

EES

Engineering and Environmental Services, PLLC

Post Office Box 3009, Hickory, NC 28603

Ph: (828) 328-2991 Fax: (828) 322-2268

December 2, 2007

Mr. Ben Phillips
True North Equities, LLC
Box 11, Ortega Station
Jacksonville, FL 32210

Re: Letter report on sampling recommended in 10/23/07 Phase I
Assessment on RA-MAC, LLC; Kay Property, Yancey County, NC

Dear Mr. Phillips:

Soil samples from recommended locations, water samples from the mine ponds, and a visual inspection by a diver of the bottoms of the ponds have been completed as recommended in the referenced report. This letter is a report of the findings.

Water samples from the ponds were clean and indicated no impacts. Complete analytical results are attached. The diver reported no adverse findings from his search of the ponds. A summary of findings and conditions during the dive is attached. Soil samples were taken from locations near the underground fuel line from the heating oil storage tank to the house. The sample locations were near the line's point of entry into the ground under the tank and near the line's emergence from the ground near the house. Both samples were taken from a depth of approximately 2.75 feet. Additional samples were taken from beneath the debris pile in front of the house, from the possible mechanic's trench near the garage, from under the mining equipment, and from near the empty drum in the hillside above the ponds.

The only sample suspected of contamination based on physical appearance and odor was sample #2, from near the fuel line at its point of emergence from the ground next to the house. Analyses confirmed TPH DRO (Diesel Range Organics) levels at 7367 ppm in the soil of that sample. This level is significantly above the regulated threshold of 40 ppm and is indicative of a release of heating oil into the soil at this point from the fuel line. Notification of NCDENR of a release is required by the property owner upon his suspicion or confirmation of a release.

It is likely that the groundwater has been impacted, since the water table is probably no more than 3 feet Below Ground Surface at this location. Requirements from NCDENR for evaluation and remediation are almost certain. Soil removal cannot be accomplished with the house in place. Upon completion of demolition of the house, it is considered likely that required activities will include excavation and proper treatment or disposal of the impacted soil, characterization of impacts on the groundwater by installation and sampling of monitoring wells, and continued monitoring for up to one year if there are no groundwater impacts. You should expect an estimated cost of approximately

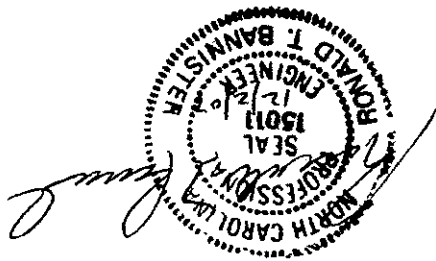
Mr. Ben Phillips
December 2, 2007
Page 2

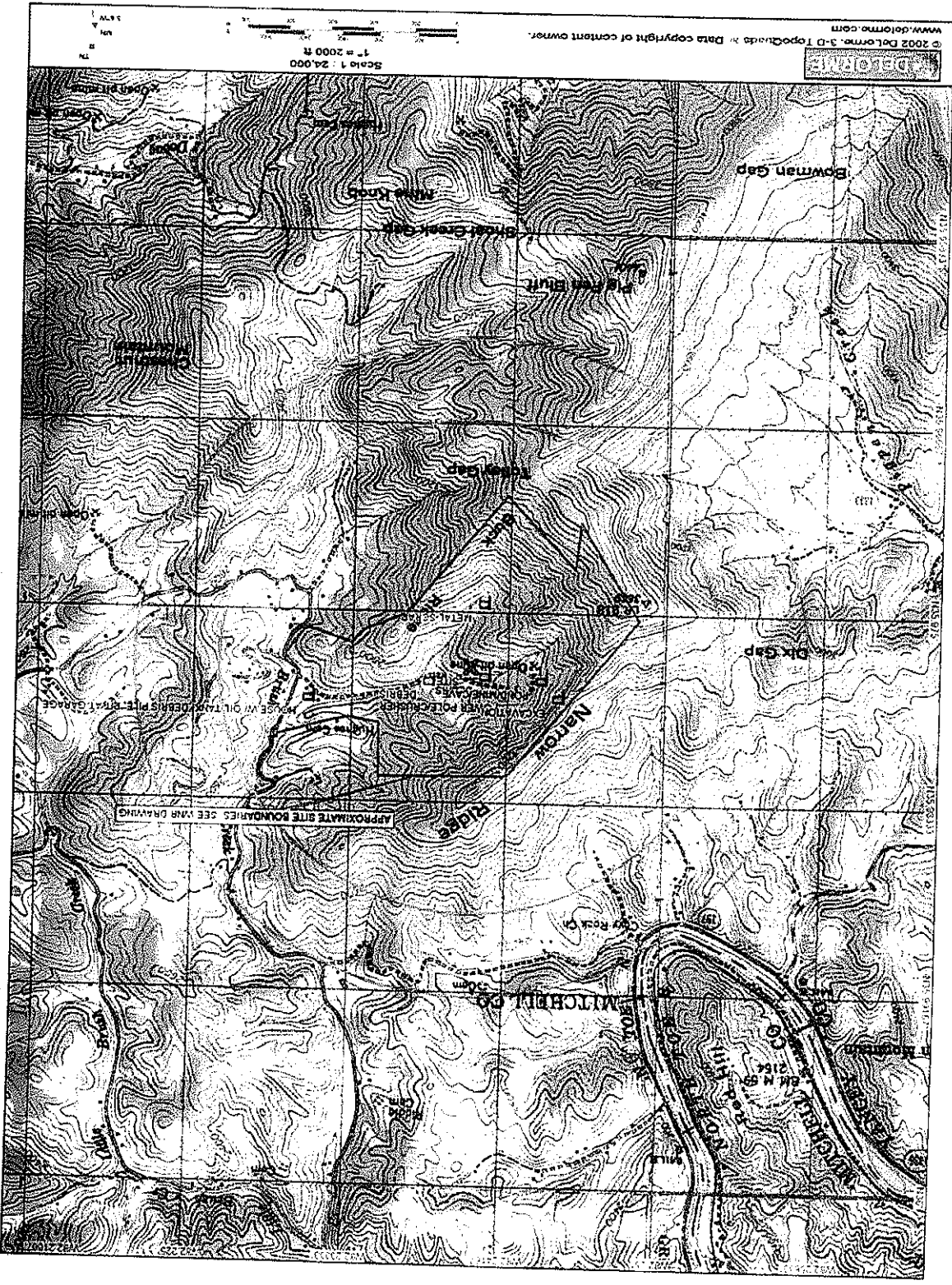
\$20,000.00 for this work, as long as the groundwater impacts are limited to the immediate area of the release.

Copies of analyses, dive summaries, and drawings are attached. Thanks again for the opportunity to work with you on this site. If you have questions, please contact me at (828)328-2991.

