07007-03-11

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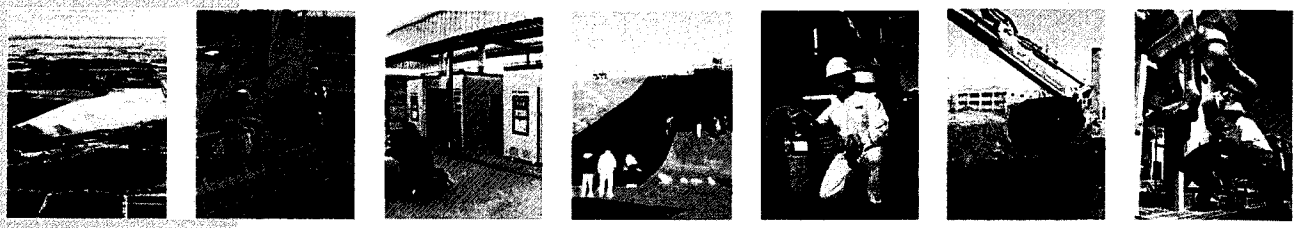

GROUNDWATER SAMPLING REPORT

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

Prepared for:

Reynolds Mountain Development Group
232 Senator Reynolds Road
Asheville, North Carolina 28804

Prepared by:

SCS ENGINEERS
2655 Evatt Lane, Suite 109
North Charleston, South Carolina 29405
(843) 746-8525

March 24, 2008
File No. 02207301.01

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09 LURU attachment

Environmental Consultants
and Contractors

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SCS ENGINEERS

March 24, 2008
File No. 02207301.01

Mr. Vic Knight, Director of Planning and Development
Reynolds Mountain Development Group
232 Senator Reynolds Road
Asheville, North Carolina 28804

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

Dear Mr. Knight:

Enclosed is the Groundwater Sampling Report for the Elk Mountain Landfill Brownfields Project site located in Woodfin, North Carolina. Sampling was conducted in February 2008. All four on-site groundwater wells were sampled in accordance with the Brownfields Agreement.

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), trichloroethene (TCE) and vinyl chloride. Both vinyl chloride and DCE are likely biological degradation products of the TCE. TCE, DCE and vinyl choride have historically been detected in MW-2. No constituents were detected in the remaining three wells that exceeded established groundwater standards.

Pursuant the Brownfields Agreement, this report shall be submitted to the North Carolina Department of Environment and Natural Resources (DENR) as part of the Land Use Restrictions Update (LURU), which is due in January 2009. However, since MW-2 showed elevated levels of VOCs, SCS recommends submitting this report to DENR before the LURU submittal date.

If you have any questions, please do not hesitate to contact Steve at 704-504-3107.

Sincerely,

Cory Mahony
Staff Professional
SCS ENGINEERS, PC

Steven C. Lamb, P.E.
Vice President
SCS ENGINEERS, PC

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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 Reynolds Mountain Development Group. It has been prepared in accordance with accepted quality control practices and has been reviewed by the undersigned.

Cory Mahony
Staff Professional

Steven C. Lamb, P.E.
Vice President

EXECUTIVE SUMMARY

The Elk Mountain Landfill Brownfields site is a 156-acre site. The Site includes three waste-containing areas, which were used for the disposal of municipal solid waste, 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 February 7, 2008, groundwater sampling was conducted at the site following the United States Environmental Protection Agency Region 4 Standard Operating Procedures. 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 Environment and Natural Resources (DENR) as part of the Land Use Restrictions Update (LURU), which is submitted in January 2009.

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), trichloroethene (TCE) and vinyl chloride. Both vinyl chloride and DCE are likely biological degradation products of the TCE. TCE, DCE and vinyl choride have historically been detected in MW-2.

No constituents were detected in the remaining three 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-1980's. Beginning in 1999, the site operated as a 9-hole golf course, which was later closed in 2003.

Reynolds Mountain Development (Reynolds) purchased the property from the Town of Woodfin in March 2007. Reynolds plans to redevelop the property in accordance with the Brownfields Agreement which 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 wells is provided as Figure 2.

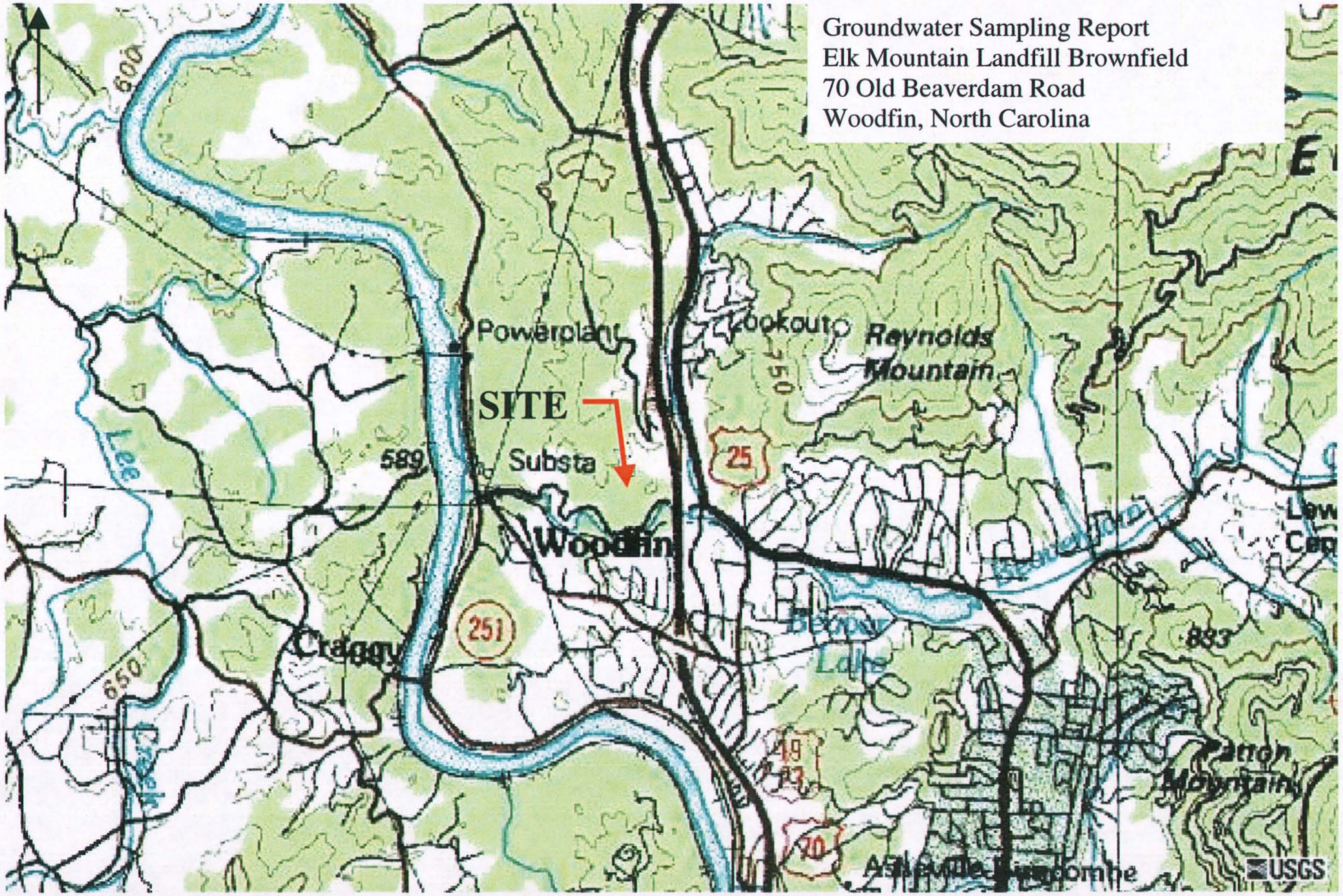

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FIGURE 1. SITE LOCATION MAP –1983 USGS 7.5 Topographic Map of Pelzer, South Carolina

