

Remid # 31953

MPS Shaw & Associates, PC.

UNDERGROUND STORAGE TANK CLOSURE REPORT

The closure report should contain, at a minimum, the following information. Any other information that is pertinent to the site should be included.

I. General Information

A. Ownership of UST(s)

1. Name of UST owner:

The Panty, Inc.

2. Owner address and telephone number:

P. O. Box 1410
Sanford, North Carolina 27330
(919) 774-6700

B. Facility Information

1. Facility name:

The Panty # 832

2. Facility ID #:

0-031447

3. Facility address, telephone number and county:

501 Memorial Drive
Greenville, North Carolina
No Phone # (No Longer In Service)
Pitt County

Received
Ware DVM
JAN 28 2009

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

Mr. Brent Puzak
Director Gasoline Environmental

The Panty, Inc.
P. O. Box 1410
Sanford, North Carolina 27330
(919) 774-6700

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

Bass Electric Company, Inc.
1548 South Church Street
Rocky Mount, NC 27803
(252) 446-2037

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

Michael D. Shaw, L.G.
M D Shaw & Associates, P.C.
8501 Foxtail Lane
Huntersville, North Carolina 28078
(704) 578-5974

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

ENCO
102-A Woodwinds Industrial Court
Cary, NC 27511
(919) 467-3090
Certification Number: 336

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The site and surrounding area are supplied by the City of Greenville public water supply. There are no known water supply wells in the area. The closest surface water body to the site is the Tar River, 2,200 feet to the north.

5. Describe the results of the receptor survey (water wells, basements, etc. within 1,500 feet of the facility).

The site is located within the Yorktown formation of the Coastal Plain, according to the Geologic Map of North Carolina (Brown, et al., 1985).

4. Describe site geology/hydrogeology:

The site is located within the Greenville City Limits and is surrounded by commercial properties and residential properties.

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

The facility is currently an inactive retail gasoline and convenience store. The UST system was taken out of operation in September 25, 2008.

2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation:

No documented prior releases at the site.

1. Describe any past releases at this site:

E. Site Characteristics

Tank no.	Installation dates	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents (if any)
1	06/30/89	10,000	8'0" x 26'0"	Gasoline	None known
2	06/30/89	10,000	8'0" x 26'0"	Gasoline	None known
3	06/30/89	10,000	8'0" x 26'0"	Gasoline	None known

D. UST Information

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On December 15 and 16, 2008, a track-hoe was used to remove the fill material over and around the USTs. The dimensions of the UST excavation were approximately 28' x 24' x 11'.

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

D. Excavation
Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" on limiting excavations. The Trust Fund will not pay for excessive excavation unless it is justified and verified by laboratory results.

C. Describe the storage, sampling and disposal of the residual material:
The residual gasoline / water mixture was disposed of by P&F.

B. Note the amount of residual material pumped from the tank(s):
P&F Environmental, Inc. (P&F) removed the residual gasoline / water mixture from the USTs prior to abandonment and removal. MDSA was not supplied with the Liquids Waste Manifests.

A. Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks.
Prior to the removal of USTs, a Notification for Permanent Closure (GW/UST-3) was filed with the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM), Raleigh Regional Office by The Pantry, Inc., and is included in Appendix A. The local fire Marshall was also notified and all proper fire permits were obtained by Bass Electric, Inc.
On December 16, 2008, the USTs were emptied and purged prior to removal procedures. Explosive gas levels inside each UST were measured with a Mine Safety Equipment Company Model 2A Portable Gas Monitor. Once an explosive gas level lower than 10% was obtained in a tank, the UST was removed. A Site Investigation Report for Permanent Closure (GW/UST-2) form is included in Appendix B. A Certificate of Tank Disposal is included in Appendix C.

Liquid Manifests *

II. Closure Procedures

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- Note the depth of tank burial(s) (from land surface to top of tank):
The USTs were buried approximately 3 feet below land surface (bls).

3. Quantity of soil removed:

Based on the shallow groundwater at the site, only enough soil was excavated in order to remove the USTs. 16.0 tons of soil was excavated and properly disposed from the area beneath a dispenser at the site. The soil was disposed of by P&F.

- 16 tons soil excavated

4. Describe soil type(s):

The USTs were surrounded by gravel backfill. There was 3 to 4 feet of sand fill beneath the USTs. The native material beneath the fill was sand.

5. Type and source of backfill used:

The overburden soil, gravel and imported sand backfill were used to bring the UST excavations to surrounding grade. Subsequent to backfilling the excavation, approximately 4 inches of concrete was used to finish the grade.

E. Contaminated Soil

Note: Suspected contaminated soil should be segregated from soil that appears to be uncontaminated and should be treated as contaminated until proven otherwise. It should not be used as backfill.

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

Based on the shallow groundwater (9.4 feet) NCDENR guidelines did not permit excavation at the site in the UST pit.

GW - 9.4 ft

Contaminated soil was removed from beneath one dispenser location based on obvious signs of contamination and elevated photoionization detector (PID) readings. The soil was excavated to a depth of eight feet below grade. Excavation was concluded based on low PID readings (Figure 3).

Excavated to 8' bls

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

Approximately 16.0 tons of soil was excavated, direct loaded onto trucks and properly disposed. The soil was disposed of by P&F.

III. Site investigation

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

Soil samples were collected from the undisturbed portion of soil in the track-hoe bucket. Each sample was used to submit to the laboratory for analysis.

B. Describe soil sampling points and sampling procedures used, including:
Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.

On December 15 through 18, 2008, thirty five soil samples were collected from the perimeter of the UST bed, below the dispensers and product lines. Groundwater at the site was at a depth of 9.5-feet below grade, so UST samples were collected from a depth of 9-feet around the perimeter of the UST pit. Dispenser soil samples were collected from a depth of 1 foot below grade and product line soil samples were collected from a depth of 4 feet below grade.

On December 18, 2009, subsequent to excavation activities from beneath the former dispenser location, MSDA collected five soil samples from the sidewalls (EX-1 through EX-4) and base (EX-5). The resulting excavation measured approximately 4 feet x 8 feet x 8 feet in depth.

Soil samples S-1 through S-35 was submitted for laboratory analysis by EPA method 8015 with sample preparation 5030 (total petroleum hydrocarbons (TPH) as gasoline). Soil samples EX-1 through EX-5 was submitted laboratory analysis by EPA 8260B and MADEP VPH.

Analytical results of each soil sample collected indicate TPH as gasoline was not detected at a concentration above the Division of Waste Management (DWM) Reportable Concentration. Analytical results of groundwater sample MW-1 indicate petroleum constituents were detected above the North Carolina 2L Groundwater Quality Standards (NC2LQWS), with benzene concentrations of 137 µg/kg.

E. Investigation results

Analytical results of each soil sample collected indicate TPH as gasoline was not detected at a concentration above the Division of Waste Management (DWM) Reportable Concentration. Analytical results of groundwater sample MW-1 indicate petroleum constituents were detected above the North Carolina 2L Groundwater Quality Standards (NC2LQWS), with benzene concentrations of 137 µg/kg.

D. Quality control measures

On December 30, 2008 MDSA mobilized to The Panty #832 to sample the groundwater monitoring well MW-1, installed as part of the UST closure. A groundwater sample was collected after purging three times the water volume of the well using a electric pump. The groundwater sample was then collected with a new disposable bailer and poured into laboratory provided glass containers with appropriate preservatives. The samples were then shipped to a NC certified laboratory in a chilled cooler following proper chain of custody procedures.

← No mention of free product

Groundwater was encountered at a depth of 9.5-feet below grade. On December 29, 2009 MDSA mobilized to the site to install one monitoring well. Subsurface Environmental Investigations, Inc. (SEI), under MDSA supervision, used a Geoprobe® to direct push 3 inch hollow stem drill rods to a depth of 20 feet below grade to install the monitoring well. A monitoring well diagram, boring log and Well Construction Record is included Appendix E.

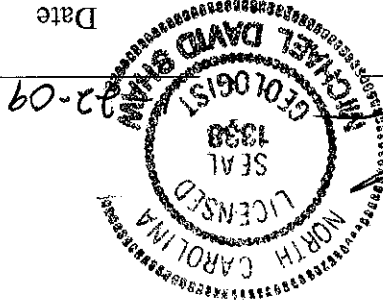
G-11 Groundwater 9.5'

C. Describe groundwater or surface water sampling procedures used, including:
Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.

MPS Shaw & Associates, PC.

Michael D. Shaw, L.G.
M D Shaw & Associates, P.C.
8501 Foxtail Lane
Huntersville, North Carolina 28078

Date



Professional Engineer Registration #: 1338
Licensed Geologist License #: 1338

V. Signature of Professional Engineer or Licensed Geologist

Laboratory analysis of soil samples S-1 through S-35 did not detect gasoline range TPH above the North Carolina Action Level.
Laboratory analysis of groundwater sample MW-1 detected petroleum constitutes above the North Carolina 2L Groundwater Quality Standard.
Based on laboratory data NCDENR will require a Phase I Limited Site Assessment (LSA) be performed at the site.

IV. Conclusions

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MPSHOW & ASSOCIATES, P.C.

VI. Enclosures

A. Figures

1. Area Map (can be USGS Topographic (Quadrangle) showing:
 - Adjacent streets, roads, highways with names and numbers
 - Buildings
 - Known distance to public water supply well(s)
 - Distance to known private water supply well(s)
 - Surface water bodies
 - Groundwater flow direction (if available)
 - Scale
 - North arrow

2. Site map of UST excavation drawn to scale, showing:
 - Buildings
 - Underground utilities such as sewer lines and other conduits
 - Orientation of UST(s), pumps, and product lines
 - Length, diameter and volume of USTs
 - Type of material(s) stored in USTs (currently and previously)
 - Sample locations (identified by letter or number)
 - Final limits of excavation
 - North arrow
 - Scale

3. Maps depicting analytical results, to include:
 - Orientation of UST(s), pumps, and product lines
 - Sample locations, depths, and identifications
 - Analytical results
 - Final limits of excavation(s)

B. Tables

- B-3. Soil Sample Results
- B-4. Groundwater Sample Results

C. Appendices

- Appendix A: Notification of Intent to Close (GW/UST-3)
- Appendix B: Site Investigation Report for Permanent Closure or Change-in-Service of UST (GW/UST-2)
- Appendix C: Certificate of Tank Disposal, Soil Disposal Certificates
- Appendix D: Copy of Laboratory Analytical Report and Chain-of-Custody Form
- Appendix E: Well Construction Record and Monitoring Well Diagram

Table B-a Summary of Soil Sampling Results
 Revision Date: 01/08/2009 Incident Number and Name: The Pentry #8332
 Analytical Method(s): VOC by EPA 8260J

Facility ID# 0091147
 MADEP VPH

EPA Method 8260B

Sample ID	Date Collected	Source Area	Sample Depth (ft BGS)	Incident Phase	TPH GRO	VPH C5-C8 Aliphatics	VPH C9-C12 Aliphatics	VPH C9-C10 Aromatics	Benzene	n-Butylbenzene	Ethylbenzene	Naphthalene	n-propylbenzene	Toluene	1,2,4-Trimethylbenzene	Xylenes, Total
S-1	12/15/2008	Dispenser	1	UST Removal	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-2	12/15/2008	Dispenser	1	UST Removal	<0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-3	12/16/2008	Dispenser	1	UST Removal	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-4	12/16/2008	Dispenser	1	UST Removal	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-5	12/16/2008	UST Pit Sidewall	9	UST Removal	2.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-6	12/16/2008	UST Pit Sidewall	9	UST Removal	3.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-7	12/16/2008	UST Pit Sidewall	9	UST Removal	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-8	12/16/2008	UST Pit Sidewall	9	UST Removal	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-9	12/16/2008	UST Pit Sidewall	9	UST Removal	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-10	12/16/2008	UST Pit Sidewall	9	UST Removal	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-11	12/16/2008	UST Pit Sidewall	9	UST Removal	2.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-12	12/16/2008	UST Pit Sidewall	9	UST Removal	4.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-13	12/16/2008	UST Pit Sidewall	9	UST Removal	3.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-14	12/16/2008	UST Pit Sidewall	9	UST Removal	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-15	12/16/2008	UST Pit Sidewall	9	UST Removal	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-16	12/16/2008	UST Pit Sidewall	9	UST Removal	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-17	12/17/2008	Product Line	3	UST Removal	2.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-18	12/17/2008	Product Line	3	UST Removal	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-19	12/17/2008	Product Line	3	UST Removal	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-20	12/17/2008	Product Line	3	UST Removal	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-21	12/17/2008	Product Line	3	UST Removal	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-22	12/17/2008	Product Line	3	UST Removal	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-23	12/18/2008	Product Line	3	UST Removal	1.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-24	12/18/2008	Product Line	3	UST Removal	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-25	12/18/2008	Product Line	3	UST Removal	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-26	12/18/2008	Product Line	3	UST Removal	0.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-27	12/18/2008	Product Line	3	UST Removal	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-28	12/18/2008	Product Line	3	UST Removal	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-29	12/18/2008	Product Line	3	UST Removal	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-30	12/18/2008	Product Line	3	UST Removal	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-31	12/18/2008	Product Line	3	UST Removal	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-32	12/18/2008	Product Line	3	UST Removal	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-33	12/18/2008	Product Line	3	UST Removal	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-34	12/18/2008	Product Line	3	UST Removal	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
S-35	12/18/2008	Product Line	3	UST Removal	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
EX-1	12/18/2008	Excavation Sidewall	7	UST Removal	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
EX-2	12/18/2008	Excavation Sidewall	7	UST Removal	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
EX-3	12/18/2008	Excavation Sidewall	7	UST Removal	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
EX-4	12/18/2008	Excavation Sidewall	7	UST Removal	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
EX-5	12/18/2008	Excavation Base	8	UST Removal	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
North Carolina Action Level (mg/kg)					10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soil Screening Level (mg/kg)					72	3,300	34	0.0056	4	4.6	0.58	1.7	7	8	5	

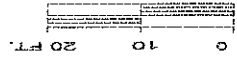
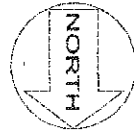
TI BGS = Feet Below Ground Surface
 Results in mg/kg
 NS = Not Sampled
 ND = Not Detected
 NA = Not Applicable