Sincerely,

Ronald T. Bannister
Ronald T. Bannister, P.E., Manager
Engineering and Environmental Services, PLLC





DELOMME

© 2002 DeLorme, a D Topographic Map Data copyright of content owner. www.delorme.com

Scale 1" = 2000'

1" = 2000'

Bowman Gap

Narrow Ridge

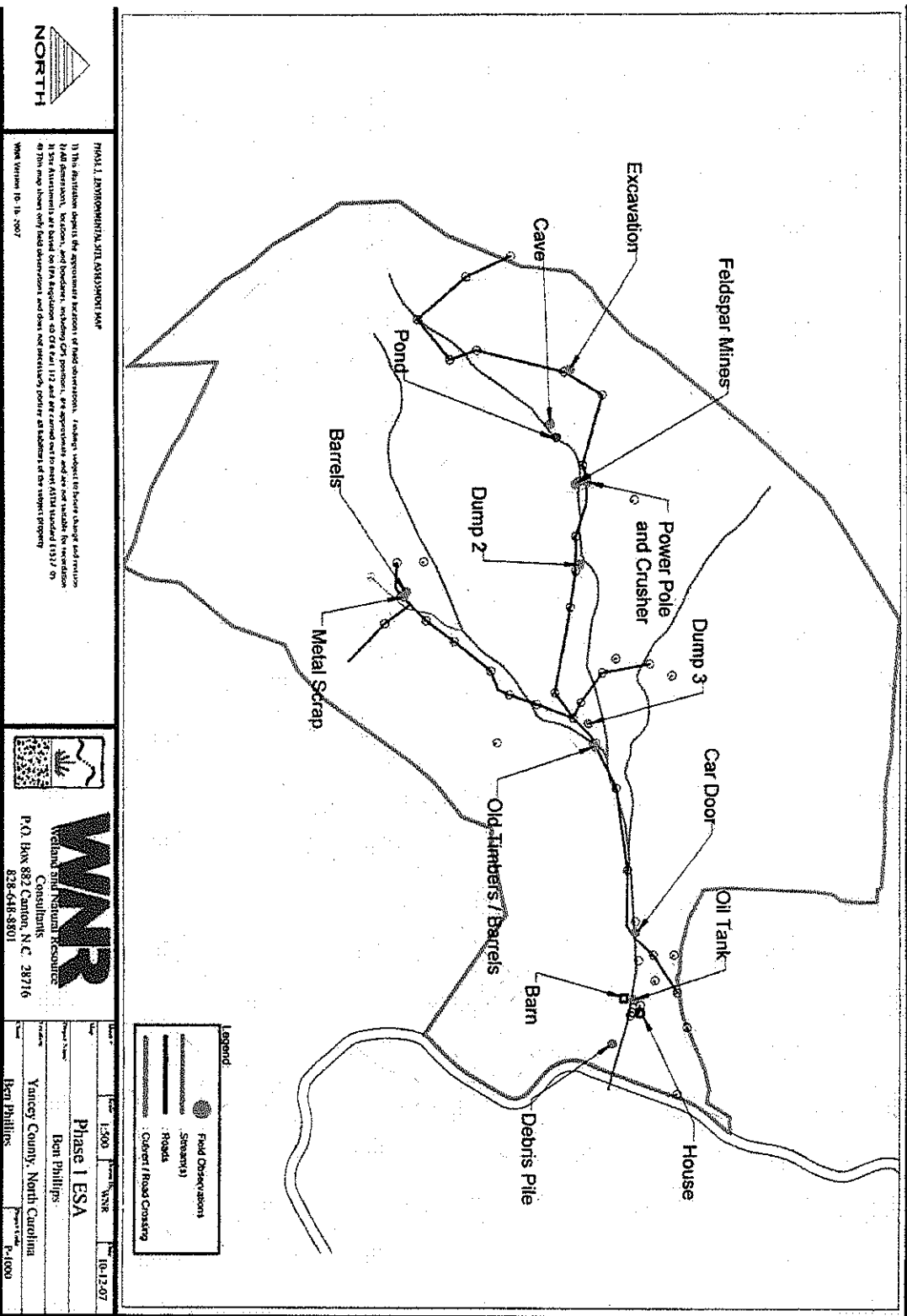
Dix Gap

Narrow Ridge

MITCHELL CO

MITCHELL CO

APPROXIMATE SITE BOUNDARIES SEE PLAN DRAWING



PHASE I, ENVIRONMENTAL MITIGATION MAP

1) This revision depicts the approximate locations of field observations, findings, subject to future change and revision. Field observations, locations, and boundaries, including GPS positions, are approximate and are not suitable for navigation. All site observations are based on EPA Region 4's CR 601.112 and are carried out to meet ASTM standard 1517.01.

2) This map shows only field observations and does not include a profile as shown on the subject property.

When Written 10-11-2007

WNR
 Wetland and Natural Resource
 Consultants
 P.O. Box 882 Canton, N.C. 28716
 828-448-8801

Project Name	Phase I ESA
Client	Ben Phillips
Location	Yancey County, North Carolina
Prepared By	Ben Phillips
Scale	1:500
Date	10-12-07

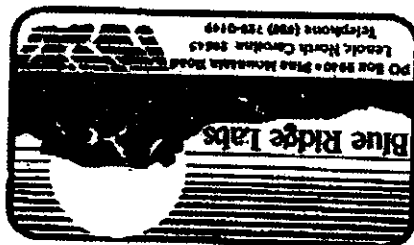
12/3/2007

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.503 / Virus Database: 269.16.9/1157 - Release Date: 11/28/2007 12:29 PM

additional dive day information:
Weather conditions: mid to lower 30's, snowing off and on, mostly cloudy with shorts periods of sun
Water temp of exterior pond: 48 degrees
Water temp of interior pond: 54 degrees
Exterior pond was done first, due to the elevation there was an hour 1/2 waiting period before the second pond
could be done
Equipment included tent generator, heaters, oxygen tanks, dive equipment, tarps, underwater camera, tarps,
towels, first aid gear
One main diver and one safety diver along with two support folks

From: "Jennifer Robertson" <jennifer.robertson@wetland-consultants.com>
To: "rtbanister" <rtbanister@charter.net>
Sent: Wednesday, November 28, 2007 10:10 AM
Attach: Re_My Contact Information.eml
Subject: RE: My Contact Information

rtbanister



Client: Engineering & Environmental Services
 PO Box 3009
 Hickory, NC 28603
 Attention: Mr. R. Bannister

Date Received: 02-Nov-07
 Report Date: 20-Nov-07
 Sample Date: 02-Nov-07
 BRL #: BRL-2007-0998
 Lab Sample ID: LSID-2007-06071
 Client Sample ID: 2

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
TPH DRO	7367**	26.5	dry mg/kg	8015 TPH	9:42	11/9/2007	KCJ
TPH GRO	24.6**	0.8	dry mg/kg	8015 TPH	2:21	11/20/2007	JAW

Reported By:

K.S. Matheson, Sr. J. Johnson, D.R. Wessinger

* Concentrations are below Minimum Quantification Limit except where noted.
 NC Laboratory Certificate No. 275

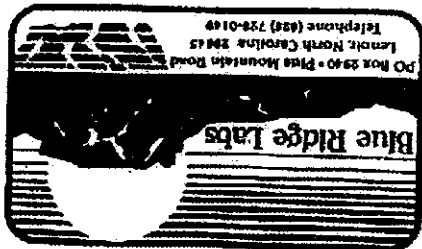
Concentrations are below Minimum Quantification Limit except where noted.
NC Laboratory Certificate No. 275

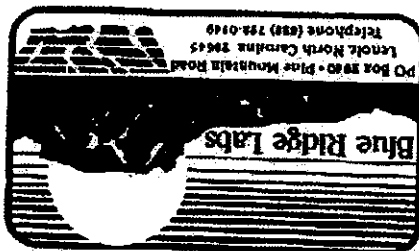
K.S. Matheson, S. J. Johnson, D.R. Wessinger

Reported By:

Parameter	Result	Unit	Method	Analysis Time	Analysis Date	Analyst
TPH DRO	6.6	dry mg/kg	8015 TPH	12:10	11/8/2007	KCJ

Client : Engineering & Environmental Services
 Attention: Mr. R. Baimister
 Hickory, NC 28603
 PO Box 3009
 Date Received: 02-Nov-07
 Report Date: 27-Nov-07
 Sample Date: 02-Nov-07
 BRL #: BRL-2007-0998
 Lab Sample ID: LSID-2007-06070
 Client Sample ID: 1





Client : Engineering & Environmental Services

PO Box 3009
 Hickory, NC 28603

Attention:

Mr. R. Bannister

Date Received:

02-Nov-07

Report Date:

27-Nov-07

Sample Date:

02-Nov-07

BRL #:

BRL-2007-0998

Lab Sample ID:

1.SID-2007-06071

Client Sample ID: 2

Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
TPH DKO	7367**	26.5	dry mg/kg	8015 TPH	9:42	11/9/2007	KCJ

Reported By:

K.S. Matheson, J. Johnson, D.R. Wessinger

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NC Laboratory Certificate No. 275



Client: Engineering & Environmental Services

PO Box 3009
Hickory, NC 28603

Attention:

Mr. R. Bannister

Date Received:

02-Nov-07

Report Date:

27-Nov-07

Sample Date:

02-Nov-07

BRL #:

BRL-2007-0998

Lab Sample ID:

LSID-2007-06072

Client Sample ID: 3

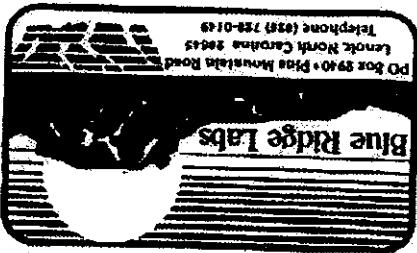
Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
IPH DRO	*	10	dry mg/kg	8015 IPH	13:27	11/8/2007	KCI

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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NC Laboratory Certificate No. 275



Client: Engineering & Environmental Services

PO Box 3009
Hickory, NC 28603

Attention: Mr. R. Hamister

Date Received: 02-Nov-07

Report Date: 27-Nov-07

Sample Date: 02-Nov-07

BRL #: BRL-2007-0998

Lab Sample ID: LSID-2007-06073

Client Sample ID: 5

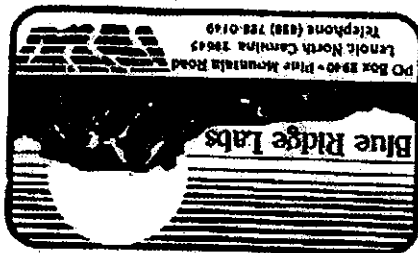
Parameter	Result	MQL	Unit	Method	Analysis Time	Date	Analyst
9071B	63	3.7	dry mg/kg	SW-846-9071	9:40	11/9/2007	KCJ

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

* Concentrations are below Minimum Quantification Limit except where noted.

NC Laboratory Certificate No. 275



Client: Engineering & Environmental Services

PO Box 3009
 Hickory, NC 28603
 Mr. R. Bannister

Date Received: 02-Nov-07

Report Date: 27-Nov-07

Sample Date: 02-Nov-07

BRL #: BRL-2007-0998

Lab Sample ID: LSID-2007-06074

Client Sample ID: 4

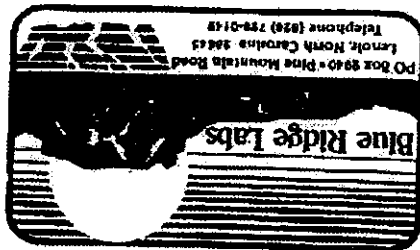
Parameter	Result	MQL	Unit	Method	Analysis Time	Analysis Date	Analyst
TPH DRO	7.0	6.2	dry mg/kg	8015 IPH	8:59	11/9/2007	KCJ

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

* Concentrations are below Minimum Quantification Limit except where noted.

NC Laboratory Certificate No. 275



Client: Engineering & Environmental Services

PO Box 3009
 Hickory, NC 28603
 Attention: Mr. K. Bannister

Date Received: 02-Nov-07

Report Date: 27-Nov-07

Sample Date: 02-Nov-07

BRL #: BRL-2007-0998

Lab Sample ID: LSID-2007-06075

Client Sample ID: 5

Parameter	Result	MOL	Unit	Method	Analysis Time	Analysis Date	Analyst
TPH DRO	*	5.6	dry mg/kg	8015 TPH	15:26	11/8/2007	KCS

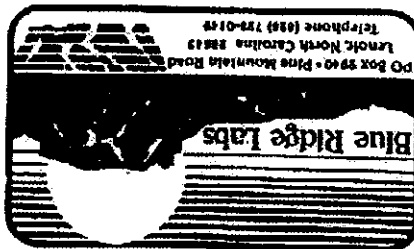
Reported By:

[Handwritten Signature]

K.S. Matheson, J. Johnson, D.R. Wessinger

* Concentrations are below Minimum Quantification Limit except where noted.

NC Laboratory Certificate No. 275



Client: Engineering & Environmental Services

Attention: Mr. R. Bannister
 PO Box 3009
 Hickory, NC 28603

Date Received: 02-Nov-07

Report Date: 27-Nov-07

Sample Date: 02-Nov-07

BRL #: BRL-2007-0998

Lab Sample ID: LSID-2007-06076

Client Sample ID: 5

Parameter	Result	MOI	Unit	Method	Analysis Time	Analysis Date	Analyst
9071B	86	33	dry mg/kg	SW-846-9071	9:41	11/9/2007	KCJ

Reported By:

K.S. Matheson, S. J. Johnson, D.R. Wessinger

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 NC Laboratory Certificate No. 275

NPDS Reporting Groundwater Sanitary Landfill

CHAIN OF CUSTODY RECORD

LAUS, INC.

P.O. Box 2940
Lenoir, NC 28645
Telephone (828) 728-0149 Fax (828) 728-0131

Report To: LES PLC

Bill To: SARPE

Project Name: LAIR - PACES
PO Number: 21-BAYNISTER

HICKORY NC

W

Requested Analysis: 727
5050/3550
5020/3550

Sample ID	Sample Type	Date	Time & Temp HRS:MM:SS °C	React. Chk.		Field		Preservatives Lab Check			Sampler Initials	
				Field Check	NO	YES	NO	PH	React. Chk. P or A	Temp °C		
1	501C	11/2/07	10:05									
2	501C	11/2/07	10:10									
3	501C	11/2/07	10:30									
4	501C	11/2/07	10:25									
5	501C	11/2/07	11:20									

Relinquished by: [Signature] Date: 11/2/07 Time: 14:30

Received by: [Signature] Date: 11-2-07 Time: 14:30

Page 1 of 1

Non submission of samples, buyer agrees that invoices are due at the time work is completed. Open accounts are due 20 days following the invoice date. A finance charge of 1.5% per month will be imposed on all late accounts. When relinquishing sample to She Ridge Labs (SRL), buyer authorizes SRL to perform any the analysis indicated above and also agrees to pay collection and attorneys fees if the account is government delinquent. SRL reserves the right to deny at OACOC documentation for any work where payment has not been made. WITHOUT PAYMENT, SRL owns all the documentation and reserves the right to notify and responsibility to verify the required tests with the appropriate regulatory agency. All work for state reporting is under the jurisdiction of the Laboratory Section of NC DENR.

