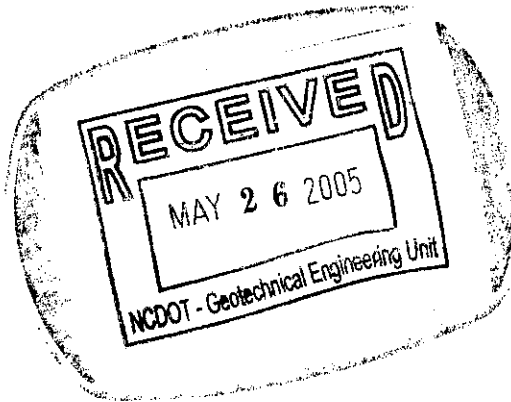


**Underground Storage Tank
Closure Report
NC DOT Multi-Modal Station
Orphan USTs
DOT Parcel 5A
Southwest Intersection of
Trade and Graham Streets
Charlotte, North Carolina**

H&H Job No. ROW-131

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

May 17, 2005



 **Hart & Hickman**

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) Currently leased to Preferred Parking Services, Inc. Site is located at southwest corner of South Graham Street and West Trade St in Charlotte, NC.

2. Facility ID #:

NA. The USTs were 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 USTs were 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 Kincey 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)
1	Unknown	200 gallons	Diameter: 48", length: 36"	Suspected to be Heating Oil	None
2	Unknown	560 gallons	Diameter: 48", length: 96"	Suspected to be Heating Oil	None

*See attached Figure No. 2 for tank locations.

Please note that evidence of a third UST was discovered during field activities. A fill port was noted and the third UST is 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. This UST is scheduled for removal in the near future.

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.

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. The USTs were discovered because the ground in the vicinity of the USTs was subsiding.

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 USTs were located within an 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 removal 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 April 22, 2005. Residual liquids within the UST were removed by Soil Solutions, Inc. (SSI) of Winston-Salem, North Carolina.

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 12 gallons of residual liquids were removed from the UST-1 and 560 gallons from UST-2. Additional fluid was also pumped from a third UST that was discovered during field activities but was not removed during field activities due to access constraints. The third UST is scheduled to be removed at a later date. 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 April 22, 2005 to remove one orphan UST (UST-1). Upon uncovering the UST, a second UST (UST-2) was discovered beneath and adjacent to the original UST. Prior to removal, the tops of the USTs were 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 USTs were located in a single basin in the entryway to the parking lot (Figure 2). The fill ports for the USTs were located directly above the tanks. Two ¼-inch copper lines were noted, typical of heating oil USTs.

Upon removing overburden soils and exposing the USTs, the tanks were 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. One small hole was noted on the side of UST-1. No holes were noted in UST-2. 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.

No odors or elevated OVA readings were noted below UST-1, however elevated OVA readings were noted beneath UST-2.

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

The top of UST-1 was located approximately 6-inches below ground surface. The top of UST-2 was located approximately 1.5 ft below ground surface.

3. *Quantity of soil removed:*

A total of 8.3 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. No indications of soil impacts were noted beneath UST-1, however soils exhibiting elevated OVA readings were noted beneath UST-2. Excavation proceeded until no odors or elevated OVA readings were noted. Only a minor amount of soil was excavated and 8.3 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 did not indicate the presence of petroleum impacted soil beneath UST-1, however petroleum impacts were suspected beneath UST-2.

B. Describe soil sampling points and sampling procedures used:

After removal of the UST, closure samples were collected. One UST closure sample was collected from beneath UST-1. Because the tank length for UST-2 was greater than six feet, two samples were collected from beneath the 560-gallon UST and submitted for laboratory analysis. 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.

TPH was not detected in the soil sample (UST1 Base) collected directly beneath the 200-gallon UST.

Two closure soil samples were collected directly beneath the 560-gallon UST and analyzed for TPH-GRO and TPH-DRO. These UST closure samples contained detectable concentrations of TPH-DRO and TPH-GRO. Soil sample UST2-Base 1 contained 1,600 mg/kg of TPH-DRO and TPH-GRO was not detected. Soil sample UST2-Base 2 contained 8.7 mg/kg of TPH-GRO and 190 mg/kg of TPH-DRO. 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 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**

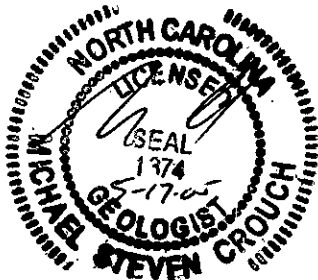
Include probable sources of contamination, further investigation or remediation tasks, or whether no further action is required.

One 200-gallon and one 560-gallon orphan UST were removed from the site on April 22, 2005. A visual inspection of the USTs identified one small hole in the 200-gallon UST (UST-1) but no holes in the 560-gallon UST (UST-2), which was full of fluid.

One closure sample was collected directly beneath the 200-gallon UST and analyzed for TPH-GRO and TPH-DRO. TPH was not detected in this soil sample.

Two closure soil samples were collected directly beneath the 560-gallon UST and analyzed for TPH-GRO and TPH-DRO. These UST closure samples contained detectable concentrations of TPH-DRO and TPH-GRO. Soil sample UST2-Base 1 contained 1,600 mg/kg of TPH-DRO and TPH-GRO was not detected. Soil sample UST2-Base 2 contained 8.7 mg/kg of TPH-GRO and 190 mg/kg of TPH-DRO. 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, with the exception of methylene chloride, a common laboratory contaminant. The detection of methylene chloride is not suspected to be representative of subsurface conditions. 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

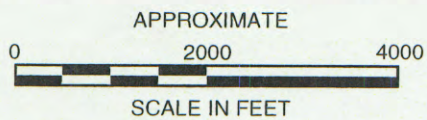
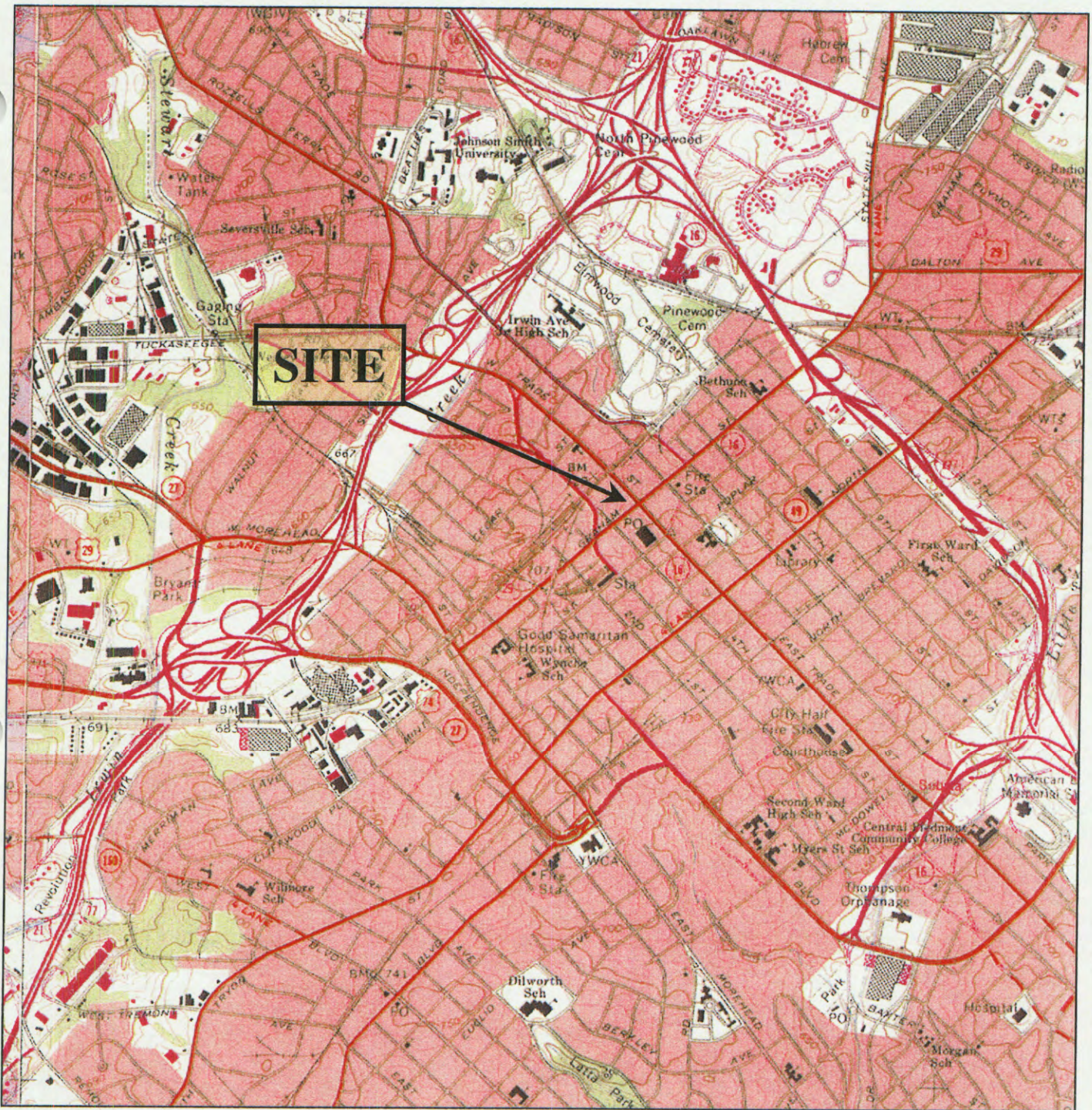
C. Appendices

- 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

Sample ID	Beneath UST-1		Beneath UST-2		Confirmation Samples						NC Target Levels	
	UST1-Base 4/22/2005 4	UST2-Base1 4/22/2005 6	UST2-Base2 4/22/2005 6	Excav Base 4/22/2005 7	Excav SW-1 4/22/2005 6	Excav SW-2 4/22/2005 6	Excav SW-3 4/22/2005 6	Excav SW-4 4/22/2005 6	Commercial MSCC	Residential MSCC	Soil to GW MSCC	
Date Collected	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005	4/22/2005
Depth (ft)	4	6	6	7	6	6	6	6	6	6	6	6
VPH/EPH	NA	NA	NA	<14	<12	<13	<13	<11	24,528	939	72	
VPH C5-C8 Aliphatics	NA	NA	NA	<14	<12	<13	<13	<11	NS	NS	NS	
VPH C9-C12 Aliphatics	NA	NA	NA	<13	<11	<12	<13	<13	NS	NS	NS	
EPH C9-C18 Aliphatics	NA	NA	NA	ND	ND	ND	ND	ND	245,280	9,306	3,255	
Total C9-C18 Aliphatics	NA	NA	NA	<13	<11	<12	<13	<13	>100%	93,860	Immobilized	
EPH C19-C36 Aliphatics	NA	NA	NA	<14	<12	<13	<13	<11	NS	NS	NS	
VPH C9-C10 Aromatics	NA	NA	NA	<13	<11	<12	<13	<13	NS	NS	NS	
EPH C11-C22 Aromatics	NA	NA	NA	<13	<11	<12	<13	<13	NS	NS	NS	
Total C9-C22 Aromatics	NA	NA	NA	ND	ND	ND	ND	ND	12,264	469	34	
VOCs (#260)												
Dichlorodifluoromethane	NA	NA	NA	0.031	0.170	0.110	0.014	0.028	NS	NS	NS	
Methylene Chloride	NA	NA	NA	0.0099	0.040	0.024	0.007	<0.0054	763	85	0.02	
Toluene	NA	NA	NA	0.010	<0.0059	<0.0062	<0.0063	<0.0054	82,000	3,200	7	
1,2,4-Trimethylbenzene	NA	NA	NA	0.011	<0.0059	<0.0062	<0.0063	<0.0054	20,440	782	8	
Total Xylenes	NA	NA	NA	0.012	<0.0059	<0.0062	<0.0063	<0.0054	200,000	32,000	5	
SVOCs (#270)												
TPH									NC Action Level			
Gasoline Range Organics (GRO)	<6.9	<6.3	8.7	NA	NA	NA	NA	NA	10			
Diesel Range Organics (DRO)	<6.4	1,600	190	NA	NA	NA	NA	NA	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	
		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