Risk based

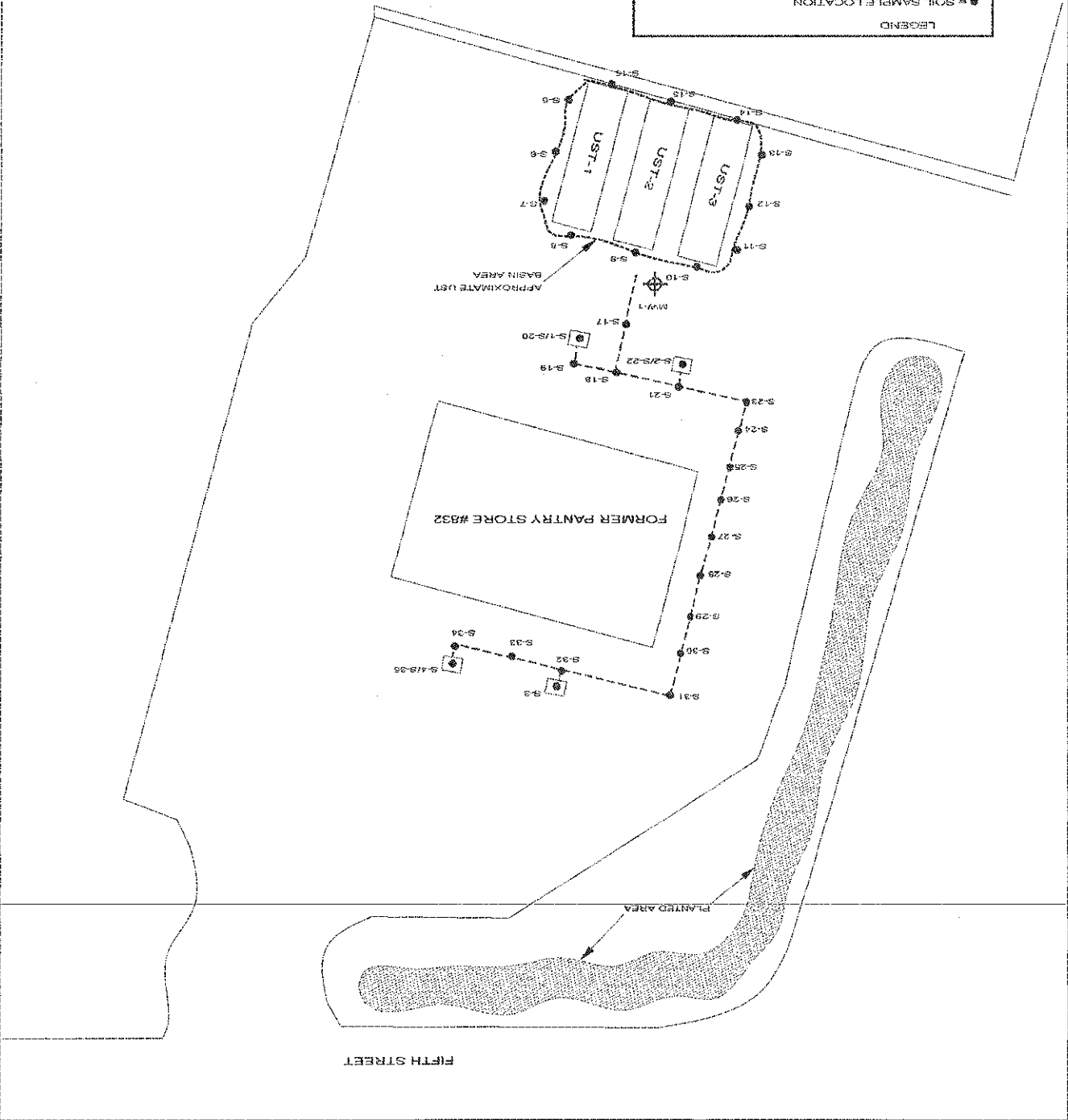
TPH

FIGURES

DWG #FIGURE2
 VO #
 DATE: 01/06/2009
 DRAWN BY: BOM/S
 501 MEMORIAL DRIVE, GREENVILLE NC
 PANTRY STORE #832
 FIGURE 2: SITE MAP
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LEGEND
 ● = SOIL SAMPLE LOCATION
 ⊕ = GROUNDWATER MONITORING WELL LOCATION



APPENDIX A
Notification of Intent to Close (GW/UST-3)

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



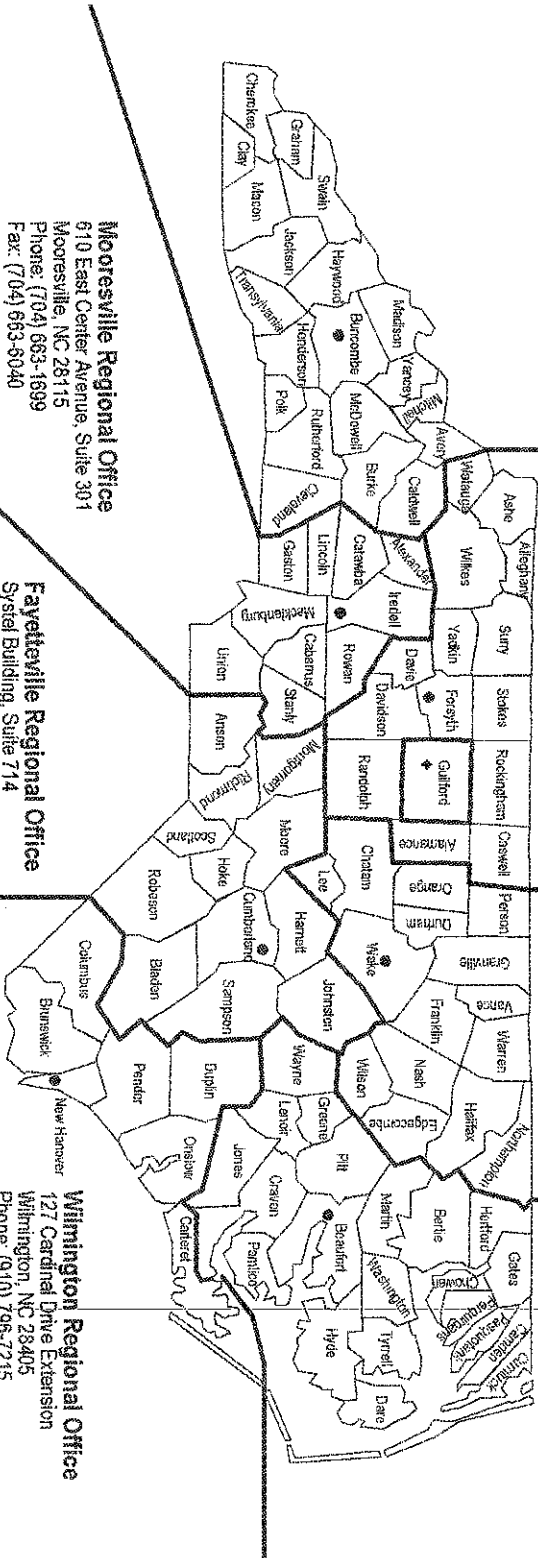
**North Carolina Department of Environment
and Natural Resources**
Division of Waste Management
UST Section Central Office
1637 Mail Service Center
Raleigh, NC 27699-1637
(919) 733-8486 FAX (919) 733-9413
www.wastenotnc.org

Asheville Regional Office
2090 U.S. Highway 70
Savannah, NC 28778
Phone: (828) 296-4500
Fax: (828) 299-7043

Winston-Salem Regional Office
585 Woughton Street
Winston-Salem, NC 27107
Phone: (336) 771-5800
Fax: (336) 771-4632
Gulford County Dept of Public Health
1203 Maple Street
Greensboro, NC 27405
Phone: (336) 841-3771
Fax: (336) 841-4812

Raleigh Regional Office
3800 Barrett Drive
Raleigh, NC 27609
Phone: (919) 791-4200
Fax: (919) 571-4718

Washington Regional Office
943 Washington Square Mall
Washington, NC 27889
Phone: (252) 946-6461
Fax: (252) 975-3716



● Regional Office

Mooreville Regional Office
610 East Center Avenue, Suite 301
Mooreville, NC 28115
Phone: (704) 663-1699
Fax: (704) 663-8040

Fayetteville Regional Office
Systel Building, Suite 714
225 Green Street
Fayetteville, NC 28301
Phone: (910) 433-3300
Fax: (910) 486-0707

Wilmington Regional Office
127 Cardinal Drive Extension
Wilmington, NC 28405
Phone: (910) 786-7215
Fax: (910) 350-2004

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

RECEIVED

JAN 21 2009

CONSTRUCTION

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # 11021

LOAD # 1

GENERATOR

Box # 832
501 South Memorial Dr
Greenville, NC 27835

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE:

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATOR:

Transporter: P & F Environmental
Truck #: PF # 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Walter Barker

Gross Weight (lbs.): 62950
Tare Weight (lbs.): 30950
Net Weight (lbs.): 32000
Net Weight (tons): 170

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature: *Walter Barker*
Date: 12.18.08

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature: *Walter Barker*
Date: 12.18.08

Inspected and Accepted By:

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice YELLOW - Generator PINK - Truck GOLD - P & F Environmental

QUANTITY RECEIVED: 5.05 tons

I hereby acknowledge receipt of the above described materials
 Tammy Lisa Rachelle
 Signature: *[Signature]* Date: 1-15-09
 Site Name: East Carolina Environmental Phone No. 252-348-3322 Address: 1922 Republican Road Aulander, NC 27805

DISPOSAL SITE INFORMATION

Name of Authorized Agent/Driver: *[Signature]* Signature: *[Signature]* Date Delivered: 1-15-09
 I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Transporter Name: *[Signature]* Address: 4400 N Old George Rd, Rocky Mount, NC
 DOT #: PF 101 Truck Number: 252 443 1083 Phone Number: 252 443 1083

TRANSPORTER INFORMATION

Generator/Authorized Agent Name: *[Signature]* Signature: *[Signature]* Date Shipped: 1-15-09

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
090216	117	5.05 T	1-31-09	Temp Tank

Generator Name: *[Signature]* Address: 4400 N Old George Rd, Rocky Mount, NC
 City: Rocky Mount State: NC Zip: 27845
 Billing Name: *[Signature]* Address: 1922 Republican Road Aulander, NC
 City: Aulander State: NC Zip: 27805
 Generator Name: *[Signature]* Address: 4400 N Old George Rd, Rocky Mount, NC
 City: Rocky Mount State: NC Zip: 27845
 She Location (if different):

CUSTOMER BILLING INFORMATION

GENERATOR INFORMATION

NON-HAZARDOUS WASTE MANIFEST

d/b/a EAST CAROLINA ENVIRONMENTAL, 1922 Republican Rd, Aulander, N.C., 27805
 Phone 252-348-3322 Fax 252-348-3395

SERVICES of N.C., LLC



Thanks



Tuesday, December 30, 2008

MD Shaw & Associates, Inc. (MD001)

Attn: Mike Shaw

8501 Fox Tail Lane
Huntersville, NC 28078

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Pantry #832, Greenville, NC
ENCO Workorder: C813349

Dear Mike Shaw,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, December 18, 2008.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAP standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

Client ID: 5-2	Parameter: EPA 8015B	Hold Date/Time(s): 12/29/08	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	06/13/09	12/23/08 10:15	12/23/2008 13:40	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/29/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/19/2008 23:15	
Client ID: 5-4	Parameter: EPA 8015B	Hold Date/Time(s): 06/13/09	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	12/29/08	12/23/08 10:15	12/19/2008 23:46	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/29/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/19/2008 23:46	
Client ID: 5-5	Parameter: EPA 8015B	Hold Date/Time(s): 06/14/09	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	12/30/08	12/23/08 10:15	12/20/2008 00:17	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/30/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/20/2008 00:17	
Client ID: 5-6	Parameter: EPA 8015B	Hold Date/Time(s): 06/14/09	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	12/30/08	12/23/08 10:15	12/20/2008 00:48	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/30/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/20/2008 00:48	
Client ID: 5-7	Parameter: EPA 8015B	Hold Date/Time(s): 06/14/09	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	12/30/08	12/23/08 10:15	12/20/2008 01:20	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/30/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/20/2008 01:20	
Client ID: 5-8	Parameter: EPA 8015B	Hold Date/Time(s): 06/14/09	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	12/30/08	12/23/08 10:15	12/20/2008 01:51	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/30/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/20/2008 01:51	
Client ID: 5-9	Parameter: EPA 8015B	Hold Date/Time(s): 06/14/09	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	12/30/08	12/23/08 10:15	12/20/2008 02:22	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/30/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/20/2008 02:22	
Client ID: 5-10	Parameter: EPA 8015B	Hold Date/Time(s): 06/14/09	Prep Date/Time(s): 12/23/08 10:15	Analysis Date/Time(s): 12/23/2008 13:40	Received: 12/18/08 15:45
	% Solids	12/30/08	12/23/08 10:15	12/20/2008 02:52	
	Parameter: EPA 8015B	Hold Date/Time(s): 12/30/08	Prep Date/Time(s): 12/19/08 08:56	Analysis Date/Time(s): 12/20/2008 02:52	



Client ID: 5-19	Lab ID: C813349-24	Sampled: 12/17/08 13:05	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/15/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:56	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 08:02
EPA 8015B						12/31/08							
Client ID: 5-20	Lab ID: C813349-25	Sampled: 12/17/08 13:15	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/15/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:58	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 18:03
EPA 8015B						12/31/08							
Client ID: 5-21	Lab ID: C813349-26	Sampled: 12/17/08 13:20	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/15/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:58	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 09:03
EPA 8015B						12/31/08							
Client ID: 5-22	Lab ID: C813349-27	Sampled: 12/18/08 13:25	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/16/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:58	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 09:35
EPA 8015B						01/01/09							
Client ID: 5-23	Lab ID: C813349-28	Sampled: 12/18/08 08:00	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/16/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:58	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 10:06
EPA 8015B						01/01/09							
Client ID: 5-24	Lab ID: C813349-29	Sampled: 12/18/08 08:05	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/16/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:56	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 10:36
EPA 8015B						01/01/09							
Client ID: 5-25	Lab ID: C813349-30	Sampled: 12/18/08 08:10	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/16/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:58	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 11:07
EPA 8015B						01/01/09							
Client ID: 5-26	Lab ID: C813349-31	Sampled: 12/18/08 08:15	Received: 12/18/08 15:45	Parameter	% Solids	Hold Date/Time(s)	06/16/09	Prep Date/Time(s)	12/23/08 09:50	12/19/08 08:58	Analysis Date/Time(s)	12/23/2008 13:20	12/20/2008 11:38
EPA 8015B						01/01/09							