Rev. 05/05/98



Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (628)294-7176

Pace Analytical Services, Inc.
 9800 Kinsey Ave., Suite 100
 Huntersville, NC 28078
 (704)875-8092

November 09, 2007

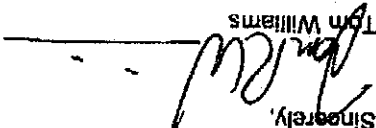
Ms. Jennifer Robertson
 Wetland & Natural Resources
 PO Box 882
 Canton, NC 28716

RE: Project: Water 10/26
 Pace Project No.: 926612

Dear Ms. Robertson:
 Enclosed are the analytical results for sample(s) received by the laboratory on October 26, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAP 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,

 Tom Williams

tom.williams@pacelabs.com
 Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS
 This report shall not be reproduced, except in full,
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Face Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)264-7178

Face Analytical Services, Inc.
 9800 Kitchy Ave., Suite 100
 Huntersville, NC 28078
 (704)875-8082

CERTIFICATIONS

Project: Water 10/28
 Page Project No.: 826612

Certification ID	State	Certification Number
Charlotte Certification IDs	North Carolina	Field Service Certification Number: 5342
	South Carolina	Shoessy Certification Number: 880650001
	South Carolina	Shoessy Certification Number: 880650003
	Tennessee	Certification Number: 04010
	Virginia	Certification Number: 00213
Asheville Certification IDs	Louisiana/ELAP	Certification Number: E-10364
	Louisiana/ELAP	Certification Number: 04034
	North Carolina	Drinking Water Certification Number: 37708
	North Carolina	Wastewater Certification Number: 12
	Florida/ELAP	Certification Number: E87627
	Louisiana/ELAP	Certification Number: 03085
	New Jersey	Certification Number: N0011
	North Carolina	Drinking Water Certification Number: 37712
	North Carolina	Wastewater Certification Number: 40
	North Carolina	Shoessy Certification Number: 9
Eden Certification IDs	North Carolina	Drinking Water Certification Number: 37733
	Virginia	Drinking Water Certification Number: 00424
	North Carolina	Wastewater Certification Number: 633





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REPORT OF LABORATORY ANALYSIS

Page 3 of 20

Lab ID	Sample ID	Matrix	Date Collected	Date Received
926612001	MINE	Water	10/26/07 14:18	10/26/07 16:26
926612002	POND	Water	10/26/07 14:23	10/26/07 16:26

Project: Water 10/26
Pace Project No.: 926612

SAMPLE SUMMARY

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28904
 (828)254-7176

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





Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 5800 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-8092

SAMPLE ANALYTE COUNT

Project: Water 10/29
 Pace Project No.: 926612

Lab ID	Sample ID	Method	Analytes Reported
926612001	MINE	EPA 825	58
		SM 8210	65
		EPA 826	58
		SM 8210	66

REPORT OF LABORATORY ANALYSIS

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Face Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7175

Face Analytical Services, Inc.
 8800 Kinsey Ave., Suite 100
 Huntersville, NC 28078
 (704)876-9092

ANALYTICAL RESULTS

Project: Water 10/26
 Page Project No.: 928612

Sample: MINE
 Lab ID: 928612001
 Collected: 10/26/07 14:18
 Received: 10/26/07 16:26
 Matrix: Water
 Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Cmt

625 MSSV Analytical Method: EPA 825 Preparation Method: EPA 825

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Cmt
Phenanthrene	ND	ug/L	6.2	1	10/31/07 00:00	11/02/07 19:54	89-01-8	
Phenol	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 19:54	108-95-2	
Pyrene	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 19:54	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 19:54	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	10.4	1	10/31/07 00:00	11/02/07 19:54	88-06-2	
Mtchobenzene-d5 (S)	87	%	10-120	1	10/31/07 00:00	11/02/07 19:54	4165-60-0	
2-Fluorobiphenyl (S)	73	%	15-120	1	10/31/07 00:00	11/02/07 19:54	321-80-8	
Terphenyl-d14 (S)	80	%	11-131	1	10/31/07 00:00	11/02/07 19:54	1718-61-0	
Phenol-d6 (S)	32	%	10-120	1	10/31/07 00:00	11/02/07 19:54	13127-88-3	
2-Fluorophenol (S)	47	%	10-120	1	10/31/07 00:00	11/02/07 19:54	367-12-4	
2,4,6-Trichlorophenol (S)	82	%	10-137	1	10/31/07 00:00	11/02/07 19:54	118-79-6	

6210 MSV Analytical Method: SM 6210

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Cmt
Benzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	71-43-2	
Bromobenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	74-87-6	
Bromodichloromethane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	75-27-4	
Bromotrimethylsilane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	76-26-2	
Bromomethane	ND	ug/L	1.0	1	11/08/07 17:44	11/08/07 17:44	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	104-91-8	
sec-Butylbenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	135-98-6	
tert-Butylbenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	99-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	58-23-5	
Chlorobenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1	11/08/07 17:44	11/08/07 17:44	75-00-3	
Chloroform	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1	11/08/07 17:44	11/08/07 17:44	74-87-1	
2-Chlorotoluene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	108-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1	11/08/07 17:44	11/08/07 17:44	98-12-8	
Dibromochloromethane (EDB)	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	124-48-1	
Dibromodichloromethane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	108-93-4	
Dibromomethane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	108-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.90	1	11/08/07 17:44	11/08/07 17:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	158-60-5	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	158-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	594-23-7	
1,1-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1	11/08/07 17:44	11/08/07 17:44	10881-01-9	

REPORT OF LABORATORY ANALYSIS

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Date: 11/08/2007 04:14 PM



Face Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28904
 (828)254-7176

Face Analytical Services, Inc.
 9800 Kinsey Ave., Suite 100
 Huntersville, NC 28078
 (704)275-9092

ANALYTICAL RESULTS

Project: Water 10/28
 Page Project No.: 926512

Sample: MINE
 Lab ID: 926512001 Collected: 10/26/07 14:18 Received: 10/26/07 18:28 Matrix: Water
 Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

Analytical Method: SM 6210

Parameter	Result	Unit	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
trans-1,3-Dichloropropane	ND	ug/L	0.50	1	1	11/08/07 17:44	10881-02-8	
Diisopropyl ether	ND	ug/L	0.50	1	1	11/08/07 17:44	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1	1	11/08/07 17:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	0.50	1	1	11/08/07 17:44	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	1	1	11/08/07 17:44	87-88-3	
p-Propyltoluene	ND	ug/L	0.50	1	1	11/08/07 17:44	98-82-9	
Methylcyclohexane	ND	ug/L	0.50	1	1	11/08/07 17:44	99-87-8	
Methyl-tert-butyl ether	ND	ug/L	2.0	1	1	11/08/07 17:44	75-09-2	
Naphthalene	ND	ug/L	0.50	1	1	11/08/07 17:44	1634-04-4	
n-Propylbenzene	ND	ug/L	2.0	1	1	11/08/07 17:44	91-20-3	
Styrene	ND	ug/L	0.50	1	1	11/08/07 17:44	103-69-1	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1	1	11/08/07 17:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1	1	11/08/07 17:44	630-20-6	
Tetrachloroethene	ND	ug/L	0.50	1	1	11/08/07 17:44	79-34-5	
Toluene	ND	ug/L	0.50	1	1	11/08/07 17:44	127-18-4	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1	1	11/08/07 17:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1	1	11/08/07 17:44	87-61-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1	1	11/08/07 17:44	120-82-1	
1,1,2-Trichloroethane	ND	ug/L	0.50	1	1	11/08/07 17:44	71-55-6	
Trichloroethene	ND	ug/L	0.50	1	1	11/08/07 17:44	79-00-5	
Trichlorofluoromethane	ND	ug/L	0.50	1	1	11/08/07 17:44	79-01-6	
1,2,3-Trichloropropane	ND	ug/L	1.0	1	1	11/08/07 17:44	78-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1	1	11/08/07 17:44	86-18-4	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1	1	11/08/07 17:44	95-63-6	
Vinyl chloride	ND	ug/L	0.50	1	1	11/08/07 17:44	108-67-8	
m,p-Xylene	ND	ug/L	1.0	1	1	11/08/07 17:44	75-01-4	
o-Xylene	ND	ug/L	1.0	1	1	11/08/07 17:44	1330-20-7	
1,2-Dichlorobenzene (S)	ND	ug/L	0.50	1	1	11/08/07 17:44	95-47-6	
Dibromofluoromethane (S)	102 %		80-140	1	1	11/08/07 17:44	17080-07-0	
4-Bromofluorobenzene (S)	103 %		80-140	1	1	11/08/07 17:44	1888-53-7	
Toluene-d8 (S)	85 %		80-140	1	1	11/08/07 17:44	460-00-4	

