3	06/24/05 02:30	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	430	1.3	06/24/05 02:30	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.3	06/24/05 02:30	BET	87-86-5		
Phenanthrene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	85-01-8		
Phenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET	108-95-2		
Pyrene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	430	1.3	06/24/05 02:30	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	430	1.3	06/24/05 02:30	BET	88-06-2		
Nitrobenzene-d5 (S)	57	%		1.0	06/24/05 02:30	BET	4165-60-0		
2-Fluorobiphenyl (S)	53	%		1.0	06/24/05 02:30	BET	321-60-8		
Terphenyl-d14 (S)	64	%		1.0	06/24/05 02:30	BET	1718-51-0		
Phenol-d5 (S)	54	%		1.0	06/24/05 02:30	BET	4165-62-2		
2-Fluorophenol (S)	53	%		1.0	06/24/05 02:30	BET	367-12-4		
2,4,6-Tribromophenol (S)	62	%		1.0	06/24/05 02:30	BET			

Date: 06/29/05

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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765208 Project Sample Number: 9296835-005 Date Collected: 06/16/05 14:00
Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Date Extracted	06/21/05				06/21/05				

GC Semivolatiles

EPH in Soil by Mass. Method	Prep/Method: EPA 3550 / EPH	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Aliphatic (C09-C18)		ND	mg/kg	13.		1.3 06/29/05 08:59	KBS			
Aliphatic (C19-C36)		ND	mg/kg	13.		1.3 06/29/05 08:59	KBS			
Aromatic (C11-22)		ND	mg/kg	13.		1.3 06/29/05 08:59	KBS			
2-Fluorobiphenyl (S)		26	%			1.0 06/29/05 08:59	KBS	321-60-8	3	
2-Bromonaphthalene (S)		56	%			1.0 06/29/05 08:59	KBS	580-13-2		
Nonatriacontane (S)		47	%			1.0 06/29/05 08:59	KBS	7194-86-7		
o-Terphenyl (S)		74	%			1.0 06/29/05 08:59	KBS	84-15-1		
Date Extracted	06/21/05					06/21/05				

GC Volatiles

VPH in Soil by Mass. Method	Method: VPH	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Aliphatic (C05-C08)		ND	mg/kg	13.		1.3 06/23/05 01:49	DHW			
Aliphatic (C09-C12)		ND	mg/kg	13.		1.3 06/23/05 01:49	DHW			
Aromatic (C09-C10)		ND	mg/kg	13.		1.3 06/23/05 01:49	DHW			
2,5-Dibromotoluene (FID) (S)		114	%			1.0 06/23/05 01:49	DHW			
2,5-Dibromotoluene (PID) (S)		99	%			1.0 06/23/05 01:49	DHW			

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level	Method: EPA 8260	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Acetone		ND	ug/kg	120		1.2 06/21/05 19:31	RWS	67-64-1		
Benzene		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	71-43-2		
Bromobenzene		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	108-86-1		
Bromo-chloromethane		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	74-97-5		
Bromodichloromethane		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	75-27-4		
Bromoform		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	75-25-2		
Bromomethane		ND	ug/kg	12.		1.2 06/21/05 19:31	RWS	74-83-9		
2-Butanone (MEK)		ND	ug/kg	120		1.2 06/21/05 19:31	RWS	78-93-3		
n-Butylbenzene		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	104-51-8		
sec-Butylbenzene		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	135-98-8		
tert-Butylbenzene		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	98-06-6		
Carbon tetrachloride		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	56-23-5		
Chlorobenzene		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	108-90-7		
Chloroethane		ND	ug/kg	12.		1.2 06/21/05 19:31	RWS	75-00-3		
Chloroform		ND	ug/kg	6.2		1.2 06/21/05 19:31	RWS	67-66-3		
Chloromethane		ND	ug/kg	12.		1.2 06/21/05 19:31	RWS	74-87-3		

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765208 Project Sample Number: 9296835-005 Date Collected: 06/16/05 14:00
 Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	96-12-8		
Dibromochloromethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	106-93-4		
Dibromomethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	06/21/05 19:31	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	87-68-3		
2-Hexanone	ND	ug/kg	62.	1.2	06/21/05 19:31	RWS	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	99-87-6		
Methylene chloride	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.	1.2	06/21/05 19:31	RWS	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	127-18-4		
Toluene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	120-82-1		

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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765208
Client Sample ID: EXCAV SW-3

Project Sample Number: 9296835-005
Matrix: Soil

Date Collected: 06/16/05 14:00
Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	108-67-8		
Vinyl acetate	ND	ug/kg	62.	1.2	06/21/05 19:31	RWS	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	06/21/05 19:31	RWS	75-01-4		
Xylene (Total)	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	06/21/05 19:31	RWS			
o-Xylene	ND	ug/kg	6.2	1.2	06/21/05 19:31	RWS	95-47-6		
Toluene-d8 (S)	98	%		1.0	06/21/05 19:31	RWS	2037-26-5		
4-Bromofluorobenzene (S)	100	%		1.0	06/21/05 19:31	RWS	460-00-4		
Dibromofluoromethane (S)	93	%		1.0	06/21/05 19:31	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%		1.0	06/21/05 19:31	RWS	17060-07-0		

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765216 Project Sample Number: 9296835-006 Date Collected: 06/16/05 14:15
 Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	17.8	%			1.0	06/20/05 10:06	KDF		

GC/MS Semivolatiles

Prep/Method: EPA 3545 / EPA 8270									
Semivolatiles Organics									
Acenaphthene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	83-32-9	
Acenaphthylene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	208-96-8	
Anthracene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	120-12-7	
Benzo(k)fluoranthene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	207-08-9	
Benzo(b)fluoranthene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	205-99-2	
Benzo(a)anthracene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	56-55-3	
Benzoic acid	ND	ug/kg	2000		1.2	06/24/05 03:43	BET	65-85-0	
Benzo(g,h,i)perylene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	191-24-2	
Benzyl alcohol	ND	ug/kg	800		1.2	06/24/05 03:43	BET	100-51-6	
Benzo(a)pyrene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	50-32-8	
4-Bromophenylphenyl ether	ND	ug/kg	400		1.2	06/24/05 03:43	BET	101-55-3	
Butylbenzylphthalate	ND	ug/kg	400		1.2	06/24/05 03:43	BET	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	800		1.2	06/24/05 03:43	BET	59-50-7	
4-Chloroaniline	ND	ug/kg	800		1.2	06/24/05 03:43	BET	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	400		1.2	06/24/05 03:43	BET	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	400		1.2	06/24/05 03:43	BET	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	400		1.2	06/24/05 03:43	BET	39638-32-9	
2-Chloronaphthalene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	91-58-7	
2-Chlorophenol	ND	ug/kg	400		1.2	06/24/05 03:43	BET	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	400		1.2	06/24/05 03:43	BET	7005-72-3	
Chrysene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	53-70-3	
Dibenzofuran	ND	ug/kg	400		1.2	06/24/05 03:43	BET	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	400		1.2	06/24/05 03:43	BET	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	800		1.2	06/24/05 03:43	BET	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	400		1.2	06/24/05 03:43	BET	120-83-2	
Diethylphthalate	ND	ug/kg	400		1.2	06/24/05 03:43	BET	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	400		1.2	06/24/05 03:43	BET	105-67-9	
Dimethylphthalate	ND	ug/kg	400		1.2	06/24/05 03:43	BET	131-11-3	
Di-n-butylphthalate	ND	ug/kg	400		1.2	06/24/05 03:43	BET	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	400		1.2	06/24/05 03:43	BET	534-52-1	