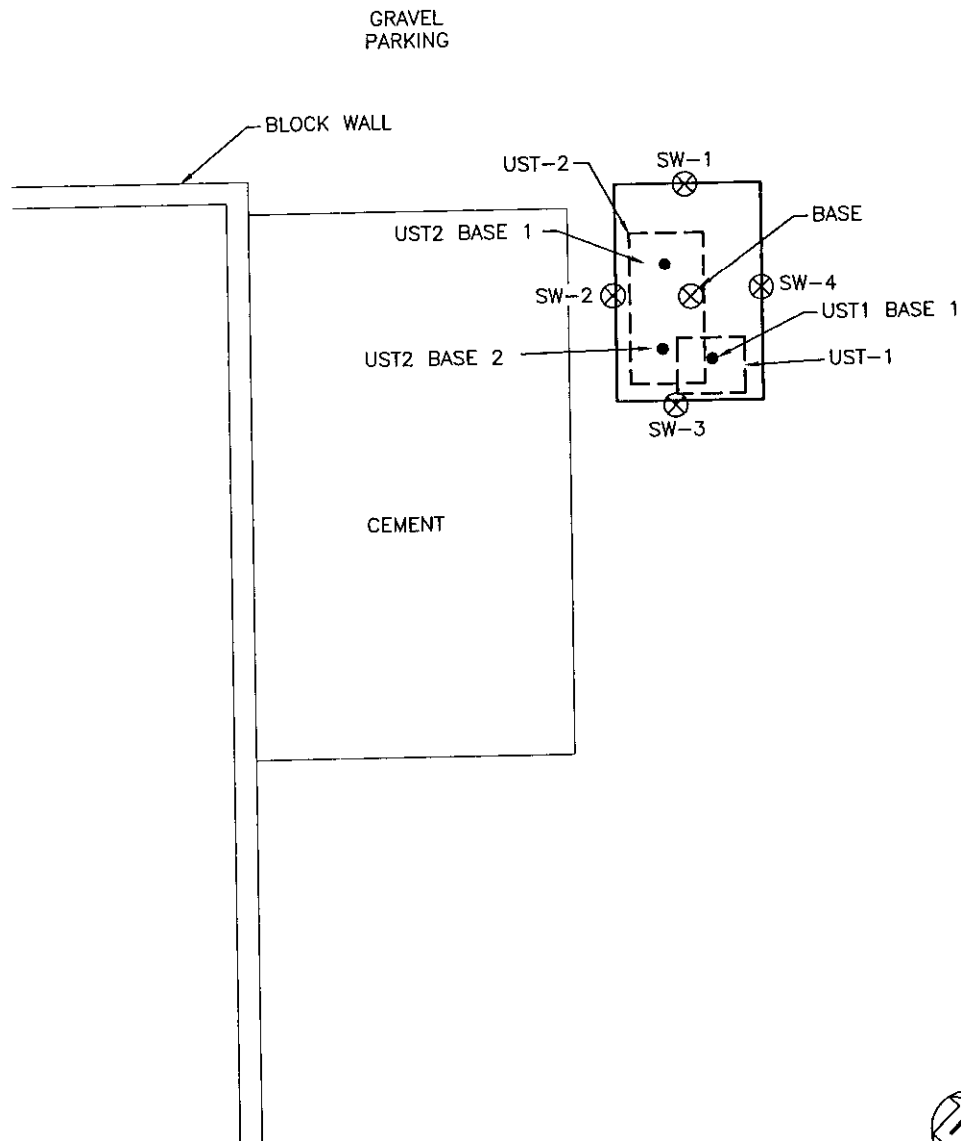
SEE FIGURE 3 FOR DETAIL OF UST 1 AND 2 AREA








USTs 1 and 2 removed April 22, 2005. UST-3 was not removed due to access constrains and vehicular parking. UST-3 removal is pending.

- 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:	5-9-05	REVISION NO: 0
JOB NO:	ROW-131	FIGURE NO: 2



- LEGEND**
-  UST
 -  EXTENT OF EXCAVATION
 -  CLOSURE SAMPLE
 -  CONFIRMATION SAMPLE

TITLE		SOIL SAMPLING LOCATIONS	
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: 5-16-05		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

II. LOCATION OF TANKS

Orphan Tank on NC DOT Property
 Owner Name (Corporation, Individual, Public Agency, or Other Entity)
1569 Mail Service Center
 Street Address
Raleigh
 City
NC
 State
915 250-4088
 Area Code Phone Number

NC DOT Property, (Parcel 5A) Corner of Trade and
 Facility Name or Company
Graham St, Charlotte, NC
 Facility ID # (If known)
511 West Trade St
 Street Address
Charlotte Mecklenburg
 City County
NA
 Area Code 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 Vantage St Winston-Salem Tel. No. 336-725-5844
 Primary Consultant Hest & Hickman, PC Address 2923 S. Tryon St. Charlotte NC Tel. No. 704-566-0007
 Lab Pace Analytical Address 9800 Kincaid Ave Huntersville NC Tel. No. 704-875-9092

IV. UST INFORMATION

V. EXCAVATION CONDITION

VI. ADDITIONAL 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
1	200	48" x 36"	Heating oil		X		X		X
2	560	48" x 96"	Heating oil		X		X	X	

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: 4/22/05

Date of Change in-service: 4/22/05

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 and Processing, 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

Michael S. Crouch as agent for NC DOT

Signature

[Signature]

Date Signed

5-9-05

Appendix B

Certificate of Disposal – Residual Liquids



SOIL SOLUTIONS

CERTIFICATE OF DISPOSAL

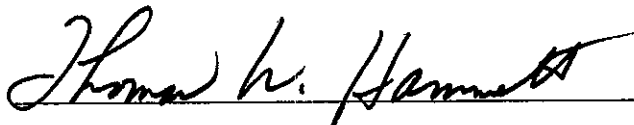
Soil Solutions, Inc. does hereby certify that 1,119 gallons of non-hazardous contaminated water received on 04/22/2005 from:

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

TANKS DISPOSAL CERTIFICATE

Tank Owner: Orphan Tanks
Site Address: 130 S. Graham St.
Charlotte, NC

Description of Tanks:

<u>Tank Number</u>	<u>Size of Tank</u>	<u>Contents</u>
X 1	550 Gallons	#2 Fuel Oil
X 1	200 Gallons	#2 Fuel Oil

Transporter: Soil Solutions, Inc.

SSI Project #: 040554

Disposal Certification:

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

Signature

Thomas W. Hammett
Vice President
Soil Solutions, Inc.

Appendix D

Certificate of Acceptance and Manifest - Soil



SOIL SOLUTIONS

CERTIFICATE OF ACCEPTANCE

Soil Solutions, Inc. does hereby certify that 8.30 tons of non-hazardous contaminated material received on 04/22/2005 from:

Generator: NC DOT

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

SSI Waste ID #: 040554

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.

SOIL SOLUTIONS, INC.

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. **58669**

GENERATOR INFORMATION

Generator: **NCDOT**
Site Address: **Intersection of Trade/Graham**
City/State: **Charlotte, NC**

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

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): **40600** Material: **Soil**
Empty Weight (lbs): **24000** Contaminant: **#2 Fuel Oil**
Net Weight (lbs): **16600**

Quantity

8.30

Tons Drums Pails Sacs Yards Other: _____

TRANSPORTER INFORMATION

Soil Solutions Inc.

336-725-5844

Transporter: _____
Truck #: **101**

Phone: _____
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: *Cary Hester*

Date: **4-22-05**

FACILITY INFORMATION

040554

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

SSI Project #: _____

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: *[Signature]*

Date: **04-22-2005**

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

HORN'S AUTO/TRUCK PLAZA CERTIFIED SCALES

I-40 & Hwy. 601 • Exit 170
Mocksville, NC 27028

DATE: 04-22-05 TIME: 04:43 PM

TICKET #29795

STEERING 11420 lb
DRIVE 29180 lb
TANDEM 00 lb
TOTAL WT 40600 lb

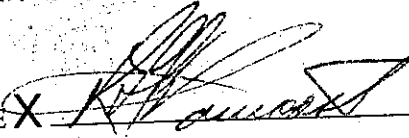
CUSTOMER
SOIL SOLUTIONS

TRUCK 101
TRAILER

WEIGH \$ 6.00

TOTAL WT. IS THE GROSS WEIGHT

COMMODITY: _____

WEIGHER SIGNATURE X 

Horn Oil Co., Inc. **guarantee's** that the **gross weight** on this ticket is accurate, as witnessed by a trained "scalemaster".
If you get a gross **overweight** citation from the state **after** weighing legal at this location, we will check our scales for accuracy. And,
If our scale is inaccurate we will reimburse you for the fine, OR
If our scale is correct we will appear in court with you as an expert witness.
If you do receive a citation after weighing at our location, please call: Horn's Auto/Truck Plaza (336) 751-3815.
AND, Send a copy of the citation and this weigh ticket along with your company, name, address, and phone number to the address on this ticket.
The **GROSS WEIGHT** is the **GUARANTEED** and **CERTIFIED WEIGHT**, and it was weighed on a full length platform scale.

Appendix E
Laboratory Data Sheets and
Chain-of-Custody Records



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

May 06, 2005

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

RE: Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Dear Mr. Peoples:

Enclosed are the analytical results for sample(s) received by the laboratory on April 22, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Annette Scott
Annette.Scott@pacelabs.com
Project Manager

Enclosures

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

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NC Drinking Water 37706
SC 99006
FL NELAP E87627

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

***ALL QC IS NOT COMPLETE FOR QC SAMPLE(S):
ESN 925577702 BATCH 125622

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

Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Solid results are reported on a dry weight basis

Lab Sample No: 925546277 Project Sample Number: 9292840-001 Date Collected: 04/22/05 13:00
 Client Sample ID: UST1-BASE Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.4	%			1.0	04/25/05 13:47	JT1		
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.4		1.3	04/28/05 16:30	KBS 68334-30-5		
n-Pentacosane (S)	89	%			1.0	04/28/05 16:30	KBS 629-99-2		
Date Extracted	04/25/05					04/25/05			
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.9		1.4	04/28/05 21:51	DHW		
4-Bromofluorobenzene (S)	88	%			1.0	04/28/05 21:51	DHW 460-00-4		

Date: 05/06/05

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546285 Project Sample Number: 9292840-002 Date Collected: 04/22/05 13:15
Client Sample ID: UST2-BASE 1 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.5	%		1.0	04/25/05 13:48	JT1			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	1600	mg/kg	64.	12.7	04/28/05 18:57	KBS	68334-30-5		
n-Pentacosane (S)	0	%		1.0	04/28/05 18:57	KBS	629-99-2	1	
Date Extracted	04/25/05				04/25/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.3	1.3	04/28/05 22:19	DHW			
4-Bromofluorobenzene (S)	107	%		1.0	04/28/05 22:19	DHW	460-00-4		

Date: 05/06/05

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Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546293 Project Sample Number: 9292840-003 Date Collected: 04/22/05 13:30
 Client Sample ID: UST2-BASE 2 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	20.1	%			1.0 04/25/05 13:48	JT1			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	190	mg/kg	6.3		1.2 04/28/05 17:00	KBS	68334-30-5		
n-Pentacosane (S)	111	%			1.0 04/28/05 17:00	KBS	629-99-2		
Date Extracted	04/25/05				04/25/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	8.7	mg/kg	7.0		1.4 04/28/05 22:48	DHW			
4-Bromofluorobenzene (S)	108	%			1.0 04/28/05 22:48	DHW	460-00-4		

