Elk Mountain
07007-03-11
Annual LURU

JULY 19, 2011
GROUNDWATER MONITORING REPORT

Environmental Consultants
and Contractors

2520 Whitehall Park Drive
Suite 450
Charlotte, NC 28273

704 504-3107
FAX 704 504-3174
www.scsengineers.com

SCS ENGINEERS

July 19, 2011
File No. 02207301.05

Mr. Chuck Munn
LandTech Receiver Services, LLC
As Receiver For
Reynolds Mountain Partners, LLC
55 Weaverville Road, Suite 12
Asheville, NC 28804

SUBJECT: Groundwater Monitoring Report, Elk Mountain Landfill Brownfields Project
70 Old Beaverdam Creek Road, Woodfin, North Carolina

Dear Mr. Munn:

Enclosed is the Groundwater Sampling Report for the Elk Mountain Landfill Brownfields Project site located in Woodfin, North Carolina. Thank you again for your assistance with this project. If you have any questions, please don't hesitate to contact either of the undersigned at (843) 746-8525.

Sincerely,

Michael Cobb
Staff Professional
SCS ENGINEERS

Chad Leatherwood, P.E.
Project Manager
SCS ENGINEERS

cc: Jim Anderson - LandTech
Steve Lamb, SCS – CLT

SCS ENGINEERS

Groundwater Sampling Report

Elk Mountain Landfill Brownfields Project
70 Old Beaverdam Creek Road
Woodfin, North Carolina

Prepared for:

REYNOLDS MOUNTAIN PARTNERS, LLC
55 Weaverville Road, Suite 12
Asheville, North Carolina 28804

Prepared by:

SCS ENGINEERS
2520 Whitehall Park Drive, Suite 450
Charlotte, North Carolina 28273
(704) 504-3107

July 19, 2011
File No. 02207301.05

Offices Nationwide
www.scsengineers.com

Table of Contents

Section **Page**

SIGNATURE PAGE ii
EXECUTIVE SUMMARY iii
1 INTRODUCTION 1
2 LOCATION AND GEOLOGY 5
3 GROUNDWATER INVESTIGATION 6
3.1 Groundwater Sample Collection Methods 6
3.2 Groundwater Sample Analysis and Results 7
3.3 Groundwater Flow Direction and Gradient Evaluation 7
4 CONCLUSIONS 9

List of Figures

No. **Page**

Figure 1. Site Location Map 2
Figure 2. Site Map Showing Monitoring Well Locations 3
Figure 3. Potentiometric Contour Map 4

List of Tables

No. **Page**

Table 1. Summary of Groundwater Analytical Results 8
Table 2. Groundwater Elevation Data 8

Appendices

A Well Sampling Logs
B Certificates of Analyses and Chain of Custody Documentation

SIGNATURE PAGE

This document, entitled "Groundwater Sampling Report," has been prepared for the Elk Mountain Landfill Brownfields Project site located at 70 Old Beaverdam Creek Road in Woodfin, North Carolina, at the request of LandTech Receiver Services, LLC as Receiver fro Reynolds Mountain Partners, LLC. It has been prepared in accordance with accepted quality control practices and has been reviewed by the undersigned.

Michael Cobb
Staff Professional

Chad Leatherwood, P.E.
Project Manager

EXECUTIVE SUMMARY

The Elk Mountain Landfill Brownfields site is a 156-acre site, which consists of the 96-acre municipal landfill and surrounding lands. The landfill was operated under a lease by the City of Asheville until the late 1970s.

Under the Brownfields Agreement for the facility, annual monitoring of the on-site groundwater monitoring wells is required. On May 23 and 24, 2011, groundwater sampling was conducted at the site following the sampling protocols outlined in the Guidelines for Assessment and Cleanup of the DENR Inactive Hazardous Sites Branch. Groundwater samples were collected for analysis of volatile organic compounds, metals, nitrate-nitrite, ammonia, chloride, chemical oxygen demand, and total organic compounds.

Pursuant to paragraph 23.a of the Brownfields Agreement, this report shall be submitted to the North Carolina Department of Environmental and Natural Resources (DENR) as part of the Land Use Restrictions Update (LURU), which will be submitted in January 2012.

The groundwater in MW-2 contained four volatile organic compounds (VOCs) at concentrations greater than the North Carolina groundwater standards; benzene, cis-1,2 Dichloroethene (DCE), trichlorethene (TCE), and vinyl chloride. Both vinyl chloride and DCE are likely to be biological degradation products of TCE. Benzene, TCE, DCE, and vinyl chloride have historically been detected in MW-2.

Sampling was attempted in MW-1; however, no water was present. Historic water levels in MW-1 have always been low (water column heights of one inch or less) due to improper screening of the water table, and it is believed that continued silting-in of the well has rendered any available water unreachable.

No constituents were detected in the remaining wells that exceeded established groundwater standards.

1 INTRODUCTION

The Elk Mountain Landfill Brownfields site, located at 70 Old Beaverdam Road in Woodfin, North Carolina, is a 156-acre site consisting of three separate waste-containing areas (used for the disposal of municipal solid waste) and surrounding lands. The site location is shown on Figure 1. The landfill was operated under a lease by the City of Asheville until the late 1970s, when the landfill was closed. The Town of Woodfin purchased the property in the mid-1980s and beginning in 1999 the site operates as a nine-hole golf course, which was closed in 2003.

Reynolds Mountain Partners, LLC (Reynolds) purchased the property from the Town of Woodfin in March 2007. Reynolds entered into the Brownfields Agreement with DENR that was finalized on March 23, 2007 (N.C. Brownfields Program Project Number 07007-03-11).

Pursuant to paragraph 23 of the Brownfields Agreement, Reynolds is required to sample the four on-site groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4). A map of the facility showing the locations of the monitoring well is provided in Figure 2.