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Lab Project Number: 9296835

Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765216
Client Sample ID: EXCAV SW-4

Project Sample Number: 9296835-006
Matrix: Soil

Date Collected: 06/16/05 14:15
Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2,4-Dinitrophenol	ND	ug/kg	2000	1.2	06/24/05 03:43	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	400	1.2	06/24/05 03:43	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	400	1.2	06/24/05 03:43	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	400	1.2	06/24/05 03:43	BET	117-81-7		
Fluoranthene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	206-44-0		
Fluorene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	77-47-4		
Hexachloroethane	ND	ug/kg	400	1.2	06/24/05 03:43	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	193-39-5		
Isophorone	ND	ug/kg	400	1.2	06/24/05 03:43	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	400	1.2	06/24/05 03:43	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	400	1.2	06/24/05 03:43	BET			
Naphthalene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2000	1.2	06/24/05 03:43	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2000	1.2	06/24/05 03:43	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2000	1.2	06/24/05 03:43	BET	100-01-6		
Nitrobenzene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	400	1.2	06/24/05 03:43	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2000	1.2	06/24/05 03:43	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	400	1.2	06/24/05 03:43	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	400	1.2	06/24/05 03:43	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2000	1.2	06/24/05 03:43	BET	87-86-5		
Phenanthrene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	85-01-8		
Phenol	ND	ug/kg	400	1.2	06/24/05 03:43	BET	108-95-2		
Pyrene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	400	1.2	06/24/05 03:43	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	400	1.2	06/24/05 03:43	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	400	1.2	06/24/05 03:43	BET	88-06-2		
Nitrobenzene-d5 (S)	53	%		1.0	06/24/05 03:43	BET	4165-60-0		
2-Fluorobiphenyl (S)	47	%		1.0	06/24/05 03:43	BET	321-60-8		
Terphenyl-d14 (S)	71	%		1.0	06/24/05 03:43	BET	1718-51-0		
Phenol-d5 (S)	50	%		1.0	06/24/05 03:43	BET	4165-62-2		
2-Fluorophenol (S)	41	%		1.0	06/24/05 03:43	BET	367-12-4		
2,4,6-Tribromophenol (S)	56	%		1.0	06/24/05 03:43	BET			

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765216 Project Sample Number: 9296835-006 Date Collected: 06/16/05 14:15
 Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Date Extracted	06/21/05				06/21/05				

GC Semivolatiles

EPH in Soil by Mass. Method	Prep/Method: EPA 3550 / EPH	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Aliphatic (C09-C18)	ND		mg/kg	12.	1.2	06/29/05 09:42	KBS			
Aliphatic (C19-C36)	ND		mg/kg	12.	1.2	06/29/05 09:42	KBS			
Aromatic (C11-22)	ND		mg/kg	12.	1.2	06/29/05 09:42	KBS			
2-Fluorobiphenyl (S)	41		%		1.0	06/29/05 09:42	KBS	321-60-8		
2-Bromonaphthalene (S)	111		%		1.0	06/29/05 09:42	KBS	580-13-2		
Nonatriacontane (S)	45		%		1.0	06/29/05 09:42	KBS	7194-86-7		
o-Terphenyl (S)	80		%		1.0	06/29/05 09:42	KBS	84-15-1		
Date Extracted	06/21/05					06/21/05				

GC Volatiles

VPH in Soil by Mass. Method	Method: VPH	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Aliphatic (C05-C08)	ND		mg/kg	11.	1.1	06/23/05 02:33	DHW			
Aliphatic (C09-C12)	ND		mg/kg	11.	1.1	06/23/05 02:33	DHW			
Aromatic (C09-C10)	ND		mg/kg	11.	1.1	06/23/05 02:33	DHW			
2,5-Dibromotoluene (FID) (S)	114		%		1.0	06/23/05 02:33	DHW			
2,5-Dibromotoluene (PID) (S)	103		%		1.0	06/23/05 02:33	DHW			

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level	Method: EPA 8260	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Acetone	ND		ug/kg	110	1.1	06/21/05 19:48	RWS	67-64-1		
Benzene	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	71-43-2		
Bromobenzene	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	108-86-1		
Bromo-chloromethane	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	74-97-5		
Bromodichloromethane	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	75-27-4		
Bromoform	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	75-25-2		
Bromomethane	ND		ug/kg	11.	1.1	06/21/05 19:48	RWS	74-83-9		
2-Butanone (MEK)	ND		ug/kg	110	1.1	06/21/05 19:48	RWS	78-93-3		
n-Butylbenzene	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	104-51-8		
sec-Butylbenzene	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	135-98-8		
tert-Butylbenzene	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	98-06-6		
Carbon tetrachloride	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	56-23-5		
Chlorobenzene	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	108-90-7		
Chloroethane	ND		ug/kg	11.	1.1	06/21/05 19:48	RWS	75-00-3		
Chloroform	ND		ug/kg	5.5	1.1	06/21/05 19:48	RWS	67-66-3		
Chloromethane	ND		ug/kg	11.	1.1	06/21/05 19:48	RWS	74-87-3		

Date: 06/29/05

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Lab Project Number: 9296835

Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765216
Client Sample ID: EXCAV SW-4

Project Sample Number: 9296835-006

Date Collected: 06/16/05 14:15

Matrix: Soil

Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2-Chlorotoluene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	96-12-8		
Dibromochloromethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	106-93-4		
Dibromomethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	11.	1.1	06/21/05 19:48	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	10061-02-6		
Diisopropyl ether	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	87-68-3		
2-Hexanone	ND	ug/kg	55.	1.1	06/21/05 19:48	RWS	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	99-87-6		
Methylene chloride	8.2	ug/kg	5.5	1.1	06/21/05 19:48	RWS	75-09-2	4	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.	1.1	06/21/05 19:48	RWS	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	1634-04-4		
Naphthalene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	91-20-3		
n-Propylbenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	103-65-1		
Styrene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	127-18-4		
Toluene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	120-82-1		