Client ID	Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Sampled	Received
5-35	% Solids	06/16/09	12/23/08 09:50	12/18/08 11:00	12/18/08 15:45
EPA 8015B	Temp Blank	01/01/09	12/19/08 08:58	12/15/08 08:15	12/18/08 15:45
EPA 8260B		12/29/08	12/19/08 09:43	12/15/08 08:15	12/19/2008 18:29



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Client ID	Lab ID	Analyte	Results	Flag	Units	Method	Notes
5-1	CR13349-05	% Solids	87		% by Weight	EPA 8015B	J-01
		1,2,4-Trimethylbenzene	0.00043	JD	mg/kg dry	EPA 8260B	
		m,p-Xylenes	0.00061	JD	mg/kg dry	EPA 8260B	
		Toluene	0.00065	JD	mg/kg dry	EPA 8260B	
		Xylenes (Total)	0.00061	JD	mg/kg dry	EPA 8260B	
5-1	CR13349-06	Analyte	Results	Flag	Units	Method	Notes
		% Solids	96		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	1.9	JB	mg/kg dry	EPA 8015B	J-01
5-2	CR13349-07	Analyte	Results	Flag	Units	Method	Notes
		% Solids	83		% by Weight	EPA 8015B	J-01
5-3	CR13349-08	Analyte	Results	Flag	Units	Method	Notes
		% Solids	88		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	1.1	JB	mg/kg dry	EPA 8015B	J-01
5-4	CR13349-09	Analyte	Results	Flag	Units	Method	Notes
		% Solids	98		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	1.1	JB	mg/kg dry	EPA 8015B	J-01
5-5	CR13349-10	Analyte	Results	Flag	Units	Method	Notes
		% Solids	64		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	2.3	JB	mg/kg dry	EPA 8015B	J-01
5-6	CR13349-11	Analyte	Results	Flag	Units	Method	Notes
		% Solids	64		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	3.0	JB	mg/kg dry	EPA 8015B	J-01
5-7	CR13349-12	Analyte	Results	Flag	Units	Method	Notes
		% Solids	63		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	2.4	JB	mg/kg dry	EPA 8015B	J-01
5-8	CR13349-13	Analyte	Results	Flag	Units	Method	Notes
		% Solids	72		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	1.2	JB	mg/kg dry	EPA 8015B	J-01
5-9	CR13349-14	Analyte	Results	Flag	Units	Method	Notes
		% Solids	85		% by Weight	EPA 8015B	J-01
		GRO (C6-C10)	1.3	JB	mg/kg dry	EPA 8015B	J-01



Client ID	Analyte	Results	Flag	MRL	Units	Method	Notes
5-20	GR0 (C6-C10)	1.4	JB	5.3	mg/kg dry	EPA 8015B	J-01
	% Solids	88		0.1	% by Weight		
5-21	GR0 (C6-C10)	1.7	JB	5.1	mg/kg dry	EPA 8015B	J-01
	% Solids	88		0.1	% by Weight		
5-22	GR0 (C6-C10)	1.7	JB	5.7	mg/kg dry	EPA 8015B	J-01
	% Solids	83		0.1	% by Weight		
5-23	GR0 (C6-C10)	1.7	JB	5.7	mg/kg dry	EPA 8015B	J-01
	% Solids	83		0.1	% by Weight		
5-24	GR0 (C6-C10)	1.4	JB	5.3	mg/kg dry	EPA 8015B	J-01
	% Solids	85		0.1	% by Weight		
5-25	GR0 (C6-C10)	1.6	JB	6.6	mg/kg dry	EPA 8015B	J-01
	% Solids	83		0.1	% by Weight		
5-26	GR0 (C6-C10)	1.4	JB	5.2	mg/kg dry	EPA 8015B	J-01
	% Solids	85		0.1	% by Weight		
5-27	GR0 (C6-C10)	0.90	JB	3.8	mg/kg dry	EPA 8015B	J-01
	% Solids	90		0.1	% by Weight		
5-28	GR0 (C6-C10)	2.4	JB	4.8	mg/kg dry	EPA 8015B	J-01
	% Solids	87		0.1	% by Weight		
5-29	GR0 (C6-C10)	2.4	JB	4.8	mg/kg dry	EPA 8015B	J-01
	% Solids	87		0.1	% by Weight		
5-30	GR0 (C6-C10)	1.7	JB	5.1	mg/kg dry	EPA 8015B	J-01
	% Solids	87		0.1	% by Weight		



Analysis CAS Number	Results	Flag	Units	DE	MDL	MRL	Batch#	Method	Analyzer	By	Notes
1,1,1,2-Tetrachloroethane [53-20-5] ✓	0.0014	UD	mg/kg dry	0.79	0.0014	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,1,1-Trichloroethane [71-55-6] ✓	0.0016	UD	mg/kg dry	0.79	0.0016	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ✓	0.0018	UD	mg/kg dry	0.79	0.0018	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,1,2-Trichloroethane [79-03-5] ✓	0.0023	UD	mg/kg dry	0.79	0.0023	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,1-Dichloroethane [75-35-4] ✓	0.0027	UD	mg/kg dry	0.79	0.0027	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,1-Dichloropropene [563-58-6] ✓	0.0029	UD	mg/kg dry	0.79	0.0029	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2,3-Trichlorobenzene [87-61-6] ✓	0.0019	UD	mg/kg dry	0.79	0.0019	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2,3-Trichloropropane [56-18-4] ✓	0.0031	UD	mg/kg dry	0.79	0.0031	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2,4-Trichlorobenzene [120-82-1] ✓	0.0024	UD	mg/kg dry	0.79	0.0024	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2,4-Trimethylbenzene [95-63-6] ✓	0.0011	D	mg/kg dry	0.79	0.0015	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2-Di-ortho-3-chloropropane [96-12-8] ✓	0.0011	D	mg/kg dry	0.79	0.0015	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2-Dibromoethane [106-93-4] ✓	0.0041	UD	mg/kg dry	0.79	0.0041	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2-Dichlorobenzene [95-50-1] ✓	0.0024	UD	mg/kg dry	0.79	0.0024	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2-Dichloroethane [107-06-2] ✓	0.0034	UD	mg/kg dry	0.79	0.0034	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,2-Dichloropropane [78-87-5] ✓	0.0023	UD	mg/kg dry	0.79	0.0023	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,3,5-Trimethylbenzene [108-61-8] ✓	0.0018	UD	mg/kg dry	0.79	0.0018	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,3-Dichlorobenzene [541-73-1] ✓	0.0020	UD	mg/kg dry	0.79	0.0020	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,3-Dichloropropane [142-28-9] ✓	0.0026	UD	mg/kg dry	0.79	0.0026	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
1,4-Dichlorobenzene [106-46-7] ✓	0.0018	UD	mg/kg dry	0.79	0.0018	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
2,2-Dichloropropane [594-20-7] ✓	0.0021	UD	mg/kg dry	0.79	0.0021	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
2-Butanone [78-93-3] ✓	0.0070	UD	mg/kg dry	0.79	0.0070	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ✓	0.0044	UD	mg/kg dry	0.79	0.0044	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
2-Chlorobenzene [95-49-8] ✓	0.0016	UD	mg/kg dry	0.79	0.0016	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
2-Hexanone [591-78-6] ✓	0.0068	UD	mg/kg dry	0.79	0.0068	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
4-Chlorobenzene [108-43-4] ✓	0.0023	UD	mg/kg dry	0.79	0.0023	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
4-Isopropyltoluene [99-87-6] ✓	0.0014	UD	mg/kg dry	0.79	0.0014	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
4-Methyl-2-pentanone [108-10-1] ✓	0.0051	UD	mg/kg dry	0.79	0.0051	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Acetone [67-64-1] ✓	0.0011	UD	mg/kg dry	0.79	0.0011	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Benzene [71-43-2] ✓	0.0051	UD	mg/kg dry	0.79	0.0051	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Bromobenzene [108-86-1] ✓	0.0020	UD	mg/kg dry	0.79	0.0020	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Bromochloromethane [74-97-5] ✓	0.0037	UD	mg/kg dry	0.79	0.0037	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Bromodichloromethane [75-27-4] ✓	0.0022	UD	mg/kg dry	0.79	0.0022	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Bromoform [75-25-2] ✓	0.0041	UD	mg/kg dry	0.79	0.0041	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Bromomethane [74-83-9] ✓	0.0021	UD	mg/kg dry	0.79	0.0021	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Carbon Tetrachloride [56-23-5] ✓	0.0035	UD	mg/kg dry	0.79	0.0035	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Chlorobenzene [108-90-7] ✓	0.0015	UD	mg/kg dry	0.79	0.0015	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Chloroethane [75-00-3] ✓	0.0023	UD	mg/kg dry	0.79	0.0023	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Chloroform [67-68-3] ✓	0.0015	UD	mg/kg dry	0.79	0.0015	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Chloromethane [74-87-3] ✓	0.0014	UD	mg/kg dry	0.79	0.0014	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
cis-1,2-Dichloroethene [156-59-2] ✓	0.0021	UD	mg/kg dry	0.79	0.0021	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
cis-1,3-Dichloropropene [124-48-1] ✓	0.0022	UD	mg/kg dry	0.79	0.0022	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Dibromochloromethane [10061-01-5] ✓	0.0032	UD	mg/kg dry	0.79	0.0032	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Dibromomethane [74-95-3] ✓	0.0028	UD	mg/kg dry	0.79	0.0028	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Dichlorodifluoromethane [75-71-8] ✓	0.0041	UD	mg/kg dry	0.79	0.0041	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Ethylbenzene [100-41-4] ✓	0.0091	D	mg/kg dry	0.79	0.0018	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	
Hexachlorobutadiene [87-68-3] ✓	0.0032	UD	mg/kg dry	0.79	0.0032	0.0090	8L18009	EPA 8260B	12/18/08 17:25	REF	

✓ - ENCO Cary certified analyte [NC 591]

Volatile Organic Compounds by GCMS

Description: EX-1
 Matrix: Soil
 Project: Pandey #832, Greenville, NC
 Lab Sample ID: C813349-01
 Sampled: 12/18/08 14:40
 Sampled By: Client
 Work Order: C813349
 Received: 12/18/08 15:45
 % Solids: 87.6

ANALYTICAL RESULTS



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analysite [CAS Number]	Results	Elem	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	88		% by Weight	1	0.1	0.1	BL23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: EX-1
 Matrix: Soil
 Project: Pandy #832, Greenville, NC
 Lab Sample ID: C813349-01
 Sampled: 12/18/08 14:40
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 87.6

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Description: EX-2
Matrix: Soil
Project: Pandey #832, Greenville, NC
Lab Sample ID: C813349-02
Work Order: C813349
Received: 12/18/08 15:45
Sampled: 12/18/08 14:50
Sampled By: Client
% Solids: 87.1

Volatile Organic Compounds by GCMS
 ~ ENCO Carry certified analyte [NC 591]

Analyle [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methylene Chloride [75-09-2] ✓	0.0048	UD	mg/kg dry	0.75	0.0048	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Methyl-tert-butyl Ether [1634-04-4] ✓	0.0026	UD	mg/kg dry	0.75	0.0026	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Naphthalene [91-20-3] ✓	0.0064	UD	mg/kg dry	0.75	0.0021	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
n-Butyl Benzene [104-51-8] ✓	0.0019	UD	mg/kg dry	0.75	0.0019	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
n-Propyl Benzene [103-65-1] ✓	0.0016	UD	mg/kg dry	0.75	0.0016	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
o-Xylene [95-47-6] ✓	0.0053	UD	mg/kg dry	0.75	0.0019	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
sec-Butylbenzene [135-98-8] ✓	0.0019	UD	mg/kg dry	0.75	0.0019	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Styrene [100-42-5] ✓	0.0015	UD	mg/kg dry	0.75	0.0015	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
tert-Butylbenzene [98-06-6] ✓	0.0014	UD	mg/kg dry	0.75	0.0014	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Tetrahydroethene [127-18-4] ✓	0.0024	UD	mg/kg dry	0.75	0.0024	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Toluene [108-88-3] ✓	0.0015	UD	mg/kg dry	0.75	0.0017	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
trans-1,2-Dichloroethene [156-60-5] ✓	0.0032	UD	mg/kg dry	0.75	0.0032	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
trans-1,3-Dichloropropene [10691-02-6] ✓	0.0034	UD	mg/kg dry	0.75	0.0034	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Trichloroethene [79-01-6] ✓	0.0023	UD	mg/kg dry	0.75	0.0023	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Trichlorofluoromethane [75-69-4] ✓	0.0022	UD	mg/kg dry	0.75	0.0022	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Vinyl chloride [75-01-4] ✓	0.0021	UD	mg/kg dry	0.75	0.0021	0.0086	8L18009	EPA 8260B	12/18/08 18:25	REF	
Xylenes (Total) [1330-20-7]	0.0016	UD	mg/kg dry	0.75	0.0048	0.0017	8L18009	EPA 8260B	12/18/08 18:25	REF	
Surrogates											
4-Bromofluorobenzene	40	I	50.0	79%	61-118	73-101	8L18009	EPA 8260B	12/18/08 18:25	REF	
Dibromofluoromethane	47	I	50.0	94%	73-101	73-101	8L18009	EPA 8260B	12/18/08 18:25	REF	
Toluene-d8	40	I	50.0	80%	63-114	63-114	8L18009	EPA 8260B	12/18/08 18:25	REF	