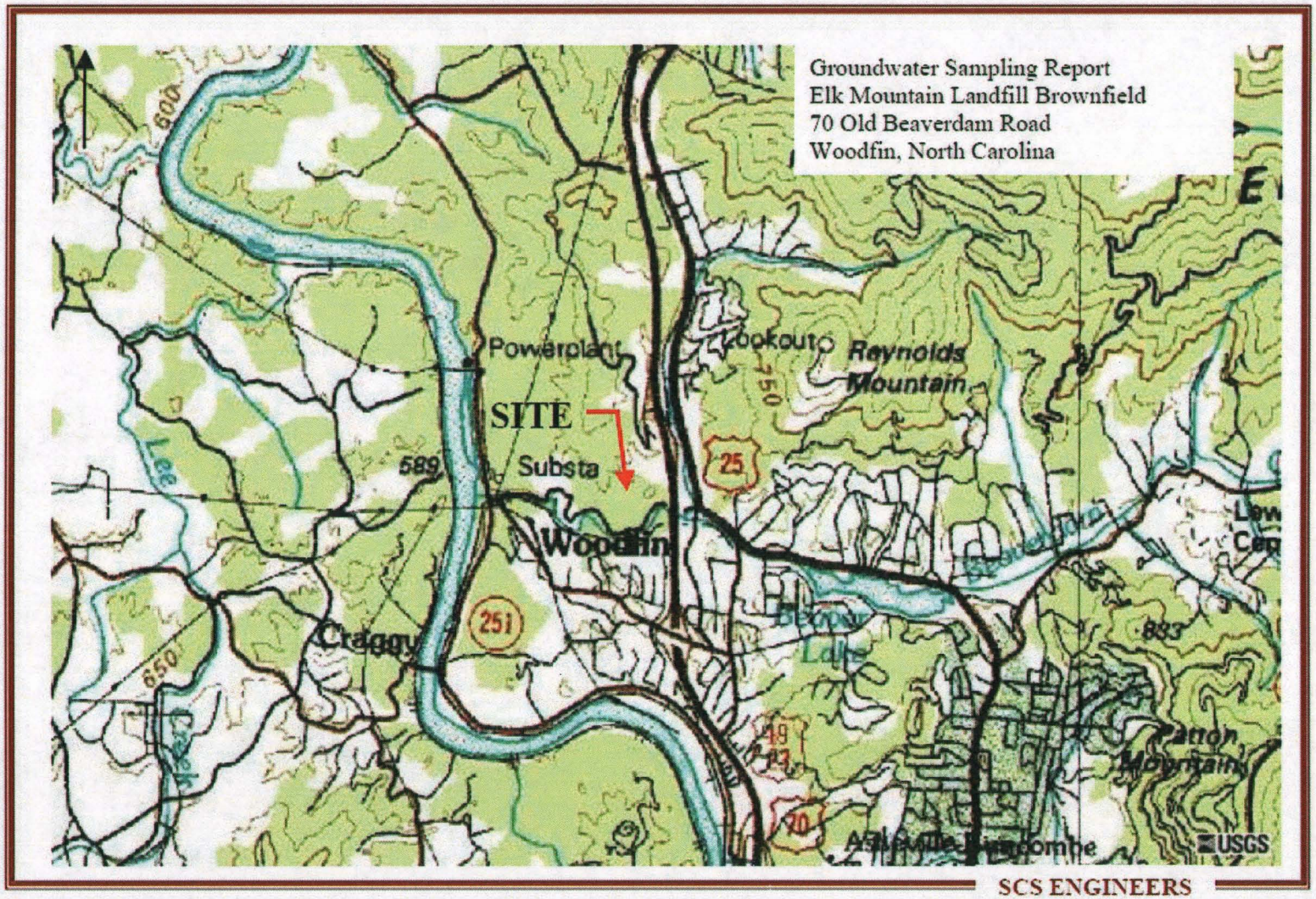

FIGURE 1. SITE LOCATION MAP –1983 USGS 7.5 Topographic Map of Pelzer, South Carolina