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 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 8800 Kincey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9082

ANALYTICAL RESULTS

Project: Water 10/26
 Page Project No.: 928612

Sample: POND	Lab ID: 928612002	Collected: 10/26/07 14:23	Received: 10/26/07 16:28	Matrix: Water	Quel
Formularies	Results	Units	Report Limit	DF	Prepared
Analytical Method: EPA 825 Preparation Method: EPA 825					

Compound Name	Concentration (ug/L)	Date/Time
Acenaphthene	ND	10/31/07 00:00
Acenaphthylene	ND	10/31/07 00:00
Anthracene	ND	10/31/07 00:00
Benzo(a)anthracene	ND	10/31/07 00:00
Benzo(a)fluoranthene	ND	10/31/07 00:00
Benzo(b)fluoranthene	ND	10/31/07 00:00
Benzo(g,h,i)perylene	ND	10/31/07 00:00
Benzo(k)fluoranthene	ND	10/31/07 00:00
4-Bromophenylphenyl ether	ND	10/31/07 00:00
Buylbenzylphthalate	ND	10/31/07 00:00
4-Chloro-3-methylphenol	ND	10/31/07 00:00
bis(2-Chloroethoxy)methane	ND	10/31/07 00:00
bis(2-Chloroethyl) ether	ND	10/31/07 00:00
bis(2-Chloroisopropyl) ether	ND	10/31/07 00:00
2-Chlorophenol	ND	10/31/07 00:00
2-Chlorophthalate	ND	10/31/07 00:00
4-Chlorophenyl phenyl ether	ND	10/31/07 00:00
Chrysene	ND	10/31/07 00:00
Dibenz(a,h)anthracene	ND	10/31/07 00:00
3,3'-Dichlorodibenzofuran	ND	10/31/07 00:00
2,4-Dichlorophenol	ND	10/31/07 00:00
Diallylphthalate	ND	10/31/07 00:00
2,4-Dimethylphenol	ND	10/31/07 00:00
Dimethylphthalate	ND	10/31/07 00:00
Dih-n-butylphthalate	ND	10/31/07 00:00
4,8-Dinitro-2-methylphenol	ND	10/31/07 00:00
2,4-Dinitrophenol	ND	10/31/07 00:00
2,4-Dinitrodimethane	ND	10/31/07 00:00
2,6-Dinitrotoluene	ND	10/31/07 00:00
Din-octylphthalate	ND	10/31/07 00:00
bis(2-Ethylhexyl)phthalate	ND	10/31/07 00:00
Fluoranthene	ND	10/31/07 00:00
Fluorene	ND	10/31/07 00:00
Hexachloro-1,3-butadiene	ND	10/31/07 00:00
Hexachlorobenzene	ND	10/31/07 00:00
Hexachlorocyclopentadiene	ND	10/31/07 00:00
Hexachloroethane	ND	10/31/07 00:00
Indeno(1,2,3-cd)pyrene	ND	10/31/07 00:00
Isophthalene	ND	10/31/07 00:00
Naphthalene	ND	10/31/07 00:00
Nitrobenzene	ND	10/31/07 00:00
2-Nitrophenol	ND	10/31/07 00:00
4-Nitrophenol	ND	10/31/07 00:00
N-Nitrosodimethylamine	ND	10/31/07 00:00
N-Nitroso-d-n-propylamine	ND	10/31/07 00:00
N-Nitrosodiphenylamine	ND	10/31/07 00:00
Pentachlorophenol	ND	10/31/07 00:00

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 2225 Riverside Dr.
 Asheville, NC 28904
 (828)254-7178

Face Analytical Services, Inc.
 9800 Kincey Ave., Suite 100
 Murfreesboro, NC 28878
 (704)875-9092

ANALYTICAL RESULTS

Project: Water 10/28
 Face Project No.: 926612

Sample: POND
 Lab ID: 926612002
 Collected: 10/26/07 14:23
 Received: 10/26/07 16:28
 Matrix: Water
 Parameters
 Results
 Units
 Report Limit
 DF
 Prepared
 Analyzed
 CAS No.
 Cont

625 MS8V Analytical Method: EPA 625 Preparation Method: EPA 625

Parameter	Result	Unit	Report Limit	DF	Prepared	Analyzed	CAS No.	Cont
Phenanthrene	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 20:20	85-01-6	
Phenol	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 20:20	108-95-2	
Pyrene	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 20:20	128-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 20:20	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	5.2	1	10/31/07 00:00	11/02/07 20:20	88-06-2	
Nitrobenzene-d5 (S)	ND	ug/L	10.3	1	10/31/07 00:00	11/02/07 20:20	4165-00-0	
2-Fluorobiphenyl (S)	ND	ug/L	10-120	1	10/31/07 00:00	11/02/07 20:20	321-80-8	
Terphenyl-d14 (S)	ND	ug/L	15-120	1	10/31/07 00:00	11/02/07 20:20	1718-81-0	
Phenol-d8 (S)	ND	ug/L	10-120	1	10/31/07 00:00	11/02/07 20:20	13127-08-3	
2-Fluorophenol (S)	ND	ug/L	10-120	1	10/31/07 00:00	11/02/07 20:20	367-12-4	
2,4,6-Trichlorophenol (S)	ND	ug/L	10-120	1	10/31/07 00:00	11/02/07 20:20	118-79-6	

6210 MSV Analytical Method: SM 6210

Parameter	Result	Unit	Report Limit	DF	Prepared	Analyzed	CAS No.	Cont
Benzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	71-43-2	
Bromobenzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	108-88-1	
Bromodichloromethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	74-97-5	
Bromomethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	75-27-4	
Bromotoluene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	75-25-2	
n-Butylbenzene	ND	ug/L	1.0	1	11/08/07 17:20	11/08/07 17:20	74-83-9	
sec-Butylbenzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	104-61-8	
tert-Butylbenzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	135-98-6	
Carbon tetrachloride	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	98-09-8	
Chlorobenzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	58-23-5	
Chloroethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	108-90-7	
Chloroform	ND	ug/L	1.0	1	11/08/07 17:20	11/08/07 17:20	75-00-3	
Chloromethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	67-66-3	
2-Chlorotoluene	ND	ug/L	1.0	1	11/08/07 17:20	11/08/07 17:20	74-87-3	
4-Chlorotoluene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	95-49-8	
1,3-Dibromo-3-chloropropane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	106-43-4	
Dibromochloromethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	96-12-8	
1,2-Dibromobenzene (EDB)	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	124-48-1	
Dibromomethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	74-95-3	
1,3-Dichlorobenzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	541-73-1	
Dichlorodifluoromethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	105-46-7	
1,1-Dichloroethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	75-71-8	
1,2-Dichloroethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	75-34-3	
cis-1,2-Dichloroethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	107-06-2	
trans-1,2-Dichloroethane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	75-36-4	
1,2-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	156-59-2	
1,3-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	158-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	78-87-5	
2,2-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	142-28-9	
1,1-Dichloropropane	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	984-20-7	
1,3-Dichloropropene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	563-58-6	
1,1-Dichloropropene	ND	ug/L	0.50	1	11/08/07 17:20	11/08/07 17:20	10061-01-5	

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 2225 Riverchase Dr.
 Asheville, NC 28804
 (828)254-7175

Pace Analytical Services, Inc.
 8800 Kinsey Ave, Suite 100
 Huntersville, NC 28078
 (704)875-9092

ANALYTICAL RESULTS

Project: Water 10/26
 Pace Project No.: 926612

Sample: POND
 Lab ID: 826612002
 Collected: 10/26/07 14:23
 Received: 10/26/07 16:26
 Matrix: Water
 Parameters: Results Units Report Limit DF Prepared Analyzed CAS No. Qual

