Semi-Annual Groundwater Sampling & Analysis Report

Prepared for

Yadkin County New Closed MSWLF and Closed C&D Landfill
Yadkinville, North Carolina

February 2009

Permit Number: 99-02
MESCO Project Number: G09017.0

Completed on August 3, 2009

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC
Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Municipal Engineering Services Co., PA

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Jonathan Pfohl Phone: (919) 772-5393

E-mail: jpfohl@mesco.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Yadkin County New Closed MSWLF and Closed C&D Landfill	Sugartown Rd. (SR 1623) Yadkinville, NC	99-02	.0500	February 25, 2009

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☐ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Jonathan Pfohl — Environmental Specialist — (919) 772-5393

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

Signature — Date 9/3/09

P.O. BOX 97, Garner, NC 27529

Facility Representative Address

C-0281

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

August 3, 2009

Mr. Ervin Lane
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Groundwater Sampling and Analysis
Yadkin County New Closed MSWLF and Closed C&D Landfill
Permit No. 99-02
MESCO Project No. G09017.0

Dear Mr. Lane:

Introduction

The groundwater and surface waters surrounding the Yadkin County New Closed unlined municipal solid waste (MSWLF) and closed C&D Landfill facility located near Yadkinville, NC were sampled and analyzed as part of the semi-annual assessment monitoring program. This facility operated under permit #99-02 and is required to submit semi-annual compliance reports as a condition of 15A NCAC 13B.0600. This sampling event was conducted on February 25, 2009 and performed in accordance with the semi-annual monitoring schedule prescribed by the NC Solid Waste Section rules/regulations.

The monitoring program outlined in the approved Sampling and Analysis Plans (SAP) consist of a total of ten (10) monitoring locations. The sampling locations consist of eight groundwater and two surface water sampling locations. This report includes a summary of field procedures, laboratory analysis, tables and graphs of current/historical data, a single-day potentiometric map, Chain of Custody (C-O-C), and the complete laboratory analytical report.

Sampling Procedure

Municipal Engineering Services Company, P.A. (MESCO) performed this sampling event in accordance with the site-specific approved SAP. This sampling event consisted of collection of water samples from all eight downgradient groundwater monitoring wells (MW-2, MW-3, MW-4, MW-5S, MW-5D, MW-6, MW-7, MW-8), one background well (MW-1), and two surface water points (SW-1 & SW-2). All monitoring locations included in the SAP were sampled during this event. All monitoring locations are shown upon the enclosed facility map.

All sampling was conducted utilizing methodology outlined in the *Solid Waste Section Guidelines for Groundwater, Soil, and Surface Water Sampling* revised April 2008. The depth to water in each well was gaged prior to purging to quantify the static groundwater elevations. In addition to the required field measurements (pH, specific conductance, temperature) additional field parameters (DO and TDS) were also quantified in order to better discern the water quality. All samples were collected by MESCO personnel in laboratory-prepared pre-preserved containers. Low flow pumping methodology or baling was utilized to adequately purge the wells to a minimum of three times the volume of standing water in the well or until dry. The samples were then immediately procured via a new disposable baler.

All samples were properly collected, separated based upon likelihood of potential cross-contamination, kept upon ice, and transported to Pace Analytical Laboratories Inc. (PACE) of Huntersville NC under proper chain of custody (C-O-C) within the specified hold times for each analysis.

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

Field and Laboratory Results

All of the groundwater and surface water samples were analyzed for the complete Appendix I list of volatile organic compounds (VOCs) by method EPA 8260B and total unfiltered metals via method EPA 6010. Quality control measures were also implemented during this event which included submittal and subsequent quantification of blanks for laboratory analysis of VOCs.

The enclosed field data sheet consists of all field parameter data and it appears to be generally consistent relative to each other and congruent with data historically reported. All water samples were analyzed utilizing the Method Detection Limits (MDL) with reference to the Solid Waste Section detection limit (SWSL) values current as of the sampling event. All detected constituents were referenced to the Groundwater Protection Standards (GWP) and compared to the North Carolina Groundwater Standards (NCGW2L) or the North Carolina Surface Water Standards (NCSW2B) for regulatory exceedance. The results are summarized within the enclosed tables titled "Detection Scan".