Figure 1. Site Location Map

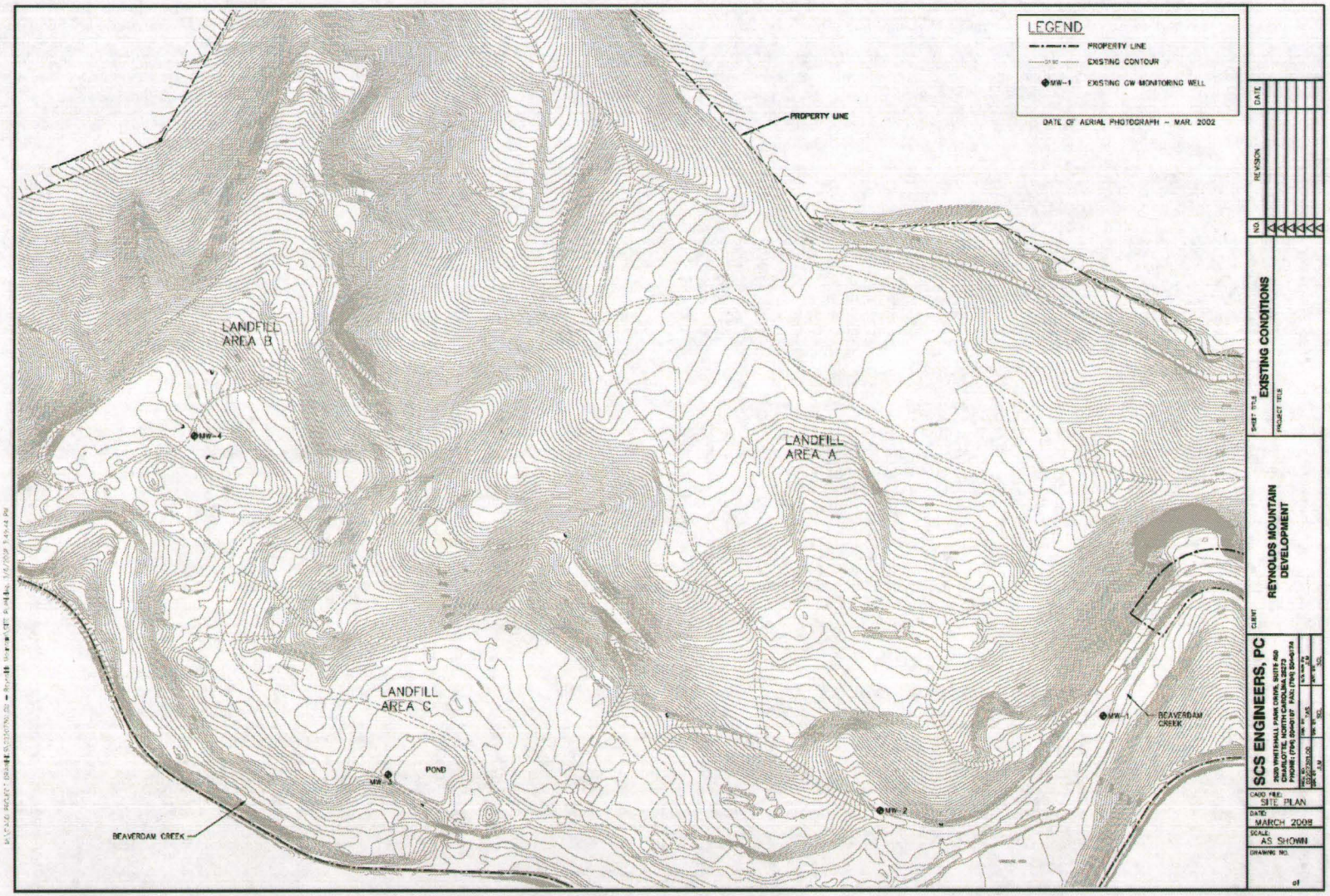

Figure 2. Site Map Showing Monitoring Well Locations

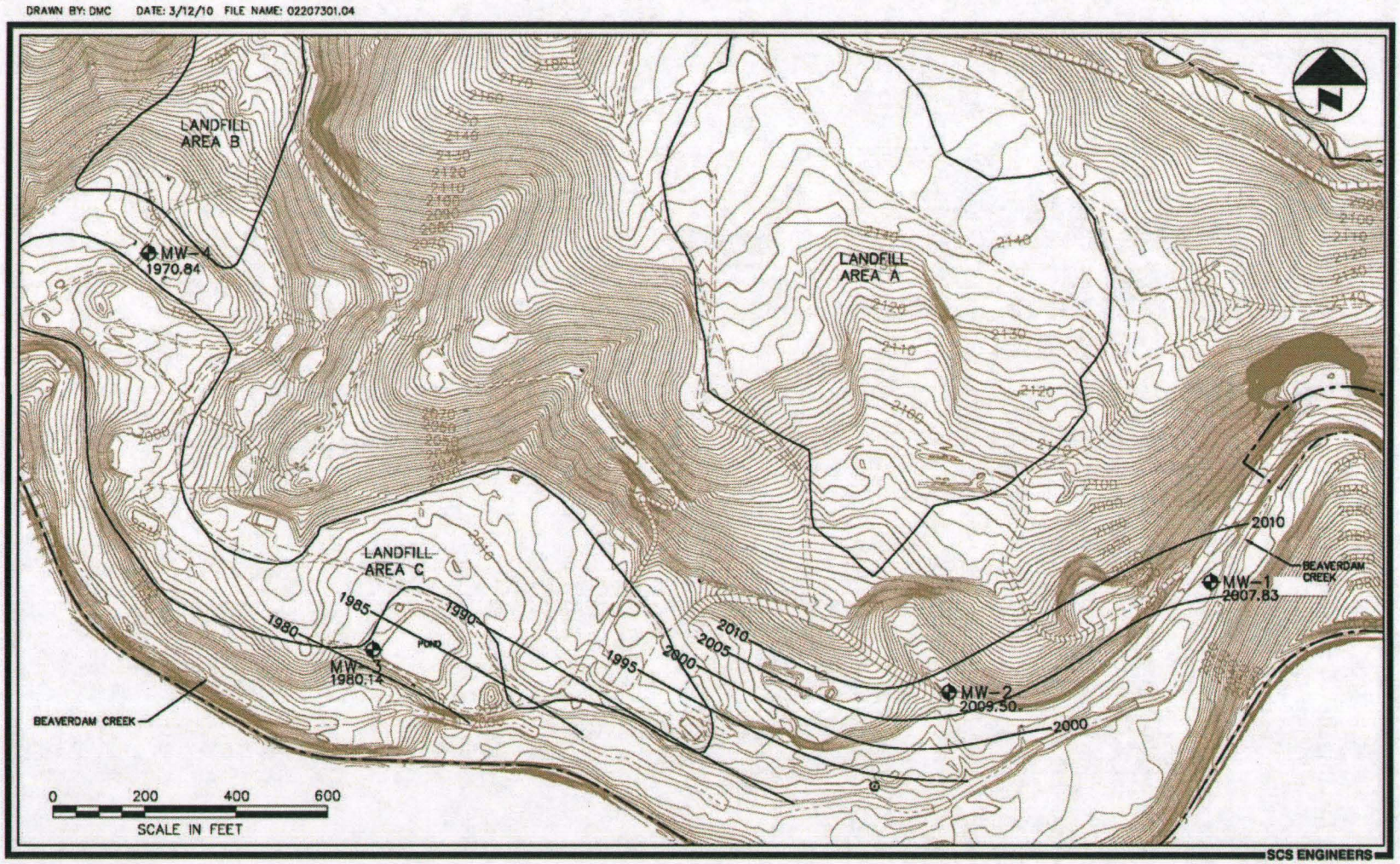

Figure 3. Potentiometric Contour Map

2 LOCATION AND GEOLOGY

The Elk Mountain Landfill Brownfields Site is located at 70 Old Beaverdam Road in Woodfin, North Carolina. The site is 156-acres consisting of a 96-acre retired landfill and surrounding lands. The site is bordered to the south by Beaverdam Creek and the Southern Railway. To the west, the site is bordered by the Metropolitan Sewerage District and to the north and east by the US Highways 19 & 23.

Based on a review of the geologic map of North Carolina, published by the United States Geologic Survey and dated 1998, the site is located in the Blue Ridge Belt Physiographic Province. The rocks of the Blue Ridge Belt consist of ultramafic igneous and medium grade metamorphic rocks dating from the Precambrian to Cambrian and include granite, granitic gneiss, and schists.

Surface water runoff likely flows towards Beaverdam Creek, which runs along the southern portion of the property and drains into the French Broad River, located to the west of the site.

Groundwater was encountered at the subject site under unconfined conditions at depths ranging from approximately one to 13 feet below land surface (BLS).

3 GROUNDWATER INVESTIGATION

3.1 GROUNDWATER SAMPLE COLLECTION METHODS

On May 23 and 24, 2011, groundwater sampling was conducted at all four of the site's monitoring wells. The groundwater monitoring wells were sampled following the Sampling Protocols outlined in the Guidance for Assessment and Cleanup of the DENR Inactive Hazardous Sites Branch. Techniques used for well evacuation, sample collection, and measurement of the water table depth were designed to ensure that representative groundwater samples were collected and accurate field measurements were made. Sampling personnel wore new, laboratory-quality gloves during all well evacuation and sample collection activities, and changed gloves, at a minimum, between each well. Teflon-lined polyethylene tubing and any other disposable equipment was not reused. Non-disposable equipment, (e.g., the water level indicator and submersible pump), were washed with a non-phosphate detergent solution then thoroughly rinsed with distilled water prior to reuse.

Depth to groundwater data was collected from four permanent groundwater monitoring wells using a depth-to-groundwater meter prior to purging and sample collection activities. The volume of water in each monitoring well was calculated, and well purging was conducted using a Solinst Model 410 peristaltic pump equipped with ¼ inch inside diameter Teflon-lined polyethylene tubing. Using low-flow Sampling Protocols outlined in the Guidance for Assessment and Cleanup of the DENR Inactive Hazardous Sites Branch, pH, specific conductivity, and temperature measurements were stabilized and turbidity was minimized. Wells that did not have sufficient recharge were purged until dry using the peristaltic pump and then allowed to recharge until a sufficient volume was present to begin sample collection. If necessary, the well may have been purged and allowed to recharge repeatedly until sufficient volume was acquired for laboratory analysis.

During sample collection, the groundwater was slowly poured directly from the peristaltic pump, which was operated at a low pump rate to minimize the potential for aeration of the samples during withdrawal from the well and transfer to the sample container. Groundwater samples collected for analysis of VOCs were obtained first. Groundwater samples were collected in laboratory-supplied, pre-cleaned vials and bottles with Teflon™-lined septa and caps, respectively. Caution was exercised to prevent overspill of vials and bottles that contained a preservative. All sample containers were sealed, placed immediately into a clean sample cooler, and covered with ice packs. The Chain of Custody Record was completed for each well immediately following the completion of sample collection. The samples remained in the custody of SCS personnel throughout the collection process until transfer to Pace Analytical personnel. The Chain of Custody was maintained for all samples from the time of collection through the completion of the analyses. Each groundwater sample is identified by assignment of the prefix "MW" followed by the corresponding well number. The monitoring well sampling logs are included in Appendix A.

3.2 GROUNDWATER SAMPLE ANALYSIS AND RESULTS

The groundwater samples were analyzed by Pace Analytical for Target Compound List (TCL) VOCs by EPA Method 8260B, priority pollutant metals by EPA Method 6020, ammonia by EPA Method 350.1, chloride by EPA Method 300.0, chemical oxygen demand (COD) by EPA Method 410.4, and total organic compounds (TOC) by EPA Method 5310C. The Certificates of Analysis and Chain of Custody Record documentation are included in Appendix B.

The groundwater in MW-2 contained four VOCs at concentrations greater than the North Carolina groundwater standards; benzene, DCE, TCE, and vinyl chloride. Both vinyl chloride and DCE are likely to be biological degradation products of TCE. Benzene, TCE, DCE, and vinyl chloride have historically been detected in MW-2.

No constituents were detected in the remaining wells that exceeded established groundwater standards.

3.3 GROUNDWATER FLOW DIRECTION AND GRADIENT EVALUATION

In addition to the volume of water calculation used during the sample collection activities, depth to groundwater data was collected from each monitoring well so that a determination of the groundwater flow direction could be made for the May 2011 event. A summary of the groundwater elevation data is provided in Table 2.

The calculated groundwater elevation data was used to construct a potentiometric surface map. The potentiometric surface map for the May 2011 event is included as Figure 3. The groundwater flow direction determined for the May 2011 event is to the south-southeast toward Beaverdam Creek. This groundwater flow direction is consistent with historical monitoring events and is generally consistent with overall area topography and hydrogeology.