Date: 05/06/05

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546319 Project Sample Number: 9292840-005 Date Collected: 04/22/05 14:45
Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.4	%		1.0	04/25/05 13:49	JT1			

GC/MS Semivolatiles

Prep/Method: EPA 3545 / EPA 8270									
Semivolatile Organics									
Acenaphthene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	83-32-9		
Acenaphthylene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	208-96-8		
Anthracene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	56-55-3		
Benzoic acid	ND	ug/kg	2100	1.3	04/30/05 02:34	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	840	1.3	04/30/05 02:34	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	420	1.3	04/30/05 02:34	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	420	1.3	04/30/05 02:34	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	840	1.3	04/30/05 02:34	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	840	1.3	04/30/05 02:34	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	420	1.3	04/30/05 02:34	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	420	1.3	04/30/05 02:34	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	420	1.3	04/30/05 02:34	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	420	1.3	04/30/05 02:34	BET	7005-72-3		
Chrysene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	53-70-3		
Dibenzofuran	ND	ug/kg	420	1.3	04/30/05 02:34	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	840	1.3	04/30/05 02:34	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	120-83-2		
Diethylphthalate	ND	ug/kg	420	1.3	04/30/05 02:34	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	420	1.3	04/30/05 02:34	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	420	1.3	04/30/05 02:34	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	534-52-1		

Date: 05/06/05

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Lab Project Number: 9292840
Client Project ID: Row-131/WMS#32179

Lab Sample No: 925546319 Project Sample Number: 9292840-005 Date Collected: 04/22/05 14:45
Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2,4-Dinitrophenol	ND	ug/kg	2100	1.3	04/30/05 02:34	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	420	1.3	04/30/05 02:34	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	420	1.3	04/30/05 02:34	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	420	1.3	04/30/05 02:34	BET	117-81-7		
Fluoranthene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	206-44-0		
Fluorene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	77-47-4		
Hexachloroethane	ND	ug/kg	420	1.3	04/30/05 02:34	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	193-39-5		
Isophorone	ND	ug/kg	420	1.3	04/30/05 02:34	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	420	1.3	04/30/05 02:34	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET			
Naphthalene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 02:34	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 02:34	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 02:34	BET	100-01-6		
Nitrobenzene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.3	04/30/05 02:34	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	420	1.3	04/30/05 02:34	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	420	1.3	04/30/05 02:34	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.3	04/30/05 02:34	BET	87-86-5		
Phenanthrene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	85-01-8		
Phenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	108-95-2		
Pyrene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	420	1.3	04/30/05 02:34	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	420	1.3	04/30/05 02:34	BET	88-06-2		
Nitrobenzene-d5 (S)	44	%		1.0	04/30/05 02:34	BET	4165-60-0		
2-Fluorobiphenyl (S)	52	%		1.0	04/30/05 02:34	BET	321-60-8		
Terphenyl-d14 (S)	52	%		1.0	04/30/05 02:34	BET	1718-51-0		
Phenol-d5 (S)	48	%		1.0	04/30/05 02:34	BET	4165-62-2		
2-Fluorophenol (S)	45	%		1.0	04/30/05 02:34	BET	367-12-4		
2,4,6-Tribromophenol (S)	56	%		1.0	04/30/05 02:34	BET			

Date: 05/06/05

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546319 Project Sample Number: 9292840-005 Date Collected: 04/22/05 14:45
Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
Date Extracted	04/26/05				04/26/05				
GC Semivolatiles									
EPH in Soil by Mass. Method	Prep/Method: EPA 3550 / EPH								
Aliphatic (C09-C18)	ND	mg/kg	13.		1.3 04/29/05 15:22	KBS			
Aliphatic (C19-C36)	ND	mg/kg	13.		1.3 04/29/05 15:22	KBS			
Aromatic (C11-22)	ND	mg/kg	13.		1.3 04/29/05 15:22	KBS			
2-Fluorobiphenyl (S)	75	%			1.0 04/29/05 15:22	KBS	321-60-8		
2-Bromonaphthalene (S)	50	%			1.0 04/29/05 15:22	KBS	580-13-2		
Nonatriacontane (S)	83	%			1.0 04/29/05 15:22	KBS	7194-86-7		
o-Terphenyl (S)	74	%			1.0 04/29/05 15:22	KBS	84-15-1		
Date Extracted	04/26/05				04/26/05				

GC Volatiles									
VPH in Soil by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	ND	mg/kg	14.		1.4 04/25/05 15:53	DHW			
Aliphatic (C09-C12)	ND	mg/kg	14.		1.4 04/25/05 15:53	DHW			
Aromatic (C09-C10)	ND	mg/kg	14.		1.4 04/25/05 15:53	DHW			
2,5-Dibromotoluene (FID) (S)	93	%			1.0 04/25/05 15:53	DHW			
2,5-Dibromotoluene (PID) (S)	99	%			1.0 04/25/05 15:53	DHW			

GC/MS Volatiles									
GC/MS VOCs 5035/8260 low level	Method: EPA 8260								
Acetone	ND	ug/kg	120		1.2 05/02/05 22:19	MSF	67-64-1		
Benzene	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	71-43-2		
Bromobenzene	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	108-86-1		
Bromochloromethane	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	74-97-5		
Bromodichloromethane	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	75-27-4		
Bromoform	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	75-25-2		
Bromomethane	ND	ug/kg	12.		1.2 05/02/05 22:19	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120		1.2 05/02/05 22:19	MSF	78-93-3		
n-Butylbenzene	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	56-23-5		
Chlorobenzene	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	108-90-7		
Chloroethane	ND	ug/kg	12.		1.2 05/02/05 22:19	MSF	75-00-3		
Chloroform	ND	ug/kg	6.2		1.2 05/02/05 22:19	MSF	67-66-3		
Chloromethane	ND	ug/kg	12.		1.2 05/02/05 22:19	MSF	74-87-3		

Date: 05/06/05

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Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546319 Project Sample Number: 9292840-005 Date Collected: 04/22/05 14:45
 Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Reg/Lmt
2-Chlorotoluene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	96-12-8		
Dibromochloromethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	106-93-4		
Dibromomethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	106-46-7		
Dichlorodifluoromethane	31.	ug/kg	12.	1.2	05/02/05 22:19	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	87-68-3		
2-Hexanone	ND	ug/kg	62.	1.2	05/02/05 22:19	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	99-87-6		
Methylene chloride	9.9	ug/kg	6.2	1.2	05/02/05 22:19	MSF	75-09-2		2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.	1.2	05/02/05 22:19	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	79-34-5		
Tetrachloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	127-18-4		
Toluene	10.	ug/kg	6.2	1.2	05/02/05 22:19	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	120-82-1		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546319 Project Sample Number: 9292840-005 Date Collected: 04/22/05 14:45
Client Sample ID: EXCAV BASE Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	96-18-4		
1,2,4-Trimethylbenzene	11.	ug/kg	6.2	1.2	05/02/05 22:19	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	62.	1.2	05/02/05 22:19	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	05/02/05 22:19	MSF	75-01-4		
Xylene (Total)	18.	ug/kg	6.2	1.2	05/02/05 22:19	MSF	1330-20-7		
m&p-Xylene	12.	ug/kg	12.	1.2	05/02/05 22:19	MSF			
o-Xylene	ND	ug/kg	6.2	1.2	05/02/05 22:19	MSF	95-47-6		
Toluene-d8 (S)	100	%		1.0	05/02/05 22:19	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		1.0	05/02/05 22:19	MSF	460-00-4		
Dibromofluoromethane (S)	91	%		1.0	05/02/05 22:19	MSF	1868-53-7		
1,3-Dichloroethane-d4 (S)	91	%		1.0	05/02/05 22:19	MSF	17060-07-0		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546327 Project Sample Number: 9292840-006 Date Collected: 04/22/05 15:00
Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Reg/Lmt
Wet Chemistry									
Percent Moisture	Method: % Moisture				1.0	04/27/05 14:52	KDF		
Percent Moisture	19.2	%							
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	83-32-9	
Acenaphthylene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	208-96-8	
Anthracene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	120-12-7	
Benzo(k)fluoranthene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	207-08-9	
Benzo(b)fluoranthene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	205-99-2	
Benzo(a)anthracene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	56-55-3	
Benzoic acid	ND	ug/kg	2000		1.2	04/30/05 03:09	BET	65-85-0	
Benzo(g,h,i)perylene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	191-24-2	
Benzyl alcohol	ND	ug/kg	820		1.2	04/30/05 03:09	BET	100-51-6	
Benzo(a)pyrene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	50-32-8	
4-Bromophenylphenyl ether	ND	ug/kg	410		1.2	04/30/05 03:09	BET	101-55-3	
Butylbenzylphthalate	ND	ug/kg	410		1.2	04/30/05 03:09	BET	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	820		1.2	04/30/05 03:09	BET	59-50-7	
4-Chloroaniline	ND	ug/kg	820		1.2	04/30/05 03:09	BET	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	410		1.2	04/30/05 03:09	BET	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	410		1.2	04/30/05 03:09	BET	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	410		1.2	04/30/05 03:09	BET	39638-32-9	
2-Chloronaphthalene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	91-58-7	
2-Chlorophenol	ND	ug/kg	410		1.2	04/30/05 03:09	BET	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	410		1.2	04/30/05 03:09	BET	7005-72-3	
Chrysene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	53-70-3	
Dibenzofuran	ND	ug/kg	410		1.2	04/30/05 03:09	BET	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	410		1.2	04/30/05 03:09	BET	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	820		1.2	04/30/05 03:09	BET	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	410		1.2	04/30/05 03:09	BET	120-83-2	
Diethylphthalate	ND	ug/kg	410		1.2	04/30/05 03:09	BET	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	410		1.2	04/30/05 03:09	BET	105-67-9	
Dimethylphthalate	ND	ug/kg	410		1.2	04/30/05 03:09	BET	131-11-3	
Di-n-butylphthalate	ND	ug/kg	410		1.2	04/30/05 03:09	BET	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	410		1.2	04/30/05 03:09	BET	534-52-1	

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546327 Project Sample Number: 9292840-006 Date Collected: 04/22/05 15:00
Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2,4-Dinitrophenol	ND	ug/kg	2000	1.2	04/30/05 03:09	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	410	1.2	04/30/05 03:09	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	410	1.2	04/30/05 03:09	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	410	1.2	04/30/05 03:09	BET	117-81-7		
Fluoranthene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	206-44-0		
Fluorene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	77-47-4		
Hexachloroethane	ND	ug/kg	410	1.2	04/30/05 03:09	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	193-39-5		
Isophorone	ND	ug/kg	410	1.2	04/30/05 03:09	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	410	1.2	04/30/05 03:09	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	410	1.2	04/30/05 03:09	BET			
Naphthalene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2000	1.2	04/30/05 03:09	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2000	1.2	04/30/05 03:09	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2000	1.2	04/30/05 03:09	BET	100-01-6		
Nitrobenzene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	410	1.2	04/30/05 03:09	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2000	1.2	04/30/05 03:09	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	410	1.2	04/30/05 03:09	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	410	1.2	04/30/05 03:09	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2000	1.2	04/30/05 03:09	BET	87-86-5		
Phenanthrene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	85-01-8		
Phenol	ND	ug/kg	410	1.2	04/30/05 03:09	BET	108-95-2		
Pyrene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	410	1.2	04/30/05 03:09	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	410	1.2	04/30/05 03:09	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	410	1.2	04/30/05 03:09	BET	88-06-2		
Nitrobenzene-d5 (S)	48	%		1.0	04/30/05 03:09	BET	4165-60-0		
2-Fluorobiphenyl (S)	53	%		1.0	04/30/05 03:09	BET	321-60-8		
Terphenyl-d14 (S)	66	%		1.0	04/30/05 03:09	BET	1718-51-0		
Phenol-d5 (S)	55	%		1.0	04/30/05 03:09	BET	4165-62-2		
2-Fluorophenol (S)	57	%		1.0	04/30/05 03:09	BET	367-12-4		
2,4,6-Tribromophenol (S)	68	%		1.0	04/30/05 03:09	BET			