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
trans-1,3-Cyclohexadiene	ND	ug/L	0.50	1	1	11/08/07 17:20	10081-02-8	
Chrysophyl ether	ND	ug/L	0.50	1	1	11/08/07 17:20	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1	1	11/08/07 17:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1	1	11/08/07 17:20	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1	1	11/08/07 17:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1	1	11/08/07 17:20	99-87-6	
Methyl-tert-butyl ether	ND	ug/L	2.0	1	1	11/08/07 17:20	75-09-2	
Naphthalene	ND	ug/L	0.50	1	1	11/08/07 17:20	1634-04-4	
n-Propylbenzene	ND	ug/L	2.0	1	1	11/08/07 17:20	91-20-3	
Styrene	ND	ug/L	0.50	1	1	11/08/07 17:20	103-65-1	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1	1	11/08/07 17:20	100-42-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1	1	11/08/07 17:20	630-20-9	
Tetrachloroethylene	ND	ug/L	0.50	1	1	11/08/07 17:20	79-34-9	
Toluene	ND	ug/L	0.50	1	1	11/08/07 17:20	127-18-4	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1	1	11/08/07 17:20	109-68-3	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1	1	11/08/07 17:20	67-81-6	
1,1,1-Trichloroethane	ND	ug/L	2.0	1	1	11/08/07 17:20	120-82-1	
1,1,2-Trichloroethane	ND	ug/L	0.50	1	1	11/08/07 17:20	71-55-8	
Trichloroethene	ND	ug/L	0.50	1	1	11/08/07 17:20	79-00-5	
Trichloroethane	ND	ug/L	0.50	1	1	11/08/07 17:20	79-01-6	
Tetrafluoroethane	ND	ug/L	1.0	1	1	11/08/07 17:20	78-08-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1	1	11/08/07 17:20	98-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1	1	11/08/07 17:20	95-63-8	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1	1	11/08/07 17:20	108-87-8	
Vinyl chloride	ND	ug/L	1.0	1	1	11/08/07 17:20	75-01-4	
m,p-Xylene	ND	ug/L	1.0	1	1	11/08/07 17:20	1330-20-7	
o-Xylene	ND	ug/L	0.50	1	1	11/08/07 17:20	95-47-8	
1,2-Dichloroethane-d4 (S)	98	%	60-140	1	1	11/08/07 17:20	17080-07-0	
Dibromofluoromethane (S)	98	%	60-140	1	1	11/08/07 17:20	1868-53-7	
4-Bromofluorobenzene (S)	100	%	60-140	1	1	11/08/07 17:20	480-00-4	
Toluene-d8 (S)	100	%	60-140	1	1	11/08/07 17:20	2037-26-6	

Analytical Method: SM 6210

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 2225 Riverside Dr
 Asheville, NC 28904
 (828)264-7178

Pace Analytical Services, Inc.
 8900 Knobby Ave. Suite 100
 Huntersville, NC 28078
 (704)875-8082

QUALITY CONTROL DATA

Project: Water 10/28
 Pace Project No.: 926612

OC Batch: OEXT1875
 OC Batch Method: EPA 625

Associated Lab Samples: 926612001, 926612002

METHOD BLANK: 34504

Associated Lab Samples: 926612001, 926612002

Parameter Reporting Limit Challers

Parameter	Units	Blank Result	Reporting Limit	Challars
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10.0
2,4-Dichlorophenol	ug/L	ND	10.0	10.0
2,4-Dimethylphenol	ug/L	ND	5.0	5.0
2,4-Dinitrophenol	ug/L	ND	10.0	10.0
2,4-Dinitrotoluene	ug/L	ND	50.0	50.0
2,6-Dinitrotoluene	ug/L	ND	5.0	5.0
2-Chloronaphthalene	ug/L	ND	5.0	5.0
2-Chlorophenol	ug/L	ND	5.0	5.0
2-Nitrophenol	ug/L	ND	5.0	5.0
3,3'-Dichlorobenzidine	ug/L	ND	5.0	5.0
4,6-Dinitro-2-methylphenol	ug/L	ND	5.0	5.0
4-Ethoxymethylphenyl ether	ug/L	ND	20.0	20.0
4-Chloro-3-methylphenol	ug/L	ND	5.0	5.0
4-Chloromethylphenyl ether	ug/L	ND	5.0	5.0
4-Nitrophenol	ug/L	ND	5.0	5.0
Acenaphthene	ug/L	ND	50.0	50.0
Acenaphthylene	ug/L	ND	5.0	5.0
Anthracene	ug/L	ND	5.0	5.0
Benzo(a)anthracene	ug/L	ND	5.0	5.0
Benzo(a)pyrene	ug/L	ND	5.0	5.0
Benzo(b)fluoranthene	ug/L	ND	5.0	5.0
Benzo(g,h,i)perylene	ug/L	ND	5.0	5.0
Benzo(k)fluoranthene	ug/L	ND	5.0	5.0
Benzo(e)anthracene	ug/L	ND	5.0	5.0
Benzo(a)phenanthrene	ug/L	ND	5.0	5.0
Benzo(b)phenanthrene	ug/L	ND	5.0	5.0
bis(2-Chloroethyl) ether	ug/L	ND	10.0	10.0
bis(2-Chloropropyl) ether	ug/L	ND	5.0	5.0
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	5.0
Butylbenzylphthalate	ug/L	ND	5.0	5.0
Chrysene	ug/L	ND	5.0	5.0
Di-n-butylphthalate	ug/L	ND	5.0	5.0
Di-n-octylphthalate	ug/L	ND	5.0	5.0
Dibenz(a,h)anthracene	ug/L	ND	5.0	5.0
Dibenz(k,h)anthracene	ug/L	ND	5.0	5.0
Dimethylphthalate	ug/L	ND	5.0	5.0
Fluorene	ug/L	ND	5.0	5.0
Hexachloro-1,3-butadiene	ug/L	ND	5.0	5.0
Hexachlorobenzene	ug/L	ND	5.0	5.0
Hexachlorocyclopentadiene	ug/L	ND	5.0	5.0
Hexachloroethane	ug/L	ND	10.0	10.0
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	5.0
Isoptrene	ug/L	ND	10.0	10.0

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 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7178

Face Analytical Services, Inc.
 8800 Kroyer Ave., Suite 100
 Huntersville, NC 28078
 (704)879-9092

QUALITY CONTROL DATA

Project: Water 10/28
 Page Project No.: 925612

METHOD BLANK: 34804

Associated Lab Samples: 925612001, 925612002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	
N-Nitrosodiphenylamine	ug/L	ND	6.0	
Naphthalene	ug/L	ND	10.0	
Nitrobenzene	ug/L	ND	5.0	
Perchloroethane	ug/L	ND	5.0	
Phenanthrene	ug/L	ND	25.0	
Phenol	ug/L	ND	5.0	
Pyrene	ug/L	ND	5.0	
2,4,6-Trichlorophenol (S)	%	84	10-137	
2-Fluorobiphenyl (S)	%	71	15-120	
2-Fluorophenol (S)	%	43	10-120	
Nitrobenzene-d6 (S)	%	79	10-120	
Phenol-d6 (S)	%	29	10-120	
Terphenyl-d14 (S)	%	89	11-131	