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765216 Project Sample Number: 9296835-006 Date Collected: 06/16/05 14:15
 Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	79-00-5		
Trichloroethene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	108-67-8		
Vinyl acetate	ND	ug/kg	55.	1.1	06/21/05 19:48	RWS	108-05-4		
Vinyl chloride	ND	ug/kg	11.	1.1	06/21/05 19:48	RWS	75-01-4		
Xylene (Total)	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	1330-20-7		
m&p-Xylene	ND	ug/kg	11.	1.1	06/21/05 19:48	RWS			
o-Xylene	ND	ug/kg	5.5	1.1	06/21/05 19:48	RWS	95-47-6		
Toluene-d8 (S)	98	%		1.0	06/21/05 19:48	RWS	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	06/21/05 19:48	RWS	460-00-4		
Dibromofluoromethane (S)	98	%		1.0	06/21/05 19:48	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%		1.0	06/21/05 19:48	RWS	17060-07-0		

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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765224 Project Sample Number: 9296835-007 Date Collected: 06/16/05 14:30
Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.2	%			1.0	06/20/05 10:06	KDF		

GC/MS Semivolatiles

Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270	Report Limit	DF	Analyzed	By	CAS No.
Acenaphthene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 83-32-9
Acenaphthylene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 208-96-8
Anthracene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 120-12-7
Benzo(k)fluoranthene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 207-08-9
Benzo(b)fluoranthene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 205-99-2
Benzo(a)anthracene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 56-55-3
Benzoic acid	ND	ug/kg	2100	1.3	06/24/05 04:20	BET 65-85-0
Benzo(g,h,i)perylene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 191-24-2
Benzyl alcohol	ND	ug/kg	840	1.3	06/24/05 04:20	BET 100-51-6
Benzo(a)pyrene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 50-32-8
4-Bromophenylphenyl ether	ND	ug/kg	420	1.3	06/24/05 04:20	BET 101-55-3
Butylbenzylphthalate	ND	ug/kg	420	1.3	06/24/05 04:20	BET 85-68-7
4-Chloro-3-methylphenol	ND	ug/kg	840	1.3	06/24/05 04:20	BET 59-50-7
4-Chloroaniline	ND	ug/kg	840	1.3	06/24/05 04:20	BET 106-47-8
bis(2-Chloroethoxy)methane	ND	ug/kg	420	1.3	06/24/05 04:20	BET 111-91-1
bis(2-Chloroethyl) ether	ND	ug/kg	420	1.3	06/24/05 04:20	BET 111-44-4
bis(2-Chloroisopropyl) ether	ND	ug/kg	420	1.3	06/24/05 04:20	BET 39638-32-9
2-Chloronaphthalene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 91-58-7
2-Chlorophenol	ND	ug/kg	420	1.3	06/24/05 04:20	BET 95-57-8
4-Chlorophenylphenyl ether	ND	ug/kg	420	1.3	06/24/05 04:20	BET 7005-72-3
Chrysene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 218-01-9
Dibenz(a,h)anthracene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 53-70-3
Dibenzofuran	ND	ug/kg	420	1.3	06/24/05 04:20	BET 132-64-9
1,2-Dichlorobenzene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 95-50-1
1,3-Dichlorobenzene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 541-73-1
1,4-Dichlorobenzene	ND	ug/kg	420	1.3	06/24/05 04:20	BET 106-46-7
3,3'-Dichlorobenzidine	ND	ug/kg	840	1.3	06/24/05 04:20	BET 91-94-1
2,4-Dichlorophenol	ND	ug/kg	420	1.3	06/24/05 04:20	BET 120-83-2
Diethylphthalate	ND	ug/kg	420	1.3	06/24/05 04:20	BET 84-66-2
2,4-Dimethylphenol	ND	ug/kg	420	1.3	06/24/05 04:20	BET 105-67-9
Dimethylphthalate	ND	ug/kg	420	1.3	06/24/05 04:20	BET 131-11-3
Di-n-butylphthalate	ND	ug/kg	420	1.3	06/24/05 04:20	BET 84-74-2
4,6-Dinitro-2-methylphenol	ND	ug/kg	420	1.3	06/24/05 04:20	BET 534-52-1

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Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765224 Project Sample Number: 9296835-007 Date Collected: 06/16/05 14:30
 Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2,4-Dinitrophenol	ND	ug/kg	2100		1.3 06/24/05 04:20	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	420		1.3 06/24/05 04:20	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	420		1.3 06/24/05 04:20	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	420		1.3 06/24/05 04:20	BET	117-81-7		
Fluoranthene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	206-44-0		
Fluorene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	77-47-4		
Hexachloroethane	ND	ug/kg	420		1.3 06/24/05 04:20	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	193-39-5		
Isophorone	ND	ug/kg	420		1.3 06/24/05 04:20	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	420		1.3 06/24/05 04:20	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	420		1.3 06/24/05 04:20	BET			
Naphthalene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100		1.3 06/24/05 04:20	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100		1.3 06/24/05 04:20	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100		1.3 06/24/05 04:20	BET	100-01-6		
Nitrobenzene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	420		1.3 06/24/05 04:20	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100		1.3 06/24/05 04:20	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	420		1.3 06/24/05 04:20	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	420		1.3 06/24/05 04:20	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100		1.3 06/24/05 04:20	BET	87-86-5		
Phenanthrene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	85-01-8		
Phenol	ND	ug/kg	420		1.3 06/24/05 04:20	BET	108-95-2		
Pyrene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	420		1.3 06/24/05 04:20	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	420		1.3 06/24/05 04:20	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	420		1.3 06/24/05 04:20	BET	88-06-2		
Nitrobenzene-d5 (S)	75	%			1.0 06/24/05 04:20	BET	4165-60-0		
2-Fluorobiphenyl (S)	69	%			1.0 06/24/05 04:20	BET	321-60-8		
Terphenyl-d14 (S)	76	%			1.0 06/24/05 04:20	BET	1718-51-0		
Phenol-d5 (S)	72	%			1.0 06/24/05 04:20	BET	4165-62-2		
2-Fluorophenol (S)	69	%			1.0 06/24/05 04:20	BET	367-12-4		
2,4,6-Tribromophenol (S)	73	%			1.0 06/24/05 04:20	BET			

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Lab Project Number: 9296835
Client Project ID: ROW-131/WMS#32179

Lab Sample No: 925765224 Project Sample Number: 9296835-007 Date Collected: 06/16/05 14:30
Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	06/21/05				06/21/05				