ANALYTE [CAS NUMBER]	RESULTS	UNIT	DF	MFL	MRL	BATCH	METHOD	ANALYZED	BY	NOTES
1,1,1,2-Tetrachloroethane [100-97-5]	0.0016	UD	0.78	0.0016	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,1,1,2-Trichloroethane [79-34-5]	0.0018	UD	0.78	0.0018	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,1,2-Trichloroethane [99-05-5]	0.0021	UD	0.78	0.0021	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,1-Dichloroethane [75-35-4]	0.0027	UD	0.78	0.0027	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,1-Dichloroethane [563-58-6]	0.0029	UD	0.78	0.0029	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2-Trichlorobenzene [87-61-6]	0.0019	UD	0.78	0.0019	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2,3-Trichlorobenzene [96-18-4]	0.0030	UD	0.78	0.0030	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2,4-Trichlorobenzene [120-82-1]	0.0024	UD	0.78	0.0024	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2,4-Trimethybenzene [95-63-6]	0.0072	D	0.78	0.0072	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2-Dimethyl-3-chloropropane [96-12-6]	0.0071	UD	0.78	0.0071	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2-Dibromochloroethane [106-93-4]	0.0044	UD	0.78	0.0044	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2-Dichlorobenzene [95-50-1]	0.0024	UD	0.78	0.0024	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2-Dichloroethane [107-06-2]	0.0034	UD	0.78	0.0034	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,2-Dichloroethane [78-67-5]	0.0023	UD	0.78	0.0023	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,3,5-Trimethybenzene [108-67-8]	0.0019	D	0.78	0.0018	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,3-Dichlorobenzene [541-73-1]	0.0020	UD	0.78	0.0020	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,3-Dichloropropane [142-28-9]	0.0026	UD	0.78	0.0026	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
1,4-Dichlorobenzene [106-46-7]	0.0018	UD	0.78	0.0018	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
2,2-Dichloropropane [594-20-7]	0.0021	UD	0.78	0.0021	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
2-Butanone [78-93-3]	0.0070	UD	0.78	0.0070	0.00145	8L18009	EPA 8260B	12/18/08 18:53	REF	
2-Chloroethyl Vinyl Ether [110-75-8]	0.0044	UD	0.78	0.0044	0.00145	8L18009	EPA 8260B	12/18/08 18:53	REF	
2-Chlorobenzene [95-49-8]	0.0016	UD	0.78	0.0016	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
2-Hexanone [591-78-6]	0.0057	UD	0.78	0.0057	0.00145	8L18009	EPA 8260B	12/18/08 18:53	REF	
4-Chlorobenzene [106-43-4]	0.0023	UD	0.78	0.0023	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
4-Methyl-2-pentanone [108-10-1]	0.0051	UD	0.78	0.0051	0.00145	8L18009	EPA 8260B	12/18/08 18:53	REF	
Acetone [67-64-1]	0.0011	UD	0.78	0.0011	0.00145	8L18009	EPA 8260B	12/18/08 18:53	REF	
Benzene [71-43-2]	0.0040	UD	0.78	0.0040	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Bromobenzene [108-96-1]	0.0020	UD	0.78	0.0020	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Bromochloroethane [74-97-5]	0.0037	UD	0.78	0.0037	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Bromodichloroethane [75-27-4]	0.0021	UD	0.78	0.0021	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Bromotoluene [75-25-2]	0.0040	UD	0.78	0.0040	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Bromomethane [74-83-9]	0.0021	UD	0.78	0.0021	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Carbon disulfide [75-15-0]	0.0035	UD	0.78	0.0035	0.00145	8L18009	EPA 8260B	12/18/08 18:53	REF	
Carbon Tetrachloride [56-23-5]	0.0020	UD	0.78	0.0020	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Chlorobenzene [108-90-7]	0.0015	UD	0.78	0.0015	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Chloroethane [75-00-3]	0.0022	UD	0.78	0.0022	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Chloroform [74-63-3]	0.0015	UD	0.78	0.0015	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
cis-1,2-Dichloroethane [10061-01-5]	0.0012	UD	0.78	0.0012	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Dibromomethane [74-95-3]	0.0028	UD	0.78	0.0028	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Dichlorodifluoromethane [124-48-1]	0.0031	UD	0.78	0.0031	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Ethylbenzene [100-41-4]	0.0032	D	0.78	0.0032	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Hexachlorobutadiene [87-68-3]	0.0031	UD	0.78	0.0031	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Isopropyl Ether [108-20-3]	0.0016	UD	0.78	0.0016	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
Isopropylbenzene [98-82-8]	0.0013	UD	0.78	0.0013	0.00089	8L18009	EPA 8260B	12/18/08 18:53	REF	
m,p-Xylenes [106-38-3/106-42-3]	0.011	D	0.78	0.0033	0.0018	8L18009	EPA 8260B	12/18/08 18:53	REF	

ENCO CARBON CERTIFIED ANALYTE [NC 5911]
 Volatile Organic Compounds by GC/MS
 Project: Panty #832, Greenville, NC
 Matrix: Soil
 Description: EX-3
 Lab Sample ID: C813349-03
 Sampled: 12/18/08 15:00
 Sampled By: Client
 Work Order: C813349
 Received: 12/18/08 15:45
 % Solids: 87.2



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This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]

% Solids [NA]

Results

87

Flag

Units

% by Weight

1

MDL

0.1

MRL

0.1

Batch

8L23013

Method

% Solids

Analyzed

12/23/08 13:40

By

JOC

Notes

Classical Chemistry Parameters

Description: EX-3

Matrix: Soil

Project: Pandy #832, Greenville, NC

Lab Sample ID: C813349-03

Sampled: 12/18/08 15:00

Sampled By: Client

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 87.2

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Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	38	1	50.0	77%	61-118	8L18009	EPA 8260B	12/18/08 19:21	REF	
Dibromofluoromethane	48	1	50.0	95%	73-101	8L18009	EPA 8260B	12/18/08 19:21	REF	
Toluene-d8	39	1	50.0	79%	63-114	8L18009	EPA 8260B	12/18/08 19:21	REF	
Xylenes (Total) [1330-20-7]	0.0012	30	mg/kg dry	0.76	0.00049	0.0017	EPA 8260B	12/18/08 19:21	REF	
Vinyl chloride [75-01-4] ✓	0.00021	UD	mg/kg dry	0.75	0.00021	0.00087	EPA 8260B	12/18/08 19:21	REF	
Trichlorofluoromethane [75-69-4] ✓	0.00023	UD	mg/kg dry	0.76	0.00023	0.00087	EPA 8260B	12/18/08 19:21	REF	
Trichloroethene [79-01-6] ✓	0.00024	UD	mg/kg dry	0.76	0.00024	0.00087	EPA 8260B	12/18/08 19:21	REF	
trans-1,3-Dichloropropene [10061-02-6] ✓	0.00034	UD	mg/kg dry	0.76	0.00034	0.00087	EPA 8260B	12/18/08 19:21	REF	
trans-1,2-Dichloroethene [156-60-5] ✓	0.00032	UD	mg/kg dry	0.76	0.00032	0.00087	EPA 8260B	12/18/08 19:21	REF	
Toluene [108-88-3] ✓	0.00080	30	mg/kg dry	0.76	0.00017	0.00087	EPA 8260B	12/18/08 19:21	REF	
Tetrachloroethene [127-18-4] ✓	0.00024	UD	mg/kg dry	0.76	0.00024	0.00087	EPA 8260B	12/18/08 19:21	REF	
tert-Butylbenzene [98-06-6] ✓	0.00014	UD	mg/kg dry	0.76	0.00014	0.00087	EPA 8260B	12/18/08 19:21	REF	
sec-Butylbenzene [135-98-8] ✓	0.00019	UD	mg/kg dry	0.76	0.00019	0.00087	EPA 8260B	12/18/08 19:21	REF	
Styrene [100-42-5] ✓	0.00015	UD	mg/kg dry	0.76	0.00015	0.00087	EPA 8260B	12/18/08 19:21	REF	
o-Xylene [95-47-6] ✓	0.00038	30	mg/kg dry	0.76	0.00019	0.00087	EPA 8260B	12/18/08 19:21	REF	
n-Propyl Benzene [103-65-1] ✓	0.00016	UD	mg/kg dry	0.76	0.00016	0.00087	EPA 8260B	12/18/08 19:21	REF	
n-Butyl Benzene [104-51-8] ✓	0.00019	UD	mg/kg dry	0.76	0.00019	0.00087	EPA 8260B	12/18/08 19:21	REF	
Naphthalene [91-20-3] ✓	0.00021	UD	mg/kg dry	0.76	0.00021	0.00087	EPA 8260B	12/18/08 19:21	REF	
Methyl-tert-Butyl Ether [1634-04-4] ✓	0.00026	UD	mg/kg dry	0.76	0.00026	0.00087	EPA 8260B	12/18/08 19:21	REF	
Methylene Chloride [75-09-2] ✓	0.00049	UD	mg/kg dry	0.76	0.00049	0.00087	EPA 8260B	12/18/08 19:21	REF	

Volatile Organic Compounds by GC/MS
 ✓ - ENCO Cary certified analyte [NC 591]

Description: EX-4
 Matrix: Soil
 Project: Panby #832, Greenville, NC
 Lab Sample ID: C813349-04
 Sampled: 12/18/08 15:10
 Client: Samped By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 86.9



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Analyte [CAS Number]	Results	Flag	Units	DT	MDL	MRL	Batch	Method	Analized	By	Notes
1,1,1,2-tetrachloroethane [79-34-5]	0.00016	UD	mg/kg dry	0.78	0.00016	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,1,1,2-tetrachloroethane [69-20-6]	0.00014	UD	mg/kg dry	0.78	0.00014	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,1,2-trichloroethane [79-00-5]	0.00021	UD	mg/kg dry	0.78	0.00021	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,1-Dichloroethane [75-34-3]	0.00022	UD	mg/kg dry	0.78	0.00022	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,1-Dichloroethane [563-58-6]	0.00029	UD	mg/kg dry	0.78	0.00029	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2,3-Trichlorobenzene [87-61-6]	0.00019	UD	mg/kg dry	0.78	0.00019	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2,3-Trichloropropene [96-18-1]	0.00031	UD	mg/kg dry	0.78	0.00031	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2,4-Trichlorobenzene [120-82-1]	0.00024	UD	mg/kg dry	0.78	0.00024	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2,4-Trimethylbenzene [95-63-6]	0.00043	UD	mg/kg dry	0.78	0.00043	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2-Dichloro-3-chloropropane [96-12-8]	0.00071	UD	mg/kg dry	0.78	0.00071	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2-Dichloroethane [105-93-4]	0.00041	UD	mg/kg dry	0.78	0.00041	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2-Dichloroethane [95-50-1]	0.00024	UD	mg/kg dry	0.78	0.00024	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2-Dichloroethane [107-06-2]	0.00034	UD	mg/kg dry	0.78	0.00034	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,2-Dichloroethane [78-87-5]	0.00023	UD	mg/kg dry	0.78	0.00023	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,3,5-Trimethylbenzene [108-67-8]	0.00018	UD	mg/kg dry	0.78	0.00018	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,3-Dichlorobenzene [541-73-1]	0.00020	UD	mg/kg dry	0.78	0.00020	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,3-Dichloropropane [142-28-9]	0.00026	UD	mg/kg dry	0.78	0.00026	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
1,4-Dichlorobenzene [106-46-7]	0.00018	UD	mg/kg dry	0.78	0.00018	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
2,2-Dichloropropane [594-20-7]	0.00021	UD	mg/kg dry	0.78	0.00021	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
2-Butanone [78-93-3]	0.00070	UD	mg/kg dry	0.78	0.00070	0.0045	8L18009	EPA 8260B	12/18/08 19:49	REF	
2-Chloroethyl Vinyl Ether [110-25-8]	0.00044	UD	mg/kg dry	0.78	0.00044	0.0045	8L18009	EPA 8260B	12/18/08 19:49	REF	
2-Chlorobutane [95-49-8]	0.00016	UD	mg/kg dry	0.78	0.00016	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
2-Hexanone [591-78-6]	0.00067	UD	mg/kg dry	0.78	0.00067	0.0045	8L18009	EPA 8260B	12/18/08 19:49	REF	
4-Chlorobutane [106-43-4]	0.00023	UD	mg/kg dry	0.78	0.00023	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
4-Methyl-2-pentanone [108-10-1]	0.00051	UD	mg/kg dry	0.78	0.00051	0.0045	8L18009	EPA 8260B	12/18/08 19:49	REF	
Acetone [67-64-1]	0.0011	UD	mg/kg dry	0.78	0.0011	0.0045	8L18009	EPA 8260B	12/18/08 19:49	REF	
Benzene [71-43-2]	0.00015	UD	mg/kg dry	0.78	0.00015	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Bromobenzene [108-86-1]	0.00020	UD	mg/kg dry	0.78	0.00020	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Bromochloroethane [74-97-5]	0.00037	UD	mg/kg dry	0.78	0.00037	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Bromodichloroethane [75-27-4]	0.00022	UD	mg/kg dry	0.78	0.00022	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Bromoforn [75-25-2]	0.00040	UD	mg/kg dry	0.78	0.00040	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Bromomethane [74-83-9]	0.00021	UD	mg/kg dry	0.78	0.00021	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Carbon disulfide [75-15-0]	0.00035	UD	mg/kg dry	0.78	0.00035	0.0045	8L18009	EPA 8260B	12/18/08 19:49	REF	
Carbon Tetrachloride [56-23-5]	0.00020	UD	mg/kg dry	0.78	0.00020	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Chlorobenzene [108-90-7]	0.00015	UD	mg/kg dry	0.78	0.00015	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Chloroethane [75-00-3]	0.00012	UD	mg/kg dry	0.78	0.00012	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Chloroform [75-69-3]	0.00015	UD	mg/kg dry	0.78	0.00015	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Chloromethane [74-87-3]	0.00013	UD	mg/kg dry	0.78	0.00013	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
cis-1,3-Dichloropropene [10061-01-5]	0.00012	UD	mg/kg dry	0.78	0.00012	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Dibromomethane [74-95-3]	0.00028	UD	mg/kg dry	0.78	0.00028	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Dichlorodifluoromethane [75-71-8]	0.00040	UD	mg/kg dry	0.78	0.00040	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Ethylbenzene [100-11-1]	0.00018	UD	mg/kg dry	0.78	0.00018	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Hexachlorobutadiene [87-68-3]	0.00031	UD	mg/kg dry	0.78	0.00031	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Isopropyl Ether [108-20-3]	0.00016	UD	mg/kg dry	0.78	0.00016	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
Isopropylbenzene [98-82-8]	0.00013	UD	mg/kg dry	0.78	0.00013	0.00090	8L18009	EPA 8260B	12/18/08 19:49	REF	
m,p-Xylenes [106-38-3/106-42-3]	0.00061	UD	mg/kg dry	0.78	0.00061	0.0018	8L18009	EPA 8260B	12/18/08 19:49	REF	