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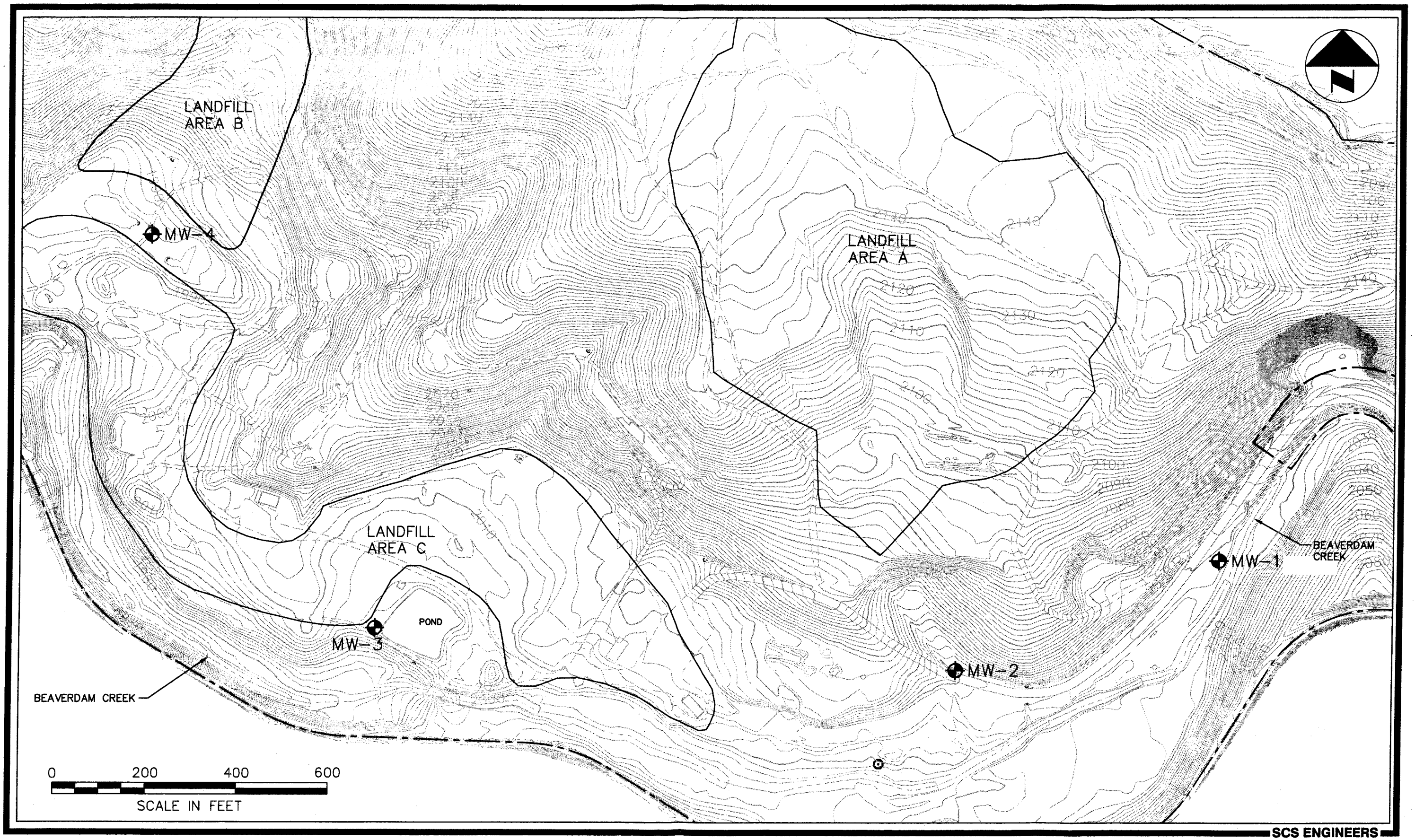

FIGURE 2 - EXISTING CONDITIONS

2 LOCATION AND GEOLOGY

The Elk Mountain Landfill Brownfields Site is located at 70 Old Beaverdam Road in Woodfin, North Carolina. The site is bordered to the south b y 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 highway 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 Broad River, located to the west of the site.

Groundwater was encountered at the subject site under unconfined conditions at depths ranging from approximately three to 15 feet below land surface (BLS).

3 GROUNDWATER INVESTIGATION

3.1 Groundwater Sample Collection Methods

On February 7, 2008, groundwater sampling was initiated on all site monitoring wells. The groundwater monitoring wells were sampled following the United States Environmental Protection Agency (EPA) Region 4 SOP guidance document. 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 the four 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 Geotech Geopump II peristaltic pump equipped with ¼ inch inside diameter Teflon-lined polyethylene tubing. Purging continued until a minimum of three casing volumes had been purged and until pH, specific conductivity, and temperature measurements 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 sufficient recharge 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 volatile organic compounds (VOCs) were obtained first. Groundwater samples were collected in laboratory-supplied, pre-cleaned vials or bottles with Teflon™-lined septa or caps, respectively. Caution was exercised to prevent overspill of 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) volatile organic compounds (VOC)s 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 volatile organic compounds (VOCs) at concentrations greater than the North Carolina groundwater standards; benzene, cis-1,2-Dichloroethene (DCE), trichloroethene (TCE) and vinyl chloride. Both vinyl chloride and DCE are likely biological degradation products of the TCE. TCE, DCE and vinyl choride have historically been detected in MW-2.

No other detected constituents were detected at concentrations which 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 February 2008 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 February 2008 event is included as Figure 3. The groundwater flow direction determined for the February 2008 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	NC Groundwater Standard
Benzene	ug/L	<1	**1.8**	<1	<1	1
Chlorobenzene	ug/L	<1	1.3	5.4	2.9	50
1,4-dichlorobenzene	ug/L	<1	1.1	3.5	<1	NA
1,1-Dichloroethane	ug/L	<1	5.1	<1	<1	70
1,1-Dichloroethene	ug/L	<1	4.5	<1	<1	7
cis-1.2-Dichloroethene	ug/L	4.3	**409**	<1	<1	70
trans-1.2-dichloroethene	ug/L	<1	1.5	<1	<1	200
Trichloroethene	ug/L	<1	**84.4**	<1	<1	2.8
Vinyl Chloride	ug/L	<1	**30.4**	<1	<1	0.015
Nitrogen, Ammonia	mg/L	<0.10	0.79	54.6	13.6	NA
Chloride	mg/L	7.0	132	57.3	35.1	250
Chemical Oxygen Demand	mg/L	<25	38.0	68.0	56.0	NA
Total Organic Carbon	mg/L	14.7	25.5	41.6	20.8	NA
Arsenic	ug/L	<1.0	<1.0	2.0	<1.0	50
Chromium	ug/L	1.1	1.9	4.6	<1.0	50
Copper	ug/L	2.1	3	4.1	1.1	1,000
Lead	ug/L	<1.0	<1.0	15	<1.0	15
Nickel	ug/L	4.0	5.0	7.3	2.0	100
Selenium	ug/L	<1.0	1.4	<1.0	<1.0	50
Zinc	ug/L	17	<10	99	18	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	4.95	2007.83
MW-2	2012.3	2.80	2009.5
MW-3	1994.84	14.70	1980.14
MW-4	1977.04	6.20	1970.84

Notes:
1. Depth to groundwater measurements taken on February 7, 2008.