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1,1,1-Trichloroethane ND ug/kg 5.9 1.2 05/02/05 22:36 MSF 71-55-6
1,1,2-Trichloroethane ND ug/kg 5.9 1.2 05/02/05 22:36 MSF 78-00-5



Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546327 Project Sample Number: 9292840-006 Date Collected: 04/22/05 15:00
 Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Date Extracted	04/26/05				04/26/05				

GC Semivolatiles

EPH in Soil by Mass. Method	Prep/Method: EPA 3550 / EPH								
Aliphatic (C09-C18)	ND	mg/kg	12.		1.2	04/29/05	16:05	KBS	
Aliphatic (C19-C36)	ND	mg/kg	12.		1.2	04/29/05	16:05	KBS	
Aromatic (C11-22)	ND	mg/kg	12.		1.2	04/29/05	16:05	KBS	
Nonstriacontane (S)	120	%			1.0	04/29/05	16:05	KBS	7194-86-7
o-Terphenyl (S)	62	%			1.0	04/29/05	16:05	KBS	84-15-1
Date Extracted	04/26/05					04/26/05			

GC Volatiles

VPH in Soil by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	ND	mg/kg	11.		1.1	04/25/05	17:21	DHW	
Aliphatic (C09-C12)	ND	mg/kg	11.		1.1	04/25/05	17:21	DHW	
Aromatic (C09-C10)	ND	mg/kg	11.		1.1	04/25/05	17:21	DHW	
2,5-Dibromotoluene (FID) (S)	103	%			1.0	04/25/05	17:21	DHW	
2,5-Dibromotoluene (PID) (S)	110	%			1.0	04/25/05	17:21	DHW	

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level	Method: EPA 8260								
Acetone	ND	ug/kg	120		1.2	05/02/05	22:36	MSF	67-64-1
Benzene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	71-43-2
Bromobenzene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	108-86-1
Bromochloromethane	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	74-97-5
Bromodichloromethane	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	75-27-4
Bromoform	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	75-25-2
Bromomethane	ND	ug/kg	12.		1.2	05/02/05	22:36	MSF	74-83-9
2-Butanone (MEK)	ND	ug/kg	120		1.2	05/02/05	22:36	MSF	78-93-3
n-Butylbenzene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	104-51-8
sec-Butylbenzene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	135-98-8
tert-Butylbenzene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	98-06-6
Carbon tetrachloride	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	56-23-5
Chlorobenzene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	108-90-7
Chloroethane	ND	ug/kg	12.		1.2	05/02/05	22:36	MSF	75-00-3
Chloroform	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	67-66-3
Chloromethane	ND	ug/kg	12.		1.2	05/02/05	22:36	MSF	74-87-3
2-Chlorotoluene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	95-49-8
4-Chlorotoluene	ND	ug/kg	5.9		1.2	05/02/05	22:36	MSF	106-43-4

Date: 05/06/05

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546327
Client Sample ID: EXCAV SW-1
Project Sample Number: 9292840-006
Matrix: Soil
Date Collected: 04/22/05 15:00
Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	96-12-8		
Dibromochloromethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	106-93-4		
Dibromomethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	106-46-7		
Dichlorodifluoromethane	170	ug/kg	12.	1.2	05/02/05 22:36	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	87-68-3		
2-Hexanone	ND	ug/kg	59.	1.2	05/02/05 22:36	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	99-87-6		
Methylene chloride	40.	ug/kg	5.9	1.2	05/02/05 22:36	MSF	75-09-2		2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.	1.2	05/02/05 22:36	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	1634-04-4		
Naphthalene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	103-65-1		
Styrene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	79-34-5		
Tetrachloroethene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	127-18-4		
Toluene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	79-00-5		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546327 Project Sample Number: 9292840-006 Date Collected: 04/22/05 15:00
Client Sample ID: EXCAV SW-1 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Trichloroethene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	59.	1.2	05/02/05 22:36	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	05/02/05 22:36	MSF	75-01-4		
Xylene (Total)	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	05/02/05 22:36	MSF			
o-Xylene	ND	ug/kg	5.9	1.2	05/02/05 22:36	MSF	95-47-6		
Toluene-d8 (S)	99	%		1.0	05/02/05 22:36	MSF	2037-26-5		
4-Bromofluorobenzene (S)	99	%		1.0	05/02/05 22:36	MSF	460-00-4		
Dibromofluoromethane (S)	87	%		1.0	05/02/05 22:36	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		1.0	05/02/05 22:36	MSF	17060-07-0		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546335 Project Sample Number: 9292840-007 Date Collected: 04/22/05 15:15
Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 04/22/05 16:30

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

Percent Moisture	Method: % Moisture								
Percent Moisture	20.4	%			1.0 04/27/05 14:52	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	410			1.3 04/30/05 03:43	BET	83-32-9		
Acenaphthylene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	208-96-8		
Anthracene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	56-55-3		
Benzoic acid	ND	ug/kg	2100			1.3 04/30/05 03:43	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	830			1.3 04/30/05 03:43	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	410			1.3 04/30/05 03:43	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	410			1.3 04/30/05 03:43	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	830			1.3 04/30/05 03:43	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	830			1.3 04/30/05 03:43	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	410			1.3 04/30/05 03:43	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	410			1.3 04/30/05 03:43	BET	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	410			1.3 04/30/05 03:43	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	410			1.3 04/30/05 03:43	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	410			1.3 04/30/05 03:43	BET	7005-72-3		
Chrysene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	53-70-3		
Dibenzofuran	ND	ug/kg	410			1.3 04/30/05 03:43	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	410			1.3 04/30/05 03:43	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	830			1.3 04/30/05 03:43	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	410			1.3 04/30/05 03:43	BET	120-83-2		
Diethylphthalate	ND	ug/kg	410			1.3 04/30/05 03:43	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	410			1.3 04/30/05 03:43	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	410			1.3 04/30/05 03:43	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	410			1.3 04/30/05 03:43	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	410			1.3 04/30/05 03:43	BET	534-52-1		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179


Lab Sample No: 925546335 Project Sample Number: 9292840-007 Date Collected: 04/22/05 15:15
Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2,4-Dinitrophenol	ND	ug/kg	2100	1.3	04/30/05 03:43	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	410	1.3	04/30/05 03:43	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	410	1.3	04/30/05 03:43	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	410	1.3	04/30/05 03:43	BET	117-81-7		
Fluoranthene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	206-44-0		
Fluorene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	77-47-4		
Hexachloroethane	ND	ug/kg	410	1.3	04/30/05 03:43	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	193-39-5		
Isophorone	ND	ug/kg	410	1.3	04/30/05 03:43	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	410	1.3	04/30/05 03:43	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	410	1.3	04/30/05 03:43	BET	91-20-3		
Naphthalene	ND	ug/kg	2100	1.3	04/30/05 03:43	BET	88-74-4		
2-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 03:43	BET	99-09-2		
3-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 03:43	BET	100-01-6		
4-Nitroaniline	ND	ug/kg	410	1.3	04/30/05 03:43	BET	98-95-3		
Nitrobenzene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	88-75-5		
2-Nitrophenol	ND	ug/kg	2100	1.3	04/30/05 03:43	BET	100-02-7		
4-Nitrophenol	ND	ug/kg	410	1.3	04/30/05 03:43	BET	621-64-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	410	1.3	04/30/05 03:43	BET	86-30-6		
N-Nitrosodiphenylamine	ND	ug/kg	2100	1.3	04/30/05 03:43	BET	87-86-5		
Pentachlorophenol	ND	ug/kg	410	1.3	04/30/05 03:43	BET	85-01-8		
Phenanthrene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	108-95-2		
Phenol	ND	ug/kg	410	1.3	04/30/05 03:43	BET	129-00-0		
Pyrene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	120-82-1		
1,2,4-Trichlorobenzene	ND	ug/kg	410	1.3	04/30/05 03:43	BET	95-95-4		
2,4,5-Trichlorophenol	ND	ug/kg	410	1.3	04/30/05 03:43	BET	88-06-2		
2,4,6-Trichlorophenol	ND	ug/kg	410	1.0	04/30/05 03:43	BET	4165-60-0		
Nitrobenzene-d5 (S)	45	%		1.0	04/30/05 03:43	BET	321-60-8		
2-Fluorobiphenyl (S)	50	%		1.0	04/30/05 03:43	BET	1718-51-0		
Terphenyl-d14 (S)	61	%		1.0	04/30/05 03:43	BET	4165-62-2		
Phenol-d5 (S)	51	%		1.0	04/30/05 03:43	BET	367-12-4		
2-Fluorophenol (S)	51	%		1.0	04/30/05 03:43	BET			
2,4,6-Tribromophenol (S)	63	%							

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546335 Project Sample Number: 9292840-007 Date Collected: 04/22/05 15:15
Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	04/26/05				04/26/05				

GC Semivolatiles

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

Aliphatic (C09-C18)	ND	mg/kg	13.		1.3	04/29/05 16:47	KBS		
Aliphatic (C19-C36)	ND	mg/kg	13.		1.3	04/29/05 16:47	KBS		
Aromatic (C11-22)	ND	mg/kg	13.		1.3	04/29/05 16:47	KBS		
2-Fluorobiphenyl (S)	75	%			1.0	04/29/05 16:47	KBS	321-60-8	
2-Bromonaphthalene (S)	67	%			1.0	04/29/05 16:47	KBS	580-13-2	
Nonatriacontane (S)	83	%			1.0	04/29/05 16:47	KBS	7194-86-7	
o-Terphenyl (S)	68	%			1.0	04/29/05 16:47	KBS	84-15-1	
Date Extracted	04/26/05				04/26/05				

GC Volatiles

VPH in Soil by Mass. Method Method: VPH

Aliphatic (C05-C08)	ND	mg/kg	12.		1.2	04/25/05 18:06	DHW		
Aliphatic (C09-C12)	ND	mg/kg	12.		1.2	04/25/05 18:06	DHW		
Aromatic (C09-C10)	ND	mg/kg	12.		1.2	04/25/05 18:06	DHW		
2,5-Dibromotoluene (FID) (S)	94	%			1.0	04/25/05 18:06	DHW		
2,5-Dibromotoluene (PID) (S)	102	%			1.0	04/25/05 18:06	DHW		

GC/MS Volatiles

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

Acetone	ND	ug/kg	120		1.2	05/02/05 22:53	MSF	67-64-1	
Benzene	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	71-43-2	
Bromobenzene	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	108-86-1	
Bromochloromethane	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	75-27-4	
Bromoform	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	75-25-2	
Bromomethane	ND	ug/kg	12.		1.2	05/02/05 22:53	MSF	74-83-9	
2-Butanone (MEK)	ND	ug/kg	120		1.2	05/02/05 22:53	MSF	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	56-23-5	
Chlorobenzene	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	108-90-7	
Chloroethane	ND	ug/kg	12.		1.2	05/02/05 22:53	MSF	75-00-3	
Chloroform	ND	ug/kg	6.2		1.2	05/02/05 22:53	MSF	67-66-3	
Chloromethane	ND	ug/kg	12.		1.2	05/02/05 22:53	MSF	74-87-3	