GC Semivolatiles

EPK in Soil by Mass. Method Prep/Method: EPA 3550 / EPH

Aliphatic (C09-C18)	ND	mg/kg	13.		1.3 06/29/05 10:24	KBS			
Aliphatic (C19-C36)	ND	mg/kg	13.		1.3 06/29/05 10:24	KBS			
Aromatic (C11-22)	ND	mg/kg	13.		1.3 06/29/05 10:24	KBS			
2-Fluorobiphenyl (S)	61	%			1.0 06/29/05 10:24	KBS	321-60-8		
2-Bromonaphthalene (S)	93	%			1.0 06/29/05 10:24	KBS	580-13-2		
Nonatriacontane (S)	45	%			1.0 06/29/05 10:24	KBS	7194-86-7		
o-Terphenyl (S)	63	%			1.0 06/29/05 10:24	KBS	84-15-1		
Date Extracted	06/21/05				06/21/05				

GC Volatiles

VPH in Soil by Mass. Method Method: VPH

Aliphatic (C05-C08)	ND	mg/kg	12.		1.2 06/23/05 03:17	DHW			
Aliphatic (C09-C12)	ND	mg/kg	12.		1.2 06/23/05 03:17	DHW			
Aromatic (C09-C10)	ND	mg/kg	12.		1.2 06/23/05 03:17	DHW			
2,5-Dibromotoluene (FID) (S)	110	%			1.0 06/23/05 03:17	DHW			
2,5-Dibromotoluene (PID) (S)	99	%			1.0 06/23/05 03:17	DHW			

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level Method: EPA 8260

Acetone	ND	ug/kg	130		1.3 06/21/05 20:05	RWS	67-64-1		
Benzene	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	71-43-2		
Bromobenzene	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	108-86-1		
Bromochloromethane	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	74-97-5		
Bromodichloromethane	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	75-27-4		
Bromoform	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	75-25-2		
Bromomethane	ND	ug/kg	13.		1.3 06/21/05 20:05	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/kg	130		1.3 06/21/05 20:05	RWS	78-93-3		
n-Butylbenzene	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	56-23-5		
Chlorobenzene	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	108-90-7		
Chloroethane	ND	ug/kg	13.		1.3 06/21/05 20:05	RWS	75-00-3		
Chloroform	ND	ug/kg	6.7		1.3 06/21/05 20:05	RWS	67-66-3		
Chloromethane	ND	ug/kg	13.		1.3 06/21/05 20:05	RWS	74-87-3		

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Lab Project Number: 9296835

Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765224
Client Sample ID: EXCAV BASE

Project Sample Number: 9296835-007

Date Collected: 06/16/05 14:30

Matrix: Soil

Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
2-Chlorotoluene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	96-12-8		
Dibromochloromethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	106-93-4		
Dibromomethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	106-46-7		
Dichlorodifluoromethane	13.	ug/kg	13.	1.3	06/21/05 20:05	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	87-68-3		
2-Hexanone	ND	ug/kg	67.	1.3	06/21/05 20:05	RWS	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	99-87-6		
Methylene chloride	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.	1.3	06/21/05 20:05	RWS	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	1634-04-4		
Naphthalene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	91-20-3		
n-Propylbenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	103-65-1		
Styrene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	127-18-4		
Toluene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	120-82-1		

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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: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765224 Project Sample Number: 9296835-007 Date Collected: 06/16/05 14:30
Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
1,1,1-Trichloroethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	79-00-5		
Trichloroethene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	108-67-8		
Vinyl acetate	ND	ug/kg	67.	1.3	06/21/05 20:05	RWS	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	06/21/05 20:05	RWS	75-01-4		
Xylene (Total)	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	06/21/05 20:05	RWS			
o-Xylene	ND	ug/kg	6.7	1.3	06/21/05 20:05	RWS	95-47-6		
Toluene-d8 (S)	99	%		1.0	06/21/05 20:05	RWS	2037-26-5		
4-Bromofluorobenzene (S)	98	%		1.0	06/21/05 20:05	RWS	460-00-4		
Dibromofluoromethane (S)	96	%		1.0	06/21/05 20:05	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		1.0	06/21/05 20:05	RWS	17060-07-0		

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SC 99006
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Lab Project Number: 9296835
Client Project ID: ROW-131/WMS#32179

Lab Sample No: 925765232 Project Sample Number: 9296835-008 Date Collected: 06/16/05 13:45
Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.8	%			1.0	06/20/05 10:07	KDF		

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level Method: EPA 8260

Compound	Result	Unit	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/kg	120		1.2	06/21/05 20:23	RWS 67-64-1		
Benzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 71-43-2		
Bromobenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 108-86-1		
Bromochloromethane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 74-97-5		
Bromodichloromethane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 75-27-4		
Bromoform	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 75-25-2		
Bromomethane	ND	ug/kg	12.		1.2	06/21/05 20:23	RWS 74-83-9		
2-Butanone (MEK)	ND	ug/kg	120		1.2	06/21/05 20:23	RWS 78-93-3		
n-Butylbenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 104-51-8		
sec-Butylbenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 135-98-8		
tert-Butylbenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 98-06-6		
Carbon tetrachloride	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 56-23-5		
Chlorobenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 108-90-7		
Chloroethane	ND	ug/kg	12.		1.2	06/21/05 20:23	RWS 75-00-3		
Chloroform	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 67-66-3		
Chloromethane	ND	ug/kg	12.		1.2	06/21/05 20:23	RWS 74-87-3		
2-Chlorotoluene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 96-12-8		
Dibromochloromethane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 106-93-4		
Dibromomethane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.		1.2	06/21/05 20:23	RWS 75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2		1.2	06/21/05 20:23	RWS 142-28-9		

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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: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765232 Project Sample Number: 9296835-008 Date Collected: 06/16/05 13:45
Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	87-68-3		
2-Hexanone	ND	ug/kg	62.	1.2	06/21/05 20:23	RWS	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	99-87-6		
Methylene chloride	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.	1.2	06/21/05 20:23	RWS	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	127-18-4		
Toluene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	108-67-8		
Vinyl acetate	ND	ug/kg	62.	1.2	06/21/05 20:23	RWS	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	06/21/05 20:23	RWS	75-01-4		
Xylene (Total)	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	06/21/05 20:23	RWS			
o-Xylene	ND	ug/kg	6.2	1.2	06/21/05 20:23	RWS	95-47-6		
Toluene-d8 (S)	95	%		1.0	06/21/05 20:23	RWS	2037-26-5		
4-Bromofluorobenzene (S)	86	%		1.0	06/21/05 20:23	RWS	460-00-4		
Dibromofluoromethane (S)	98	%		1.0	06/21/05 20:23	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		1.0	06/21/05 20:23	RWS	17060-07-0		