Table 1. Summary of Groundwater Analytical Results
Elk Mountain Landfill Brownfields Project

Constituent	Units	MW-1	MW-2	MW-3	MW-4	MW-4 Duplicate	NC Groundwater Standard
Benzene	ug/L	NA	1.4	ND	ND	ND	1
Chlorobenzene	ug/L	NA	1.2	6.1	1.8	1.8	50
1,4-dichlorobenzene	ug/L	NA	ND	2.8	ND	ND	NA
1,1-Dichloroethane	ug/L	NA	3.7	ND	ND	ND	70
1,1-Dichloroethene	ug/L	NA	3.0	ND	ND	ND	7
cis-1.2-Dichloroethene	ug/L	NA	198	ND	ND	ND	70
trans-1.2-dichloroethene	ug/L	NA	ND	ND	ND	ND	200
Trichloroethene	ug/L	NA	44.3	ND	ND	ND	2.8
Vinyl Chloride	ug/L	NA	25.4	ND	ND	ND	0.015
Nitrogen, Ammonia	mg/L	NA	2.2	68.4	11.0	10.6	NA
Chloride	mg/L	NA	142	72.5	16.5	17.1	250
Chemical Oxygen Demand	mg/L	NA	48.0	82.0	66.0	48.0	NA
Total Organic Carbon	mg/L	NA	14.3	41.6	21.6	21.2	NA
Arsenic	ug/L	NA	ND	ND	ND	5.3	50
Chromium	ug/L	NA	ND	ND	ND	ND	50
Copper	ug/L	NA	ND	ND	ND	ND	1,000
Lead	ug/L	NA	ND	ND	ND	ND	15
Nickel	ug/L	NA	ND	ND	ND	ND	100
Selenium	ug/L	NA	ND	ND	ND	ND	50
Zinc	ug/L	NA	ND	ND	15.7	14.9	1,050

Table 2. Groundwater Elevation Data
Elk Mountain Landfill Brownfields Project

Well Number	Top of Casing Elevation (ft MSL)	Depth to Groundwater (ft MSL)	Groundwater Elevation (ft MSL)
MW-1	2012.78	NA	<2006.36
MW-2	2012.3	3.0	2009.3
MW-3	1994.84	13.63	1981.21
MW-4	1977.04	3.1	1973.94

Notes:
1. Depth to groundwater measurements taken on May 23 (MW-3, MW-4) and 24 (MW-1 and MW-2), 2011.

4 CONCLUSIONS

In accordance with the Brownfields Agreement for the facility, annual monitoring of the on-site groundwater monitoring wells is required. To satisfy this condition, a groundwater monitoring event was conducted on May 23 and 24 2011, to evaluate groundwater quality at the site. The groundwater monitoring wells were sampled following protocols established in the Sampling Protocols outlined in the Guidance for Assessment and Cleanup of the DENR Inactive Hazardous Sites Branch. The groundwater samples were analyzed for VOCs, priority polltant metals, nitrate-nitrite, ammonia, chloride, COD, and TOC.

Results of the groundwater sampling indicated that benzene, cis-1,2-Dichloroehtene, trichloroethene, and vinyl chloride were detected in monitoring well MW-2 at concentrations exceeding the North Carolina 2L Groundwater Quality Standards. No other detected constituents were detected at concentrations which exceeded established groundwater standards.

In accordance with the Brownsfield Agreement, the groundwater monitoring wells will be sampled again in February 2012.

Low-Flow Groundwater Sampling Data Sheet				
Sample ID = RM-1	Site ID = Woodfin	Sample Date = 5/24/11	Sample Time = 1705	
TWD = 6.4'	DGW = NA	LWC = NA	1 Casing Volume = NA	
Pump Time (Min)	Temp °C	Ph	Sp. Cond. (mS/cm)	Turbidity (NTU)

Comments: No water present in well. Did not sample.

Low-Flow Groundwater Sampling Data Sheet				
Sample ID = RM-2	Site ID = Woodfin	Sample Date = 5/24/11	Sample Time = 1425	
TWD = 16.2'	DGW = 3.0'	LWC = 13.2'	1 Casing Volume = 0.53	
Pump Time (Min)	Temp °C	Ph	Sp. Cond. (mS/cm)	Turbidity (NTU)
1350	-	-	-	-
1355	14.2	5.55	855	84.11
1400	12.1	6.53	850	29.87
1405	12.2	6.54	855	14.39
1410	12.1	6.54	855	8.69
1415	12.1	6.54	855	8.33
1420	12.1	6.54	855	8.21

Comments:

Low-Flow Groundwater Sampling Data Sheet				
Sample ID = RM-3	Site ID = Woodfin	Sample Date = 5/23/11	Sample Time = 1310	
TWD = 19.2'	DGW = 13.66'	LWC = 5.54'	1 Casing Volume = 0.22	
Pump Time (Min)	Temp °C	Ph	Sp. Cond. (mS/cm)	Turbidity (NTU)
1220	-	-	-	-
1233	21.9	6.51	358	4.5
1240	18.8	6.52	423	12.71
1245	18.4	6.59	419	1.85
1257	18.5	6.53	437	1.87
1303	18.7	6.56	440	1.97

Comments:

Low-Flow Groundwater Sampling Data Sheet				
Sample ID = RM-4	Site ID = Woodfin	Sample Date = 5/23/11	Sample Time = 1445	
TWD = 15.6'	DGW = 2.1'	LWC = 13.5'	1 Casing Volume = 0.75	
Pump Time (Min)	Temp °C	Ph	Sp. Cond. (mS/cm)	Turbidity (NTU)
1250	-	-	-	-
1415	31.7	6.63	440	4.93
1424	18.7	6.67	232	79.16
1430	19	6.66	441	13.18
1436	19.5	6.65	422	12.57
1442	18	6.66	433	11.9
1448	18.1	6.66	438	11.8
1454	17.9	6.66	440	11.9

Comments:

Appendix B

Certificates of Analyses and Chain of Custody Documentation

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

June 15, 2011

Mr. Michael Cobb
SCS Engineers
2520 Whitehall Park Drive
Suite 450
Charlotte, NC 28273

RE: Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Dear Mr. Cobb:
Enclosed are the analytical results for sample(s) received by the laboratory on May 25, 2011. 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.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

CERTIFICATIONS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

SAMPLE ANALYTE COUNT

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9294848001	**RM-2**	EPA 200.7	JDA, JMW	12	PASI-A
		EPA 245.1	SHB	1	PASI-A
		EPA 8260	MCK	56	PASI-C
		EPA 350.1	LEP	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A
		SM 5310B	EWS	1	PASI-A
9294848002	**RM-3**	EPA 200.7	JDA, JMW	12	PASI-A
		EPA 245.1	SHB	1	PASI-A
		EPA 8260	MCK	56	PASI-C
		EPA 350.1	LEP	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A
		SM 5310B	EWS	1	PASI-A
9294848003	**RM-4**	EPA 200.7	JDA, JMW	12	PASI-A
		EPA 245.1	SHB	1	PASI-A
		EPA 8260	MCK	56	PASI-C
		EPA 350.1	LEP	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A
		SM 5310B	EWS	1	PASI-A
9294848004	**RM-4 DUP**	EPA 200.7	JDA, JMW	12	PASI-A
		EPA 245.1	SHB	1	PASI-A
		EPA 8260	MCK	56	PASI-C
		EPA 350.1	LEP	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A
		SM 5310B	EWS	1	PASI-A