~ ENCO Cary certified analyte [NC 591]
Volatile Organic Compounds by GC/MS

Project: Panby #832, Greenville, NC
 Matrix: Soil
 Description: EX-5
 Lab Sample ID: C813349-05
 Sampled: 12/18/08 15:20
 Sampled By: Client
 Work Order: C813349
 Received: 12/18/08 15:45
 % Solids: 86.7



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Classical Chemistry Parameters

Description: EX-5
 Matrix: Soil
 Project: Panty #83Z, Greenville, NC
 Lab Sample ID: C813349-05
 Sampled: 12/18/08 15:20
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 86.7

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	87		% by Weight	1	0.1	0.1	8123013	% Solids	12/23/08 13:40	JOC	



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Notes	By	Analyzed	Method	Batch	MRL	MDL	DF	Units	Flag	Results	Analyte [CAS Number]
	JOC	12/23/08 13:40	% Solids	BL23013	0.1	0.1	1	% by Weight		96	% Solids [NA]

Classical Chemistry Parameters

Description: S-1
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-06
 Sampled: 12/15/08 08:15
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 95.7

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This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]

Results

Flag

Units

% by Weight

1

M/D

M/R

Batch

Method

Analyzed

By

Notes

Classical Chemistry Parameters

Description: S-2

Matrix: Soil

Project: Pantry #832, Greenville, NC

Lab Sample ID: C813349-07

Sampled: 12/15/08 08:20

Sampled By: Client

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 83.4

www.encolabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]	Results	Flag	Units	% by Weight	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids (NA)	88				1	0.1	0.1	8L23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-3
Matrix: Soil
Project: Panty #83Z, Greenville, NC
Lab Sample ID: C813349-08
Sampled: 12/15/08 13:35
Sampled By: Client
Received: 12/18/08 15:45
Work Order: C813349
% Solids: 88.1

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Classical Chemistry Parameters

Description: S-4
 Matrix: Soil
 Project: Pantry #832, Greenville, NC
 Lab Sample ID: C813349-09
 Sampled: 12/15/08 13:40
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 97.7

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	BY	Notes
% Solids (NA)	98		% by Weight	1	0.1	0.1	BL23013	% Solids	12/23/08 13:40	JOC	



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Classical Chemistry Parameters

Description: S-5
 Matrix: Soil
 Project: Parby #832, Greenville, NC
 Lab Sample ID: C813349-10
 Sampled: 12/16/08 15:00
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 64.2

Analyte [CAS Number]	Results	Flag	Units	DF	MPL	MRL	Batch	Method	Analyzed	By	Notes
% Solids (MA)	64		% by Weight	1	0.1	0.1	8L23013	% Solids	12/23/08 13:40	JOC	



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	64		% By Weight	1	0.1	0.1	8L23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-6
 Matrix: Soil
 Project: PandY #83Z, Greenville, NC
 Lab Sample ID: C813349-11
 Sampled: 12/16/08 15:05
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 63.6

www.encolabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]	Results	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	63	% by Weight	1	0.1	0.1	BL23013	% Solids	12/29/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-7
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-12
 Sampled: 12/16/08 15:15
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 63.1

www.encolabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte (CAS Number)	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids (NA)	72.5		% by Weight	1	0.1	0.1	BL23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-8
 Matrix: Soil
 Project: Pandy #832, Greenville, NC
 Lab Sample ID: C813349-13
 Sampled: 12/16/08 15:30
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 72.5

www.encolabs.com



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Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids (NA)	85		% by Weight	1	0.1	0.1	BL23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-9
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-14
 Sampled: 12/16/08 15:35
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 85.2

www.ancolabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte (CAS Number)	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids (NA)	88		% by Weight	1	0.1	0.1	BL23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-10
 Matrix: Soil
 Project: Panty #83Z, Greenville, NC
 Lab Sample ID: C813349-15
 Sampled: 12/16/08 15:40
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 87.6

www.encolabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	69		% by Weight	1	0.1	0.1	8L23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-11
 Matrix: Soil
 Project: Pantry #832, Greenville, NC
 Lab Sample ID: C813349-16
 Sampled: 12/16/08 15:45
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 68.7

www.encolabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	60		% by Weight	1	0.1	0.1	823013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-12
 Matrix: Soil
 Project: Panty #83Z, Greenville, NC
 Lab Sample ID: C813349-17
 Sampled: 12/16/08 15:50
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 60.1

www.encolabs.com



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Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	BY	Notes
% Solids [NA]	62		% by Weight	1	0.1	0.1	BL23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-13
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-18
 Sampled: 12/16/08 16:05
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 61.7

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Analyte [CAS Number]

Results

Flag

Units % by Weight

DF

MDL

MRL

Batch

Method % Solids

Analyzer

By

Notes

Classical Chemistry Parameters

Description: S-14
Matrix: Soil
Project: Panby #832, Greenville, NC

Lab Sample ID: C813349-19
Sampled: 12/16/08 16:10
Sampled By: Client

Received: 12/18/08 15:45
Work Order: C813349
% Solids: 62.1

www.ancelabs.com



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Analysis [CAS Number]	Results	Flags	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	58.3		% by Weight	1	0.1	0.1	BL23013	% Solids	12/23/08 13:40	JOC	

Classical Chemistry Parameters

Description: S-15
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-20
 Sampled: 12/16/08 16:20
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 58.3

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Analyte [CAS Number]

Results 62

Flag % by Weight

Units 1

DF MDL 0.1

MRL 0.1

Batch BL23012

Method % Solids

Analyzed 12/23/08 13:20

By JOC

Notes

Classical Chemistry Parameters

Description: S-16
Matrix: Soil
Project: Panty #832, Greenville, NC

Lab Sample ID: C813349-21
Sampled: 12/16/08 16:30
Sampled By: Client

Received: 12/18/08 15:45
Work Order: C813349
% Solids: 61.8

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This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Classical Chemistry Parameters

Description: S-17
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-22
 Sampled: 12/17/08 12:18
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 96.6

Analyte (CAS Number)	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids (NA)	97		% by Weight	1	0.1	0.1	BL23012	% Solids	12/23/08 13:20	JOC	



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number] % Solids [NA]

Results 88

Flag

Units

% by Weight

DF 1

MDL 0.1

MRL 0.1

Batch BL23012

Method % Solids

Analyzed 12/23/08 13:20

BY JOC

Notes

Classical Chemistry Parameters

Description: S-18

Matrix: Soil

Project: Panby #832, Greenville, NC

Sampled By: Client

Sampled: 12/17/08 13:00

Lab Sample ID: C813349-23

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 87.8

www.encolabs.com



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Analyte [CAS Number]

Results

Elem

Units

DF

MDL

MRL

Batch

Method

Analyzed

By

Notes

% Solids [NA]

89

% by Weight

1

0.1

8L23012

% Solids

12/23/08 13:20

JOC

Classical Chemistry Parameters

Description: S-19

Matrix: Soil

Project: Panty #832, Greenville, NC

Lab Sample ID: C813349-24

Sampled: 12/17/08 13:05

Sampled By: Client

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 89.0

www.enconlabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Classical Chemistry Parameters

Description: S-20
 Matrix: Soil
 Project: Panby #83Z, Greenville, NC
 Lab Sample ID: C813349-25
 Sampled: 12/17/08 13:15
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 87.8

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	88		% by Weight	1	0.1	0.1	8L23012	% Solids	12/23/08 13:20	JOC	



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]

Results 88

Flag

Units

% by Weight

DF 1

MDL 0.1

MRL 0.1

Batch BL23012

Method % Solids

Analyzed 12/23/08 13:20

BY JOC

Notes

Classical Chemistry Parameters

Description: 5-21
Matrix: Soil
Project: Panty #83Z, Greenville, NC

Lab Sample ID: C813349-26
Sampled: 12/17/08 13:20
Sampled By: Client

Received: 12/18/08 15:45
Work Order: C813349
% Solids: 87.8

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This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]

% Solids [NA]

Results

83

Flag

Units

% by Weight

DF

MDL

0.1

MRL

0.1

Batch

8L23012

Method

% Solids

Analyzed

12/23/08 13:20

By

JOC

Notes

Classical Chemistry Parameters

Description: S-22
Matrix: Soil
Project: Panby #832, Greenville, NC

Lab Sample ID: C813349-27
Sampled: 12/18/08 13:25
Sampled By: Client

Received: 12/18/08 15:45
Work Order: C813349
% Solids: 82.5

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This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte (CAS Number) % solids (NA)

Results 85

Flag

Units % by Weight

DF 1

MDL 0.1

MRL 0.1

Batch BL23012

Method % Solids

Analyzed 12/23/08 13:20

By JOC

Notes

Classical Chemistry Parameters

Description: S-23

Matrix: Soil

Project: Parby #832, Greenville, NC

Lab Sample ID: C813349-28

Sampled: 12/18/08 08:00

Sampled By: Client

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 85.0

www.encolabs.com



This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Classical Chemistry Parameters

Description: S-24
 Matrix: Soil
 Project: Pantry #832, Greenville, NC
 Lab Sample ID: C813349-29
 Sampled: 12/18/08 08:05
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 83.2



www.enblabs.com

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	83		% by Weight	1	0.1	0.1	8123012	% Solids	12/23/08 13:20	JOC	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	85		% by Weight	1	0.1	0.1	8L23012	% Solids	12/23/08 13:20	JOC	

Classical Chemistry Parameters

Description: S-25
 Matrix: Soil
 Project: Panty #83Z, Greenville, NC
 Lab Sample ID: C813349-30
 Sampled: 12/18/08 08:10
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 85.1

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This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	90		% by Weight	1	0.1	0.1	8L23012	% Solids	12/23/08 13:20	JOC	

Classical Chemistry Parameters

Description: S-26
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-31
 Sampled: 12/18/08 08:15
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 90.1

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Analyte [CAS Number]

Results

Flag

Units

% by Weight

DF

MDL

MRL

Batch

Method

Analyzed

BY

Notes

89

1

0.1

0.1

8123012

% solids

12/23/08 13:20

JOC

Classical Chemistry Parameters

Description: 5-27
Matrix: Soil
Project: Pantry #832, Greenville, NC

Lab Sample ID: C813349-32
Sampled: 12/18/08 08:20
Sampled By: Client

Received: 12/18/08 15:45
Work Order: C813349
% Solids: 89.2

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Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	87		% by Weight	1	0.1	0.1	BL23012	% Solids	12/23/08 13:20	JOC	

Classical Chemistry Parameters

Description: S-28
 Matrix: Soil
 Project: Panby #832, Greenville, NC
 Lab Sample ID: C813349-33
 Sampled: 12/18/08 09:00
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 86.6

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Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analized	By	Notes
% Solids [NA]	87		% by Weight	1	0.1	0.1	8L23012	% Solids	12/23/08 13:20	JOC	

Classical Chemistry Parameters

Description: S-29
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-34
 Sampled: 12/18/08 09:10
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 87.3

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Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analysed	By	Notes
% Solids [NA]	87		% by Weight	1	0.1	0.1	8L23012	% Solids	12/23/08 13:20	JOC	

Classical Chemistry Parameters

Description: S-30
 Matrix: Soil
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-35
 Sampled: 12/18/08 09:20
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 87.5

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Analysite [CAS Number]	Results	Flag	Units	% by Weight	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
	87				1	0.1	0.1	8L23012	% Solids	12/29/08 13:20	JOC	

Classical Chemistry Parameters

Description: S-31
 Matrix: Soil
 Project: Pandry #832, Greenville, NC
 Lab Sample ID: C813349-36
 Sampled: 12/18/08 09:30
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 86.8

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Analyte [CAS Number]	Results	Flag	Units	% by Weight	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	98				1	0.1	0.1	BL23012	% Solids	12/23/08 13:20	JOC	

Classical Chemistry Parameters

Description: S-32
 Matrix: Soil
 Project: Panby #832, Greenville, NC
 Lab Sample ID: C813349-37
 Sampled: 12/18/08 10:15
 Sampled By: Client
 Received: 12/18/08 15:45
 Work Order: C813349
 % Solids: 97.9

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Analyte [CAS Number]

% Solids [NA]

Results

Flag

Units

DF

MDL

MRL

Batch

Method

Analyzed

By

Notes

Classical Chemistry Parameters

Description: S-33

Matrix: Soil

Project: Panty #832, Greenville, NC

Lab Sample ID: C813349-38

Sampled: 12/18/08 10:25

Sampled By: Client

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 97.7

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Analyte [CAS Number]

% Solids [NA]

Results

Flag

Units

% by Weight

DF

MDL

MRL

Batch

Method

Analyzed

BY

Notes

Classical Chemistry Parameters

Description: S-34

Matrix: Soil

Project: Panty #832, Greenville, NC

Lab Sample ID: C813349-39

Sampled: 12/18/08 10:30

Sampled By: Client

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 98.0

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Analyte [CAS Number] % Solids [NA]