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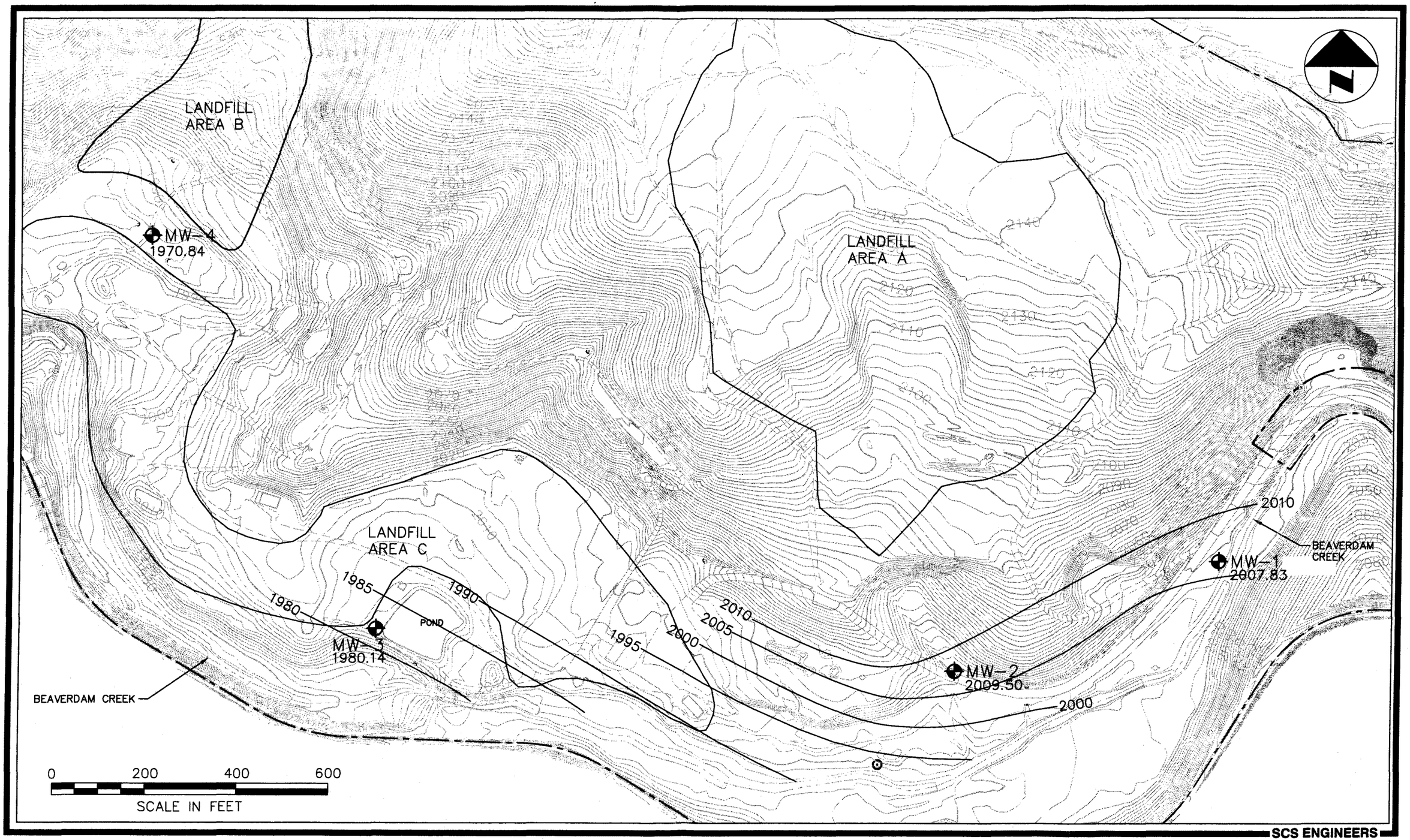

FIGURE 3 - POTENTIOMETRIC MAP

4 CONCLUSION AND RECOMMENDATIONS

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 February 7, 2008, to evaluate groundwater quality at the site. The groundwater monitoring wells were sampled following protocols established in the United States Environmental Protection Agency (EPA) Region 4 SOP guidance document. The groundwater samples were analyzed for VOCs, metals, ammonia, chloride, COD, and TOC.

Results of the groundwater sampling indicated four VOCs (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 Brownfields Agreement, the groundwater monitoring wells will be sampled again in February 2009.

APPENDIX A
WELL SAMPLING LOGS

SCS Engineers Well Sampling Log

Site ID:	Woodfin Landfill		
Well ID:	MW-1	Date	2/7/2008
Weather:			
Total Well Depth (TWD): 6.54	- Depth to Groundwater: 4.95		
=Length of Water Column: 1.59			
X: .04 (1"), .16(2"), .65(4") = 1 casing volume: .06			
1 Purge Volume = .06		3 Purge Volumes = .18	
Purge Method: Peristaltic Pump			
Sample Collection Method:			

Well Diameter:	1"	2"	4"	Other:
Casing Material: PVC				
Protective Steel Housing:		Yes:		No:
Locking Cap:		Yes:		No:
Well Condition Satisfactory:		Yes:		No:
Well Type:		Upright		Flush Mount
Sampled by:	C Mahony/M Cobb		Time: 1240	
Additional Comments: Dry at 1st volume.				

	Units					
Purge Volume		0.06	24	After Recovery		
Time		1225		1240		
Temp	°C	9.5		9.4		
Ph	pH	5.7		5.8		
Spec. Cond	µS/cm	260		250		
Turb	NTU	70.4		68.6		
Dissolved Oxygen						
ORP/Redox						
TDS						

SCS Engineers Well Sampling Log

Site ID:	Woodfin Landfill		
Well ID:	MW-2	Date	2/7/2008
Weather:			
Total Well Depth (TWD): 15.97	- Depth to Groundwater: 2.80		
=Length of Water Column: 13.17			
X: .04 (1"), .16(2"), .65(4") = 1 casing volume: .53			
1 Purge Volume = .53		3 Purge Volumes = 1.59	
Purge Method: Peristaltic Pump			
Sample Collection Method: Peristaltic Pump			

Well Diameter:	1" ✓	2"	4"	Other:
Casing Material: PVC				
Protective Steel Housing:		Yes: ✓		No:
Locking Cap:		Yes:		No: ✓
Well Condition Satisfactory:		Yes: ✓		No:
Well Type:		Upright		Flush Mount ✓
Sampled by:	C Mahony/M Cobb		Time: 1215	
Additional Comments:				

	Units					
Purge Volume		.53	1.06	1.59		
Time		1200	1205	1210		
Temp	°C	~~6.2~~ 11.5	~~6.2~~ 12.0	12.2		
Ph	pH	6.2	6.2	6.2		
Spec. Cond	µS/cm	~~148~~ 780	111 790	750		
Turb	NTU	148	111	19.9		
Dissolved Oxygen						
ORP/Redox						
TDS						

SCS Engineers Well Sampling Log

Site ID:	Woodfin Landfill		
Well ID:	MW-3	Date	2/7/2008
Weather:			
Total Well Depth (TWD): 19.11	- Depth to Groundwater: 14.7		
=Length of Water Column: 4.41			
X: .04 (1"), .16(2"), .65(4") = 1 casing volume: .18			
1 Purge Volume = .18		3 Purge Volumes = .54	
Purge Method: Peristaltic Pump			
Sample Collection Method: Peristaltic Pump			

Well Diameter:	1" ✓	2"	4"	Other:
Casing Material: PVC				
Protective Steel Housing:		Yes: ✓		No:
Locking Cap:		Yes:		No: ✓
Well Condition Satisfactory:		Yes: ✓		No:
Well Type:		Upright		Flush Mount ✓
Sampled by:	C Mahony/M Cobb		Time: 1155	
Additional Comments:				