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Charlotte Certification IDs
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SC 99006
FL NELAP E87627

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765240 Project Sample Number: 9296835-009 Date Collected: 06/16/05 13:30
Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 06/17/05 15:30

Parameters **Results** **Units** **Report Limit** **DF** **Analyzed** **By** **CAS No.** **Qual** **ReqLmt**

Wet Chemistry

Percent Moisture Method: % Moisture
Percent Moisture 21.7 % 1.0 06/20/05 10:07 KDF

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level Method: EPA 8260

Parameter	Result	Unit	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Acetone	ND	ug/kg	120		1.2 06/21/05 20:40	RWS	67-64-1		
Benzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	71-43-2		
Bromobenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	108-86-1		
Bromochloromethane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	74-97-5		
Bromodichloromethane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	75-27-4		
Bromoform	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	75-25-2		
Bromomethane	ND	ug/kg	12.		1.2 06/21/05 20:40	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120		1.2 06/21/05 20:40	RWS	78-93-3		
n-Butylbenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	56-23-5		
Chlorobenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	108-90-7		
Chloroethane	ND	ug/kg	12.		1.2 06/21/05 20:40	RWS	75-00-3		
Chloroform	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	67-66-3		
Chloromethane	ND	ug/kg	12.		1.2 06/21/05 20:40	RWS	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	96-12-8		
Dibromochloromethane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	106-93-4		
Dibromomethane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.		1.2 06/21/05 20:40	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.8		1.2 06/21/05 20:40	RWS	142-28-9		

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Ashville Certification IDs
NC Wastewater 40
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SC 99006
FL NELAP E87627

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

Lab Sample No: 925765240
Client Sample ID: EXCAV SW-1

Project Sample Number: 9296835-009
Matrix: Soil

Date Collected: 06/16/05 13:30
Date Received: 06/17/05 15:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2,2-Dichloropropane	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	10061-02-6		
Diisopropyl ether	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	87-68-3		
2-Hexanone	ND	ug/kg	58.	1.2	06/21/05 20:40	RWS	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	99-87-6		
Methylene chloride	8.1	ug/kg	5.8	1.2	06/21/05 20:40	RWS	75-09-2	4	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.	1.2	06/21/05 20:40	RWS	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	1634-04-4		
Naphthalene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	91-20-3		
n-Propylbenzene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	103-65-1		
Styrene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	127-18-4		
Toluene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	79-00-5		
Trichloroethene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	108-67-8		
Vinyl acetate	ND	ug/kg	58.	1.2	06/21/05 20:40	RWS	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	06/21/05 20:40	RWS	75-01-4		
Xylene (Total)	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	06/21/05 20:40	RWS			
o-Xylene	ND	ug/kg	5.8	1.2	06/21/05 20:40	RWS	95-47-6		
Toluene-d8 (S)	99	%		1.0	06/21/05 20:40	RWS	2037-26-5		
4-Bromofluorobenzene (S)	96	%		1.0	06/21/05 20:40	RWS	460-00-4		
Dibromofluoromethane (S)	96	%		1.0	06/21/05 20:40	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	96	%		1.0	06/21/05 20:40	RWS	17060-07-0		

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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

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] Surrogate standards were not recovered due to sample dilution.
- [2] The surrogate recovery was outside QC acceptance limits due to matrix interference.
- [3] Surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining surrogate.
- [4] Common laboratory contaminant.

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QUALITY CONTROL DATA

Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

MATRIX SPIKE: 925770257

Parameter	Units	925761843 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Nonatriacontane (S)					54	
o-Terphenyl (S)					98	

SAMPLE DUPLICATE: 925770273

Parameter	Units	925761876 Result	DUP Result	RPD	Footnotes
Aliphatic (C09-C18)	mg/kg	ND	ND	NC	
Aliphatic (C19-C36)	mg/kg	ND	ND	NC	
Aromatic (C11-22)	mg/kg	ND	ND	NC	
2-Fluorobiphenyl (S)	%	57	67		
2-Bromonaphthalene (S)	%	101	130		
Nonatriacontane (S)	%	71	46		
o-Terphenyl (S)	%	90	90		

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

QC Batch: 131088 Analysis Method: VPH
QC Batch Method: VPH Analysis Description: VPH in Soil by Mass. Method
Associated Lab Samples: 925765141 925765158 925765208 925765216 925765224

METHOD BLANK: 925777203
Associated Lab Samples: 925765141 925765158 925765208 925765216 925765224

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Aliphatic (C05-C08)	mg/kg	ND	10.	
Aliphatic (C09-C12)	mg/kg	ND	10.	
Aromatic (C09-C10)	mg/kg	ND	10.	
2,5-Dibromotoluene (FID) (S)	%	103		
2,5-Dibromotoluene (PID) (S)	%	95		

LABORATORY CONTROL SAMPLE & LCSD: 925777211 925777229

Parameter	Units	Spike	LCS	LCSD	LCS	LCSD	RPD	Footnotes
		Conc.	Result	Result	% Rec	% Rec		
Aliphatic (C05-C08)	mg/kg	20.00	21.65	22.46	108	112	4	
Aliphatic (C09-C12)	mg/kg	5.000	5.641	6.015	113	120	6	
Aromatic (C09-C10)	mg/kg	5.000	4.961	4.980	99	100	0	
2,5-Dibromotoluene (FID) (S)					111	119		
2,5-Dibromotoluene (PID) (S)					102	104		

SAMPLE DUPLICATE: 925777237

Parameter	Units	925765158	DUP	RPD	Footnotes
		Result	Result		
Aliphatic (C05-C08)	mg/kg	ND	ND	NC	
Aliphatic (C09-C12)	mg/kg	ND	ND	NC	
Aromatic (C09-C10)	mg/kg	ND	ND	NC	
2,5-Dibromotoluene (FID) (S)	%	113	112		
2,5-Dibromotoluene (PID) (S)	%	92	96		

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

QC Batch: 131288
QC Batch Method: EPA 8015
Associated Lab Samples: 925765083 925765091
Analysis Method: EPA 8015
Analysis Description: GAS, Soil, North Carolina

METHOD BLANK: 925788614
Associated Lab Samples: 925765083 925765091

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline	mg/kg	ND	5.0	
4-Bromofluorobenzene (S)	%	102		

LABORATORY CONTROL SAMPLE: 925788622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline	mg/kg	25.00	28.29	113	
4-Bromofluorobenzene (S)				102	

MATRIX SPIKE: 925788630

Parameter	Units	925769432 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Gasoline	mg/kg	1.209	38.64	44.47	112	
4-Bromofluorobenzene (S)					93	