Low level inorganic constituents (total metals) continue to be detected within all monitoring locations in concentrations above the SWSL with the exception of MW-3, MW-6, and both surface waters (SW-1, SW-2). The only parameter detected in concentrations in exceedance of the regulatory Standard was the metal chromium in the sample taken from upgradient background well MW-1. Every parameter that was detected in a quantifiable concentration was also found within the background well, indicating that the detected constituents are likely not attributed to landfill activities.

A water sample taken from shallow downgradient monitoring well MW-5S was found to contain the premier detection of 1,2-dichloroethane (EDC). This detection was the only VOC found in a concentration in exceedance of the NCGW2L Standard during this sampling event. MW-5S is located south of the closed MSWLF beyond a small perennial stream. MW-5S and it's deeper cluster counterpart MW-5D were installed in 2001 to delineate the extent of VOCs which historically were detected in elevated concentrations in MW-2. EDC has only been detected once site-wide, which was within MW-2 in much lower levels. The small unnamed perennial stream located between MW-2 and MW-5S is believed to serve as the local discharge feature which is expected to effectively isolate the horizontal VOC migration. This stream is monitored downstream of the effected area at the property boundary as SW-2 which has lacked quantifiable VOC concentrations since 2004.

Conclusion

The facility is to continue monitoring and is tentatively scheduled to be sampled again in August 2009. A surface water sample may be obtained from the perennial stream between MW-5S/D and MW-2 to aid in determining if the surface water has been impacted and/or has the potential to migrate beyond. If you have any questions or comments regarding this report, please contact me by phone at (919) 772-5393 or by email at jpfohl@mesco.com.

Sincerely,
MUNICIPAL ENGINEERING SERVICES CO., P.A.

Jonathan Pfohl
Environmental Specialist

Enclosures

cc: Ms. Cheri Cranfill
Yadkin County

Detection Scan All Detections above SWSL, GWP, NCSW2B or NCGW2L
Yadkin County New Closed MSWLF and Closed C&D Landfill

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	NCGW 2L [4]	NCSW 2B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-1	Cobalt	2/25/09	42.2	ug/L	0.6	10			70		
MW-1	Nickel	2/25/09	68	ug/L	1.7	50	100				
MW-1	Beryllium	2/25/09	2.5	ug/L	0.1	1			4		
MW-1	Barium	2/25/09	597	ug/L	0.2	100	2000				
MW-1	**Chromium**	**2/25/09**	**91.3**	**ug/L**	**0.4**	**10**	**50**		**41.3**		**Natural**
MW-1	Lead	2/25/09	10.2	ug/L	4	10	15				
MW-1	Copper	2/25/09	76.4	ug/L	0.3	10	1000				
MW-1	**Vanadium**	**2/25/09**	**157**	**ug/L**	**0.2**	**25**			**3.5**	**153.5**	**Natural**
MW-1	Zinc	2/25/09	84	ug/L	0.4	10	1050				
MW-1	**Antimony**	**2/25/09**	**5.9[j]**	**ug/L**	**2.6**	**6**			**1.4**	**4.5**	**Natural**
MW-2	Cobalt	2/25/09	21.9	ug/L	0.6	10			70		
MW-2	1,4-Dichlorobenzene	2/25/09	1.1	ug/L	0.33	1	1.4				
MW-2	Zinc	2/25/09	54.4	ug/L	0.4	10	1050				
MW-3	**Thallium**	**2/25/09**	**3.1[j]**	**ug/L**	**3**	**5.5**			**0.28**	**2.82**	**Natural**
MW-4	Barium	2/25/09	127	ug/L	0.2	100	2000				
MW-4	Cobalt	2/25/09	22.2	ug/L	0.6	10			70		
MW-4	Zinc	2/25/09	27.3	ug/L	0.4	10	1050				
MW-5S	**1,2-Dichloroethane**	**2/25/09**	**3.4**	**ug/L**	**0.12**	**1**	**0.38**			**3.02**	**Leachate &/or LFG or artifact**
MW-5S	Cadmium	2/25/09	1.4	ug/L	0.5	1	1.75				
MW-5S	Cobalt	2/25/09	10.8	ug/L	0.6	10			70		
MW-7	Zinc	2/25/09	10.1	ug/L	0.4	10	1050				
MW-8	**Vanadium**	**2/25/09**	**4.4[j]**	**ug/L**	**0.2**	**25**			**3.5**	**0.9**	**Natural**
MW-8	Barium	2/25/09	123	ug/L	0.2	100	2000				
MW-8	Zinc	2/25/09	26	ug/L	0.4	10	1050				