	Units					
Purge Volume		.18	.36	.54		
Time		1140	1145	1150		
Temp	°C	13.8	14.1	14.1		
Ph	pH	6.6	6.6	6.6		
Spec. Cond	µS/cm	1080	1100	1120		
Turb	NTU	35.8	28.9	38.2		
Dissolved Oxygen						
ORP/Redox						
TDS						

SCS Engineers Well Sampling Log

Site ID:	Woodfin Landfill		
Well ID:	MW-4	Date	2/7/2008
Weather: clear, 6°C			
Total Well Depth (TWD): 15.67	- Depth to Groundwater: 6.20		
=Length of Water Column: 9.47			
X: .04 (1"), .16(2"), .65(4") = 1 casing volume: .38			
1 Purge Volume = .38		3 Purge Volumes = 1.14	
Purge Method: Peristaltic Pump			
Sample Collection Method:			

Well Diameter:	1" ✓	2"	4"	Other:
Casing Material: PVC				
Protective Steel Housing:		Yes: ✓		No:
Locking Cap:		Yes:		No: ✓
Well Condition Satisfactory:		Yes: ✓		No:
Well Type:		Upright		Flush Mount ✓
Sampled by:	C Mahony/M Cobb		Time: 1110	
Additional Comments:				

	Units					
Purge Volume		.38	.76	1.14		
Time		1100	1105	1110		
Temp	°C	13.1	12.8	12.9		
Ph	pH	6.5	6.6	6.6		
Spec. Cond	µS/cm	810	800	790		
Turb	NTU	48.1	10.83	6.70		
Dissolved Oxygen						
ORP/Redox						
TDS						

APPENDIX B
CERTIFICATES OF ANALYSES AND CHAIN OF CUSTODY DOCUMENTATION

Pace Analytical®
www.pacelabs.com

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

February 26, 2008

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

RE: Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Dear Mr. Cobb:
Enclosed are the analytical results for sample(s) received by the laboratory on February 07, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Kevin Herring

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Charlotte Certification IDs
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs
Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs
North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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SAMPLE ANALYTE COUNT

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9213243001	**MW-4**	EPA 350.1	SAJ	1	PASI-A
		EPA 8260	MSF	70	PASI-C
		SM 4500-Cl-E	DMN	1	PASI-A
		SM 5220D	DMN	1	PASI-A
		SM 5310B	SAJ	1	PASI-A
9213243002	**MW-3**	EPA 350.1	SAJ	1	PASI-A
		EPA 8260	MSF	70	PASI-C
		SM 4500-Cl-E	DMN	1	PASI-A
		SM 5220D	DMN	1	PASI-A
		SM 5310B	SAJ	1	PASI-A
9213243003	**MW-2**	EPA 350.1	SAJ	1	PASI-A
		EPA 8260	MSF	70	PASI-C
		SM 4500-Cl-E	DMN	1	PASI-A
		SM 5220D	DMN	1	PASI-A
		SM 5310B	SAJ	1	PASI-A
9213243004	**MW-1**	EPA 350.1	SAJ	1	PASI-A
		EPA 8260	MSF	70	PASI-C
		SM 4500-Cl-E	DMN	1	PASI-A
		SM 5220D	DMN	1	PASI-A
		SM 5310B	SAJ	1	PASI-A

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-4 **Lab ID: 9213243001** Collected: 02/07/08 11:10 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/12/08 19:47	67-64-1	
Benzene	ND	ug/L	1.0	1		02/12/08 19:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/12/08 19:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/12/08 19:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/12/08 19:47	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/12/08 19:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/08 19:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/12/08 19:47	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/12/08 19:47	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/12/08 19:47	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/12/08 19:47	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/12/08 19:47	56-23-5	
Chlorobenzene	**2.9**	ug/L	1.0	1		02/12/08 19:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/12/08 19:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/12/08 19:47	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/12/08 19:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 19:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 19:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		02/12/08 19:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/12/08 19:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/12/08 19:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/12/08 19:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 19:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 19:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 19:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/12/08 19:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/12/08 19:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/12/08 19:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/12/08 19:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/12/08 19:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/12/08 19:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 19:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/12/08 19:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 19:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/12/08 19:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 19:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 19:47	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/12/08 19:47	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/12/08 19:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/12/08 19:47	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/12/08 19:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/12/08 19:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/12/08 19:47	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/12/08 19:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/12/08 19:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/12/08 19:47	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/12/08 19:47	91-20-3	

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-4 **Lab ID: 9213243001** Collected: 02/07/08 11:10 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
n-Propylbenzene	ND	ug/L	1.0	1		02/12/08 19:47	103-65-1	
Styrene	ND	ug/L	1.0	1		02/12/08 19:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 19:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 19:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/12/08 19:47	127-18-4	
Toluene	ND	ug/L	1.0	1		02/12/08 19:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 19:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 19:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/12/08 19:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/12/08 19:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/12/08 19:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/12/08 19:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/12/08 19:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 19:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 19:47	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1		02/12/08 19:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/12/08 19:47	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		02/12/08 19:47	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		02/12/08 19:47	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		02/12/08 19:47	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	1		02/12/08 19:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120	1		02/12/08 19:47	17060-07-0	
Toluene-d8 (S)	98	%	70-120	1		02/12/08 19:47	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**13.6**	mg/L	0.50	5		02/13/08 16:44	7764-41-7	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**35.1**	mg/L	5.0	1		02/12/08 16:07	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	**56.0**	mg/L	25.0	1		02/13/08 20:53		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**20.8**	mg/L	5.0	5		02/13/08 10:10	7440-44-0	

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-3 **Lab ID: 9213243002** Collected: 02/07/08 11:55 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/12/08 20:11	67-64-1	
Benzene	ND	ug/L	1.0	1		02/12/08 20:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/12/08 20:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/12/08 20:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/12/08 20:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/12/08 20:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/08 20:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/12/08 20:11	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:11	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:11	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:11	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/12/08 20:11	56-23-5	
Chlorobenzene	**5.4**	ug/L	1.0	1		02/12/08 20:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/12/08 20:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/12/08 20:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/12/08 20:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 20:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 20:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		02/12/08 20:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/12/08 20:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/12/08 20:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/12/08 20:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:11	541-73-1	
1,4-Dichlorobenzene	**3.5**	ug/L	1.0	1		02/12/08 20:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/12/08 20:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/12/08 20:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/12/08 20:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/12/08 20:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/12/08 20:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/12/08 20:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:11	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/12/08 20:11	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/12/08 20:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/12/08 20:11	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/12/08 20:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/12/08 20:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/12/08 20:11	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/12/08 20:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/12/08 20:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/12/08 20:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/12/08 20:11	91-20-3	

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-3 **Lab ID: 9213243002** Collected: 02/07/08 11:55 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
n-Propylbenzene	ND	ug/L	1.0	1		02/12/08 20:11	103-65-1	
Styrene	ND	ug/L	1.0	1		02/12/08 20:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 20:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 20:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/12/08 20:11	127-18-4	
Toluene	ND	ug/L	1.0	1		02/12/08 20:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/12/08 20:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/12/08 20:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/12/08 20:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/12/08 20:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/12/08 20:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 20:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 20:11	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1		02/12/08 20:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/12/08 20:11	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		02/12/08 20:11	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		02/12/08 20:11	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		02/12/08 20:11	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		02/12/08 20:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120	1		02/12/08 20:11	17060-07-0	
Toluene-d8 (S)	98	%	70-120	1		02/12/08 20:11	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**54.6**	mg/L	2.2	22		02/13/08 17:10	7764-41-7	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**57.3**	mg/L	10.0	2		02/12/08 16:16	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	**68.0**	mg/L	25.0	1		02/13/08 20:53		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**41.6**	mg/L	5.0	5		02/13/08 10:10	7440-44-0	