LABORATORY CONTROL SAMPLE: 34803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	29.0	58	58	
2,4-Dichlorophenol	ug/L	50	53.6	108	108	
2,4-Dimethylphenol	ug/L	50	35.4	71	71	
2,4-Dinitrophenol	ug/L	50	37.8	76	76	
2,4-Dinitrotoluene	ug/L	60	ND	3	3	
2,6-Dinitrotoluene	ug/L	50	49.1	98	98	
2-Chloronaphthalene	ug/L	50	47.6	96	96	
2-Chlorophenol	ug/L	50	39.0	78	78	
2-Nitrophenol	ug/L	50	33.9	68	68	
3,3-Dichlorobenzidine	ug/L	50	32.4	65	65	
4,6-Dinitro-2-methylphenol	ug/L	50	41.2	82	82	
4-Bromophenylphenyl ether	ug/L	50	18.53	37	37	
4-Chloro-3-methylphenol	ug/L	50	45.4	91	91	
4-Chlorophenylphenyl ether	ug/L	50	38.4	77	77	
4-Nitrophenol	ug/L	50	49.6	100	100	
Acenaphthylene	ug/L	50	43.5	87	87	
Acenaphthylene	ug/L	50	43.3	87	87	
Anthracene	ug/L	50	43.7	87	87	
Benzo(a)anthracene	ug/L	50	40.2	80	80	
Benzo(a)pyrene	ug/L	50	50.1	100	100	
Benzo(b)fluoranthene	ug/L	50	38.0	78	78	
Benzo(g,h,i)perylene	ug/L	50	46.8	91	91	
Benzo(k)fluoranthene	ug/L	50	38.2	72	72	
bis(2-Chloroethyl) ether	ug/L	50	31.8	64	64	
bis(2-Chloroethyl) ether	ug/L	50	30.1	60	60	

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 2228 Riverdale Dr.
 Asheville, NC 28804
 (920)254-7178

Face Analytical Services, Inc.
 9800 Kinsey Ave., Suite 100
 Huntersville, NC 28078
 (704)876-9082

QUALITY CONTROL DATA

Project: Water 10/28
 Page Project No.: 926012

LABORATORY CONTROL SAMPLE: 34605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	34.6	69	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	60	37.1	74	0-168	
Chrysene	ug/L	50	40.6	81	1-162	
Di-n-butylphthalate	ug/L	50	44.8	89	17-168	
Di-n-octylphthalate	ug/L	50	45.0	92	7-118	
Dibenz(a,h)anthracene	ug/L	50	41.5	83	4-148	
Diethylphthalate	ug/L	50	52.5	105	1-227	
Dimethylphthalate	ug/L	60	48.0	98	1-112	
Fluorene	ug/L	50	53.2	106	28-137	
Hexachloro-1,3-butadiene	ug/L	50	48.8	94	59-121	
Hexachlorobenzene	ug/L	50	29.3	58	24-116	
Hexachlorocyclopentadiene	ug/L	50	38.8	78	1-152	
Hexafluorobenzene	ug/L	50	33.0	66	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.1	86	1-171	
Isophorone	ug/L	60	40.5	81	21-198	
N-Nitroso-di-n-propylamine	ug/L	50	43.5	87	1-230	
N-Nitrosodimethylamine	ug/L	50	20.7	41	25-150	
N-Nitrosodiphenylamine	ug/L	50	60.7	101	25-160	
Naphthalene	ug/L	50	30.2	60	21-133	
Nitrobenzene	ug/L	50	31.7	63	35-180	
Pentachlorophenol	ug/L	50	22.81	46	14-178	
Phenanthrene	ug/L	50	44.4	88	54-120	
Phenol	ug/L	50	18.7	37	5-112	
Pyrene	ug/L	80	40.2	80	02-115	
2,4,6-Trichlorophenol (S)	%					
2-Fluorophenyl (S)	%					
2-Fluorophenol (S)	%					
Nitrobenzene-d5 (S)	%					
Nitrobenzene-d6 (S)	%					
Terphenyl-d14 (S)	%					

MATRIX SPIKE & MATRIX SPIKE DUPLICATES: 34605

Parameter	Units	Result	Spike Conc.	MSD	MS	MSD	MS	% Rec	% Rec	MSD	MS	MSD	MS	% Rec	% Rec	Max RPD	RPD	RPD	Max RPD
1,2,4-Trichlorobenzene	ug/L	ND	100	42.7	45.5	80.5	81	43	45	44.142	6	30	30	30	30	6	30	30	30
2,4,6-Trichlorophenol	ug/L	ND	100	80.7	80.5	80.5	81	81	81	37-144	3	30	30	30	30	3	30	30	30
2,4-Dichlorophenol	ug/L	ND	100	52.3	52.3	59.9	52	52	52	1-191	14	30	30	30	30	14	30	30	30
2,4-Dimethylphenol	ug/L	ND	100	62.4	62.4	68.1	62	62	62	32-118	8	30	30	30	30	8	30	30	30
2,4-Dinitrophenol	ug/L	ND	100	61.81	61.81	64.41	52	52	52	1-181	22	30	30	30	30	22	30	30	30
2,4-Dinitrotoluene	ug/L	ND	100	61.4	61.4	67.7	51	51	51	39-139	19	30	30	30	30	19	30	30	30
2,6-Dinitrotoluene	ug/L	ND	100	64.6	64.6	68.2	55	55	55	50-158	19	30	30	30	30	19	30	30	30
2-Chloronaphthalene	ug/L	ND	100	52.9	52.9	58.7	53	53	53	60-118	10	30	30	30	30	10	30	30	30
2-Chlorophenol	ug/L	ND	100	48.5	48.5	53.5	48	48	48	23-134	10	30	30	30	30	10	30	30	30
2-Nitrophenol	ug/L	ND	100	47.4	47.4	52.5	47	47	47	29-182	10	30	30	30	30	10	30	30	30

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Pace Analytical Services, Inc.
 2225 Rivoirade Dr.
 Asheville, NC 28804
 (828)254-7178

Pace Analytical Services, Inc.
 5600 Kinney Ave., Suite 100
 Huntersville, NC 28078
 (704)875-9092

QUALITY CONTROL DATA

Project: Water 10/26
 Pace Project No.: 928812

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 34808

Parameter	Unit	Result	MSD Conc.	MS Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	Limit	RPD	RPD	Max	Qual
Terphenyl-d14 (S)	%	820339007	MS	MSD	34807				62				
									63				11-131

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 Asheville, NC 28804
 (828)284-7176

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

QUALITY CONTROL DATA

Project: Water 10/26
 Pace Project No.: 526612
 QC Batch: MSV/1731
 QC Batch Method: SM 6210
 Associated Lab Samples: 926612001, 926612002
 METHOD BLANK: 98244
 Associated Lab Samples: 926612001, 926612002

Parameter	Units	Blank	Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	0.50	
1,1,1-Trichloroethane	ug/L	ND	0.50	0.50	
1,1,2-Trichloroethane	ug/L	ND	0.50	0.50	
1,1-Dichloroethane	ug/L	ND	0.50	0.50	
1,1-Dichloroethene	ug/L	ND	0.50	0.50	
1,2-Dichloropropane	ug/L	ND	0.50	0.50	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	0.50	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	0.50	
1,2,4-Trimethylbenzene	ug/L	ND	2.0	2.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	0.50	0.50	
1,2-Dichlorobenzene (EDB)	ug/L	ND	1.0	1.0	
1,2-Dichlorobenzene	ug/L	ND	0.50	0.50	
1,2-Dichloropropane	ug/L	ND	0.50	0.50	
1,2-Dichlorobenzene	ug/L	ND	0.50	0.50	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	0.50	
1,3-Dichlorobenzene	ug/L	ND	0.50	0.50	
1,3-Dichloropropane	ug/L	ND	0.50	0.50	
1,4-Dichlorobenzene	ug/L	ND	0.50	0.50	
2,2-Dichloropropane	ug/L	ND	0.50	0.50	
2-Chlorotoluene	ug/L	ND	0.50	0.50	
4-Chlorotoluene	ug/L	ND	0.50	0.50	
Benzene	ug/L	ND	0.50	0.50	
Bromobenzene	ug/L	ND	0.50	0.50	
Bromochloromethane	ug/L	ND	0.50	0.50	
Bromodichloromethane	ug/L	ND	0.50	0.50	
Bromotoluene	ug/L	ND	0.50	0.50	
Bromobenzene	ug/L	ND	0.50	0.50	
Carbon tetrachloride	ug/L	ND	1.0	1.0	
Chlorobenzene	ug/L	ND	0.50	0.50	
Chloroethane	ug/L	ND	1.0	1.0	
Chloroform	ug/L	ND	0.50	0.50	
Chloromethane	ug/L	ND	1.0	1.0	
cis-1,2-Dichloroethane	ug/L	ND	0.50	0.50	
cis-1,3-Dichloropropene	ug/L	ND	0.50	0.50	
Dibromochloromethane	ug/L	ND	0.50	0.50	
Dibromochloroethane	ug/L	ND	0.50	0.50	
Dibromomethane	ug/L	ND	0.50	0.50	
Dichlorodifluoromethane	ug/L	ND	0.50	0.50	
Dichloroethane	ug/L	ND	0.50	0.50	
Dichloroethene	ug/L	ND	0.50	0.50	
Dichloropropane	ug/L	ND	0.50	0.50	
Dichlorobenzene (Cumene)	ug/L	ND	0.50	0.50	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	2.0	
Isopropylbenzene	ug/L	ND	0.50	0.50	