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-2 **Lab ID: 9294848001** Collected: 05/24/11 16:25 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Antimony	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:32	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:32	7440-38-2	
Beryllium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 19:32	7440-41-7	
Cadmium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 19:32	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:32	7440-47-3	
Copper	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:32	7440-50-8	
Lead	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:32	7439-92-1	
Nickel	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:32	7440-02-0	
Selenium	ND	ug/L	10.0	1	05/26/11 09:00	05/28/11 19:32	7782-49-2	
Silver	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:32	7440-22-4	
Thallium	ND	ug/L	10.0	1	05/26/11 09:00	05/29/11 16:45	7440-28-0	
Zinc	ND	ug/L	10.0	1	05/26/11 09:00	05/28/11 19:32	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	05/27/11 16:30	05/30/11 11:35	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/29/11 21:31	67-64-1	
Benzene	**1.4**	ug/L	1.0	1		05/29/11 21:31	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/29/11 21:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/11 21:31	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/29/11 21:31	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/29/11 21:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/11 21:31	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/29/11 21:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/11 21:31	56-23-5	
Chlorobenzene	**1.2**	ug/L	1.0	1		05/29/11 21:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/29/11 21:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/29/11 21:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/29/11 21:31	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		05/29/11 21:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/29/11 21:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/11 21:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/11 21:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/11 21:31	75-71-8	
1,1-Dichloroethane	**3.7**	ug/L	1.0	1		05/29/11 21:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/11 21:31	107-06-2	
1,1-Dichloroethene	**3.0**	ug/L	1.0	1		05/29/11 21:31	75-35-4	
cis-1,2-Dichloroethene	**198**	ug/L	5.0	5		05/30/11 09:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/11 21:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/29/11 21:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 21:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 21:31	10061-02-6	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-2 **Lab ID: 9294848001** Collected: 05/24/11 16:25 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		05/29/11 21:31	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		05/29/11 21:31	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/29/11 21:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/11 21:31	98-82-8	
Methyl acetate	ND	ug/L	10.0	1		05/29/11 21:31	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		05/29/11 21:31	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		05/29/11 21:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/11 21:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/11 21:31	1634-04-4	
Styrene	ND	ug/L	1.0	1		05/29/11 21:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/11 21:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/29/11 21:31	127-18-4	
Toluene	ND	ug/L	1.0	1		05/29/11 21:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/29/11 21:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/29/11 21:31	79-00-5	
Trichloroethene	**44.3**	ug/L	1.0	1		05/29/11 21:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/11 21:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/29/11 21:31	76-13-1	
Vinyl chloride	**25.4**	ug/L	1.0	1		05/29/11 21:31	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/29/11 21:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/29/11 21:31	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		05/29/11 21:31	460-00-4	
Dibromofluoromethane (S)	93	%	70-130	1		05/29/11 21:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		05/29/11 21:31	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/29/11 21:31	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**2.2**	mg/L	0.10	1		05/27/11 16:58	7664-41-7	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		06/03/11 16:11		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**142**	mg/L	25.0	5		06/09/11 15:34	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	**48.0**	mg/L	25.0	1		06/07/11 14:18		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**14.3**	mg/L	1.0	1		06/01/11 17:06	7440-44-0	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-3 **Lab ID: 9294848002** Collected: 05/23/11 13:10 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Antimony	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 18:44	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 18:44	7440-38-2	
Beryllium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 18:44	7440-41-7	
Cadmium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 18:44	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 18:44	7440-47-3	
Copper	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 18:44	7440-50-8	
Lead	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 18:44	7439-92-1	
Nickel	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 18:44	7440-02-0	
Selenium	ND	ug/L	10.0	1	05/26/11 09:00	05/28/11 18:44	7782-49-2	
Silver	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 18:44	7440-22-4	
Thallium	ND	ug/L	10.0	1	05/26/11 09:00	05/29/11 16:10	7440-28-0	
Zinc	ND	ug/L	10.0	1	05/26/11 09:00	05/28/11 18:44	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	05/27/11 16:30	05/30/11 11:38	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/29/11 21:55	67-64-1	
Benzene	ND	ug/L	1.0	1		05/29/11 21:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/29/11 21:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/11 21:55	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/29/11 21:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/29/11 21:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/11 21:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/29/11 21:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/11 21:55	56-23-5	
Chlorobenzene	**6.1**	ug/L	1.0	1		05/29/11 21:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/29/11 21:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/29/11 21:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/29/11 21:55	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		05/29/11 21:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/29/11 21:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/11 21:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/11 21:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:55	541-73-1	
1,4-Dichlorobenzene	**2.8**	ug/L	1.0	1		05/29/11 21:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/11 21:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/29/11 21:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/11 21:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/29/11 21:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/11 21:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/11 21:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/29/11 21:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 21:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 21:55	10061-02-6	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-3 **Lab ID: 9294848002** Collected: 05/23/11 13:10 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		05/29/11 21:55	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		05/29/11 21:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/29/11 21:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/11 21:55	98-82-8	
Methyl acetate	ND	ug/L	10.0	1		05/29/11 21:55	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		05/29/11 21:55	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		05/29/11 21:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/11 21:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/11 21:55	1634-04-4	
Styrene	ND	ug/L	1.0	1		05/29/11 21:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/11 21:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/29/11 21:55	127-18-4	
Toluene	ND	ug/L	1.0	1		05/29/11 21:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 21:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/29/11 21:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/29/11 21:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/29/11 21:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/11 21:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/29/11 21:55	76-13-1	
Vinyl chloride	ND	ug/L	1.0	1		05/29/11 21:55	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/29/11 21:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/29/11 21:55	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		05/29/11 21:55	460-00-4	
Dibromofluoromethane (S)	93	%	70-130	1		05/29/11 21:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		05/29/11 21:55	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		05/29/11 21:55	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**68.4**	mg/L	1.0	10		05/31/11 20:30	7664-41-7	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		06/03/11 16:12		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**72.5**	mg/L	25.0	5		06/09/11 15:38	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	**82.0**	mg/L	25.0	1		06/07/11 14:18		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**41.6**	mg/L	1.0	1		06/01/11 17:16	7440-44-0	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-4 **Lab ID: 9294848003** Collected: 05/23/11 14:45 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Antimony	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:03	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:03	7440-38-2	
Beryllium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 19:03	7440-41-7	
Cadmium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 19:03	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:03	7440-47-3	
Copper	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:03	7440-50-8	
Lead	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:03	7439-92-1	
Nickel	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:03	7440-02-0	
Selenium	ND	ug/L	10.0	1	05/26/11 09:00	05/28/11 19:03	7782-49-2	
Silver	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:03	7440-22-4	
Thallium	ND	ug/L	10.0	1	05/26/11 09:00	05/29/11 16:25	7440-28-0	
Zinc	**15.7**	ug/L	10.0	1	05/26/11 09:00	05/28/11 19:03	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	05/27/11 16:30	05/30/11 11:41	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/29/11 22:20	67-64-1	
Benzene	ND	ug/L	1.0	1		05/29/11 22:20	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/29/11 22:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/11 22:20	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/29/11 22:20	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/29/11 22:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/11 22:20	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/29/11 22:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/11 22:20	56-23-5	
Chlorobenzene	**1.8**	ug/L	1.0	1		05/29/11 22:20	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/29/11 22:20	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/29/11 22:20	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/29/11 22:20	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		05/29/11 22:20	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/29/11 22:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/11 22:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/11 22:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/11 22:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/29/11 22:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/11 22:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/29/11 22:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/11 22:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/11 22:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/29/11 22:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 22:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 22:20	10061-02-6	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-4 **Lab ID: 9294848003** Collected: 05/23/11 14:45 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		05/29/11 22:20	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		05/29/11 22:20	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/29/11 22:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/11 22:20	98-82-8	
Methyl acetate	ND	ug/L	10.0	1		05/29/11 22:20	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		05/29/11 22:20	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		05/29/11 22:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/11 22:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/11 22:20	1634-04-4	
Styrene	ND	ug/L	1.0	1		05/29/11 22:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/11 22:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/29/11 22:20	127-18-4	
Toluene	ND	ug/L	1.0	1		05/29/11 22:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/29/11 22:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/29/11 22:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/29/11 22:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/11 22:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/29/11 22:20	76-13-1	
Vinyl chloride	ND	ug/L	1.0	1		05/29/11 22:20	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/29/11 22:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/29/11 22:20	95-47-6	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/29/11 22:20	460-00-4	
Dibromofluoromethane (S)	89	%	70-130	1		05/29/11 22:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		05/29/11 22:20	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/29/11 22:20	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**11.0**	mg/L	0.50	5		05/31/11 19:52	7664-41-7	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		06/03/11 16:14		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**16.5**	mg/L	5.0	1		06/09/11 13:33	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	**66.0**	mg/L	25.0	1		06/07/11 14:18		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**21.6**	mg/L	1.0	1		06/01/11 17:26	7440-44-0	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-4 DUP **Lab ID: 9294848004** Collected: 05/23/11 15:00 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, 3030C	Analytical Method: EPA 200.7 Preparation Method: SM 3030C							
Antimony	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:18	7440-36-0	
Arsenic	**5.3**	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:18	7440-38-2	
Beryllium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 19:18	7440-41-7	
Cadmium	ND	ug/L	1.0	1	05/26/11 09:00	05/28/11 19:18	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:18	7440-47-3	
Copper	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:18	7440-50-8	
Lead	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:18	7439-92-1	
Nickel	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:18	7440-02-0	
Selenium	ND	ug/L	10.0	1	05/26/11 09:00	05/28/11 19:18	7782-49-2	
Silver	ND	ug/L	5.0	1	05/26/11 09:00	05/28/11 19:18	7440-22-4	
Thallium	ND	ug/L	10.0	1	05/26/11 09:00	05/29/11 16:39	7440-28-0	
Zinc	**14.9**	ug/L	10.0	1	05/26/11 09:00	05/28/11 19:18	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	1	05/27/11 16:30	05/30/11 11:46	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/29/11 22:44	67-64-1	
Benzene	ND	ug/L	1.0	1		05/29/11 22:44	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/29/11 22:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/11 22:44	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/29/11 22:44	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/29/11 22:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/11 22:44	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/29/11 22:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/11 22:44	56-23-5	
Chlorobenzene	**1.8**	ug/L	1.0	1		05/29/11 22:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/29/11 22:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/29/11 22:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/29/11 22:44	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		05/29/11 22:44	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/29/11 22:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/11 22:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/11 22:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/11 22:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/29/11 22:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/11 22:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/29/11 22:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/11 22:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/11 22:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/29/11 22:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 22:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/29/11 22:44	10061-02-6	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