Results 98

Flag

Units % by Weight

DF 1

MDL 0.1

MRL 0.1

Batch 8L23012

Method % Solids

Analyzed 12/23/08 13:20

By JOC

Notes

Classical Chemistry Parameters

Description: S-35

Matrix: Soil

Project: Panby #832, Greenville, NC

Lab Sample ID: C813349-40

Sampled: 12/18/08 11:00

Sampled By: Client

Received: 12/18/08 15:45

Work Order: C813349

% Solids: 97.8

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Analyte [CAS Number]	Results	Unit	DF	Units	DF	MOL	MRL	Batch	Method	Analyzed	By	Notes
Methylene chloride [75-09-2] ✓	0.53	ug/L	1	ug/L	1	0.53	2.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Methyl-tert-butyl Ether [1634-04-4] ✓	0.38	ug/L	1	ug/L	1	0.38	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Naphthalene [91-20-3] ✓	0.39	ug/L	1	ug/L	1	0.39	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
n-Butyl Benzene [104-51-8] ✓	0.20	ug/L	1	ug/L	1	0.20	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
n-Propyl Benzene [103-65-1] ✓	0.30	ug/L	1	ug/L	1	0.30	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
o-Xylene [95-47-6] ✓	0.27	ug/L	1	ug/L	1	0.27	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
sec-Butylbenzene [135-98-8] ✓	0.24	ug/L	1	ug/L	1	0.24	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Styrene [100-42-5] ✓	0.26	ug/L	1	ug/L	1	0.26	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
tert-Butylbenzene [98-06-6] ✓	0.28	ug/L	1	ug/L	1	0.28	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Tetrahydroethene [127-18-4] ✓	0.36	ug/L	1	ug/L	1	0.36	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Toluene [108-88-3] ✓	0.27	ug/L	1	ug/L	1	0.27	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
trans-1,2-Dichloroethene [156-60-5] ✓	0.34	ug/L	1	ug/L	1	0.34	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
trans-1,3-Dichloropropene [10061-02-6] ✓	0.39	ug/L	1	ug/L	1	0.38	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Trichloroethene [79-01-6] ✓	0.38	ug/L	1	ug/L	1	0.38	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Trichlorofluoromethane [75-69-4] ✓	0.28	ug/L	1	ug/L	1	0.28	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Vinyl chloride [75-01-4] ✓	0.30	ug/L	1	ug/L	1	0.30	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Xylenes (Total) [1330-20-7]	0.40	ug/L	1	ug/L	1	0.40	1.0	8L19022	EPA 8260B	12/19/08 18:29	REF	
Surrogates												
4-Ethylchlorobenzene	45		1	50.0	89 %	51-122		8L19022	EPA 8260B	12/19/08 18:29	REF	
Dibromofluoromethane	54		1	50.0	109 %	68-117		8L19022	EPA 8260B	12/19/08 18:29	REF	
Toluene-d8	48		1	50.0	96 %	69-110		8L19022	EPA 8260B	12/19/08 18:29	REF	

✓ - ENCO Cary certified analyte [MC 591]

Volatile Organic Compounds by GC/MS

Description: Trip Blank
 Matrix: Water
 Project: Panty #832, Greenville, NC
 Lab Sample ID: C813349-41
 Sampled: 12/15/08 08:15
 Work Order: C813349
 Received: 12/18/08 15:45
 Sampled By: Client



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Analyte	Result	Flag	MRL	Units	Spike Level	Source	%REC	Limit	RPD	Notes
1,1-Dichloroethane	19		1.0	ug/L	20.0	0.30 U	94	67-131		
Benzene	19		1.0	ug/L	20.0	0.17 U	94	81-128		
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	90	94-125		
Toluene	18		1.0	ug/L	20.0	0.20 U	92	84-120		
Trichloroethene	18		1.0	ug/L	20.0	0.27 U	91	77-119		
Surrogate: 4-Bromofluorobenzene	38			ug/L	50.0		76	61-118		
Surrogate: Dibromofluoromethane	47			ug/L	50.0		94	73-101		
Surrogate: Toluene-d8	40			ug/L	50.0		80	63-114		

Matrix Spike (818009-MS1) Source: C813794-15
 Prepared: 12/18/2008 10:45 Analyzed: 12/18/2008 13:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source	%REC	Limit	RPD	Notes
1,1-Dichloroethane	18		1.0	ug/L	20.0	0.30 U	91	67-131		
Benzene	18		1.0	ug/L	20.0	0.17 U	92	81-128		
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	91	94-125		
Toluene	18		1.0	ug/L	20.0	0.20 U	91	84-120		
Trichloroethene	19		1.0	ug/L	20.0	0.27 U	93	77-119		
Surrogate: 4-Bromofluorobenzene	39			ug/L	50.0		78	61-118		
Surrogate: Dibromofluoromethane	48			ug/L	50.0		97	73-101		
Surrogate: Toluene-d8	40			ug/L	50.0		79	63-114		

ICS (818009-B91) Prepared: 12/18/2008 10:45 Analyzed: 12/18/2008 13:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source	%REC	Limit	RPD	Notes
Isopropylbenzene	0.0015	U	0.0010	mg/kg wet						
m,p-Xylenes	0.0037	U	0.0020	mg/kg wet						
Methylene Chloride	0.0056	U	0.0010	mg/kg wet						
Methyl-tert-Butyl Ether	0.0030	U	0.0010	mg/kg wet						
Naphthalene	0.0024	U	0.0010	mg/kg wet						
n-Butyl Benzene	0.0022	U	0.0010	mg/kg wet						
n-Propyl Benzene	0.0018	U	0.0010	mg/kg wet						
o-Xylene	0.0022	U	0.0010	mg/kg wet						
sec-Butylbenzene	0.0022	U	0.0010	mg/kg wet						
Styrene	0.0017	U	0.0010	mg/kg wet						
tert-Butylbenzene	0.0016	U	0.0010	mg/kg wet						
Tetrachloroethene	0.0028	U	0.0010	mg/kg wet						
Toluene	0.0020	U	0.0010	mg/kg wet						
trans-1,2-Dichloroethene	0.0037	U	0.0010	mg/kg wet						
trans-1,3-Dichloropropene	0.0039	U	0.0010	mg/kg wet						
Trichloroethene	0.0027	U	0.0010	mg/kg wet						
Trichlorofluoromethane	0.0026	U	0.0010	mg/kg wet						
Vinyl chloride	0.0024	U	0.0010	mg/kg wet						
Xylenes (Total)	0.0056	U	0.0020	mg/kg wet						
Surrogate: 4-Bromofluorobenzene	41			ug/L	50.0		81	61-118		
Surrogate: Dibromofluoromethane	46			ug/L	50.0		97	73-101		
Surrogate: Toluene-d8	40			ug/L	50.0		80	63-114		

Blank (818009-BL1) Continued Prepared: 12/18/2008 10:45 Analyzed: 12/18/2008 12:44

Batch 818009 - EPA 5035.M5

Volatile Organic Compounds by GCMS - Quality Control

QUALITY CONTROL





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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Bath 8119022 - EPA 5030B MS

Blank (8119022-BLK1) Continued

Prepared: 12/19/2008 09:43 Analyzed: 12/19/2008 15:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source	%REC	Limits	RPD	RPD Limit	Notes
---------	--------	------	-----	-------	-------------	--------	------	--------	-----	-----------	-------

Bromodichloromethane	0.37	U	1.0	ug/L							
Bromomethane	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropyl Ether	0.21	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	2.0	ug/L							
Methyl-tert-butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethane	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	44		50.0	ug/L			98	51-122			
Surrogate: Dibromofluoromethane	55		50.0	ug/L			110	69-117			
Surrogate: Toluene-d8	47		50.0	ug/L			95	69-110			

LCS (8119022-B51)

Prepared: 12/19/2008 09:43 Analyzed: 12/19/2008 16:02

Analyte	Result	Flag	MRL	Units	Spike Level	Source	%REC	Limits	RPD	RPD Limit	Notes
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1,1-Dichloroethene	20		20.0	ug/L			102	75-133			
Benzene	20		20.0	ug/L			102	81-134			
Chlorobenzene	19		20.0	ug/L			97	83-117			
Toluene	19		20.0	ug/L			96	71-118			
Trichloroethene	21		20.0	ug/L			107	75-115			

Gasoline Range Organics by GC - Quality Control

QUALITY CONTROL

Batch 8L1909 - EPA 5035

Matrix Spike (8L1909-MS1)

Prepared: 12/19/2008 08:56 Analyzed: 12/19/2008 18:05

Source: C813794-19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
GRO (C6-C10)	54	B	5.5	mg/kg wet	50.8	2.1	102	45-162	RPD	
Surrogate: 2,5-Dibromobutane										
	11			mg/kg wet	10.1		105	28-139		

Matrix Spike Dup (8L1909-MSD1)

Prepared: 12/19/2008 08:56 Analyzed: 12/19/2008 18:36

Source: C813794-19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
GRO (C6-C10)	51	B	5.5	mg/kg wet	50.3	2.1	98	45-162	RPD	4
Surrogate: 2,5-Dibromobutane										
	11			mg/kg wet	10.1		111	28-139		24

Batch 8L1910 - EPA 5035

Blank (8L1910-BLK1)

Prepared: 12/19/2008 08:58 Analyzed: 12/19/2008 17:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
GRO (C6-C10)	28	J	8.7	mg/kg wet					RPD	
Surrogate: 2,5-Dibromobutane										
	14			mg/kg wet	15.8		67	28-139		

LCS (8L1910-B51)

Prepared: 12/19/2008 08:58 Analyzed: 12/19/2008 19:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
GRO (C6-C10)	44	B	5.5	mg/kg wet	50.1		88	51-115	RPD	
Surrogate: 2,5-Dibromobutane										
	11			mg/kg wet	10.0		106	28-139		

Matrix Spike (8L1910-MS1)

Prepared: 12/19/2008 08:58 Analyzed: 12/19/2008 19:38

Source: C813794-20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
GRO (C6-C10)	51	B	5.5	mg/kg wet	50.3	1.3	99	45-162	RPD	
Surrogate: 2,5-Dibromobutane										
	10			mg/kg wet	10.1		104	28-139		

Matrix Spike Dup (8L1910-MSD1)

Prepared: 12/19/2008 08:58 Analyzed: 12/19/2008 20:09

Source: C813794-20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
GRO (C6-C10)	53	B	5.5	mg/kg wet	50.0	1.3	104	45-162	RPD	5
Surrogate: 2,5-Dibromobutane										
	10			mg/kg wet	10.0		104	28-139		24



ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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 1800 Peachtree Industrial Blvd
 Atlanta, GA 30329
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Page 1 of 4

Client Name AD Blaw & Associates Inc. (M2031)	Project Name [Blank]	Regional Address [Blank]	Requestor Name [Blank]
Address 1001 Elm Hill Lane	City/State/Zip Spartanburg, SC 29303	Requestor Title [Blank]	Requestor Signature [Blank]
Agency Harrison Co. W/ 20074	Field Office [Blank]	Requestor Phone [Blank]	Requestor Date [Blank]
ID 7041702074	For 7041702074	Requestor Email [Blank]	Requestor Title [Blank]
Sample Name, Provider, Point [Blank]	Sample ID [Blank]	Requestor Address [Blank]	Requestor City/State/Zip [Blank]
Sampling Method [Blank]	Field # [Blank]	Requestor State [Blank]	Requestor Country [Blank]

Event	Sample ID (if used)	Container	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp
1	8-10-08	↓	8:15	50	8:30	50	8:45	50	9:00	50	9:15	50	9:30	50	9:45	50
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

Collection Date 12/10/08	Collection Time 11:11 AM	Collector [Signature]	Supervisor [Signature]	Inspector [Signature]	Requestor [Signature]	Requestor Title [Blank]	Requestor Address [Blank]	Requestor City/State/Zip [Blank]	Requestor Country [Blank]
Sample ID C 313 3012	Sample Name [Blank]	Sample Point [Blank]	Sample Location [Blank]	Sample Date 12/10/08	Sample Time 11:11 AM	Sample Collector [Signature]	Sample Supervisor [Signature]	Sample Inspector [Signature]	Sample Requestor [Signature]



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4870 Macmillan Road, Suite 200
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 Phone: (508) 252-1400
 Fax: (508) 252-1401
 E-mail: info@enclabs.com

Page 3 of 4

Client: MT Shaw & Associates, Inc. (M041)	Project: Project	Requested Analysis:	
Address: 2951 Elm Hill Lane	Project Location: Trinity School, Shawville, NC	Sample ID: MT 0813349	Requested Date: 10/27/08
City/State: Montreat, NC 28658	Analytical Lab: ENCLABS	Sample Description: PHOSPHATE	Method: As per Method
Reference Method: APHA 8000	Laboratory: ENCLABS	Sample Matrix: Water	Method Reference: APHA 8000
Standard Addition: None	Sample Preparation: None	Requested Report: As per Method	

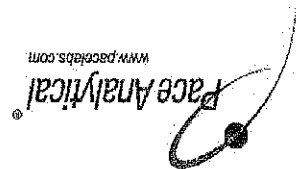
Time	Sample ID	Collection Date	Collector	Container	Volume	Mass	Initial	Final	Analysis	Method	Notes
12:16	S1A	12-16-08	1612	645	50	2	X	X	PHOSPHATE	APHA 8000	
12:17	S1B	12-17-08	1613		50	2	X	X	PHOSPHATE	APHA 8000	
12:18	S1C	12-18-08	1614		50	2	X	X	PHOSPHATE	APHA 8000	
12:19	S1D	12-19-08	1615		50	2	X	X	PHOSPHATE	APHA 8000	
12:20	S1E	12-20-08	1616		50	2	X	X	PHOSPHATE	APHA 8000	
12:21	S1F	12-21-08	1617		50	2	X	X	PHOSPHATE	APHA 8000	
12:22	S1G	12-22-08	1618		50	2	X	X	PHOSPHATE	APHA 8000	
12:23	S1H	12-23-08	1619		50	2	X	X	PHOSPHATE	APHA 8000	
12:24	S1I	12-24-08	1620		50	2	X	X	PHOSPHATE	APHA 8000	
12:25	S1J	12-25-08	1621		50	2	X	X	PHOSPHATE	APHA 8000	
12:26	S1K	12-26-08	1622		50	2	X	X	PHOSPHATE	APHA 8000	
12:27	S1L	12-27-08	1623		50	2	X	X	PHOSPHATE	APHA 8000	
12:28	S1M	12-28-08	1624		50	2	X	X	PHOSPHATE	APHA 8000	
12:29	S1N	12-29-08	1625		50	2	X	X	PHOSPHATE	APHA 8000	
12:30	S1O	12-30-08	1626		50	2	X	X	PHOSPHATE	APHA 8000	

Name: John Miller	Title: Manager	Signature: <i>[Signature]</i>	
Date: 12/18/08	Location: Trinity School	Sample ID: MT 0813349	Method: APHA 8000
Project: Project	Analytical Lab: ENCLABS	Sample Description: PHOSPHATE	Method Reference: APHA 8000
Reference Method: APHA 8000	Laboratory: ENCLABS	Sample Matrix: Water	Method Reference: APHA 8000
Standard Addition: None	Sample Preparation: None	Requested Report: As per Method	

I hereby certify that the above information is true and correct to the best of my knowledge and belief, and that the sample was collected and handled in accordance with the procedures of the Environmental Conservation Laboratories.