SAMPLE DUPLICATE: 925788648

Parameter	Units	925769440 Result	DUP Result	RPD	Footnotes
Gasoline	mg/kg	ND	ND	NC	
4-Bromofluorobenzene (S)	%	104	102		

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

METHOD BLANK: 925772865

Associated Lab Samples: 925765141 925765158 925765208 925765216 925765224

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	
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	
Nitrobenzene-d5 (S)	‰	64		

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QUALITY CONTROL DATA

Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

METHOD BLANK: 925772865

Associated Lab Samples: 925765141 925765158 925765208 925765216 925765224

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
2-Fluorobiphenyl (S)	%	54		
Terphenyl-d14 (S)	%	70		
Phenol-d5 (S)	%	62		
2-Fluorophenol (S)	%	61		
2,4,6-Tribromophenol (S)	%	71		

LABORATORY CONTROL SAMPLE: 925772873

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acenaphthene	ug/kg	1667.00	1249	75	
Acenaphthylene	ug/kg	1667.00	1255	75	
Anthracene	ug/kg	1667.00	1315	79	
Benzo(k)fluoranthene	ug/kg	1667.00	1390	83	
Benzo(b)fluoranthene	ug/kg	1667.00	1253	75	
Benzo(a)anthracene	ug/kg	1667.00	1307	78	
Benzoic acid	ug/kg	1667.00	868.7	52	
Benzo(g,h,i)perylene	ug/kg	1667.00	952.3	57	
Benzyl alcohol	ug/kg	1667.00	1238	74	
Benzo(a)pyrene	ug/kg	1667.00	1322	79	
4-Bromophenylphenyl ether	ug/kg	1667.00	1370	82	
Butylbenzylphthalate	ug/kg	1667.00	1224	74	
4-Chloro-3-methylphenol	ug/kg	1667.00	1415	85	
4-Chloroaniline	ug/kg	1667.00	746.1	45	
bis(2-Chloroethoxy)methane	ug/kg	1667.00	1177	71	
bis(2-Chloroethyl) ether	ug/kg	1667.00	1101	66	
bis(2-Chloroisopropyl) ether	ug/kg	1667.00	1197	72	
2-Chloronaphthalene	ug/kg	1667.00	1232	74	
2-Chlorophenol	ug/kg	1667.00	1066	64	
4-Chlorophenylphenyl ether	ug/kg	1667.00	1378	83	
Chrysene	ug/kg	1667.00	1291	78	
Dibenz(a,h)anthracene	ug/kg	1667.00	1063	64	
Dibenzofuran	ug/kg	1667.00	1305	78	
1,2-Dichlorobenzene	ug/kg	1667.00	1090	65	
1,3-Dichlorobenzene	ug/kg	1667.00	1040	62	

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925772873

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
1,4-Dichlorobenzene	ug/kg	1667.00	1066	64	
3,3'-Dichlorobenzidine	ug/kg	3333.00	1332	40	
2,4-Dichlorophenol	ug/kg	1667.00	1228	74	
Diethylphthalate	ug/kg	1667.00	1338	80	
2,4-Dimethylphenol	ug/kg	1667.00	1289	77	
Dimethylphthalate	ug/kg	1667.00	1288	77	
Di-n-butylphthalate	ug/kg	1667.00	1241	74	
4,6-Dinitro-2-methylphenol	ug/kg	1667.00	1183	71	
2,4-Dinitrophenol	ug/kg	1667.00	1027	62	
2,4-Dinitrotoluene	ug/kg	1667.00	1344	81	
2,6-Dinitrotoluene	ug/kg	1667.00	1355	81	
Di-n-octylphthalate	ug/kg	1667.00	1294	78	
1,2-Diphenylhydrazine	ug/kg	1667.00	1150	69	
bis(2-Ethylhexyl)phthalate	ug/kg	1667.00	1253	75	
Fluoranthene	ug/kg	1667.00	1289	77	
Fluorene	ug/kg	1667.00	1323	79	
Hexachloro-1,3-butadiene	ug/kg	1667.00	1243	75	
Hexachlorobenzene	ug/kg	1667.00	1395	84	
Hexachlorocyclopentadiene	ug/kg	1667.00	1094	66	
Hexachloroethane	ug/kg	1667.00	1119	67	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	1042	62	
Isophorone	ug/kg	1667.00	1527	92	
2-Methylnaphthalene	ug/kg	1667.00	1236	74	
2-Methylphenol (o-Cresol)	ug/kg	1667.00	1179	71	
3&4-Methylphenol	ug/kg	1667.00	1175	70	
Naphthalene	ug/kg	1667.00	1097	66	
2-Nitroaniline	ug/kg	1667.00	1047	63	
3-Nitroaniline	ug/kg	1667.00	743.2	45	
4-Nitroaniline	ug/kg	1667.00	1095	66	
Nitrobenzene	ug/kg	1667.00	1251	75	
2-Nitrophenol	ug/kg	1667.00	1118	67	
4-Nitrophenol	ug/kg	1667.00	1299	78	
N-Nitroso-di-n-propylamine	ug/kg	1667.00	1284	77	
N-Nitrosodiphenylamine	ug/kg	1667.00	1267	76	
Pentachlorophenol	ug/kg	1667.00	1539	92	
Phenanthrene	ug/kg	1667.00	1261	76	
Phenol	ug/kg	1667.00	1158	70	

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QUALITY CONTROL DATA

Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925772873

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Pyrene	ug/kg	1667.00	1274	76	
1,2,4-Trichlorobenzene	ug/kg	1667.00	1180	71	
2,4,5-Trichlorophenol	ug/kg	1667.00	1372	82	
2,4,6-Trichlorophenol	ug/kg	1667.00	1365	82	
Nitrobenzene-d5 (S)				75	
2-Fluorobiphenyl (S)				75	
Terphenyl-d14 (S)				79	
Phenol-d5 (S)				73	
2-Fluorophenol (S)				67	
2,4,6-Tribromophenol (S)				92	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925772899 925772907