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-2 **Lab ID: 9213243003** Collected: 02/07/08 12:15 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/12/08 20:34	67-64-1	
Benzene	**1.8**	ug/L	1.0	1		02/12/08 20:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/12/08 20:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/12/08 20:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/12/08 20:34	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/12/08 20:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/08 20:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/12/08 20:34	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:34	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:34	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:34	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/12/08 20:34	56-23-5	
Chlorobenzene	**1.3**	ug/L	1.0	1		02/12/08 20:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/12/08 20:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/12/08 20:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/12/08 20:34	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 20:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 20:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		02/12/08 20:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/12/08 20:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/12/08 20:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/12/08 20:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:34	541-73-1	
1,4-Dichlorobenzene	**1.1**	ug/L	1.0	1		02/12/08 20:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/12/08 20:34	75-71-8	
1,1-Dichloroethane	**5.1**	ug/L	1.0	1		02/12/08 20:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/12/08 20:34	107-06-2	
1,1-Dichloroethene	**4.5**	ug/L	1.0	1		02/12/08 20:34	75-35-4	
cis-1,2-Dichloroethene	**409**	ug/L	5.0	5		02/13/08 20:52	156-59-2	
trans-1,2-Dichloroethene	**1.5**	ug/L	1.0	1		02/12/08 20:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:34	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/12/08 20:34	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/12/08 20:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/12/08 20:34	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/12/08 20:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/12/08 20:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/12/08 20:34	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/12/08 20:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/12/08 20:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/12/08 20:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/12/08 20:34	91-20-3	

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-2 **Lab ID: 9213243003** Collected: 02/07/08 12:15 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
n-Propylbenzene	ND	ug/L	1.0	1		02/12/08 20:34	103-65-1	
Styrene	ND	ug/L	1.0	1		02/12/08 20:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 20:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 20:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/12/08 20:34	127-18-4	
Toluene	ND	ug/L	1.0	1		02/12/08 20:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/12/08 20:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/12/08 20:34	79-00-5	
Trichloroethene	**84.4**	ug/L	1.0	1		02/12/08 20:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/12/08 20:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/12/08 20:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 20:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 20:34	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1		02/12/08 20:34	108-05-4	
Vinyl chloride	**30.4**	ug/L	1.0	1		02/12/08 20:34	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		02/12/08 20:34	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		02/12/08 20:34	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		02/12/08 20:34	460-00-4	
Dibromofluoromethane (S)	99	%	85-115	1		02/12/08 20:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120	1		02/12/08 20:34	17060-07-0	
Toluene-d8 (S)	99	%	70-120	1		02/12/08 20:34	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**0.79**	mg/L	0.10	1		02/13/08 16:10	7764-41-7	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**132**	mg/L	20.0	4		02/12/08 16:31	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	**38.0**	mg/L	25.0	1		02/13/08 20:53		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**25.5**	mg/L	5.0	5		02/13/08 10:10	7440-44-0	

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-1 **Lab ID: 9213243004** Collected: 02/07/08 12:40 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/12/08 20:58	67-64-1	
Benzene	ND	ug/L	1.0	1		02/12/08 20:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/12/08 20:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/12/08 20:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/12/08 20:58	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/12/08 20:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/08 20:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/12/08 20:58	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:58	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:58	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/12/08 20:58	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/12/08 20:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/12/08 20:58	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/12/08 20:58	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/12/08 20:58	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/12/08 20:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 20:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/12/08 20:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		02/12/08 20:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/12/08 20:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/12/08 20:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/12/08 20:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/12/08 20:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/12/08 20:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/12/08 20:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/12/08 20:58	75-35-4	
cis-1,2-Dichloroethene	**4.3**	ug/L	1.0	1		02/12/08 20:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/12/08 20:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/12/08 20:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/12/08 20:58	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/12/08 20:58	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/12/08 20:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/12/08 20:58	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/12/08 20:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/12/08 20:58	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/12/08 20:58	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/12/08 20:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/12/08 20:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/12/08 20:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/12/08 20:58	91-20-3	

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ANALYTICAL RESULTS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Sample: MW-1 **Lab ID: 9213243004** Collected: 02/07/08 12:40 Received: 02/07/08 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
n-Propylbenzene	ND	ug/L	1.0	1		02/12/08 20:58	103-65-1	
Styrene	ND	ug/L	1.0	1		02/12/08 20:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 20:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/12/08 20:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/12/08 20:58	127-18-4	
Toluene	ND	ug/L	1.0	1		02/12/08 20:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/12/08 20:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/12/08 20:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/12/08 20:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/12/08 20:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/12/08 20:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/12/08 20:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 20:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/12/08 20:58	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1		02/12/08 20:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/12/08 20:58	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		02/12/08 20:58	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		02/12/08 20:58	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		02/12/08 20:58	460-00-4	
Dibromofluoromethane (S)	99	%	85-115	1		02/12/08 20:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120	1		02/12/08 20:58	17060-07-0	
Toluene-d8 (S)	98	%	70-120	1		02/12/08 20:58	2037-26-5	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		02/13/08 16:12	7764-41-7	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**7.0**	mg/L	5.0	1		02/12/08 16:08	16887-00-6	
5220D COD	Analytical Method: SM 5220D							
Chemical Oxygen Demand	ND	mg/L	25.0	1		02/13/08 20:53		
5310B TOC	Analytical Method: SM 5310B							
Total Organic Carbon	**14.7**	mg/L	1.0	1		02/13/08 10:10	7440-44-0	

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QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

QC Batch: MSV/2555 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

METHOD BLANK: 76023
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	5.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	5.0	
4-Chlorotoluene	ug/L	ND	1.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	
Acetone	ug/L	ND	25.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

METHOD BLANK: 76023

Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
m&p-Xylene	ug/L	ND	2.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene Chloride	ug/L	ND	2.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	1.0	
o-Xylene	ug/L	ND	1.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl acetate	ug/L	ND	2.0	
Vinyl chloride	ug/L	ND	1.0	
1,2-Dichloroethane-d4 (S)	%	101	79-120	
4-Bromofluorobenzene (S)	%	96	87-109	
Dibromofluoromethane (S)	%	98	85-115	
Toluene-d8 (S)	%	97	70-120	

LABORATORY CONTROL SAMPLE: 76024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.3	109	83-125	
1,1,1-Trichloroethane	ug/L	50	55.9	112	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	53.6	107	73-127	
1,1,2-Trichloroethane	ug/L	50	53.4	107	77-123	
1,1-Dichloroethane	ug/L	50	54.6	109	76-129	
1,1-Dichloroethene	ug/L	50	56.4	113	78-146	
1,1-Dichloropropene	ug/L	50	56.3	113	79-134	
1,2,3-Trichlorobenzene	ug/L	50	50.6	101	70-150	
1,2,3-Trichloropropane	ug/L	50	52.8	106	72-125	
1,2,4-Trichlorobenzene	ug/L	50	55.6	111	68-127	
1,2,4-Trimethylbenzene	ug/L	50	59.0	118	78-138	
1,2-Dibromo-3-chloropropane	ug/L	50	47.7	95	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	55.7	111	81-125	
1,2-Dichlorobenzene	ug/L	50	57.7	115	82-126	

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QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