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Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546335 Project Sample Number: 9292840-007 Date Collected: 04/22/05 15:15
 Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Reg/Lmt
2-Chlorotoluene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	96-12-8		
Dibromochloromethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	106-93-4		
Dibromomethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	106-46-7		
Dichlorodifluoromethane	110	ug/kg	12.	1.2	05/02/05 22:53	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	87-68-3		
2-Hexanone	ND	ug/kg	62.	1.2	05/02/05 22:53	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	99-87-6		
Methylene chloride	24.	ug/kg	6.2	1.2	05/02/05 22:53	MSF	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.	1.2	05/02/05 22:53	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	79-34-5		
Tetrachloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	127-18-4		
Toluene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	120-82-1		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546335 Project Sample Number: 9292840-007 Date Collected: 04/22/05 15:15
Client Sample ID: EXCAV SW-2 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	62.	1.2	05/02/05 22:53	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	05/02/05 22:53	MSF	75-01-4		
Xylene (Total)	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	05/02/05 22:53	MSF			
o-Xylene	ND	ug/kg	6.2	1.2	05/02/05 22:53	MSF	95-47-6		
Toluene-d8 (S)	99	%		1.0	05/02/05 22:53	MSF	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	05/02/05 22:53	MSF	460-00-4		
Dibromofluoromethane (S)	87	%		1.0	05/02/05 22:53	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	91	%		1.0	05/02/05 22:53	MSF	17060-07-0		

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Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546343 Project Sample Number: 9292840-008 Date Collected: 04/22/05 15:30
 Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.1	%			1.0	04/27/05 14:53	KDF		

GC/MS Semivolatiles

Semivolatile Organics		Prep/Method: EPA 3545 / EPA 8270							
Acenaphthene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	83-32-9	
Acenaphthylene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	208-96-8	
Anthracene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	120-12-7	
Benzo(k)fluoranthene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	207-08-9	
Benzo(b)fluoranthene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	205-99-2	
Benzo(a)anthracene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	56-55-3	
Benzoic acid	ND	ug/kg	2100		1.3	04/30/05 04:18	BET	65-85-0	
Benzo(g,h,i)perylene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	191-24-2	
Benzyl alcohol	ND	ug/kg	840		1.3	04/30/05 04:18	BET	100-51-6	
Benzo(a)pyrene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	50-32-8	
4-Bromophenylphenyl ether	ND	ug/kg	420		1.3	04/30/05 04:18	BET	101-55-3	
Butylbenzylphthalate	ND	ug/kg	420		1.3	04/30/05 04:18	BET	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	840		1.3	04/30/05 04:18	BET	59-50-7	
4-Chloroaniline	ND	ug/kg	840		1.3	04/30/05 04:18	BET	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	420		1.3	04/30/05 04:18	BET	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	420		1.3	04/30/05 04:18	BET	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	420		1.3	04/30/05 04:18	BET	39638-32-9	
2-Chloronaphthalene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	91-58-7	
2-Chlorophenol	ND	ug/kg	420		1.3	04/30/05 04:18	BET	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	420		1.3	04/30/05 04:18	BET	7005-72-3	
Chrysene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	53-70-3	
Dibenzofuran	ND	ug/kg	420		1.3	04/30/05 04:18	BET	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	420		1.3	04/30/05 04:18	BET	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	840		1.3	04/30/05 04:18	BET	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	420		1.3	04/30/05 04:18	BET	120-83-2	
Diethylphthalate	ND	ug/kg	420		1.3	04/30/05 04:18	BET	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	420		1.3	04/30/05 04:18	BET	105-67-9	
Dimethylphthalate	ND	ug/kg	420		1.3	04/30/05 04:18	BET	131-11-3	
Di-n-butylphthalate	ND	ug/kg	420		1.3	04/30/05 04:18	BET	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	420		1.3	04/30/05 04:18	BET	534-52-1	

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546343 Project Sample Number: 9292840-008 Date Collected: 04/22/05 15:30
Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Reqmt
2,4-Dinitrophenol	ND	ug/kg	2100	1.3	04/30/05 04:18	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	420	1.3	04/30/05 04:18	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	420	1.3	04/30/05 04:18	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	420	1.3	04/30/05 04:18	BET	117-81-7		
Fluoranthene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	206-44-0		
Fluorene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	77-47-4		
Hexachloroethane	ND	ug/kg	420	1.3	04/30/05 04:18	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	193-39-5		
Isophorone	ND	ug/kg	420	1.3	04/30/05 04:18	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	420	1.3	04/30/05 04:18	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	420	1.3	04/30/05 04:18	BET			
Naphthalene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 04:18	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 04:18	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 04:18	BET	100-01-6		
Nitrobenzene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	420	1.3	04/30/05 04:18	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.3	04/30/05 04:18	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	420	1.3	04/30/05 04:18	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	420	1.3	04/30/05 04:18	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.3	04/30/05 04:18	BET	87-86-5		
Phenanthrene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	85-01-8		
Phenol	ND	ug/kg	420	1.3	04/30/05 04:18	BET	108-95-2		
Pyrene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	420	1.3	04/30/05 04:18	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	420	1.3	04/30/05 04:18	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	420	1.3	04/30/05 04:18	BET	88-06-2		
Nitrobenzene-d5 (S)	50	%		1.0	04/30/05 04:18	BET	4165-60-0		
2-Fluorobiphenyl (S)	56	%		1.0	04/30/05 04:18	BET	321-60-8		
Terphenyl-d14 (S)	56	%		1.0	04/30/05 04:18	BET	1718-51-0		
Phenol-d5 (S)	56	%		1.0	04/30/05 04:18	BET	4165-62-2		
2-Fluorophenol (S)	56	%		1.0	04/30/05 04:18	BET	367-12-4		
2,4,6-Tribromophenol (S)	62	%		1.0	04/30/05 04:18	BET			

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Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546343 Project Sample Number: 9292840-008 Date Collected: 04/22/05 15:30
 Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Date Extracted	04/26/05				04/26/05				

GC Semivolatiles

EPH in Soil by Mass. Method	Prep/Method: EPA 3550 / EPH								
Aliphatic (C09-C18)	ND	mg/kg	13.		1.3	04/29/05 17:30	KBS		
Aliphatic (C19-C36)	ND	mg/kg	13.		1.3	04/29/05 17:30	KBS		
Aromatic (C11-22)	ND	mg/kg	13.		1.3	04/29/05 17:30	KBS		
2-Fluorobiphenyl (S)	76	%			1.0	04/29/05 17:30	KBS	321-60-8	
2-Bromonaphthalene (S)	67	%			1.0	04/29/05 17:30	KBS	580-13-2	
Nonatriacontane (S)	88	%			1.0	04/29/05 17:30	KBS	7194-86-7	
o-Terphenyl (S)	70	%			1.0	04/29/05 17:30	KBS	84-15-1	
Date Extracted	04/26/05				04/26/05				

GC Volatiles

VPH in Soil by Mass. Method	Method: VPH								
Aliphatic (C05-C08)	ND	mg/kg	13.		1.3	04/25/05 18:50	DHW		
Aliphatic (C09-C12)	ND	mg/kg	13.		1.3	04/25/05 18:50	DHW		
Aromatic (C09-C10)	ND	mg/kg	13.		1.3	04/25/05 18:50	DHW		
2,5-Dibromotoluene (FID) (S)	108	%			1.0	04/25/05 18:50	DHW		
2,5-Dibromotoluene (PID) (S)	114	%			1.0	04/25/05 18:50	DHW		

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level	Method: EPA 8260								
Acetone	ND	ug/kg	130		1.3	05/02/05 23:10	MSF	67-64-1	
Benzene	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	71-43-2	
Bromobenzene	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	108-86-1	
Bromochloromethane	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	75-27-4	
Bromoform	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	75-25-2	
Bromomethane	ND	ug/kg	13.		1.3	05/02/05 23:10	MSF	74-83-9	
2-Butanone (MEK)	ND	ug/kg	130		1.3	05/02/05 23:10	MSF	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	56-23-5	
Chlorobenzene	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	108-90-7	
Chloroethane	ND	ug/kg	13.		1.3	05/02/05 23:10	MSF	75-00-3	
Chloroform	ND	ug/kg	6.3		1.3	05/02/05 23:10	MSF	67-66-3	
Chloromethane	ND	ug/kg	13.		1.3	05/02/05 23:10	MSF	74-87-3	

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546343 Project Sample Number: 9292840-008 Date Collected: 04/22/05 15:30
Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2-Chlorotoluene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	96-12-8		
Dibromochloromethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	106-93-4		
Dibromomethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	106-46-7		
Dichlorodifluoromethane	14.	ug/kg	13.	1.3	05/02/05 23:10	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	87-68-3		
2-Hexanone	ND	ug/kg	63.	1.3	05/02/05 23:10	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	99-87-6		
Methylene chloride	7.0	ug/kg	6.3	1.3	05/02/05 23:10	MSF	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	63.	1.3	05/02/05 23:10	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	103-65-1		
Styrene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	630-20-6		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	79-34-5		
Tetrachloroethene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	127-18-4		
Toluene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	120-82-1		

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Pace Analytical Services, Inc.
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Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546343 Project Sample Number: 9292840-008 Date Collected: 04/22/05 15:30
 Client Sample ID: EXCAV SW-3 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	79-00-5		
Trichloroethene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	63.	1.3	05/02/05 23:10	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	05/02/05 23:10	MSF	75-01-4		
Xylene (Total)	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	05/02/05 23:10	MSF			
o-Xylene	ND	ug/kg	6.3	1.3	05/02/05 23:10	MSF	95-47-6		
Toluene-d8 (S)	98	%		1.0	05/02/05 23:10	MSF	2037-26-5		
4-Bromofluorobenzene (S)	98	%		1.0	05/02/05 23:10	MSF	460-00-4		
Dibromofluoromethane (S)	89	%		1.0	05/02/05 23:10	MSF	1068-53-7		
1,2-Dichloroethane-d4 (S)	93	%		1.0	05/02/05 23:10	MSF	17060-07-0		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546350 Project Sample Number: 9292840-009 Date Collected: 04/22/05 15:40
Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 04/22/05 16:30

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

Percent Moisture	Method: % Moisture								
Percent Moisture	22.5	%		1.0	04/27/05 14:53	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	430	1.3	04/30/05 04:52	BET		83-32-9		
Acenaphthylene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		208-96-8		
Anthracene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		205-99-2		
Benzo(a)anthracene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		56-55-3		
Benzoic acid	ND	ug/kg	2100	1.3	04/30/05 04:52	BET		65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		191-24-2		
Benzyl alcohol	ND	ug/kg	850	1.3	04/30/05 04:52	BET		100-51-6		
Benzo(a)pyrene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	430	1.3	04/30/05 04:52	BET		101-55-3		
Butylbenzylphthalate	ND	ug/kg	430	1.3	04/30/05 04:52	BET		85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	850	1.3	04/30/05 04:52	BET		59-50-7		
4-Chloroaniline	ND	ug/kg	850	1.3	04/30/05 04:52	BET		106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	430	1.3	04/30/05 04:52	BET		111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	430	1.3	04/30/05 04:52	BET		111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/kg	430	1.3	04/30/05 04:52	BET		39638-32-9		
2-Chloronaphthalene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		91-58-7		
2-Chlorophenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET		95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	430	1.3	04/30/05 04:52	BET		7005-72-3		
Chrysene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		53-70-3		
Dibenzofuran	ND	ug/kg	430	1.3	04/30/05 04:52	BET		132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	430	1.3	04/30/05 04:52	BET		106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	850	1.3	04/30/05 04:52	BET		91-94-1		
2,4-Dichlorophenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET		120-83-2		
Diethylphthalate	ND	ug/kg	430	1.3	04/30/05 04:52	BET		84-66-2		
2,4-Dimethylphenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET		105-67-9		
Dimethylphthalate	ND	ug/kg	430	1.3	04/30/05 04:52	BET		131-11-3		
Di-n-butylphthalate	ND	ug/kg	430	1.3	04/30/05 04:52	BET		84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET		534-52-1		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546350 Project Sample Number: 9292840-009 Date Collected: 04/22/05 15:40
Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	Req/Lmt
2,4-Dinitrophenol	ND	ug/kg	2100	1.3	04/30/05 04:52	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	430	1.3	04/30/05 04:52	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	430	1.3	04/30/05 04:52	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	430	1.3	04/30/05 04:52	BET	117-81-7		
Fluoranthene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	206-44-0		
Fluorene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	77-47-4		
Hexachloroethane	ND	ug/kg	430	1.3	04/30/05 04:52	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	193-39-5		
Isophorone	ND	ug/kg	430	1.3	04/30/05 04:52	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	430	1.3	04/30/05 04:52	BET	95-48-7		
3,4-Methylphenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET			
Naphthalene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 04:52	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 04:52	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	2100	1.3	04/30/05 04:52	BET	100-01-6		
Nitrobenzene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	98-95-3		
2-Nitrophenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	2100	1.3	04/30/05 04:52	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	430	1.3	04/30/05 04:52	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	430	1.3	04/30/05 04:52	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	2100	1.3	04/30/05 04:52	BET	87-86-5		
Phenanthrene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	85-01-8		
Phenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET	108-95-2		
Pyrene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	430	1.3	04/30/05 04:52	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	430	1.3	04/30/05 04:52	BET	88-06-2		
Nitrobenzene-d5 (S)	47	%		1.0	04/30/05 04:52	BET	4165-60-0		
2-Fluorobiphenyl (S)	56	%		1.0	04/30/05 04:52	BET	321-60-8		
Terphenyl-d14 (S)	65	%		1.0	04/30/05 04:52	BET	1718-51-0		
Phenol-d5 (S)	53	%		1.0	04/30/05 04:52	BET	4165-62-2		
2-Fluorophenol (S)	53	%		1.0	04/30/05 04:52	BET	367-12-4		
2,4,6-Tribromophenol (S)	69	%		1.0	04/30/05 04:52	BET			