[1] Table contains all constituents detected above SWSL, GWP, NCSW2B, or NCGW2L
[2] MDL = Method Detection Limit
[3] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)
[4] NCGW2L = North Carolina 15A NCAC 2L Groundwater Quality Standard (Current as of Sampling Event)
[5] NCSW2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification (Current as of Sampling Event)
[6] GWP = Groundwater Protection Standard (Current as of Sampling Event)
[J] =The reported value is estimated & between the laboratory MDL & the SWSL, adjusted for actual sample preparation data and moisture content.
LFG = Landfill Gas
NE = Not Established
BOLD = Concentration =>GWP, NCGW2L, or NCSW2B Standard (Current as of Sampling Event)

Detection Scan All Detections above MDL
Yadkin County New Closed MSWLF and Closed C&D Landfill

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	NCGW 2L [4]	NCSW2B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-1	**Antimony**	**2/25/09**	**5.9[j]**	**ug/L**	**2.6**	**6**			**1.4**	**4.5**	**Natural**
MW-1	Barium	2/25/09	597	ug/L	0.2	100	2000				
MW-1	Beryllium	2/25/09	2.5	ug/L	0.1	1			4		
MW-1	**Chromium**	**2/25/09**	**91.3**	**ug/L**	**0.4**	**10**	**50**			**41.3**	**Natural**
MW-1	Cobalt	2/25/09	42.2	ug/L	0.6	10			70		
MW-1	Copper	2/25/09	76.4	ug/L	0.3	10	1000				
MW-1	Lead	2/25/09	10.2	ug/L	4	10	15				
MW-1	Nickel	2/25/09	68	ug/L	1.7	50	100				
MW-1	Selenium	2/25/09	6	ug/L	3.8	10	50				
MW-1	Silver	2/25/09	0.15	ug/L	0.1	10	18				
MW-1	Toluene	2/25/09	0.68	ug/L	0.26	1	1000				
MW-1	Trichlorofluoromethane	2/25/09	0.29	ug/L	0.2	1	2100				
MW-1	**Vanadium**	**2/25/09**	**157**	**ug/L**	**0.2**	**25**			**3.5**	**153.5**	**Natural**
MW-1	Zinc	2/25/09	84	ug/L	0.4	10	1050				
MW-2	1,1-Dichloroethane	2/25/09	1.4	ug/L	0.32	5	70				
MW-2	1,4-Dichlorobenzene	2/25/09	1.1	ug/L	0.33	1	1.4				
MW-2	Barium	2/25/09	75.9	ug/L	0.2	100	2000				
MW-2	Chlorobenzene	2/25/09	0.33	ug/L	0.23	3	50				
MW-2	Chromium	2/25/09	0.64	ug/L	0.4	10	50				
MW-2	cis-1,2-Dichloroethene	2/25/09	0.49	ug/L	0.19	5	70				
MW-2	Cobalt	2/25/09	21.9	ug/L	0.6	10			70		
MW-2	Copper	2/25/09	0.97	ug/L	0.3	10	1000				
MW-2	Ethylbenzene	2/25/09	0.52	ug/L	0.3	1	550				
MW-2	Nickel	2/25/09	3.1	ug/L	1.7	50	100				
MW-2	Vanadium	2/25/09	0.23	ug/L	0.2	25			3.5		
MW-2	Xylene (Total)	2/25/09	0.84	ug/L	0.66	5	530				
MW-2	Zinc	2/25/09	54.4	ug/L	0.4	10	1050				
MW-3	Arsenic	2/25/09	2.7	ug/L	2.7	10	50				
MW-3	Barium	2/25/09	44.9	ug/L	0.2	100	2000				
MW-3	Cadmium	2/25/09	0.57	ug/L	0.5	1	1.75				
MW-3	Chromium	2/25/09	2.9	ug/L	0.4	10	50				
MW-3	Cobalt	2/25/09	3.7	ug/L	0.6	10			70		
MW-3	Copper	2/25/09	0.43	ug/L	0.3	10	1000				
MW-3	**Thallium**	**2/25/09**	**3.1[j]**	**ug/L**	**3**	**5.5**			**0.28**	**2.82**	**Natural**
MW-3	Vanadium	2/25/09	0.8	ug/L	0.2	25			3.5		
MW-3	Zinc	2/25/09	8.8	ug/L	0.4	10	1050				
MW-4	1,1-Dichloroethane	2/25/09	2.4	ug/L	0.32	5	70				
MW-4	Barium	2/25/09	127	ug/L	0.2	100	2000				
MW-4	Benzene	2/25/09	0.38	ug/L	0.25	1	1				
MW-4	Beryllium	2/25/09	0.17	ug/L	0.1	1			4		
MW-4	Cadmium	2/25/09	0.53	ug/L	0.5	1	1.75				
MW-4	Chromium	2/25/09	0.72	ug/L	0.4	10	50				
MW-4	Cobalt	2/25/09	22.2	ug/L	0.6	10			70		
MW-4	Copper	2/25/09	1.2	ug/L	0.3	10	1000				
MW-4	Nickel	2/25/09	5.5	ug/L	1.7	50	100				
MW-4	Silver	2/25/09	0.13	ug/L	0.1	10	18				
MW-4	Vanadium	2/25/09	2	ug/L	0.2	25			3.5		
MW-4	Zinc	2/25/09	27.3	ug/L	0.4	10	1050				