ANALYTICAL RESULTS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Sample: RM-4 DUP **Lab ID: 9294848004** Collected: 05/23/11 15:00 Received: 05/25/11 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		05/29/11 22:44	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		05/29/11 22:44	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/29/11 22:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/11 22:44	98-82-8	
Methyl acetate	ND	ug/L	10.0	1		05/29/11 22:44	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		05/29/11 22:44	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		05/29/11 22:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/11 22:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/11 22:44	1634-04-4	
Styrene	ND	ug/L	1.0	1		05/29/11 22:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/11 22:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/29/11 22:44	127-18-4	
Toluene	ND	ug/L	1.0	1		05/29/11 22:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/11 22:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/29/11 22:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/29/11 22:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/29/11 22:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/11 22:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/29/11 22:44	76-13-1	
Vinyl chloride	ND	ug/L	1.0	1		05/29/11 22:44	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/29/11 22:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/29/11 22:44	95-47-6	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/29/11 22:44	460-00-4	
Dibromofluoromethane (S)	90	%	70-130	1		05/29/11 22:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		05/29/11 22:44	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/29/11 22:44	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**10.6**	mg/L	0.50	5		05/31/11 19:53	7664-41-7	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	ND	mg/L	0.10	1		06/03/11 16:15		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**17.1**	mg/L	5.0	1		06/09/11 13:33	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	**48.0**	mg/L	25.0	1		06/07/11 14:18		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**21.2**	mg/L	1.0	1		06/01/11 17:36	7440-44-0	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: MPRP/8444 — Analysis Method: EPA 200.7
QC Batch Method: SM 3030C — Analysis Description: 200.7 MET 3030C
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

METHOD BLANK: 611586 — Matrix: Water
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	05/29/11 16:03	
Arsenic	ug/L	ND	5.0	05/29/11 16:03	
Beryllium	ug/L	ND	1.0	05/29/11 16:03	
Cadmium	ug/L	ND	1.0	05/29/11 16:03	
Chromium	ug/L	ND	5.0	05/29/11 16:03	
Copper	ug/L	ND	5.0	05/29/11 16:03	
Lead	ug/L	ND	5.0	05/29/11 16:03	
Nickel	ug/L	ND	5.0	05/29/11 16:03	
Selenium	ug/L	ND	10.0	05/29/11 16:03	
Silver	ug/L	ND	5.0	05/29/11 16:03	
Thallium	ug/L	ND	10.0	05/29/11 16:03	
Zinc	ug/L	ND	10.0	05/29/11 16:03	

LABORATORY CONTROL SAMPLE: 611587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	509	102	85-115	
Arsenic	ug/L	500	507	101	85-115	
Beryllium	ug/L	500	506	101	85-115	
Cadmium	ug/L	500	555	111	85-115	
Chromium	ug/L	500	496	99	85-115	
Copper	ug/L	500	494	99	85-115	
Lead	ug/L	500	530	106	85-115	
Nickel	ug/L	500	530	106	85-115	
Selenium	ug/L	500	478	96	85-115	
Silver	ug/L	250	261	104	85-115	
Thallium	ug/L	500	457	91	85-115	
Zinc	ug/L	500	487	97	85-115	

MATRIX SPIKE SAMPLE: 611588

Parameter	Units	9294848002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	514	103	70-130	
Arsenic	ug/L	ND	500	552	110	70-130	
Beryllium	ug/L	ND	500	480	96	70-130	
Cadmium	ug/L	ND	500	510	102	70-130	
Chromium	ug/L	ND	500	478	95	70-130	
Copper	ug/L	ND	500	502	100	70-130	
Lead	ug/L	ND	500	494	99	70-130	
Nickel	ug/L	ND	500	495	99	70-130	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

MATRIX SPIKE SAMPLE: 611588

Parameter	Units	9294848002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Selenium	ug/L	ND	500	560	112	70-130	
Silver	ug/L	ND	250	2.3J	1	70-130	M0
Thallium	ug/L	ND	500	543	108	70-130	
Zinc	ug/L	ND	500	568	112	70-130	

SAMPLE DUPLICATE: 611589

Parameter	Units	9294848003 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	6.1		
Beryllium	ug/L	ND	ND		
Cadmium	ug/L	ND	ND		
Chromium	ug/L	ND	ND		
Copper	ug/L	ND	.44J		
Lead	ug/L	ND	ND		
Nickel	ug/L	ND	ND		
Selenium	ug/L	ND	ND		
Silver	ug/L	ND	ND		
Thallium	ug/L	ND	ND		
Zinc	ug/L	15.7	15.1	4	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: MERP/3517 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