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Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (628)254-7176
Pace Analytical Services, Inc. 9800 Kinney Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

January 12, 2009

Mr. Chuck Smith
ENCO Labs
102-A Woodwinds Industrial Ct.
Cary, NC 27511

RE: Project: C814938
Pace Project No.: 9235377

Dear Mr. Smith:

Enclosed are the analytical results for sample(s) received by the laboratory on January 06, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Brenda Pathammavong

brenda.pathammavong@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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REPORT OF LABORATORY ANALYSIS

Project: C814938
 Pace Project No.: 9235377

Lab ID	Sample ID	Method	Analysts	Reported Laboratory
9235377001	MW-1	SM 6200B	MCK	PAS-C
9235377002	TRIP BLANK	SM 6200B	MCK	PAS-C

SAMPLE ANALYTE COUNT

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)264-7176

Pace Analytical Services, Inc.
 9500 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)975-9092





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REPORT OF LABORATORY ANALYSIS

Date: 01/12/2009 03:28 PM

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Benzene	ND ug/L		0.50	1		01/08/09 19:56	71-43-2	
Bromobenzene	ND ug/L		0.50	1		01/08/09 19:56	108-86-1	
Bromochloromethane	ND ug/L		0.50	1		01/08/09 19:56	74-87-5	
Bromodichloromethane	ND ug/L		0.50	1		01/08/09 19:56	75-27-4	
Bromoform	ND ug/L		0.50	1		01/08/09 19:56	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/08/09 19:56	74-83-9	
n-Butylbenzene	ND ug/L		0.50	1		01/08/09 19:56	104-51-8	
sec-Butylbenzene	ND ug/L		0.50	1		01/08/09 19:56	135-98-8	
tert-Butylbenzene	ND ug/L		0.50	1		01/08/09 19:56	98-06-6	
Carbon tetrachloride	ND ug/L		0.50	1		01/08/09 19:56	56-23-5	
Chlorobenzene	ND ug/L		0.50	1		01/08/09 19:56	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/08/09 19:56	75-00-3	
Chloroform	ND ug/L		0.50	1		01/08/09 19:56	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/08/09 19:56	74-87-3	
2-Chlorotoluene	ND ug/L		0.50	1		01/08/09 19:56	95-49-8	
4-Chlorotoluene	ND ug/L		0.50	1		01/08/09 19:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		1.0	1		01/08/09 19:56	96-12-8	
Dibromochloromethane	ND ug/L		0.50	1		01/08/09 19:56	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		0.50	1		01/08/09 19:56	106-93-4	
Dibromomethane	ND ug/L		0.50	1		01/08/09 19:56	74-95-3	
1,2-Dichlorobenzene	ND ug/L		0.50	1		01/08/09 19:56	95-50-1	
1,3-Dichlorobenzene	ND ug/L		0.50	1		01/08/09 19:56	541-73-1	

6200B MSV Analytical Method: SM 6200B

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: TRIP BLANK								
Lab ID: 923637702 Collected: 12/30/08 11:40 Received: 01/06/09 10:00 Matrix: Water								

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Tetrachloroethene	ND ug/L		0.50	1		01/09/09 02:19	127-18-4	
Toluene	4.0 ug/L		0.50	1		01/09/09 02:19	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		2.0	1		01/09/09 02:19	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		2.0	1		01/09/09 02:19	120-82-1	
1,1,1-Trichloroethane	ND ug/L		0.50	1		01/09/09 02:19	71-55-6	
1,1,2-Trichloroethane	ND ug/L		0.50	1		01/09/09 02:19	79-00-5	
Trichloroethene	ND ug/L		0.50	1		01/09/09 02:19	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/09/09 02:19	75-69-4	
1,2,3-Trichloropropane	ND ug/L		0.50	1		01/09/09 02:19	96-18-4	
1,2,4-Trimethylbenzene	107 ug/L		0.50	1		01/09/09 02:19	95-63-6	
1,3,5-Trimethylbenzene	41.9 ug/L		0.50	1		01/09/09 02:19	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/09/09 02:19	75-01-4	
m,p-Xylene	163 ug/L		1.0	1		01/09/09 02:19	1330-20-7	
o-Xylene	11.0 ug/L		0.50	1		01/09/09 02:19	95-47-6	
1,2-Dichloroethane-d4 (S)	101 %		70-130	1		01/09/09 02:19	17060-07-0	
Dibromofluoromethane (S)	101 %		70-130	1		01/09/09 02:19	1868-53-7	
4-Bromofluorobenzene (S)	100 %		70-130	1		01/09/09 02:19	460-00-4	
Toluene-d6 (S)	90 %		70-130	1		01/09/09 02:19	2037-26-5	

6200B MSV Analytical Method: SM 6200B

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-1								
Lab ID: 923637701 Collected: 12/30/08 11:40 Received: 01/06/09 10:00 Matrix: Water								

Project: C814938
Face Project No.: 9235377

ANALYTICAL RESULTS

Face Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)264-1776
Face Analytical Services, Inc. 9800 Kinney Ave. Suite 100 Huntersville, NC 28078 (704)875-9092





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Face Analytical Services, Inc.
 9600 Kinney Ave, Suite 100
 Huntersville, NC 28078
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QUALITY CONTROL DATA

Project: C814938
 Face Project No.: 9235377

QC Batch: MSV/5814
 QC Batch Method: SM 6200B
 Analysis Method: SM 6200B
 Analysis Description: 6200B MSV

Associated Lab Samples: 9235377001, 9235377002

METHOD BLANK: 220558

Matrix: Water

Associated Lab Samples: 9235377001, 9235377002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	01/08/09 19:08	
1,1,1-Trichloroethane	ug/L	ND	0.50	01/08/09 19:08	
1,1,2-Tetrachloroethane	ug/L	ND	0.50	01/08/09 19:08	
1,1,2-Trichloroethane	ug/L	ND	0.50	01/08/09 19:08	
1,1-Dichloroethane	ug/L	ND	0.50	01/08/09 19:08	
1,1-Dichloropropene	ug/L	ND	0.50	01/08/09 19:08	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	01/08/09 19:08	
1,2,3-Trichloropropene	ug/L	ND	0.50	01/08/09 19:08	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	01/08/09 19:08	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	01/08/09 19:08	
1,2-Dibromo-3-chloropropene	ug/L	ND	1.0	01/08/09 19:08	
1,2-Dichlorobenzene (EDB)	ug/L	ND	0.50	01/08/09 19:08	
1,2-Dichlorobenzene	ug/L	ND	0.50	01/08/09 19:08	
1,2-Dichloroethane	ug/L	ND	0.50	01/08/09 19:08	
1,2-Dichloropropene	ug/L	ND	0.50	01/08/09 19:08	
1,3-Dichlorobenzene	ug/L	ND	0.50	01/08/09 19:08	
1,3-Dichloropropene	ug/L	ND	0.50	01/08/09 19:08	
1,4-Dichlorobenzene	ug/L	ND	0.50	01/08/09 19:08	
2,2-Dichloropropene	ug/L	ND	0.50	01/08/09 19:08	
2-Chlorotoluene	ug/L	ND	0.50	01/08/09 19:08	
4-Chlorotoluene	ug/L	ND	0.50	01/08/09 19:08	
Benzene	ug/L	ND	0.50	01/08/09 19:08	
Bromobenzene	ug/L	ND	0.50	01/08/09 19:08	
Bromochloroethane	ug/L	ND	0.50	01/08/09 19:08	
Bromodichloroethane	ug/L	ND	0.50	01/08/09 19:08	
Bromofrom	ug/L	ND	0.50	01/08/09 19:08	
Bromomethane	ug/L	ND	1.0	01/08/09 19:08	
Carbon tetrachloride	ug/L	ND	0.50	01/08/09 19:08	
Chlorobenzene	ug/L	ND	0.50	01/08/09 19:08	
Chloroethane	ug/L	ND	1.0	01/08/09 19:08	
Chlorofrom	ug/L	ND	0.50	01/08/09 19:08	
Chloromethane	ug/L	ND	1.0	01/08/09 19:08	
cis-1,2-Dichloroethene	ug/L	ND	0.50	01/08/09 19:08	
cis-1,3-Dichloropropene	ug/L	ND	0.50	01/08/09 19:08	
Dibromochloroethane	ug/L	ND	0.50	01/08/09 19:08	
Dibromomethane	ug/L	ND	0.50	01/08/09 19:08	
Dichlorodifluoromethane	ug/L	ND	0.50	01/08/09 19:08	
Dichloroethyl ether	ug/L	ND	0.50	01/08/09 19:08	
Ethylbenzene	ug/L	ND	0.50	01/08/09 19:08	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	01/08/09 19:08	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	01/08/09 19:08	

REPORT OF LABORATORY ANALYSIS

Date: 01/12/2009 03:28 PM

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 (828)254-7176

Face Analytical Services, Inc.
 8600 Kinney Ave, Suite 100
 Huntersville, NC 28078
 (704)875-9092

QUALITY CONTROL DATA

Project: C814938
 Face Project No.: 9235377

LABORATORY CONTROL SAMPLE: 220557

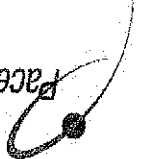
Parameter	Units	Spike Conc	LCS Result	% Rec	Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	10	10.7	107	60-140	
2-Chlorotoluene	ug/L	10	10.6	106	60-140	
4-Chlorotoluene	ug/L	10	11.0	110	60-140	
Benzene	ug/L	10	10.3	103	60-140	
Bromobenzene	ug/L	10	10.7	107	60-140	
Bromochloromethane	ug/L	10	6.4	64	60-140	
Bromodichloromethane	ug/L	10	9.9	99	60-140	
Bromomethane	ug/L	10	10.9	109	60-140	
Bromomethane	ug/L	10	8.1	81	60-140	
Carbon tetrachloride	ug/L	10	10.3	103	60-140	
Chlorobenzene	ug/L	10	10.2	102	60-140	
Chloroethane	ug/L	10	10.4	104	60-140	
Chloroform	ug/L	10	9.9	99	60-140	
Chloromethane	ug/L	10	8.0	80	60-140	
cis-1,2-Dichloroethane	ug/L	10	10.3	103	60-140	
cis-1,3-Dichloropropene	ug/L	10	11.1	111	60-140	
Dibromochloromethane	ug/L	10	10.9	109	60-140	
Dibromomethane	ug/L	10	10.2	102	60-140	
Dichlorodifluoromethane	ug/L	10	9.8	98	60-140	
Diisopropyl ether	ug/L	10	9.9	99	60-140	
Ethylbenzene	ug/L	10	9.9	99	60-140	
Hexachloro-1,3-butadiene	ug/L	10	17.9	179	60-140 LO	
Isopropylbenzene (Cumene)	ug/L	10	10.2	102	60-140	
m&p-Xylene	ug/L	20	19.9	100	60-140	
Methyl-tert-butyl ether	ug/L	10	10.1	101	60-140	
Methylene Chloride	ug/L	10	10.7	107	60-140	
n-Butylbenzene	ug/L	10	11.4	114	60-140	
n-Propylbenzene	ug/L	10	10.9	109	60-140	
Naphthalene	ug/L	10	14.9	149	60-140 LO	
o-Xylene	ug/L	10	10.1	101	60-140	
p-Isopropyltoluene	ug/L	10	11.7	117	60-140	
sec-Butylbenzene	ug/L	10	11.0	110	60-140	
Styrene	ug/L	10	10.5	105	60-140	
tert-Butylbenzene	ug/L	10	11.7	117	60-140	
Tetrachloroethene	ug/L	10	9.7	97	60-140	
Toluene	ug/L	10	10	100	60-140	
trans-1,2-Dichloroethene	ug/L	10	10.1	101	60-140	
trans-1,3-Dichloropropene	ug/L	10	11.1	111	60-140	
Trichloroethene	ug/L	10	10.3	103	60-140	
Trichlorofluoromethane	ug/L	10	9.5	95	60-140	
Vinyl chloride	ug/L	10	9.4	94	60-140	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			89	70-130	

REPORT OF LABORATORY ANALYSIS

Date: 01/12/2009 03:28 PM

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Face Analytical Services, Inc. 9800 Kinney Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

QUALITY CONTROL DATA

Project: C814938
Face Project No.: 9235377

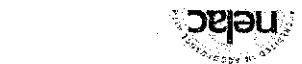
MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 220559 220560

Table with columns: Parameter, Units, Result, Conc., Spike, MSD, MS, MSD, % Rec, MSD, % Rec, RPD, Qual

Table with columns: n-Propylbenzene, Naphthalene, o-Xylene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride, 1,2-Dichloroethane-d4 (S), 4-Bromofluorobenzene (S), Dibromofluoromethane (S), Toluene-d8 (S)

REPORT OF LABORATORY ANALYSIS

Date: 01/12/2009 03:28 PM



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SUBCONTRACT ORDER

ENCO Cary

C814938

SENDING LABORATORY:

RECEIVING LABORATORY:

ENCO Cary

Face Charlotte

102-A Woodwinds Industrial Court

Face Analytical (NC)

Cary, NC 27511

2225 Riverside Drive

Phone: 919.467.3090

Ashville, NC 28804

Fax: 919.467.3515

Phone: -

Project Manager: Chuck Smith

Project State of Origin: North Carolina

Fax: -

923537

Analysis	Due	Expires	Laboratory ID	Comments
MW-1	30-Dec-08 11:40	13-Jan-09 11:40		001
6200B	14-Jan-09 15:00	13-Jan-09 11:40		
Containers Supplied:				
40mL V+HCl (D)				
40mL V+HCl (E)				
40mL V+HCl (F)				
Trip Blank	30-Dec-08 11:40			002
6200B	14-Jan-09 15:00	13-Jan-09 11:40		
Containers Supplied:				
40mL V+HCl (A)				
40mL V+HCl (B)				