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	NCGW 2L [4]	NCSW2 B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-5D	Barium	2/25/09	9.5	ug/L	0.2	100	2000				
MW-5D	Silver	2/25/09	0.21	ug/L	0.1	10	18				
MW-5D	Zinc	2/25/09	8	ug/L	0.4	10	1050				
MW-5S	1,1-Dichloroethane	2/25/09	3.2	ug/L	0.32	5	70				
MW-5S	**1,2-Dichloroethane**	**2/25/09**	**3.4**	**ug/L**	**0.12**	**1**	**0.38**			**3.02**	**Leachate &/or LFG or artifact**
MW-5S	1,4-Dichlorobenzene	2/25/09	0.36	ug/L	0.33	1	1.4				
MW-5S	Barium	2/25/09	61.5	ug/L	0.2	100	2000				
MW-5S	Cadmium	2/25/09	1.4	ug/L	0.5	1	1.75				
MW-5S	Chloroethane	2/25/09	2.2	ug/L	0.54	10	2800				
MW-5S	cis-1,2-Dichloroethene	2/25/09	0.4	ug/L	0.19	5	70				
MW-5S	Cobalt	2/25/09	10.8	ug/L	0.6	10			70		
MW-5S	Nickel	2/25/09	3.6	ug/L	1.7	50	100				
MW-5S	Zinc	2/25/09	6.3	ug/L	0.4	10	1050				
MW-6	Barium	2/25/09	28.6	ug/L	0.2	100	2000				
MW-6	Chromium	2/25/09	0.53	ug/L	0.4	10	50				
MW-6	cis-1,2-Dichloroethene	2/25/09	0.39	ug/L	0.19	5	70				
MW-6	Cobalt	2/25/09	1.2	ug/L	0.6	10			70		
MW-6	Zinc	2/25/09	8	ug/L	0.4	10	1050				
MW-7	Barium	2/25/09	65.8	ug/L	0.2	100	2000				
MW-7	Chromium	2/25/09	2.6	ug/L	0.4	10	50				
MW-7	Cobalt	2/25/09	1.4	ug/L	0.6	10			70		
MW-7	Copper	2/25/09	0.95	ug/L	0.3	10	1000				
MW-7	Vanadium	2/25/09	1.1	ug/L	0.2	25			3.5		
MW-7	Zinc	2/25/09	10.1	ug/L	0.4	10	1050				
MW-8	Barium	2/25/09	123	ug/L	0.2	100	2000				
MW-8	Beryllium	2/25/09	0.65	ug/L	0.1	1			4		
MW-8	Chromium	2/25/09	3.7	ug/L	0.4	10	50				
MW-8	Cobalt	2/25/09	2.5	ug/L	0.6	10			70		
MW-8	Copper	2/25/09	5.1	ug/L	0.3	10	1000				
MW-8	Lead	2/25/09	4.9	ug/L	4	10	15				
MW-8	Nickel	2/25/09	3.1	ug/L	1.7	50	100				
MW-8	**Vanadium**	**2/25/09**	**4.4[j]**	**ug/L**	**0.2**	**25**			**3.5**	**0.9**	**Natural**
MW-8	Zinc	2/25/09	26	ug/L	0.4	10	1050				
SW-1	Barium	2/25/09	25.6	ug/L	0.2	100		200000			
SW-1	Cobalt	2/25/09	4	ug/L	0.6	10		270			
SW-1	Zinc	2/25/09	6.6	ug/L	0.4	10		50			
SW-2	1,4-Dichlorobenzene	2/25/09	0.38	ug/L	0.33	1		100			
SW-2	Barium	2/25/09	49	ug/L	0.2	100		200000			
SW-2	Chlorobenzene	2/26/09	0.3	ug/L	0.23	3		140			
SW-2	Cobalt	2/25/09	2.1	ug/L	0.6	10		270			
SW-2	Zinc	2/25/09	4.4	ug/L	0.4	10		50			