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546350 Project Sample Number: 9292840-009 Date Collected: 04/22/05 15:40
Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
Date Extracted	04/26/05				04/26/05				

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 04/29/05 18:13	KBS			
Aliphatic (C19-C36)		ND	mg/kg	13.		1.3 04/29/05 18:13	KBS			
Aromatic (C11-22)		ND	mg/kg	13.		1.3 04/29/05 18:13	KBS			
2-Fluorobiphenyl (S)		72	%			1.0 04/29/05 18:13	KBS	321-60-8		
2-Bromonaphthalene (S)		80	%			1.0 04/29/05 18:13	KBS	580-13-2		
Nonatricacontane (S)		107	%			1.0 04/29/05 18:13	KBS	7194-86-7		
o-Terphenyl (S)		67	%			1.0 04/29/05 18:13	KBS	84-15-1		
Date Extracted		04/26/05				04/26/05				

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	11.		1.1 04/25/05 19:35	DHW			
Aliphatic (C09-C12)		ND	mg/kg	11.		1.1 04/25/05 19:35	DHW			
Aromatic (C09-C10)		ND	mg/kg	11.		1.1 04/25/05 19:35	DHW			
2,5-Dibromotoluene (FID) (S)		102	%			1.0 04/25/05 19:35	DHW			
2,5-Dibromotoluene (PID) (S)		114	%			1.0 04/25/05 19:35	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	110		1.1 05/05/05 20:05	RWS	67-64-1		
Benzene		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	71-43-2		
Bromobenzene		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	108-86-1		
Bromochloromethane		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	74-97-5		
Bromodichloromethane		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	75-27-4		
Bromoform		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	75-25-2		
Bromomethane		ND	ug/kg	11.		1.1 05/05/05 20:05	RWS	74-83-9		
2-Butanone (MEK)		ND	ug/kg	110		1.1 05/05/05 20:05	RWS	78-93-3		
n-Butylbenzene		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	104-51-8		
sec-Butylbenzene		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	135-98-8		
tert-Butylbenzene		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	98-06-6		
Carbon tetrachloride		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	56-23-5		
Chlorobenzene		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	108-90-7		
Chloroethane		ND	ug/kg	11.		1.1 05/05/05 20:05	RWS	75-00-3		
Chloroform		ND	ug/kg	5.4		1.1 05/05/05 20:05	RWS	67-66-3		
Chloromethane		ND	ug/kg	11.		1.1 05/05/05 20:05	RWS	74-87-3		

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Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546350 Project Sample Number: 9292840-009 Date Collected: 04/22/05 15:40
 Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
2-Chlorotoluene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	96-12-8		
Dibromochloromethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	106-93-4		
Dibromomethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	106-46-7		
Dichlorodifluoromethane	28.	ug/kg	11.	1.1	05/05/05 20:05	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	10061-02-6		
Diisopropyl ether	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	108-20-3		
Ethylbenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	87-68-3		
2-Hexanone	ND	ug/kg	54.	1.1	05/05/05 20:05	RWS	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	99-87-6		
Methylene chloride	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.	1.1	05/05/05 20:05	RWS	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	1634-04-4		
Naphthalene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	91-20-3		
n-Propylbenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	103-65-1		
Styrene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	79-34-5		
Tetrachloroethene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	127-18-4		
Toluene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	120-82-1		

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Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

Lab Sample No: 925546350 Project Sample Number: 9292840-009 Date Collected: 04/22/05 15:40
Client Sample ID: EXCAV SW-4 Matrix: Soil Date Received: 04/22/05 16:30

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	79-00-5		
Trichloroethene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	108-67-8		
Vinyl acetate	ND	ug/kg	54.	1.1	05/05/05 20:05	RWS	108-05-4		
Vinyl chloride	ND	ug/kg	11.	1.1	05/05/05 20:05	RWS	75-01-4		
Xylene: (Total)	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	1330-20-7		
m&p-Xylene	ND	ug/kg	11.	1.1	05/05/05 20:05	RWS			
o-Xylene	ND	ug/kg	5.4	1.1	05/05/05 20:05	RWS	95-47-6		
Toluene-d8 (S)	97	%		1.0	05/05/05 20:05	RWS	2037-26-5		
4-Bromofluorobenzene (S)	98	%		1.0	05/05/05 20:05	RWS	460-00-4		
Dibromofluoromethane (S)	92	%		1.0	05/05/05 20:05	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	89	%		1.0	05/05/05 20:05	RWS	17060-07-0		

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Lab Project Number: 9292840
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

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.

Method 9071B modified to use ASE.

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

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] Common laboratory contaminant.

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

QC Batch: 125622
QC Batch Method: EPA 3550
Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

Analysis Method: EPH
Analysis Description: EPH in Soil by Mass. Method

METHOD BLANK: 925556235
Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Aliphatic (C09-C18)	mg/kg	ND	10.	
Aliphatic (C19-C36)	mg/kg	ND	10.	
Aromatic (C11-22)	mg/kg	ND	10.	
2-Fluorobiphenyl (S)	%	67		
2-Bromonaphthalene (S)	%	83		
Nonatriacontane (S)	%	103		
o-Terphenyl (S)	%	65		

LABORATORY CONTROL SAMPLE: 925501546

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aliphatic (C09-C18)	mg/kg	10.00	8.643	86	
Aliphatic (C19-C36)	mg/kg	13.33	13.16	99	
Aromatic (C11-22)	mg/kg	28.33	25.61	90	
2-Fluorobiphenyl (S)				80	
2-Bromonaphthalene (S)				43	
Nonatriacontane (S)				103	
o-Terphenyl (S)				86	

LABORATORY CONTROL SAMPLE: 925524142

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aliphatic (C09-C18)	mg/kg	10.00	8.401	84	
Aliphatic (C19-C36)	mg/kg	13.33	12.41	93	
Aromatic (C11-22)	mg/kg	28.33	23.85	84	
2-Fluorobiphenyl (S)				76	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925524142

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
2-Bromonaphthalene (S)				16	1
Nonatriacontane (S)				124	
o-Terphenyl (S)				84	

LABORATORY CONTROL SAMPLE: 925556243

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aliphatic (C09-C18)	mg/kg	10.00	8.374	84	
Aliphatic (C19-C36)	mg/kg	13.33	11.31	85	
Aromatic (C11-22)	mg/kg	28.33	20.27	72	
2-Fluorobiphenyl (S)				78	
2-Bromonaphthalene (S)				56	
Nonatriacontane (S)				90	
o-Terphenyl (S)				81	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925501553 925501561

Parameter	Units	925496036	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Aliphatic (C09-C18)	mg/kg	1.246	11.68	9.116	9.196	67	68	1	
Aliphatic (C19-C36)	mg/kg	0.3592	15.58	15.16	12.90	95	80	16	
Aromatic (C11-22)	mg/kg	0	33.10	32.28	33.66	98	102	4	
2-Fluorobiphenyl (S)						85	95		
2-Bromonaphthalene (S)						59	47		
Nonatriacontane (S)						94	80		
o-Terphenyl (S)						93	99		

SAMPLE DUPLICATE: 925501579

Parameter	Units	925496044	DUP	RPD	Footnotes
		Result	Result		
Aliphatic (C09-C18)	mg/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

SAMPLE DUPLICATE: 925501579

Parameter	Units	925496044	DUP	RPD	Footnotes
		Result	Result		
Aliphatic (C19-C36)	mg/kg	ND	ND	NC	
Aromatic (C11-22)	mg/kg	ND	ND	NC	
2-Fluorobiphenyl (S)	%	100	83		
2-Bromonaphthalene (S)	%	89	44		
Nonatriacontane (S)	%	90	95		
o-Terphenyl (S)	%	103	84		

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WMS#32179

QC Batch: 126537 Analysis Method: VPH
QC Batch Method: VPH Analysis Description: VPH in Soil by Mass. Method
Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

METHOD BLANK: 925550527
Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

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)	%	111		
2,5-Dibromotoluene (PID) (S)	%	107		

LABORATORY CONTROL SAMPLE & LCSD: 925550535 925550543

Parameter	Units	Spike	LCS	LCSD	LCS	LCSD	RPD	Footnotes
		Conc.	Result	Result	% Rec	% Rec		
Aliphatic (C05-C08)	mg/kg	20.00	23.23	22.71	116	114	2	
Aliphatic (C09-C12)	mg/kg	5.000	6.087	5.924	122	118	3	
Aromatic (C09-C10)	mg/kg	5.000	5.838	5.637	117	113	4	
2,5-Dibromotoluene (FID) (S)					126	111		
2,5-Dibromotoluene (PID) (S)					126	111		

SAMPLE DUPLICATE: 925550550

Parameter	Units	925546319	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)	%	93	99		
2,5-Dibromotoluene (PID) (S)	%	99	102		

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

QC Batch: 126853 Analysis Method: EPA 8015
QC Batch Method: EPA 8015 Analysis Description: GAS, Soil, North Carolina
Associated Lab Samples: 925546277 925546285 925546293

METHOD BLANK: 925565103
Associated Lab Samples: 925546277 925546285 925546293

<u>Parameter</u>	<u>Units</u>	<u>Blank Result</u>	<u>Reporting Limit</u>	<u>Footnotes</u>
Gasoline	mg/kg	ND	5.0	
4-Bromofluorobenzene (S)	%	79		

LABORATORY CONTROL SAMPLE: 925565111

<u>Parameter</u>	<u>Units</u>	<u>Spike Conc.</u>	<u>LCS Result</u>	<u>LCS % Rec</u>	<u>Footnotes</u>
Gasoline	mg/kg	25.00	27.59	110	
4-Bromofluorobenzene (S)				82	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925565129 925565137

<u>Parameter</u>	<u>Units</u>	<u>925546517 Result</u>	<u>Spike Conc.</u>	<u>MS Result</u>	<u>MSD Result</u>	<u>MS % Rec</u>	<u>MSD % Rec</u>	<u>RPD</u>	<u>Footnotes</u>
Gasoline	mg/kg	0.5885	25.97	26.08	20.66	98	77	23	
4-Bromofluorobenzene (S)						90	78		

SAMPLE DUPLICATE: 925565145

<u>Parameter</u>	<u>Units</u>	<u>925546434 Result</u>	<u>DUP Result</u>	<u>RPD</u>	<u>Footnotes</u>
Gasoline	mg/kg	ND	ND	NC	
4-Bromofluorobenzene (S)	%	89	87		