LABORATORY CONTROL SAMPLE: 76024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.0	104	72-126	
1,2-Dichloropropane	ug/L	50	55.3	111	80-127	
1,3,5-Trimethylbenzene	ug/L	50	59.3	119	73-118	L3
1,3-Dichlorobenzene	ug/L	50	56.4	113	82-124	
1,3-Dichloropropane	ug/L	50	54.6	109	79-124	
1,4-Dichlorobenzene	ug/L	50	56.5	113	79-125	
2,2-Dichloropropane	ug/L	50	56.2	112	58-140	
2-Butanone (MEK)	ug/L	100	82.7	83	50-134	
2-Chlorotoluene	ug/L	50	57.3	115	81-126	
2-Hexanone	ug/L	100	94.3	94	58-138	
4-Chlorotoluene	ug/L	50	57.5	115	82-126	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	70-131	
Acetone	ug/L	100	75.8	76	50-146	
Benzene	ug/L	50	54.3	109	78-128	
Bromobenzene	ug/L	50	54.9	110	81-127	
Bromochloromethane	ug/L	50	51.7	103	73-124	
Bromodichloromethane	ug/L	50	53.7	107	81-125	
Bromoform	ug/L	50	50.2	100	71-125	
Bromomethane	ug/L	50	52.6	105	50-150	
Carbon tetrachloride	ug/L	50	64.7	129	81-137	
Chlorobenzene	ug/L	50	57.3	115	82-126	
Chloroethane	ug/L	50	54.9	110	69-140	
Chloroform	ug/L	50	58.0	116	77-129	
Chloromethane	ug/L	50	49.7	99	54-139	
cis-1,2-Dichloroethene	ug/L	50	53.9	108	76-133	
cis-1,3-Dichloropropene	ug/L	50	58.2	116	76-127	
Dibromochloromethane	ug/L	50	53.1	106	77-125	
Dibromomethane	ug/L	50	52.8	106	77-125	
Dichlorodifluoromethane	ug/L	50	68.7	137	50-150	
Diisopropyl ether	ug/L	50	57.9	116	74-131	
Ethylbenzene	ug/L	50	56.0	112	80-127	
Hexachloro-1,3-butadiene	ug/L	50	63.7	127	78-145	
Isopropylbenzene (Cumene)	ug/L	50	56.2	112	84-135	
m&p-Xylene	ug/L	100	110	110	82-127	
Methyl-tert-butyl ether	ug/L	50	56.2	112	71-130	
Methylene Chloride	ug/L	50	53.4	107	67-133	
n-Butylbenzene	ug/L	50	61.1	122	73-122	
n-Propylbenzene	ug/L	50	57.0	114	82-129	
Naphthalene	ug/L	50	56.3	113	52-136	
o-Xylene	ug/L	50	54.5	109	83-124	
p-Isopropyltoluene	ug/L	50	57.8	116	73-122	
sec-Butylbenzene	ug/L	50	58.5	117	82-131	
Styrene	ug/L	50	56.6	113	80-130	
tert-Butylbenzene	ug/L	50	57.9	116	80-130	
Tetrachloroethene	ug/L	50	55.4	111	78-128	
Toluene	ug/L	50	53.7	107	76-126	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	78-134	
trans-1,3-Dichloropropene	ug/L	50	52.0	104	75-125	

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(828)254-7176

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

QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

LABORATORY CONTROL SAMPLE: 76024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	50	54.1	108	79-127	
Trichlorofluoromethane	ug/L	50	57.6	115	76-148	
Vinyl acetate	ug/L	100	187	187	50-150	L3
Vinyl chloride	ug/L	50	59.4	119	67-143	
1,2-Dichloroethane-d4 (S)	%			94	79-120	
4-Bromofluorobenzene (S)	%			99	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			100	70-120	

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QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

QC Batch: WETA/2087 | Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E | Analysis Description: 4500 Chloride
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

METHOD BLANK: 76119
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chloride	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 76120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.0	105	90-110	

MATRIX SPIKE SAMPLE: 76121

Parameter	Units	9213243001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	35.1	20	55.3	101	75-125	

SAMPLE DUPLICATE: 76122

Parameter	Units	9213243002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	57.3	57.7	.8	

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QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

QC Batch: WETA/2090 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

METHOD BLANK: 76551
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	

LABORATORY CONTROL SAMPLE: 76552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.7	97	90-110	

MATRIX SPIKE SAMPLE: 76553

Parameter	Units	9213243001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	20.8	50	80.9	120	75-125	

SAMPLE DUPLICATE: 76554

Parameter	Units	9213243002 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	41.6	48.1	15	

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QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

QC Batch: WETA/2091 — Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 — Analysis Description: 350.1 Ammonia
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

METHOD BLANK: 76612
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	

LABORATORY CONTROL SAMPLE: 76613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.0	99	90-110	

MATRIX SPIKE SAMPLE: 76614

Parameter	Units	9213243001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	13.6	5	18.6	99	75-125	

SAMPLE DUPLICATE: 76615

Parameter	Units	9213243002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	54.6	53.1	3	

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QUALITY CONTROL DATA

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

QC Batch: WETA/2092 — Analysis Method: SM 5220D
QC Batch Method: SM 5220D — Analysis Description: 5220D COD
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

METHOD BLANK: 76845
Associated Lab Samples: 9213243001, 9213243002, 9213243003, 9213243004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	

LABORATORY CONTROL SAMPLE: 76846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	765	102	90-110	

MATRIX SPIKE SAMPLE: 76847

Parameter	Units	9213243001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	56.0	750	838	104	75-125	

SAMPLE DUPLICATE: 76848

Parameter	Units	9213243002 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	68.0	68.0	0	

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QUALIFIERS

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

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.

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LABORATORIES

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

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WOODFIN/REYNOLDS MTNS 02207301
Pace Project No.: 9213243

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9213243001	**MW-4**	EPA 8260	MSV/2555		
9213243002	**MW-3**	EPA 8260	MSV/2555		
9213243003	**MW-2**	EPA 8260	MSV/2555		
9213243004	**MW-1**	EPA 8260	MSV/2555		
9213243001	**MW-4**	SM 4500-Cl-E	WETA/2087		
9213243002	**MW-3**	SM 4500-Cl-E	WETA/2087		
9213243003	**MW-2**	SM 4500-Cl-E	WETA/2087		
9213243004	**MW-1**	SM 4500-Cl-E	WETA/2087		
9213243001	**MW-4**	SM 5310B	WETA/2090		
9213243002	**MW-3**	SM 5310B	WETA/2090		
9213243003	**MW-2**	SM 5310B	WETA/2090		
9213243004	**MW-1**	SM 5310B	WETA/2090		
9213243001	**MW-4**	EPA 350.1	WETA/2091		
9213243002	**MW-3**	EPA 350.1	WETA/2091		
9213243003	**MW-2**	EPA 350.1	WETA/2091		
9213243004	**MW-1**	EPA 350.1	WETA/2091		
9213243001	**MW-4**	SM 5220D	WETA/2092		
9213243002	**MW-3**	SM 5220D	WETA/2092		
9213243003	**MW-2**	SM 5220D	WETA/2092		
9213243004	**MW-1**	SM 5220D	WETA/2092		

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1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 893295

Client: PACE ANALYTICAL SERVICES, INC **Lab Contact:** Eric Wied

Project Name: SCS

Project Number: 9213243

Lab Sample Number	Field ID	Matrix	Collection Date
893295-001	9213243001 MW-4	WATER	02/07/08 11:10
893295-002	9213243002 MW-3	WATER	02/07/08 11:55
893295-003	9213243003 MW-2	WATER	02/07/08 12:15
893295-004	9213243004 MW-1	WATER	02/07/08 12:40

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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Approval Signature **Date** 02-25-08

Pace Analytical Services, Inc.