[1] Table contains all constituents detected above MDL

[2] MDL = Method Detection Limit

[3] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)

[4] NCGW2L = North Carolina 15A NCAC 2L Groundwater Quality Standard (Current as of Sampling Event)

[5] NCSW2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification (Current as of Sampling Event)

[6] GWP = Groundwater Protection Standard (Current as of Sampling Event)

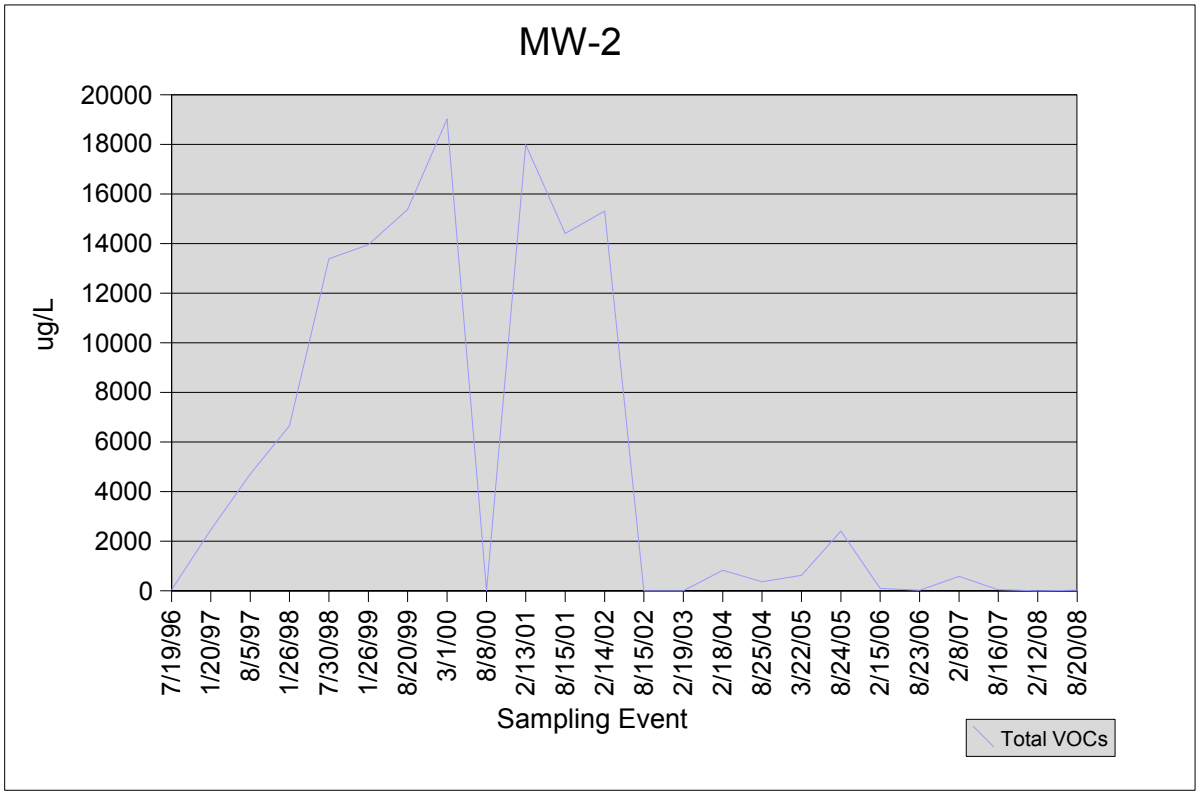
[J] =The reported value is estimated & between the laboratory MDL & the SWSL, adjusted for actual sample preparation data and moisture content.