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

QC Batch: 126443
QC Batch Method: EPA 3545
Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

Analysis Method: EPA 8270
Analysis Description: Semivolatile Organics

METHOD BLANK: 925556581
Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

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

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

METHOD BLANK: 925556581

Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Di-n-butylphthalate	ug/kg	ND	330	
4,6-Dinitro-2-methylphenol	ug/kg	ND	330	
2,4-Dinitrophenol	ug/kg	ND	1600	
2,4-Dinitrotoluene	ug/kg	ND	330	
2,6-Dinitrotoluene	ug/kg	ND	330	
Di-n-octylphthalate	ug/kg	ND	330	
1,2-Diphenylhydrazine	ug/kg	ND	330	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	
Fluoranthene	ug/kg	ND	330	
Fluorene	ug/kg	ND	330	
Hexachloro-1,3-butadiene	ug/kg	ND	330	
Hexachlorobenzene	ug/kg	ND	330	
Hexachlorocyclopentadiene	ug/kg	ND	330	
Hexachloroethane	ug/kg	ND	330	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	
Isophorone	ug/kg	ND	330	
1-Methylnaphthalene	ug/kg	ND	330	
2-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)	%	62		

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QUALITY CONTROL DATA

Lab Project Number: 9292840

Client Project ID: Row-131/WBS#32179

METHOD BLANK: 925556581

Associated Lab Samples: 925546319 925546327 925546335 925546343 925546350

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
2-Fluorobiphenyl (S)	%	68		
Terphenyl-d14 (S)	%	72		
Phenol-d5 (S)	%	63		
2-Fluorophenol (S)	%	65		
2,4,6-Tribromophenol (S)	%	76		

LABORATORY CONTROL SAMPLE: 925546152

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acenaphthene	ug/kg	1667.00	1328	80	
Acenaphthylene	ug/kg	1667.00	1373	82	
Anthracene	ug/kg	1667.00	1467	88	
Benzo(k)fluoranthene	ug/kg	1667.00	1498	90	
Benzo(b)fluoranthene	ug/kg	1667.00	1425	86	
Benzo(a)anthracene	ug/kg	1667.00	1432	86	
Benzo(g,h,i)perylene	ug/kg	1667.00	1324	80	
Benzyl alcohol	ug/kg	1667.00	1454	87	
Benzo(a)pyrene	ug/kg	1667.00	1476	88	
4-Bromophenylphenyl ether	ug/kg	1667.00	1470	88	
Butylbenzylphthalate	ug/kg	1667.00	1427	86	
4-Chloroaniline	ug/kg	1667.00	1295	78	
bis(2-Chloroethoxy)methane	ug/kg	1667.00	1244	75	
bis(2-Chloroethyl) ether	ug/kg	1667.00	1221	73	
bis(2-Chloroisopropyl) ether	ug/kg	1667.00	1271	76	
2-Chloronaphthalene	ug/kg	1667.00	1334	80	
4-Chlorophenylphenyl ether	ug/kg	1667.00	1429	86	
Chrysene	ug/kg	1667.00	1396	84	
Dibenz(a,h)anthracene	ug/kg	1667.00	1360	82	
Dibenzofuran	ug/kg	1667.00	1396	84	
1,2-Dichlorobenzene	ug/kg	1667.00	1204	72	
1,3-Dichlorobenzene	ug/kg	1667.00	1196	72	
1,4-Dichlorobenzene	ug/kg	1667.00	1194	72	
3,3'-Dichlorobenzidine	ug/kg	3333.00	1361	41	
Diethylphthalate	ug/kg	1667.00	1425	86	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925546152

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Dimethylphthalate	ug/kg	1667.00	1425	86	
Di-n-butylphthalate	ug/kg	1667.00	1472	88	
2,4-Dinitrotoluene	ug/kg	1667.00	1419	85	
2,6-Dinitrotoluene	ug/kg	1667.00	1445	87	
Di-n-octylphthalate	ug/kg	1667.00	1477	89	
1,2-Diphenylhydrazine	ug/kg	1667.00	1204	72	
bis(2-Ethylhexyl)phthalate	ug/kg	1667.00	1457	87	
Fluoranthene	ug/kg	1667.00	1442	86	
Fluorene	ug/kg	1667.00	1362	82	
Hexachloro-1,3-butadiene	ug/kg	1667.00	1218	73	
Hexachlorobenzene	ug/kg	1667.00	1484	89	
Hexachlorocyclopentadiene	ug/kg	1667.00	1061	64	
Hexachloroethane	ug/kg	1667.00	1178	71	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	1337	80	
Isophorone	ug/kg	1667.00	1344	81	
2-Methylnaphthalene	ug/kg	1667.00	1277	77	
Naphthalene	ug/kg	1667.00	1211	73	
2-Nitroaniline	ug/kg	1667.00	1229	74	
3-Nitroaniline	ug/kg	1667.00	1281	77	
4-Nitroaniline	ug/kg	1667.00	1493	90	
Nitrobenzene	ug/kg	1667.00	1244	75	
N-Nitroso-di-n-propylamine	ug/kg	1667.00	1253	75	
N-Nitrosodiphenylamine	ug/kg	1667.00	1516	91	
Phenanthrene	ug/kg	1667.00	1401	84	
Pyrene	ug/kg	1667.00	1357	81	
1,2,4-Trichlorobenzene	ug/kg	1667.00	1220	73	
Nitrobenzene-d5 (S)				72	
2-Fluorobiphenyl (S)				82	
Terphenyl-d14 (S)				86	

LABORATORY CONTROL SAMPLE: 925556599

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acenaphthene	ug/kg	1667.00	1265	76	
Acenaphthylene	ug/kg	1667.00	1286	77	

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Charlotte Certification IDs
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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925556599

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Anthracene	ug/kg	1667.00	1326	80	
Benzo(k)fluoranthene	ug/kg	1667.00	1762	106	
Benzo(b)fluoranthene	ug/kg	1667.00	1489	89	
Benzo(a)anthracene	ug/kg	1667.00	1328	80	
Benzoic acid	ug/kg	1667.00	381.2	23	
Benzo(g,h,i)perylene	ug/kg	1667.00	558.5	34	
Benzyl alcohol	ug/kg	1667.00	1371	82	
Benzo(a)pyrene	ug/kg	1667.00	1388	83	
4-Bromophenylphenyl ether	ug/kg	1667.00	1345	81	
Butylbenzylphthalate	ug/kg	1667.00	1302	78	
4-Chloro-3-methylphenol	ug/kg	1667.00	1468	88	
4-Chloroaniline	ug/kg	1667.00	1274	76	
bis(2-Chloroethoxy)methane	ug/kg	1667.00	1177	71	
bis(2-Chloroethyl) ether	ug/kg	1667.00	1059	64	
bis(2-Chloroisopropyl) ether	ug/kg	1667.00	1055	63	
2-Chloronaphthalene	ug/kg	1667.00	1287	77	
2-Chlorophenol	ug/kg	1667.00	1182	71	
4-Chlorophenylphenyl ether	ug/kg	1667.00	1339	80	
Chrysene	ug/kg	1667.00	1258	76	
Dibenz(a,h)anthracene	ug/kg	1667.00	653.2	39	
Dibenzofuran	ug/kg	1667.00	1299	78	
1,2-Dichlorobenzene	ug/kg	1667.00	1103	66	
1,3-Dichlorobenzene	ug/kg	1667.00	1081	65	
1,4-Dichlorobenzene	ug/kg	1667.00	1083	65	
3,3'-Dichlorobenzidine	ug/kg	3333.00	1062	32	
2,4-Dichlorophenol	ug/kg	1667.00	1307	78	
Diethylphthalate	ug/kg	1667.00	1316	79	
2,4-Dimethylphenol	ug/kg	1667.00	1289	77	
Dimethylphthalate	ug/kg	1667.00	1324	79	
Di-n-butylphthalate	ug/kg	1667.00	1316	79	
4,6-Dinitro-2-methylphenol	ug/kg	1667.00	1308	78	
2,4-Dinitrophenol	ug/kg	1667.00	996.0	60	
2,4-Dinitrotoluene	ug/kg	1667.00	1308	78	
2,6-Dinitrotoluene	ug/kg	1667.00	1338	80	
Di-n-octylphthalate	ug/kg	1667.00	991.5	60	
1,2-Diphenylhydrazine	ug/kg	1667.00	1054	63	
bis(2-Ethylhexyl)phthalate	ug/kg	1667.00	1214	73	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925556599

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Fluoranthene	ug/kg	1667.00	1347	81	
Fluorene	ug/kg	1667.00	1309	78	
Hexachloro-1,3-butadiene	ug/kg	1667.00	1129	68	
Hexachlorobenzene	ug/kg	1667.00	1363	82	
Hexachlorocyclopentadiene	ug/kg	1667.00	1094	66	
Hexachloroethane	ug/kg	1667.00	1039	62	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	668.9	40	
Isophorone	ug/kg	1667.00	1263	76	
2-Methylnaphthalene	ug/kg	1667.00	1254	75	
2-Methylphenol (o-Cresol)	ug/kg	1667.00	1237	74	
3&4-Methylphenol	ug/kg	1667.00	1311	79	
Naphthalene	ug/kg	1667.00	1150	69	
2-Nitroaniline	ug/kg	1667.00	1147	69	
3-Nitroaniline	ug/kg	1667.00	1166	70	
4-Nitroaniline	ug/kg	1667.00	1371	82	
Nitrobenzene	ug/kg	1667.00	1109	67	
2-Nitrophenol	ug/kg	1667.00	1212	73	
4-Nitrophenol	ug/kg	1667.00	1241	74	
N-Nitroso-di-n-propylamine	ug/kg	1667.00	1104	66	
N-Nitrosodiphenylamine	ug/kg	1667.00	1392	84	
Pentachlorophenol	ug/kg	1667.00	1564	94	
Phenanthrene	ug/kg	1667.00	1279	77	
Phenol	ug/kg	1667.00	1144	69	
Pyrene	ug/kg	1667.00	1270	76	
1,2,4-Trichlorobenzene	ug/kg	1667.00	1169	70	
2,4,5-Trichlorophenol	ug/kg	1667.00	1478	89	
2,4,6-Trichlorophenol	ug/kg	1667.00	1417	85	
Nitrobenzene-d5 (S)				66	
2-Fluorobiphenyl (S)				82	
Terphenyl-d14 (S)				81	
Phenol-d5 (S)				69	
2-Fluorophenol (S)				67	
2,4,6-Tribromophenol (S)				99	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925546178 925546186

Parameter	Units	925542508	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Acenaphthene	ug/kg	0	2145.00	1162	1329	54	62	13	
1,4-Dichlorobenzene	ug/kg		2145.00	195.9	817.3			123	2,3
2,4-Dinitrotoluene	ug/kg		2145.00	1659	1769			6	
N-Nitroso-di-n-propylamine	ug/kg		2145.00	771.0	1074			33	4
Pyrene	ug/kg	0	2145.00	1282	1360	60	63	6	
1,2,4-Trichlorobenzene	ug/kg		2145.00	516.4	931.6			57	4
Nitrobenzene-d5 (S)						26	47		
2-Fluorobiphenyl (S)						42	57		
Terphenyl-d14 (S)						51	62		

SAMPLE DUPLICATE: 925546160

Parameter	Units	925542490	DUP	RPD	Footnotes
		Result	Result		
Acenaphthene	ug/kg	ND	ND	NC	
Acenaphthylene	ug/kg	ND	ND	NC	
Anthracene	ug/kg	ND	ND	NC	
Benzo(a)anthracene	ug/kg	ND	ND	NC	
Benzo(a)pyrene	ug/kg	ND	ND	NC	
Benzo(b)fluoranthene	ug/kg	ND	ND	NC	
Benzo(g,h,i)perylene	ug/kg	ND	ND	NC	
Benzo(k)fluoranthene	ug/kg	ND	ND	NC	
Chrysene	ug/kg	ND	ND	NC	
Dibenz(a,h)anthracene	ug/kg	ND	ND	NC	
Fluoranthene	ug/kg	ND	ND	NC	
Fluorene	ug/kg	ND	ND	NC	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	
Phenanthrene	ug/kg	ND	ND	NC	
Pyrene	ug/kg	ND	ND	NC	
Nitrobenzene-d5 (S)	%	49	60		
2-Fluorobiphenyl (S)	%	49	60		
Terphenyl-d14 (S)	%	52	42		
2-Methylnaphthalene	ug/kg		ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