Analytical Report Number: 893295

1241 Believue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC
Project Name : SCS
Project Number : 9213243
Field ID : 9213243001 MW-4

Matrix Type : WATER
Collection Date : 02/07/08
Report Date : 02/25/08
Lab Sample Number : 893295-001

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Antimony	< 1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Arsenic	1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Beryllium	< 1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Cadmium	< 1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Chromium	< 1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Copper	1.1	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Lead	< 1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Mercury	< 0.20	0.20	1	ug/L		02/15/08 10:12 AM	SW846 7470A	SW846 7470A
						Prep Date/Time: 02/14/08 03:30 PM	Anl By: LMS	
Nickel	2.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Selenium	< 1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Silver	< 0.50	0.50	1	ug/L		02/22/08 02:11 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: DLB	
Thallium	< 1.0	1.0	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Zinc	18	10	1	ug/L		02/15/08 06:24 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	

Pace Analytical Services, Inc.

Analytical Report Number: 893295

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC
Project Name : SCS
Project Number : 9213243
Field ID : 9213243002 MW-3

Matrix Type : WATER
Collection Date : 02/07/08
Report Date : 02/25/08
Lab Sample Number : 893295-002

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Antimony	< 1.0	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Arsenic	2.0	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Beryllium	< 1.0	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Cadmium	< 1.0	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Chromium	4.6	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Copper	4.1	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Lead	15	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Mercury	< 0.20	0.20	1	ug/L		02/15/08 10:13 AM	SW846 7470A	SW846 7470A
						Prep Date/Time: 02/14/08 03:30 PM	Anl By: LMS	
Nickel	7.3	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Selenium	< 1.0	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Silver	< 0.50	0.50	1	ug/L		02/22/08 02:23 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: DLB	
Thallium	< 1.0	1.0	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Zinc	99	10	1	ug/L		02/15/08 06:36 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	

Pace Analytical Services, Inc.

Analytical Report Number: 893295

1241 Bellevue Street
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920-469-2436

Client : PACE ANALYTICAL SERVICES, INC
Project Name : SCS
Project Number : 9213243
Field ID : 9213243003 MW-2

Matrix Type : WATER
Collection Date : 02/07/08
Report Date : 02/25/08
Lab Sample Number : 893295-003

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Antimony	< 1.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Arsenic	< 1.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Beryllium	< 1.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Cadmium	< 1.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Chromium	1.9	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Copper	3.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Lead	< 1.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Mercury	< 0.40	0.40	2	ug/L	NC	02/15/08 10:34 AM	SW846 7470A	SW846 7470A
						Prep Date/Time: 02/14/08 03:30 PM	Anl By: LMS	
Nickel	5.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Selenium	1.4	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Silver	< 0.50	0.50	1	ug/L		02/22/08 02:41 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: DLB	
Thallium	< 1.0	1.0	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Zinc	< 10	10	1	ug/L		02/15/08 06:43 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	

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Analytical Report Number: 893295

Client : PACE ANALYTICAL SERVICES, INC
Project Name : SCS
Project Number : 9213243
Field ID : 9213243004 MW-1

Matrix Type : WATER
Collection Date : 02/07/08
Report Date : 02/25/08
Lab Sample Number : 893295-004

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date/Time	Prep Method	Anl Method
Antimony	< 1.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Arsenic	< 1.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Beryllium	< 1.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Cadmium	< 1.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Chromium	1.1	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Copper	2.1	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Lead	< 1.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Mercury	< 0.20	0.20	1	ug/L		02/15/08 10:15 AM	SW846 7470A	SW846 7470A
						Prep Date/Time: 02/14/08 03:30 PM	Anl By: LMS	
Nickel	4.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Selenium	< 1.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Silver	< 0.50	0.50	1	ug/L		02/22/08 02:47 AM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: DLB	
Thallium	< 1.0	1.0	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	
Zinc	17	10	1	ug/L		02/15/08 07:19 PM	SW846 3020A	SW846 6020
						Prep Date/Time: 02/14/08 08:15 AM	Anl By: MSB	

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
893295-003	M-HG-W	9213243003	C - Elevated detection limit due to matrix effect.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

Test Group Name	893295-001	893295-002	893295-003	893295-004
ANTIMONY	B	B	B	B
ARSENIC	B	B	B	B
BERYLLIUM	B	B	B	B
CADMIUM	B	B	B	B
CHROMIUM	B	B	B	B
COPPER	B	B	B	B
LEAD	B	B	B	B
MERCURY	B	B	B	B
NICKEL	B	B	B	B
SELENIUM	B	B	B	B
SILVER	B	B	B	B
THALLIUM	B	B	B	B
ZINC	B	B	B	B

Code	NC Certification
B	503

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 893295
Lab Section: METALS
QC Batch Number: 28807
Prep Method: SW846 3020A
Analytical Method: SW846 6020

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2324-88	MBWMTG2324-88
LCS	LCSWMTG2324-88	LCSWMTG2324-88
MS	893277-001MS	893277-001MS
MSD	893277-001MSD	893277-001MSD

Client Sample ID	Lab Sample ID	MB ID
9213243001 MW-4	893295-001	MB
9213243003 MW-2	893295-003	MB

Client Sample ID	Lab Sample ID	MB ID
9213243002 MW-3	893295-002	MB
9213243004 MW-1	893295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Antimony	< 1	200.0	198.6	99.3		—	—	—		—		75	125	20	893277-001	0.4200	200.0	199.9	99.7		200.0	212.9	106.2		6.3		75	125	20
Arsenic	< 1	200.0	193.8	96.9		—	—	—		—		75	125	20	893277-001	1.150	200.0	189.9	94.4		200.0	201.1	100		5.7		75	125	20
Beryllium	< 1	200.0	186	93.0		—	—	—		—		75	125	20	893277-001	< 0.07	200.0	181.8	90.9		200.0	197	98.5		8.0		75	125	20
Cadmium	< 1	200.0	190.7	95.3		—	—	—		—		75	125	20	893277-001	0.1000	200.0	182.5	91.2		200.0	195.7	97.8		7.0		75	125	20
Chromium	< 1	200.0	190.9	95.4		—	—	—		—		75	125	20	893277-001	1.920	200.0	177.7	87.9		200.0	190.6	94.3		7.0		75	125	20
Copper	< 1	200.0	188.5	94.2		—	—	—		—		75	125	20	893277-001	3.260	200.0	164.7	80.7		200.0	177.3	87.0		7.4		75	125	20
Lead	< 1	200.0	190.1	95.1		—	—	—		—		75	125	20	893277-001	0.2500	200.0	192.1	95.9		200.0	205.9	102.8		6.9		75	125	20
Nickel	< 1	200.0	188.3	94.2		—	—	—		—		75	125	20	893277-001	14.86	200.0	176	80.6		200.0	188.8	87.0		7.0		75	125	20
Selenium	< 1	200.0	193.8	96.9		—	—	—		—		75	125	20	893277-001	1.540	200.0	186.4	92.4		200.0	197.1	97.8		5.6		75	125	20
Silver	< 0.5	100	90.8	90.8		—	—	—		—		75	125	20	893277-001	< 0.11	100	63.2	63.2	N	100	60.4	60.4	N	4.5		75	125	20
Thallium	< 1	200.0	184.5	92.2		—	—	—		—		75	125	20	893277-001	7.000E-2	200.0	189.9	94.9		200.0	204.2	102.1		7.3		75	125	20
Zinc	< 10	200.0	189.7	94.8		—	—	—		—		75	125	20	893277-001	214.4	200.0	390.8	88.2		200.0	410.3	97.9		4.9		75	125	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 2/25/2008
QC Batch Number: 28807

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 893295
Lab Section: METALS
QC Batch Number: 28840
Prep Method: SW846 7470A
Analytical Method: SW846 7470A