Parameter	Units	925765224 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benaphthene	ug/kg	0	2114.00	1463	1488	69	70	2	
Chloro-3-methylphenol	ug/kg	0	2114.00	1618	1631	76	77	1	
2-Chlorophenol	ug/kg	0	2114.00	1157	1298	55	61	11	
1,4-Dichlorobenzene	ug/kg	0	2114.00	1129	1231	53	58	9	
2,4-Dinitrotoluene	ug/kg	0	2114.00	1546	1527	73	72	1	
4-Nitrophenol	ug/kg	0	2114.00	1438	1435	68	68	0	
N-Nitroso-di-n-propylamine	ug/kg	0	2114.00	1576	1628	74	77	3	
Pentachlorophenol	ug/kg	0	2114.00	1673	1683	79	80	1	
Phenol	ug/kg	0	2114.00	1339	1446	63	68	8	
Pyrene	ug/kg	0	2114.00	1440	1462	68	69	2	
1,2,4-Trichlorobenzene	ug/kg	0	2114.00	1324	1446	63	68	9	
Nitrobenzene-d5 (S)						67	73		
2-Fluorobiphenyl (S)						69	70		
Terphenyl-d14 (S)						69	69		
Phenol-d5 (S)						65	70		
2-Fluorophenol (S)						55	60		
2,4,6-Tribromophenol (S)						78	76		

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

SAMPLE DUPLICATE: 925772881

Parameter	Units	925765208	DUP	RPD	Footnotes
		Result	Result		
Acenaphthene	ug/kg	ND	ND	NC	
Acenaphthylene	ug/kg	ND	ND	NC	
Anthracene	ug/kg	ND	ND	NC	
Benzo (k) fluoranthene	ug/kg	ND	ND	NC	
Benzo (b) fluoranthene	ug/kg	ND	ND	NC	
Benzo (a) anthracene	ug/kg	ND	ND	NC	
Benzoic acid	ug/kg	ND	ND	NC	
Benzo (g, h, i) perylene	ug/kg	ND	ND	NC	
Benzyl alcohol	ug/kg	ND	ND	NC	
Benzo (a) pyrene	ug/kg	ND	ND	NC	
4-Bromophenylphenyl ether	ug/kg	ND	ND	NC	
Butylbenzylphthalate	ug/kg	ND	ND	NC	
4-Chloro-3-methylphenol	ug/kg	ND	ND	NC	
4-Chloroaniline	ug/kg	ND	ND	NC	
bis (2-Chloroethoxy)methane	ug/kg	ND	ND	NC	
bis (2-Chloroethyl) ether	ug/kg	ND	ND	NC	
bis (2-Chloroisopropyl) ether	ug/kg	ND	ND	NC	
2-Chloronaphthalene	ug/kg	ND	ND	NC	
2-Chlorophenol	ug/kg	ND	ND	NC	
4-Chlorophenylphenyl ether	ug/kg	ND	ND	NC	
Chrysene	ug/kg	ND	ND	NC	
Dibenz (a, h) anthracene	ug/kg	ND	ND	NC	
Dibenzofuran	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	
3,3'-Dichlorobenzidine	ug/kg	ND	ND	NC	
2,4-Dichlorophenol	ug/kg	ND	ND	NC	
Diethylphthalate	ug/kg	ND	ND	NC	
2,4-Dimethylphenol	ug/kg	ND	ND	NC	
Dimethylphthalate	ug/kg	ND	ND	NC	
Di-n-butylphthalate	ug/kg	ND	ND	NC	
4,6-Dinitro-2-methylphenol	ug/kg	ND	ND	NC	
2,4-Dinitrophenol	ug/kg	ND	ND	NC	
2,4-Dinitrotoluene	ug/kg	ND	ND	NC	
2,6-Dinitrotoluene	ug/kg	ND	ND	NC	
Di-n-octylphthalate	ug/kg	ND	ND	NC	

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Charlotte Certification IDs
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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

SAMPLE DUPLICATE: 925772001

Parameter	Units	925765200	DUP	RPD	Footnotes
		Result	Result		
1,2-Diphenylhydrazine	ug/kg	ND	ND	NC	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	ND	NC	
Fluoranthene	ug/kg	ND	ND	NC	
Fluorene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
Hexachlorobenzene	ug/kg	ND	ND	NC	
Hexachlorocyclopentadiene	ug/kg	ND	ND	NC	
Hexachloroethane	ug/kg	ND	ND	NC	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND	NC	
Isophorone	ug/kg	ND	ND	NC	
2-Methylnaphthalene	ug/kg	ND	ND	NC	
2-Methylphenol (o-Cresol)	ug/kg	ND	ND	NC	
3&4-Methylphenol	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	
2-Nitroaniline	ug/kg	ND	ND	NC	
3-Nitroaniline	ug/kg	ND	ND	NC	
4-Nitroaniline	ug/kg	ND	ND	NC	
1,2,4-Tribromobenzene	ug/kg	ND	ND	NC	
2-Nitrophenol	ug/kg	ND	ND	NC	
4-Nitrophenol	ug/kg	ND	ND	NC	
N-Nitroso-di-n-propylamine	ug/kg	ND	ND	NC	
N-Nitrosodiphenylamine	ug/kg	ND	ND	NC	
Pentachlorophenol	ug/kg	ND	ND	NC	
Phenanthrene	ug/kg	ND	ND	NC	
Phenol	ug/kg	ND	ND	NC	
Pyrene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
2,4,5-Trichlorophenol	ug/kg	ND	ND	NC	
2,4,6-Trichlorophenol	ug/kg	ND	ND	NC	
Nitrobenzene-d5 (S)	%	57	74		
2-Fluorobiphenyl (S)	%	53	70		
Terphenyl-d14 (S)	%	64	71		
Phenol-d5 (S)	%	54	70		
2-Fluorophenol (S)	%	53	67		
2,4,6-Tribromophenol (S)	%	62	69		

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

QC Batch: 131012
QC Batch Method: EPA 8260
Associated Lab Samples: 925765208

Analysis Method: EPA 8260
Analysis Description: GC/MS VOCs 5035/8260 low level
925765216 925765224 925765232 925765240

METHOD BLANK: 925773319
Associated Lab Samples: 925765208 925765216 925765224 925765232 925765240

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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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

METHOD BLANK: 925773319

Associated Lab Samples: 925765208 925765216 925765224 925765232 925765240

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	
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.	
Xylene (Total)	ug/kg	ND	5.0	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

METHOD BLANK: 925773319

Associated Lab Samples: 925765208 925765216 925765224 925765232 925765240

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	94		
Dibromofluoromethane (S)	%	94		
1,2-Dichloroethane-d4 (S)	%	90		