QC Batch: 127161 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs 5035/8260 low level
Associated Lab Samples: 925546319 925546327 925546335 925546343

METHOD BLANK: 925579740
Associated Lab Samples: 925546319 925546327 925546335 925546343

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

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

METHOD BLANK: 925579740

Associated Lab Samples: 925546319 925546327 925546335 925546343

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
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: 9292840
Client Project ID: Row-131/WBS#32179

METHOD BLANK: 925579740
Associated Lab Samples: 925546319 925546327 925546335 925546343

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Toluene-d8 (S)	%	103		
4-Bromofluorobenzene (S)	%	95		
Dibromofluoromethane (S)	%	98		
1,2-Dichloroethane-d4 (S)	%	97		

LABORATORY CONTROL SAMPLE: 925579757

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Acetone	ug/kg	100.00	100.1	100	
Benzene	ug/kg	50.00	48.56	97	
Bromobenzene	ug/kg	50.00	48.96	98	
Bromochloromethane	ug/kg	50.00	45.52	91	
Bromodichloromethane	ug/kg	50.00	47.65	95	
Bromoform	ug/kg	50.00	49.14	98	
Bromomethane	ug/kg	50.00	51.26	103	
2-Butanone (MEK)	ug/kg	100.00	96.86	97	
n-Butylbenzene	ug/kg	50.00	41.83	84	
sec-Butylbenzene	ug/kg	50.00	43.94	88	
tert-Butylbenzene	ug/kg	50.00	42.71	85	
Carbon tetrachloride	ug/kg	50.00	47.86	96	
Chlorobenzene	ug/kg	50.00	46.79	94	
Chloroethane	ug/kg	50.00	50.01	100	
Chloroform	ug/kg	50.00	43.90	88	
Chloromethane	ug/kg	50.00	43.29	87	
2-Chlorotoluene	ug/kg	50.00	44.04	88	
4-Chlorotoluene	ug/kg	50.00	44.20	88	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	44.26	88	
Dibromochloromethane	ug/kg	50.00	47.38	95	
1,2-Dibromoethane (EDB)	ug/kg	50.00	48.47	97	
Dibromomethane	ug/kg	50.00	49.18	98	
1,2-Dichlorobenzene	ug/kg	50.00	43.23	86	
1,3-Dichlorobenzene	ug/kg	50.00	44.20	88	
1,4-Dichlorobenzene	ug/kg	50.00	43.96	88	
Dichlorodifluoromethane	ug/kg	50.00	46.23	92	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925579757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1-Dichloroethane	ug/kg	50.00	46.94	94	
1,2-Dichloroethane	ug/kg	50.00	43.73	88	
1,1-Dichloroethene	ug/kg	50.00	49.59	99	
cis-1,2-Dichloroethene	ug/kg	50.00	45.87	92	
trans-1,2-Dichloroethene	ug/kg	50.00	45.44	91	
1,2-Dichloropropane	ug/kg	50.00	47.40	95	
1,3-Dichloropropane	ug/kg	50.00	46.04	92	
2,2-Dichloropropane	ug/kg	50.00	46.95	94	
1,1-Dichloropropene	ug/kg	50.00	45.16	90	
cis-1,3-Dichloropropene	ug/kg	50.00	46.54	93	
trans-1,3-Dichloropropene	ug/kg	50.00	46.75	94	
Diisopropyl ether	ug/kg	50.00	45.38	91	
Ethylbenzene	ug/kg	50.00	47.22	94	
Hexachloro-1,3-butadiene	ug/kg	50.00	46.20	92	
2-Hexanone	ug/kg	100.00	83.67	84	
Isopropylbenzene (Cumene)	ug/kg	50.00	49.48	99	
p-Isopropyltoluene	ug/kg	50.00	41.63	83	
Methylene chloride	ug/kg	50.00	47.18	94	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	100.4	100	
Methyl-tert-butyl ether	ug/kg	50.00	45.49	91	
Naphthalene	ug/kg	50.00	42.36	85	
n-Propylbenzene	ug/kg	50.00	44.64	89	
Styrene	ug/kg	50.00	48.05	96	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	46.78	94	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	46.26	92	
Tetrachloroethene	ug/kg	50.00	46.92	94	
Toluene	ug/kg	50.00	47.51	95	
1,2,3-Trichlorobenzene	ug/kg	50.00	48.32	97	
1,2,4-Trichlorobenzene	ug/kg	50.00	48.51	97	
1,1,1-Trichloroethane	ug/kg	50.00	44.14	88	
1,1,2-Trichloroethane	ug/kg	50.00	47.64	95	
Trichloroethene	ug/kg	50.00	47.17	94	
Trichlorofluoromethane	ug/kg	50.00	48.49	97	
1,2,3-Trichloropropane	ug/kg	50.00	46.58	93	
1,2,4-Trimethylbenzene	ug/kg	50.00	40.52	81	
1,3,5-Trimethylbenzene	ug/kg	50.00	40.09	80	
Vinyl acetate	ug/kg	100.00	189.6	190	5

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925579757

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Vinyl chloride	ug/kg	50.00	44.37	89	
Xylene (Total)	ug/kg	150.00	139.8	93	
m&p-Xylene	ug/kg	100.00	94.28	94	
o-Xylene	ug/kg	50.00	45.55	91	
Toluene-d8 (S)				102	
4-Bromofluorobenzene (S)				101	
Dibromofluoromethane (S)				95	
1,2-Dichloroethane-d4 (S)				91	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

METHOD BLANK: 925595043
Associated Lab Samples: 925546350

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
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: 9292840
Client Project ID: Row-131/WBS#32179

METHOD BLANK: 925595043
Associated Lab Samples: 925546350

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Toluene-d8 (S)	%	99		
4-Bromofluorobenzene (S)	%	99		
Dibromofluoromethane (S)	%	96		
1,2-Dichloroethane-d4 (S)	%	96		

LABORATORY CONTROL SAMPLE: 925595050

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/kg	100.00	74.12	74	
Benzene	ug/kg	50.00	53.15	106	
Bromobenzene	ug/kg	50.00	53.50	107	
Bromochloromethane	ug/kg	50.00	51.07	102	
Bromodichloromethane	ug/kg	50.00	51.88	104	
Bromoform	ug/kg	50.00	48.62	97	
Bromomethane	ug/kg	50.00	46.48	93	
2-Butanone (MEK)	ug/kg	100.00	82.09	82	
n-Butylbenzene	ug/kg	50.00	49.13	98	
sec-Butylbenzene	ug/kg	50.00	54.40	109	
tert-Butylbenzene	ug/kg	50.00	53.51	107	
Carbon tetrachloride	ug/kg	50.00	54.81	110	
Chlorobenzene	ug/kg	50.00	52.42	105	
Chloroethane	ug/kg	50.00	44.43	89	
Chloroform	ug/kg	50.00	53.01	106	
Chloromethane	ug/kg	50.00	41.36	83	
2-Chlorotoluene	ug/kg	50.00	53.71	107	
4-Chlorotoluene	ug/kg	50.00	52.45	105	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	49.61	99	
Dibromochloromethane	ug/kg	50.00	51.38	103	
1,2-Dibromoethane (EDB)	ug/kg	50.00	50.58	101	
Dibromomethane	ug/kg	50.00	49.04	98	
1,2-Dichlorobenzene	ug/kg	50.00	51.59	103	
1,3-Dichlorobenzene	ug/kg	50.00	51.56	103	
1,4-Dichlorobenzene	ug/kg	50.00	50.92	102	
Dichlorodifluoromethane	ug/kg	50.00	37.94	76	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
 Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925595050

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
1,1-Dichloroethane	ug/kg	50.00	51.99	104	
1,2-Dichloroethane	ug/kg	50.00	47.33	95	
1,1-Dichloroethene	ug/kg	50.00	56.27	113	
cis-1,2-Dichloroethene	ug/kg	50.00	52.91	106	
trans-1,2-Dichloroethene	ug/kg	50.00	54.06	108	
1,2-Dichloropropane	ug/kg	50.00	50.99	102	
1,3-Dichloropropane	ug/kg	50.00	49.59	99	
2,2-Dichloropropane	ug/kg	50.00	53.22	106	
1,1-Dichloropropene	ug/kg	50.00	53.00	106	
cis-1,3-Dichloropropene	ug/kg	50.00	49.65	99	
trans-1,3-Dichloropropene	ug/kg	50.00	48.93	98	
Diisopropyl ether	ug/kg	50.00	52.91	106	
Ethylbenzene	ug/kg	50.00	53.61	107	
Hexachloro-1,3-butadiene	ug/kg	50.00	60.08	120	
2-Hexanone	ug/kg	100.00	85.59	86	
Isopropylbenzene (Cumene)	ug/kg	50.00	57.86	116	
p-Isopropyltoluene	ug/kg	50.00	49.68	99	
Dichloroethylene chloride	ug/kg	50.00	50.15	100	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	85.26	85	
Methyl-tert-butyl ether	ug/kg	50.00	50.72	101	
Naphthalene	ug/kg	50.00	46.84	94	
n-Propylbenzene	ug/kg	50.00	54.52	109	
Styrene	ug/kg	50.00	53.14	106	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	52.63	105	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	47.72	95	
Tetrachloroethene	ug/kg	50.00	52.40	105	
Toluene	ug/kg	50.00	51.97	104	
1,2,3-Trichlorobenzene	ug/kg	50.00	58.76	118	
1,2,4-Trichlorobenzene	ug/kg	50.00	54.74	109	
1,1,1-Trichloroethane	ug/kg	50.00	53.11	106	
1,1,2-Trichloroethane	ug/kg	50.00	49.62	99	
Trichloroethene	ug/kg	50.00	52.85	106	
Trichlorofluoromethane	ug/kg	50.00	50.52	101	
1,2,3-Trichloropropane	ug/kg	50.00	47.15	94	
1,2,4-Trimethylbenzene	ug/kg	50.00	48.89	98	
1,3,5-Trimethylbenzene	ug/kg	50.00	48.73	98	
Vinyl acetate	ug/kg	100.00	80.65	81	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

LABORATORY CONTROL SAMPLE: 925595050

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Vinyl chloride	ug/kg	50.00	41.82	84	
Xylene (Total)	ug/kg	150.00	158.3	106	
m&p-Xylene	ug/kg	100.00	106.4	106	
o-Xylene	ug/kg	50.00	51.89	104	
Toluene-d8 (S)				100	
4-Bromofluorobenzene (S)				101	
Dibromofluoromethane (S)				98	
1,2-Dichloroethane-d4 (S)				96	

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QUALITY CONTROL DATA

Lab Project Number: 9292840
Client Project ID: Row-131/WBS#32179

QC Batch: 126769
QC Batch Method:
Associated Lab Samples: 925546327 925546335 925546343 925546350
Analysis Method: % Moisture
Analysis Description: Percent Moisture

SAMPLE DUPLICATE: 925561003

Parameter	Units	92555716	DUP	RPD	Footnotes
		Result	Result		
Percent Moisture	%	13.00	12.30	6	

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Lab Project Number: 9292840
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
- [1] Surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining surrogate.
- [2] The surrogate and/or spike recovery was outside acceptance limits.
- [3] The calculated RPD was outside QC acceptance limits.
- [4] RPD value was outside control limits, however both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- [5] Recovery falls outside of QC limits, however, this compound is not found in the associated samples.

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