METHOD BLANK: 612189 Matrix: Water
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/30/11 10:59	

LABORATORY CONTROL SAMPLE: 612190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	89	85-115	

MATRIX SPIKE SAMPLE: 612191

Parameter	Units	9294590001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.2	88	70-130	

MATRIX SPIKE SAMPLE: 612193

Parameter	Units	9294848003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.1	45	70-130	M0

SAMPLE DUPLICATE: 612192

Parameter	Units	9294958001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	.14J		

SAMPLE DUPLICATE: 612194

Parameter	Units	9294848004 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: MSV/15459 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

METHOD BLANK: 612997 Matrix: Water
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	05/29/11 13:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/29/11 13:47	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/29/11 13:47	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/29/11 13:47	
1,1-Dichloroethane	ug/L	ND	1.0	05/29/11 13:47	
1,1-Dichloroethene	ug/L	ND	1.0	05/29/11 13:47	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/29/11 13:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/29/11 13:47	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	05/29/11 13:47	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/29/11 13:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/29/11 13:47	
1,2-Dichloroethane	ug/L	ND	1.0	05/29/11 13:47	
1,2-Dichloropropane	ug/L	ND	1.0	05/29/11 13:47	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/29/11 13:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/29/11 13:47	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	05/29/11 13:47	
2-Butanone (MEK)	ug/L	ND	5.0	05/29/11 13:47	
2-Hexanone	ug/L	ND	5.0	05/29/11 13:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/29/11 13:47	
Acetone	ug/L	ND	25.0	05/29/11 13:47	
Benzene	ug/L	ND	1.0	05/29/11 13:47	
Bromochloromethane	ug/L	ND	1.0	05/29/11 13:47	
Bromodichloromethane	ug/L	ND	1.0	05/29/11 13:47	
Bromoform	ug/L	ND	1.0	05/29/11 13:47	
Bromomethane	ug/L	ND	2.0	05/29/11 13:47	
Carbon disulfide	ug/L	ND	2.0	05/29/11 13:47	
Carbon tetrachloride	ug/L	ND	1.0	05/29/11 13:47	
Chlorobenzene	ug/L	ND	1.0	05/29/11 13:47	
Chloroethane	ug/L	ND	1.0	05/29/11 13:47	
Chloroform	ug/L	ND	1.0	05/29/11 13:47	
Chloromethane	ug/L	ND	1.0	05/29/11 13:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/29/11 13:47	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/29/11 13:47	
Cyclohexane	ug/L	ND	1.0	05/29/11 13:47	
Dibromochloromethane	ug/L	ND	1.0	05/29/11 13:47	
Dichlorodifluoromethane	ug/L	ND	1.0	05/29/11 13:47	
Ethylbenzene	ug/L	ND	1.0	05/29/11 13:47	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/29/11 13:47	
m&p-Xylene	ug/L	ND	2.0	05/29/11 13:47	
Methyl acetate	ug/L	ND	10.0	05/29/11 13:47	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/29/11 13:47	
Methylcyclohexane	ug/L	ND	10.0	05/29/11 13:47	
Methylene Chloride	ug/L	ND	2.0	05/29/11 13:47	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

METHOD BLANK: 612997 Matrix: Water

Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
o-Xylene	ug/L	ND	1.0	05/29/11 13:47	
Styrene	ug/L	ND	1.0	05/29/11 13:47	
Tetrachloroethene	ug/L	ND	1.0	05/29/11 13:47	
Toluene	ug/L	ND	1.0	05/29/11 13:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/29/11 13:47	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/29/11 13:47	
Trichloroethene	ug/L	ND	1.0	05/29/11 13:47	
Trichlorofluoromethane	ug/L	ND	1.0	05/29/11 13:47	
Vinyl chloride	ug/L	ND	1.0	05/29/11 13:47	
1,2-Dichloroethane-d4 (S)	%	91	70-130	05/29/11 13:47	
4-Bromofluorobenzene (S)	%	101	70-130	05/29/11 13:47	
Dibromofluoromethane (S)	%	91	70-130	05/29/11 13:47	
Toluene-d8 (S)	%	98	70-130	05/29/11 13:47	

LABORATORY CONTROL SAMPLE: 612998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	70-130	
1,1,2-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	48.1	96	70-130	
1,1-Dichloroethane	ug/L	50	46.5	93	70-130	
1,1-Dichloroethene	ug/L	50	46.6	93	70-132	
1,2,3-Trichlorobenzene	ug/L	50	51.2	102	70-135	
1,2,4-Trichlorobenzene	ug/L	50	49.0	98	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	49.7	99	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dichloroethane	ug/L	50	48.2	96	70-130	
1,2-Dichloropropane	ug/L	50	48.5	97	70-130	
1,3-Dichlorobenzene	ug/L	50	49.1	98	70-130	
1,4-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	541	54	70-130	L0
2-Butanone (MEK)	ug/L	100	80.9	81	70-145	
2-Hexanone	ug/L	100	87.1	87	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	90.9	91	70-140	
Acetone	ug/L	100	73.6	74	50-175	
Benzene	ug/L	50	48.4	97	70-130	
Bromochloromethane	ug/L	50	47.4	95	70-130	
Bromodichloromethane	ug/L	50	51.8	104	70-130	
Bromoform	ug/L	50	52.8	106	70-130	
Bromomethane	ug/L	50	44.8	90	54-130	
Carbon disulfide	ug/L	50	45.0	90	70-131	
Carbon tetrachloride	ug/L	50	51.8	104	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

LABORATORY CONTROL SAMPLE: 612998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	50	50.2	100	64-134	
Chloroform	ug/L	50	48.6	97	70-130	
Chloromethane	ug/L	50	42.4	85	64-130	
cis-1,2-Dichloroethene	ug/L	50	45.2	90	70-131	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Cyclohexane	ug/L	50	44.1	88	70-130	
Dibromochloromethane	ug/L	50	52.8	106	70-130	
Dichlorodifluoromethane	ug/L	50	44.2	88	56-130	
Ethylbenzene	ug/L	50	50.4	101	70-130	
Isopropylbenzene (Cumene)	ug/L	50	51.2	102	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl acetate	ug/L	50	60.2	120	70-130	
Methyl-tert-butyl ether	ug/L	50	49.6	99	70-130	
Methylcyclohexane	ug/L	50	51.3	103	70-130	
Methylene Chloride	ug/L	50	41.2	82	63-130	
o-Xylene	ug/L	50	49.6	99	70-130	
Styrene	ug/L	50	53.5	107	70-130	
Tetrachloroethene	ug/L	50	54.6	109	70-130	
Toluene	ug/L	50	49.6	99	70-130	
trans-1,2-Dichloroethene	ug/L	50	44.5	89	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	70-132	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	53.2	106	62-133	
Vinyl chloride	ug/L	50	46.2	92	69-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			100	70-130	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: WETA/9780
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Associated Lab Samples: 9294848001

METHOD BLANK: 612489
Matrix: Water
Associated Lab Samples: 9294848001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	05/27/11 16:33	

LABORATORY CONTROL SAMPLE: 612490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	4.9	97	90-110	

MATRIX SPIKE SAMPLE: 612491

Parameter	Units	9294757001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 612495

Parameter	Units	9294757002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5.8	5	11.4	111	90-110	M1

SAMPLE DUPLICATE: 612496

Parameter	Units	9294766002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	6.5	7.0	7	

SAMPLE DUPLICATE: 612497

Parameter	Units	9294768002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	1.7	1.5	12	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: WETA/9795 — Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 — Analysis Description: 350.1 Ammonia
Associated Lab Samples: 9294848002, 9294848003, 9294848004