LABORATORY CONTROL SAMPLE: 925773327

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acetone	ug/kg	100.00	63.85	64	
Benzene	ug/kg	50.00	46.97	94	
Bromobenzene	ug/kg	50.00	48.36	97	
Bromochloromethane	ug/kg	50.00	50.83	102	
Bromodichloromethane	ug/kg	50.00	47.69	95	
Bromoform	ug/kg	50.00	50.31	101	
Bromomethane	ug/kg	50.00	44.70	89	
2-Butanone (MEK)	ug/kg	100.00	128.5	128	
n-Butylbenzene	ug/kg	50.00	42.02	84	
sec-Butylbenzene	ug/kg	50.00	46.14	92	
tert-Butylbenzene	ug/kg	50.00	46.63	93	
Carbon tetrachloride	ug/kg	50.00	46.80	94	
Chlorobenzene	ug/kg	50.00	47.59	95	
Chloroethane	ug/kg	50.00	47.84	96	
Chloroform	ug/kg	50.00	50.25	101	
Chloromethane	ug/kg	50.00	41.54	83	
2-Chlorotoluene	ug/kg	50.00	46.06	92	
4-Chlorotoluene	ug/kg	50.00	46.05	92	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	54.92	110	
Dibromochloromethane	ug/kg	50.00	51.77	104	
1,2-Dibromoethane (EDB)	ug/kg	50.00	50.44	101	
Dibromomethane	ug/kg	50.00	50.67	101	
1,2-Dichlorobenzene	ug/kg	50.00	47.49	95	
1,3-Dichlorobenzene	ug/kg	50.00	45.70	91	
1,4-Dichlorobenzene	ug/kg	50.00	45.67	91	
Dichlorodifluoromethane	ug/kg	50.00	37.06	74	

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 2225 Riverside Drive
 Asheville, NC 28804
 Phone: 828.254.7176
 Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 9296835
 Client Project ID: ROW-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925773327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1-Dichloroethane	ug/kg	50.00	47.18	94	
1,2-Dichloroethane	ug/kg	50.00	50.52	101	
1,1-Dichloroethene	ug/kg	50.00	49.58	99	
cis-1,2-Dichloroethene	ug/kg	50.00	49.03	98	
trans-1,2-Dichloroethene	ug/kg	50.00	46.20	92	
1,2-Dichloropropane	ug/kg	50.00	47.30	95	
1,3-Dichloropropane	ug/kg	50.00	50.20	100	
2,2-Dichloropropane	ug/kg	50.00	46.36	93	
1,1-Dichloropropene	ug/kg	50.00	45.32	91	
cis-1,3-Dichloropropene	ug/kg	50.00	47.50	95	
trans-1,3-Dichloropropene	ug/kg	50.00	48.57	97	
Diisopropyl ether	ug/kg	50.00	52.96	106	
Ethylbenzene	ug/kg	50.00	47.92	96	
Hexachloro-1,3-butadiene	ug/kg	50.00	49.31	99	
2-Hexanone	ug/kg	100.00	136.2	136	
Isopropylbenzene (Cumene)	ug/kg	50.00	51.10	102	
Isopropyltoluene	ug/kg	50.00	42.35	85	
Ethylene chloride	ug/kg	50.00	49.84	100	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	114.8	115	
Methyl-tert-butyl ether	ug/kg	50.00	53.13	106	
Naphthalene	ug/kg	50.00	44.96	90	
n-Propylbenzene	ug/kg	50.00	45.78	92	
Styrene	ug/kg	50.00	48.89	98	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	50.20	100	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	52.15	104	
Tetrachloroethene	ug/kg	50.00	46.04	92	
Toluene	ug/kg	50.00	45.83	92	
1,2,3-Trichlorobenzene	ug/kg	50.00	52.69	105	
1,2,4-Trichlorobenzene	ug/kg	50.00	49.13	98	
1,1,1-Trichloroethane	ug/kg	50.00	47.44	95	
1,1,2-Trichloroethane	ug/kg	50.00	48.99	98	
Trichloroethene	ug/kg	50.00	45.98	92	
Trichlorofluoromethane	ug/kg	50.00	45.38	91	
1,2,3-Trichloropropane	ug/kg	50.00	51.45	103	
1,2,4-Trimethylbenzene	ug/kg	50.00	41.01	82	
1,3,5-Trimethylbenzene	ug/kg	50.00	41.44	83	
Vinyl acetate	ug/kg	100.00	82.21	82	

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925773327

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
Vinyl chloride	ug/kg	50.00	41.94	84	
Xylene (Total)	ug/kg	150.00	140.5	94	
m&p-Xylene	ug/kg	100.00	94.43	94	
o-Xylene	ug/kg	50.00	46.10	92	
Toluene-d8 (S)				101	
4-Bromofluorobenzene (S)				102	
Dibromofluoromethane (S)				105	
1,2-Dichloroethane-d4 (S)				102	

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QUALITY CONTROL DATA

Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

QC Batch: 130860	Analysis Method: % Moisture				
QC Batch Method:	Analysis Description: Percent Moisture				
Associated Lab Samples:	925765083	925765091	925765141	925765158	925765208
	925765216	925765224	925765232	925765240	

SAMPLE DUPLICATE: 925767774

<u>Parameter</u>	<u>Units</u>	925764458	DUP	<u>RPD</u>	<u>Footnotes</u>
		<u>Result</u>	<u>Result</u>		
Percent Moisture	%	94.30	94.20	0	

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Lab Project Number: 9296835
Client Project ID: ROW-131/WBS#32179

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

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CHAIN-OF-CUSTODY / Analytical Request Doc

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

Section B Required Project Information:

Section C Invoice Information:

Report To: <i>Mike Crouch</i>	Attention: <i>NC DOT</i>
Copy To:	Company Name: <i>State Project</i>
Purchase Order No.:	Address: <i>P-3800</i>
Project Name:	Pace Quote Reference: <i>WBS 32179</i>
Project Number: <i>ROW-13.1</i>	Pace Project Manager:
	Pace Profile #: <i>1782-5</i>

REGULATORY AGENCY

NPDES GROUND WATER

UST RCRA

SITE LOCATION

GA IL IN MI

OH SC WI OT

Required Client Information

Matrix ID

Order per box. 3-9/1-3

JUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIFE	WP
AIR	AR
OTHER	OT
TISSUE	TS

MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Filtered (Y/N)	Requested Analysis:	
		COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol			Other
		DATE	TIME	DATE	TIME												
Base 1	S G	6/16/05	1000			4	✓									X	TPH DRO/SPD P260 P270 EPA VFN
Base 2			1015			4	✓									X	
SW-1			1330			9	✓				✓	✓				X	
SW-2			1345			9	✓				✓	✓				X	
SW-3			1400			9	✓				✓	✓				X	
SW-4			1415			9	✓				✓	✓				X	
Base			1430			9	✓				✓	✓				X	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAM
<i>Chad Gubb</i>	6/16/05	1000	<i>Chad Gubb</i>	6/17/05	1435	
<i>U.S. Army</i>	6/17/05	1230	<i>Return to U.S. Army</i>			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: *Chad Gubb*

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM / DD / YY): *6/16/05*

Temp in °C

INSTRUCTIONS