Released By: _____ Date: _____

Received By: _____ Date: _____

Released By: _____ Date: _____

Received By: _____ Date: _____

Released By: _____ Date: _____

Received By: _____ Date: _____

Released By: _____ Date: _____

Received By: _____ Date: _____

Released By: _____ Date: _____

Received By: _____ Date: _____

Released By: _____ Date: _____

Received By: _____ Date: _____

Released By: _____ Date: _____



Pace Analytical Services, Inc.
 2225 Riverside Dr.
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 (828)254-7176

Pace Analytical Services, Inc.
 9600 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

December 30, 2008

Mr. Chuck Smith
 ENCO Labs
 102-A Woodwinds Industrial Ct.
 Cary, NC 27511

RE: Project: C813349
 Pace Project No.: 9234721

Dear Mr. Smith:

Enclosed are the analytical results for sample(s) received by the laboratory on December 19, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Brenda Pathammavong

Brenda Pathammavong

brenda.pathammavong@pacelabs.com
 Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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REPORT OF LABORATORY ANALYSIS

Lab ID	Sample ID	Method	Analysts	Reported	Laboratory
9234721001	EX-1	ASTM D2974-87	BKM	1	PASI-C
9234721002	EX-2	ASTM D2974-87	BKM	1	PASI-C
9234721003	EX-3	ASTM D2974-87	BKM	1	PASI-C
9234721004	EX-4	ASTM D2974-87	BKM	1	PASI-C
9234721005	EX-5	ASTM D2974-87	BKM	1	PASI-C
		MADDP VPH	DHW	5	PASI-C

Project: C813349
Pace Project No.: 9234721

SAMPLE ANALYTE COUNT

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28604
 (828)254-7176

Pace Analytical Services, Inc.
 9800 Kinsey Ave, Suite 100
 Huntersville, NC 28078
 (704)975-9092





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REPORT OF LABORATORY ANALYSIS

Date: 12/30/2008 12:02 PM

Page 5 of 7

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: EX-4								
Lab ID: 9234721004 Collected: 12/18/08 15:10 Received: 12/19/08 10:20 Matrix: Solid								
<i>Results reported on a "dry-weight" basis</i>								
Aliphatic (C05-C06)	ND mg/kg		11.1	1	12/23/08 16:08	12/24/08 01:54		
Aliphatic (C09-C12)	ND mg/kg		11.1	1	12/23/08 16:08	12/24/08 01:54		
Aromatic (C09-C10)	ND mg/kg		11.1	1	12/23/08 16:08	12/24/08 01:54		
2,5-Dibromotoluene (PID)(S)	120 %		70-130	1	12/23/08 16:08	12/24/08 01:54		
2,5-Dibromotoluene (FID)(S)	118 %		70-130	1	12/23/08 16:08	12/24/08 01:54		
Analytical Method: ASTM D2974-87								
Percent Moisture	13.1 %		0.10	1	12/23/08 16:08	12/23/08 13:40		
Sample: EX-5								
Lab ID: 9234721005 Collected: 12/18/08 15:20 Received: 12/19/08 10:20 Matrix: Solid								
<i>Results reported on a "dry-weight" basis</i>								
Aliphatic (C05-C08)	ND mg/kg		8.5	1	12/23/08 16:08	12/24/08 02:23		
Aliphatic (C09-C12)	ND mg/kg		8.5	1	12/23/08 16:08	12/24/08 02:23		
Aromatic (C09-C10)	ND mg/kg		8.5	1	12/23/08 16:08	12/24/08 02:23		
2,5-Dibromotoluene (PID)(S)	119 %		70-130	1	12/23/08 16:08	12/24/08 02:23		
2,5-Dibromotoluene (FID)(S)	120 %		70-130	1	12/23/08 16:08	12/24/08 02:23		
Analytical Method: ASTM D2974-87								
Percent Moisture	13.3 %		0.10	1	12/23/08 16:08	12/23/08 13:40		

VPH NC Soil Analytical Method: MADEP VPH Preparation Method: MADEP VPH

ANALYTICAL RESULTS

Project: C813349
Pace Project No.: 9234721



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REPORT OF LABORATORY ANALYSIS

Date: 12/30/2008 12:02 PM

Page 7 of 7

LABORATORIES

PAS-C Pace Analytical Services - Charlotte

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

NC - Not Calculable

RPD - Relative Percent Difference

DUP - Sample Duplicate

MS(D) - Matrix Spike (Duplicate)

LC(S/D) - Laboratory Control Sample (Duplicate)

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

1,2-Diphenylhydrazine (B270 listed analyte) decomposes to Azobenzene.

S - Surrogate

MDL - Adjusted Method Detection Limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

ND - Not Detected at or above adjusted reporting limit.

the sample aliquot, or moisture content.

DF - Dilution Factor. If reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of

DEFINITIONS

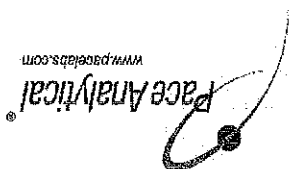
Pace Project No.: 9234721

Project: C813349

QUALIFIERS

Pace Analytical Services, Inc.
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Asheville, NC 28604
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092



Sample Condition Upon Receipt

Face Analytical

Client Name: EMO

Project # 9 234721

Optional
 Proj. Due Date: N/A
 Proj. Name: N/A

Counter: Fed Ex UPS USPS Client Commercial Pace Other _____
 Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used: 1060
 Cooler Temperature: 6.0
 Temp should be above freezing to 5°C
 Biological Tissue is Frozen: Yes No N/A
 Type of Ice: Ice Blue None
 Samples on Ice, cooling process has begun

Date and Initials of person examining contents: 00/12/19

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13
-Includes date/time/D/Analysis Matrix:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16
exceptions: VOA, coliform, TOC, O&G, MR-PRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	18
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	19
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	20
Pace Trip Blank Lot # (if purchased):	N/A	

Client Notification/Resolution: _____
 Person Contacted: _____
 Date/Time: _____
 Field Data Required? Y / N / N/A

Comments/Resolution: _____

Project Manager Review: _____

Date: 12/19/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (ie. out of hold, incorrect preservation, etc.)

Parameter
EPA 6010B
MAVPH

Client ID	Sample ID	Lab ID	Received	Analysis Date/Time(s)	Prep Date/Time(s)	Hold Date/Time(s)
MW-1	681493B-01	12/30/08 11:40	12/30/08 13:30	1/6/2009 16:46	12/30/08 10:29	01/02/09
				1/7/2009 08:54	01/06/09 14:36	01/13/09

SAMPLE SUMMARY/LABORATORY CHRONICLE

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Analyte [CAS Number]	Results	Flag	Units	DE	MDL	MRL	Batch	Method	Analyzed	By	Notes
C5-C8 Aliphatics [NA] ✓	398	D	ug/L	5	15.0	150	9A06018	MAVPH	01/07/09 08:54		bpk
C9-C10 Aliphatics [NA] ✓	2100	D	ug/L	5	12	100	9A06018	MAVPH	01/07/09 08:54		bpk
C9-C12 Aliphatics [NA] ✓	284	D	ug/L	5	140	150	9A06018	MAVPH	01/07/09 08:54		bpk
Surrogates											
2,5-Dibromotoluene (TID)	97.0	I	100	97%	70-130	70-130	9A06018	MAVPH	01/07/09 08:54		bpk
2,5-Dichlorotoluene (TID)	100	I	100	104%	70-130	70-130	9A06018	MAVPH	01/07/09 08:54		bpk

Volatiles Petroleum Hydrocarbons by GC

Description: MW-1
 Matrix: Ground Water
 Project: Pantry #832, Greenville, NC
 Lab Sample ID: C814938-01
 Sampled: 12/30/08 11:40
 Sampled By: Joe Baverso
 Received: 12/30/08 13:30
 Work Order: C814938

ANALYTICAL RESULTS



Matrix Spike Dup (BL30010-MSD1)
Source: C813348-21

Prepared: 12/30/2008 10:29 Analyzed: 01/06/2009 16:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
Lead	504		10.0	ug/L	500	2.0	100	69-126		

Matrix Spike (BL30010-MS1)
Source: C813348-21

Prepared: 12/30/2008 10:29 Analyzed: 01/06/2009 16:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
Lead	511		10.0	ug/L	500	102	72-121			

LCS (BL30010-B91)

Prepared: 12/30/2008 10:29 Analyzed: 01/06/2009 15:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
Lead	1.9	U	10.0	ug/L						

Blank (BL30010-BLK1)

Prepared: 12/30/2008 10:29 Analyzed: 01/06/2009 15:38

Batch BL30010 - EPA 3030C

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
CS-C8 Aliphatics	127		30.0	ug/L	120	106	70-130	8	25	
C9-C10 Aromatics	39		20	ug/L	40.0	97	70-130	0.1	25	
C9-C12 Aliphatics	141		30.0	ug/L	120	117	70-130	9	25	
Surrogate: 2,5-Dibromotoluene (FD)	117			ug/L	100	117	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	110			ug/L	100	114	70-130			

Prepared: 01/06/2009 14:36 Analyzed: 01/06/2009 16:44

LCS Dup (9A06018-BSD1)

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
CS-C8 Aliphatics	118		30.0	ug/L	120	98	70-130			
C9-C10 Aromatics	39		20	ug/L	40.0	97	70-130			
C9-C12 Aliphatics	129		30.0	ug/L	120	107	70-130			
Surrogate: 2,5-Dibromotoluene (FD)	112			ug/L	100	112	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	120			ug/L	100	117	70-130			

Prepared: 01/06/2009 14:36 Analyzed: 01/06/2009 16:01

LCS (9A06018-B91)

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Notes
CS-C8 Aliphatics	3.0	U	30.0	ug/L						
C9-C10 Aromatics	2.6	U	20	ug/L						
C9-C12 Aliphatics	28.0	U	30.0	ug/L						
Surrogate: 2,5-Dibromotoluene (FD)	119			ug/L	100	119	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	110			ug/L	100	111	70-130			

Prepared: 01/06/2009 14:36 Analyzed: 01/06/2009 14:50

Blank (9A06018-BLK1)

Batch 9A06018 - EPA 5030B

Volatile Petroleum Hydrocarbons by GC - Quality Control

QUALITY CONTROL



FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.



THIS SAMPLE IS PRESERVED FOR 90 DAYS

1	Reagent name	ID	2	Reagent name	ID
3	Reagent name	ID	4	Reagent name	ID

PH	Sample No	Metals	TPH	Ammonia	COD	Cyanide	TOC	Hardness	TKM/TOM	Oil & grease	Phenolics	NOx	Extractions	Sulfide	FL-PRO	COMMENTS
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Work order: 027463K Page: 1 of 1 Initials: BDS Date: 12/29/08
 A check mark (✓) in any space under the appropriate column heading for the selected sample indicates that the pH met the required pH.
 An asterisk (*) in any space under the appropriate column heading for the selected sample indicates that the pH was adjusted in the lab as described in the comments column.

ENVIRONMENTAL CONSERVATION LABORATORIES, INC. Sample preservation verification

Cary Jacksonville Orlando





NON RESIDENTIAL WELL CONSTRUCTION RECORD
 North Carolina Department of Environment and Natural Resources - Division of Water Quality
 WELL CONTRACTOR CERTIFICATION # 3162

1. WELL CONTRACTOR:
 Name: Walter Davis
 Well Contractor (Individual) Name
 Subsurface Enviro. Investigations
 Well Contractor Company Name
Statesville, NC 28625
 City or Town State Zip Code
 Area code - Phone number (704) 876-0010

2. WELL INFORMATION:
 SITE WELL ID #(if applicable) MW-1
 STATE WELL PERMIT #(if applicable)
 DWG or OTHER PERMIT #(if applicable)
 WELL USE (Check Applicable Box) Monitoring Municipal/Public
 Industrial/Commercial Agricultural Recovery Injection
 Irrigation Other (list use)
 DATE DRILLED 12-29-08
 TIME COMPLETED AM PM
3. WELL LOCATION:
 CITY: Statesville COUNTY: Pitt
901 S. Memorial Dr.
 (Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
 TOPOGRAPHIC / LAND SETTING:
 Slope Valley Flat Ridge Other
 (check appropriate box)
 LONGITUDE _____
 LATITUDE 3 _____
 (location of well must be shown on a USGS topo map and attached to this form if not using GPS)
4. FACILITY - is the name of the business where the well is located.
 FACILITY ID #(if applicable) _____
 NAME OF FACILITY _____
 STREET ADDRESS 901 S. Memorial Dr.
 City or Town State Zip Code
 CONTACT PERSON Billy Owens
 Mailing Address 850 Foxhall Lane
High Point, NC 28078
 City or Town State Zip Code
 Area code - Phone number (877) 463-7429

5. WELL DETAILS:
 a. TOTAL DEPTH: 20
 b. DOES WELL REPLACE EXISTING WELL? YES NO
 c. WATER LEVEL Below Top of Casing _____ FT.
 (Use +. if Above Top of Casing)

4. TOP OF CASING IS 0 FT. Above Land Surface
 *Top of casing terminated at or below land surface may require a variance in accordance with 15A NCAC 2C .0116.

e. YIELD (gpm): n/a **METHOD OF TEST:** n/a
f. DISINFECTION: Type n/a Amount _____

9. WATER ZONES (depth):
 From n/a To _____
 From _____ To _____
 From _____ To _____

6. CASING:
 Thickness/ _____
 Diameter _____ Weight _____ Material pvc
 From 5 Depth To 0
 From _____ To _____
 From _____ To _____

7. GROUT:
 Depth _____ Material Bestonite Method premix
 From 4 To 2
 From 2 To 0

8. SCREEN:
 Diameter _____ Slot Size _____ Material _____
 Depth _____
 From 20 To 5
 From 2 To 0

9. SAND/GRAVEL PACK:
 Depth _____ Size _____ Material 10/30 silica sand
 From 20 To 11
 From _____ To _____
 From _____ To _____

10. DRILLING LOG
 From _____ To _____
 Formation Description _____

11. REMARKS:

12. SIGNATURE OF CERTIFIED WELL CONTRACTOR:
Walter Davis
 DATE 1-7-09
 PRINTED NAME OF PERSON CONSTRUCTING THE WELL: Walter Davis