METHOD BLANK: 613502 — Matrix: Water
Associated Lab Samples: 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	06/01/11 11:01	

LABORATORY CONTROL SAMPLE: 613503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.3	107	90-110	

MATRIX SPIKE SAMPLE: 613504

Parameter	Units	9295072014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.11	5	6.1	120	90-110	M1

MATRIX SPIKE SAMPLE: 613508

Parameter	Units	9295072015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.18	5	6.1	119	90-110	M1

SAMPLE DUPLICATE: 613509

Parameter	Units	9295072016 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		

SAMPLE DUPLICATE: 613510

Parameter	Units	9294848002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	68.4	73.8	8	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: WETA/9815 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

METHOD BLANK: 615466 — Matrix: Water
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	06/03/11 15:48	

LABORATORY CONTROL SAMPLE: 615467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 615468

Parameter	Units	9295072010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	5	5.4	108	90-110	

MATRIX SPIKE SAMPLE: 615470

Parameter	Units	9295072011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.20	5	5.0	96	90-110	

SAMPLE DUPLICATE: 615469

Parameter	Units	9295072010 Result	Dup Result	RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		

SAMPLE DUPLICATE: 615471

Parameter	Units	9295072011 Result	Dup Result	RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.20	ND		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: WETA/9850 — Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E — Analysis Description: 4500 Chloride
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

METHOD BLANK: 618119 — Matrix: Water
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	5.0	06/09/11 13:29	

LABORATORY CONTROL SAMPLE: 618120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.7	98	90-110	

MATRIX SPIKE SAMPLE: 618121

Parameter	Units	9294848001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	142	20	150	44	75-125	M1

SAMPLE DUPLICATE: 618123

Parameter	Units	9294848002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L		71.1		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: WETA/9834 — Analysis Method: SM 5220D
QC Batch Method: SM 5220D — Analysis Description: 5220D COD
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

METHOD BLANK: 616413 — Matrix: Water
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	06/07/11 14:18	

LABORATORY CONTROL SAMPLE: 616414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	745	99	90-110	

MATRIX SPIKE SAMPLE: 616416

Parameter	Units	9294815001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	46.0	750	976	124	75-125	

MATRIX SPIKE SAMPLE: 616418

Parameter	Units	9294822012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	80000 ug/L	750	911	111	75-125	

SAMPLE DUPLICATE: 616415

Parameter	Units	9294815001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	46.0	55.0	18	

SAMPLE DUPLICATE: 616417

Parameter	Units	9294855001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	111	105	6	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

QC Batch: WETA/9781 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

METHOD BLANK: 612500 Matrix: Water
Associated Lab Samples: 9294848001, 9294848002, 9294848003, 9294848004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	06/01/11 14:06	

LABORATORY CONTROL SAMPLE: 612501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	26.0	104	90-110	

MATRIX SPIKE SAMPLE: 612502

Parameter	Units	9294816005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.2	25	32.5	81	75-125	

MATRIX SPIKE SAMPLE: 612504

Parameter	Units	9294816007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	29.9	25	26.5	-14	75-125	M0

SAMPLE DUPLICATE: 612503

Parameter	Units	9294816006 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	ND	ND		

SAMPLE DUPLICATE: 612505

Parameter	Units	9294816008 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	1.5	1.5	0	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALIFIERS

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

DEFINITIONS

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.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: REYNOLDS MOUNTAIN
Pace Project No.: 9294848

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9294848001	**RM-2**	SM 3030C	MPRP/8444	EPA 200.7	ICP/7801
9294848002	**RM-3**	SM 3030C	MPRP/8444	EPA 200.7	ICP/7801
9294848003	**RM-4**	SM 3030C	MPRP/8444	EPA 200.7	ICP/7801
9294848004	**RM-4 DUP**	SM 3030C	MPRP/8444	EPA 200.7	ICP/7801
9294848001	**RM-2**	EPA 245.1	MERP/3517	EPA 245.1	MERC/3468
9294848002	**RM-3**	EPA 245.1	MERP/3517	EPA 245.1	MERC/3468
9294848003	**RM-4**	EPA 245.1	MERP/3517	EPA 245.1	MERC/3468
9294848004	**RM-4 DUP**	EPA 245.1	MERP/3517	EPA 245.1	MERC/3468
9294848001	**RM-2**	EPA 8260	MSV/15459		
9294848002	**RM-3**	EPA 8260	MSV/15459		
9294848003	**RM-4**	EPA 8260	MSV/15459		
9294848004	**RM-4 DUP**	EPA 8260	MSV/15459		
9294848001	**RM-2**	EPA 350.1	WETA/9780		
9294848002	**RM-3**	EPA 350.1	WETA/9795		
9294848003	**RM-4**	EPA 350.1	WETA/9795		
9294848004	**RM-4 DUP**	EPA 350.1	WETA/9795		
9294848001	**RM-2**	EPA 353.2	WETA/9815		
9294848002	**RM-3**	EPA 353.2	WETA/9815		
9294848003	**RM-4**	EPA 353.2	WETA/9815		
9294848004	**RM-4 DUP**	EPA 353.2	WETA/9815		
9294848001	**RM-2**	SM 4500-Cl-E	WETA/9850		
9294848002	**RM-3**	SM 4500-Cl-E	WETA/9850		
9294848003	**RM-4**	SM 4500-Cl-E	WETA/9850		
9294848004	**RM-4 DUP**	SM 4500-Cl-E	WETA/9850		
9294848001	**RM-2**	SM 5220D	WETA/9834		
9294848002	**RM-3**	SM 5220D	WETA/9834		
9294848003	**RM-4**	SM 5220D	WETA/9834		
9294848004	**RM-4 DUP**	SM 5220D	WETA/9834		
9294848001	**RM-2**	SM 5310B	WETA/9781		
9294848002	**RM-3**	SM 5310B	WETA/9781		
9294848003	**RM-4**	SM 5310B	WETA/9781		
9294848004	**RM-4 DUP**	SM 5310B	WETA/9781		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1476986

Section A Required Client Information:

Company: SCS Engineers
Address: 2520 Whitehall Park Dr. Charlotte, NC 28273
Email To: mcobb@scsengineers.com
Phone: 704-504-3107 Fax: 704-504-3104
Requested Due Date/TAT: normal

Section B Required Project Information:

Report To: Mike Cobb
Copy To:
Purchase Order No.:
Project Name: Reynolds Mountain
Project Number: 02207301.05

Section C Invoice Information:

Attention: Mike Cobb
Company Name: SCS
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 2441-1

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: 200.7	245.1	350.1	353.2	4500	5210B	5310B	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	RM-2	WT	G	5/24					12	1	2	2	5				2	X	X	X	X	X	X	X	X		001
2	RM-3	|	|	5/23					12	1	2	2	5				2	X	X	X	X	X	X	X	X		002
3	RM-4	|	|	5/23					12	1	2	2	5				2	X	X	X	X	X	X	X	X		003
4	RM-4 DUP	|		5/23					10	1	1	2	5				2	X	X	X	X	X	X	X	X		004
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	R. Cu	5/25	1006	Jmoore Pace	5/25	1000	4.1	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: SCS Project # 9294848

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☑ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun : T1101 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0 °C

Corrected Cooler Temp.: 4.1 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5/25/11 MSLD

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

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: L.G. **Date:** 5/25/11 **SRF Review:** L.G. **Date:** 5/25/11

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 (i.e out of hold, incorrect preservative, out of temp, incorrect containers)