QC Type	Client Sample ID	Lab Sample ID
MB	MBWMTG2272-98	MBWMTG2272-98
MB	MBDMTG2272-98	MBDMTG2272-98
LCS	LCSWMTG2272-98	LCSWMTG2272-98
LCS	LCSDMTG2272-98	LCSDMTG2272-98
MS	9213243003 MW-2MS	893295-003MS
MS	893166-001MS	893166-001MS
MSD	9213243003 MW-2MSD	893295-003MSD
MSD	893166-001MSD	893166-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
9213243001 MW-4	893295-001	MB	9213243002 MW-3	893295-002	MB
9213243003 MW-2	893295-003	MB	9213243004 MW-1	893295-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	LCS Recovery %	C	LCSD Spiked Conc	LCSD Recovery Conc	LCSD Recovery %	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	MS Recovery %	C	MSD Spiked Conc	MSD Recovery Conc	MSD Recovery %	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Mercury	< 0.2	5.0	5.6	112.3		—	—	—		—		85	115	20	893295-003	< 0.2	5.0	2.2	43.6	N	5.0	2.2	43.6	N	0.0		85	115	20

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 2/25/2008
QC Batch Number: 28840

Sample Condition Upon Receipt

Pace Analytical

Client Name: SCS ENGINEERS Project # 893295

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used JB Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 26 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C Comments: AM

Date and Initials of person examining contents: GS 2/13/08

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: WW		
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 CL / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
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: _____

Project Manager Review: [signature] **Date:** 02.14.08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Sample Receipt Form

893295

Pace Analytical Services, Inc.
Charlotte

Pace Analytical
www.pacelabs.com

Sample Acknowledgement Recipients:
SCS Engineers
Mr. Michael Cobb
2520 Whitehall Park Drive
Suite 450
Charlotte, NC 28273
Phone: (704)504-3107
Email: mcobb@scsengineers.com

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

Final Report Recipients:
SCS Engineers
Mr. Michael Cobb (Primary)
2520 Whitehall Park Drive
Suite 450
Charlotte, NC 28273
Phone: (704)504-3107
Email: mcobb@scsengineers.com

Relinquished By: FED EX 2/13/08 915
Accepted By: 2/13/08 915

Line Item Descriptions:
[1] Reynolds Mountain

Client P O No:
Phone: 1(704)875-9092
Project Manager: Kevin Herring
Client Project ID: WOODFIM/REYNOLDS MTNS 02207301

Lab Project No: 9213243
Project Deliverables Type: Standard Report
Project Report Due Date: 02/14/08
Profile: 2441

Lab Smp ID: 9213243001 001 **Client Smp ID: MW-4** 1-250mL 0
Proj Smp No: 1 Matrix: Water Smp Type: PS Line Item: 1
Collected Date: 02/07/08 11:10
Received Date: 02/07/08 14:23
Comments: [1] C

PARAMETER	METHOD	UNIT PRICE	WR	SPL	%
8260 WLL - 8260 MSV Low Level	EPA 8260	$130.00			
3501 W - 350.1 Ammonia	EPA 350.1	$20.00			
5220D W - 5220D COD	SM 5220D	$20.00			
4500 CIE W - 4500 Chloride	SM 4500-Cl-E	$10.00			
5310B W - 5310B TOC	SM 5310B	$30.00			
HOLD - HOLD Acode		$0.00			
SI-20MET - Subbed work within PASI MET		$100.00	IR40		
	Sub Total - Sample 75023	$310.00			

Lab Smp ID: 9213243002 002 **Client Smp ID: MW-3** 1-250mL 0
Proj Smp No: 2 Matrix: Water Smp Type: PS Line Item: 1
Collected Date: 02/07/08 11:55
Received Date: 02/07/08 14:23

PARAMETER	METHOD	UNIT PRICE	WR	SPL	%
8260 WLL - 8260 MSV Low Level	EPA 8260	$130.00			
3501 W - 350.1 Ammonia	EPA 350.1	$20.00			
5220D W - 5220D COD	SM 5220D	$20.00			
4500 CIE W - 4500 Chloride	SM 4500-Cl-E	$10.00			
5310B W - 5310B TOC	SM 5310B	$30.00			
HOLD - HOLD Acode		$0.00			
SI-20MET - Subbed work within PASI MET		$100.00	IR40		
	Sub Total - Sample 75024	$310.00			

Lab Smp ID: 9213243003 003 **Client Smp ID: MW-2** 1-250mL 0
Proj Smp No: 3 Matrix: Water Smp Type: PS Line Item: 1
Collected Date: 02/07/08 12:15
Received Date: 02/07/08 14:23

PARAMETER	METHOD	UNIT PRICE	WR	SPL	%
8260 WLL - 8260 MSV Low Level	EPA 8260	$130.00			
3501 W - 350.1 Ammonia	EPA 350.1	$20.00			
5220D W - 5220D COD	SM 5220D	$20.00			
4500 CIE W - 4500 Chloride	SM 4500-Cl-E	$10.00			

Sample Receipt Form

Pace Analytical Services, Inc.
Charlotte

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www.pacelabs.com

Containers

893295

Lab ID	Container ID	Type	Location	Preservative	Utilization
9213243001	9213243001 BP3N1/1	BP3N		NA	HOLD
	9213243001 BP3S1/1	BP3S		NA	3501 W,5220D W
	9213243001 BP3U1/1	BP3U		NA	4500 CIE W
	9213243001 DG9H1/3	DG9H	Charlotte	NA	8260 WLL,SI-20MET
	9213243001 DG9H1/4	DG9H		NA	
	9213243001 DG9H2/3	DG9H	Charlotte	NA	
	9213243001 DG9H3/3	DG9H	Charlotte	NA	
	9213243001 DG9S1/2	DG9S		NA	5310B W
	9213243001 DG9S2/2	DG9S		NA	
9213243002	9213243002 BP3N1/1	BP3N		NA	HOLD
	9213243002 BP3U1/1	BP3U		NA	4500 CIE W
	9213243002 BP4U1/1	BP4U		NA	3501 W,5220D W
	9213243002 DG9H1/4	DG9H	Charlotte	NA	8260 WLL,SI-20MET
	9213243002 DG9H2/4	DG9H	Charlotte	NA	
	9213243002 DG9H3/4	DG9H	Charlotte	NA	
	9213243002 DG9H4/4	DG9H	Charlotte	NA	
	9213243002 DG9S1/2	DG9S		NA	5310B W
	9213243002 DG9S2/2	DG9S		NA	
9213243003	9213243003 BP3N1/1	BP3N		NA	HOLD
	9213243003 BP3U1/1	BP3U		NA	4500 CIE W
	9213243003 BP4U1/1	BP4U		NA	3501 W,5220D W
	9213243003 DG9H1/4	DG9H	Charlotte	NA	8260 WLL,SI-20MET
	9213243003 DG9H2/4	DG9H	Charlotte	NA	
	9213243003 DG9H3/4	DG9H	Charlotte	NA	
	9213243003 DG9H4/4	DG9H	Charlotte	NA	
	9213243003 DG9S1/2	DG9S		NA	5310B W
	9213243003 DG9S2/2	DG9S		NA	
9213243004	9213243004 BP3N1/1	BP3N		NA	HOLD
	9213243004 BP3U1/1	BP3U		NA	4500 CIE W
	9213243004 BP4U1/1	BP4U		NA	3501 W,5220D W
	9213243004 DG9H1/4	DG9H	Charlotte	NA	8260 WLL
	9213243004 DG9H2/4	DG9H	Charlotte	NA	
	9213243004 DG9H3/4	DG9H	Charlotte	NA	
	9213243004 DG9H4/4	DG9H	Charlotte	NA	
	9213243004 DG9S1/2	DG9S		NA	5310B W,SI-20MET
	9213243004 DG9S2/2	DG9S		NA	