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 9800 Kelsey Ave Suite 100
 Huntersville, NC 28078
 (704) 975-9092

Face Analytical Services, Inc.
 2225 Riverside Dr
 Asheville, NC 28904
 (828) 254-7175

QUALITY CONTROL DATA

Project: Water 10/26
 Page Project No.: 926612

METHOD BLANK: 38244
 Associated Lab Samples: 926612001, 926612002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
m,p-Xylene	ug/L	ND	1.0	
Methyl-tert-butyl ether	ug/L	ND	0.50	
Methylene Chloride	ug/L	ND	0.50	
n-Butylbenzene	ug/L	ND	2.0	
n-Propylbenzene	ug/L	ND	0.50	
Naphthalene	ug/L	ND	0.50	
p-Xylene	ug/L	ND	2.0	
Diisopropylbenzene	ug/L	ND	0.50	
sec-Butylbenzene	ug/L	ND	0.50	
Styrene	ug/L	ND	0.50	
tert-Butylbenzene	ug/L	ND	0.50	
Tetrahydroethene	ug/L	ND	0.50	
Toluene	ug/L	ND	0.50	
trans-1,2-Dichloroethene	ug/L	ND	0.50	
trans-1,3-Dichloropropene	ug/L	ND	0.50	
Trichloroethane	ug/L	ND	0.50	
Trichlorofluoromethane	ug/L	ND	0.50	
Vinyl chloride	ug/L	ND	1.0	
1,2-Dichloroethane-d4 (S)	%	ND	1.0	
4-Bromofluorobenzene (S)	%	100	60-140	
Dibromofluoromethane (S)	%	103	60-140	
Toluene-d8 (S)	%	98	60-140	

LABORATORY CONTROL SAMPLE & LCSD: 38245

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	% Rec	LCSD % Rec	Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10.6	10.7	10.7	107	107	60-140	.9		
1,1,1-Trichloroethane	ug/L	10.8	9.8	9.8	98	98	60-140	.5		
1,1,2-Trichloroethane	ug/L	10.1	10.3	10.1	101	101	60-140	.8		
1,1-Dichloroethane	ug/L	10.3	10.3	10.3	103	103	60-140	.3		
1,1-Dichloroethene	ug/L	11.4	10.3	11.4	103	103	60-140	.9		
1,2-Dichloropropane	ug/L	10.7	11.8	10.7	118	118	60-140	10		
1,2,3-Trichloropropane	ug/L	11.1	11.6	11.1	116	116	60-140	.4		
1,2,4-Trichlorobenzene	ug/L	10.2	10.5	10.2	105	105	60-140	.3		
1,2,4-Trimethylbenzene	ug/L	10.8	11.8	10.8	118	118	60-140	.9		
1,2-Dibromo-3-chloropropane	ug/L	10.7	11.2	10.7	112	112	60-140	.4		
1,2-Dichlorobenzene (EDB)	ug/L	10.0	10.2	10.0	102	102	60-140	.2		
1,2-Dichlorobenzene	ug/L	10.4	11.0	10.4	110	110	60-140	.6		
1,2-Dichloroethane	ug/L	10.7	11.3	10.7	113	113	60-140	.6		
1,2-Dichloropropane	ug/L	9.5	11.3	9.5	95	113	60-140	13		
1,3,5-Trimethylbenzene	ug/L	10.2	10.5	10.2	105	105	60-140	.3		
1,3-Dichlorobenzene	ug/L	10.6	11.0	10.6	110	110	60-140	.4		
1,3-Dichloropropane	ug/L	10.3	11.2	10.3	112	112	60-140	.8		

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L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unmasked by high bias.
M0 Matrix spike recovery was outside laboratory control limits.

ANALYTE QUALIFIERS

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)
LCS(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 (8270 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
DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

DEFINITIONS

Project Water 10/26
Pace Project No.: 828812

QUALIFIERS



Pace Analytical Services, Inc.
2220 Riverside Dr.
Asheville, NC 28804
(828)254-7178

Pace Analytical Services, Inc.
9900 Kincey Ave., Suite 100
Huntersville, NC 28078
(704)875-8082



Face Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Face Analytical Services, Inc.
 9800 Kenney Ave., Suite 100
 Huntersville, NC 28078
 (704)875-8092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Water 10/26
 Face Project No.: 926612

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
926612001	MINE	EPA 825	OEXT/1615	EPA 825	MSSV/1208
926612002	POND	EPA 825	OEXT/1615	EPA 825	MSSV/1208
926612004	MINE	SM 8210	MSV/1731		
926612002	POND	SM 8210	MSV/1731		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Required Client Information:
 Company: WNR
 Address: 1111896
 Email To: 1111896
 Phone: 1111896

Section B
 Required Project Information:
 Report To: _____
 Copy To: _____
 Purchase Order No.: _____
 Project Name: _____
 Project Number: _____

Section C
 Analytical Information:
 Analytical Agency: REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location: _____
 STATE: _____

Page: 1
 1111896

ITEM #	Matrix Code	Sample Type (e.g. Grab, Comp)	COLLECTED		# OF CONTAINERS	Preservatives	Analysis Test	Residual Chlorine (Y/N)	Temp in °C	Received in Cool (Y/N)	Cooled Open (Y/N)	Samples Made (Y/N)
			DATE	TIME								
1	Water MW-4	Grab	6/26/12	12:15	4	HNO ₃	X	926612	16.6	Y	N	Y
2	Ground	Grab	6/26/12	12:15	4	HNO ₃	X					
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Section D
 Required Client Information:
 Sample ID: 1111896
 Sample for Unique: _____

Section E
 Required Project Information:
 Matrix Code: _____
 Sample Type: _____
 Date: _____ Time: _____
 # of Containers: _____
 Preservatives: _____
 Analysis Test: _____
 Residual Chlorine (Y/N): _____
 Temp in °C: _____
 Received in Cool (Y/N): _____
 Cooled Open (Y/N): _____
 Samples Made (Y/N): _____

Section F
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section G
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section H
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section I
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section J
 Required Project Information:
 Project Name: _____
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Section K
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Section L
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Section M
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Section N
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Section O
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Section P
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Section Q
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Section R
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Section S
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Section T
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Section U
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 Project Number: _____

Section V
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section W
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section X
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section Y
 Required Project Information:
 Project Name: _____
 Project Number: _____

Section Z
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 Project Name: _____
 Project Number: _____

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