LFG = Landfill Gas

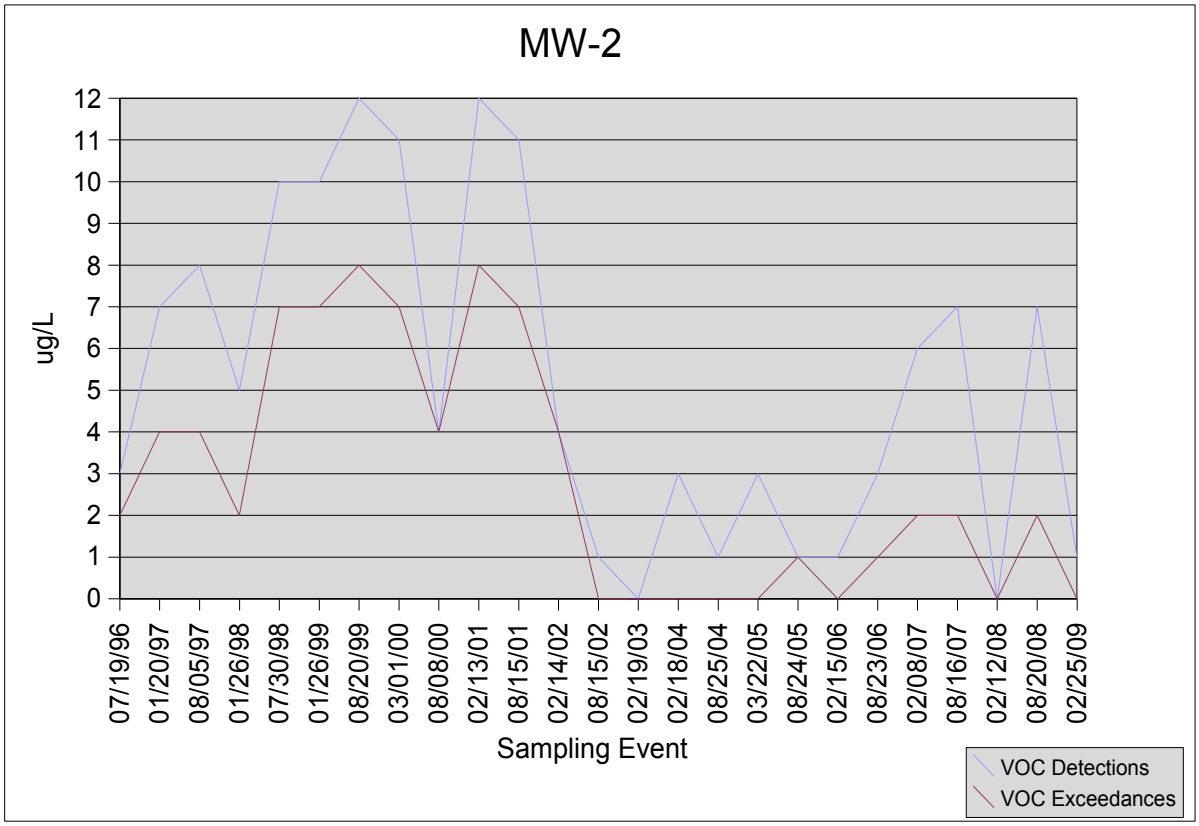
NE = Not Established

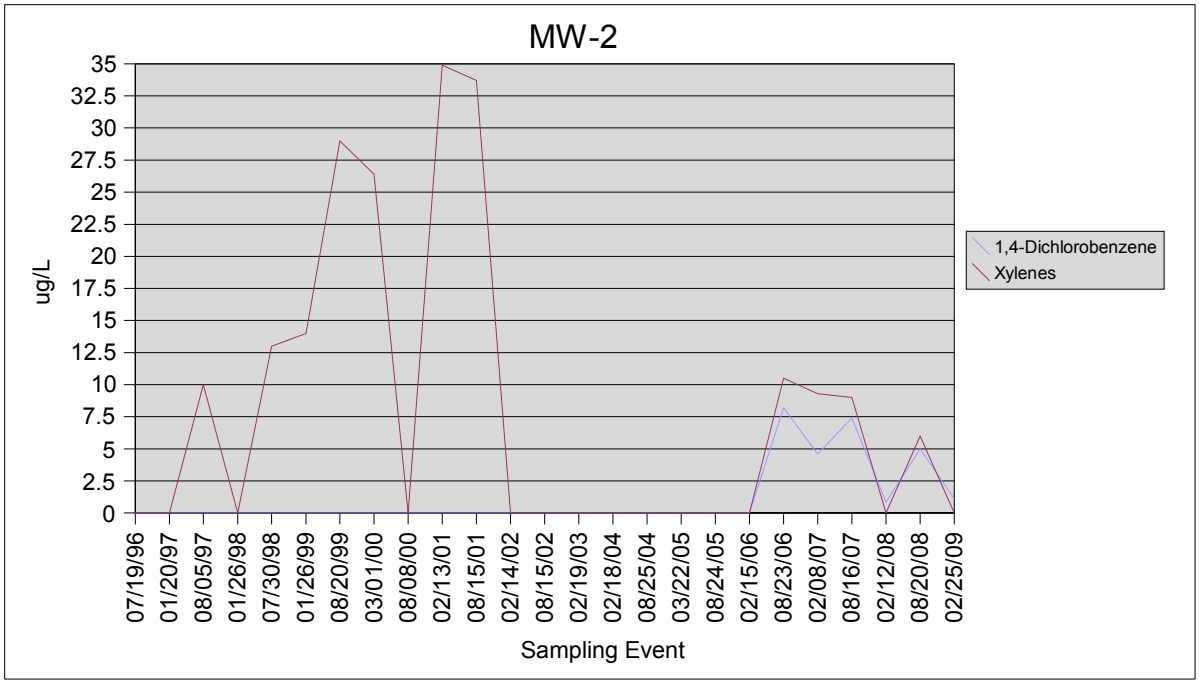
BOLD = Concentration =>GWP, NCGW2L, or NCSW2B Standard (Current as of Sampling Event)

Time Series Plots for All Cumulative VOCs (MW-2)
Yadkin County New Closed MSWLF and Closed C&D Landfill

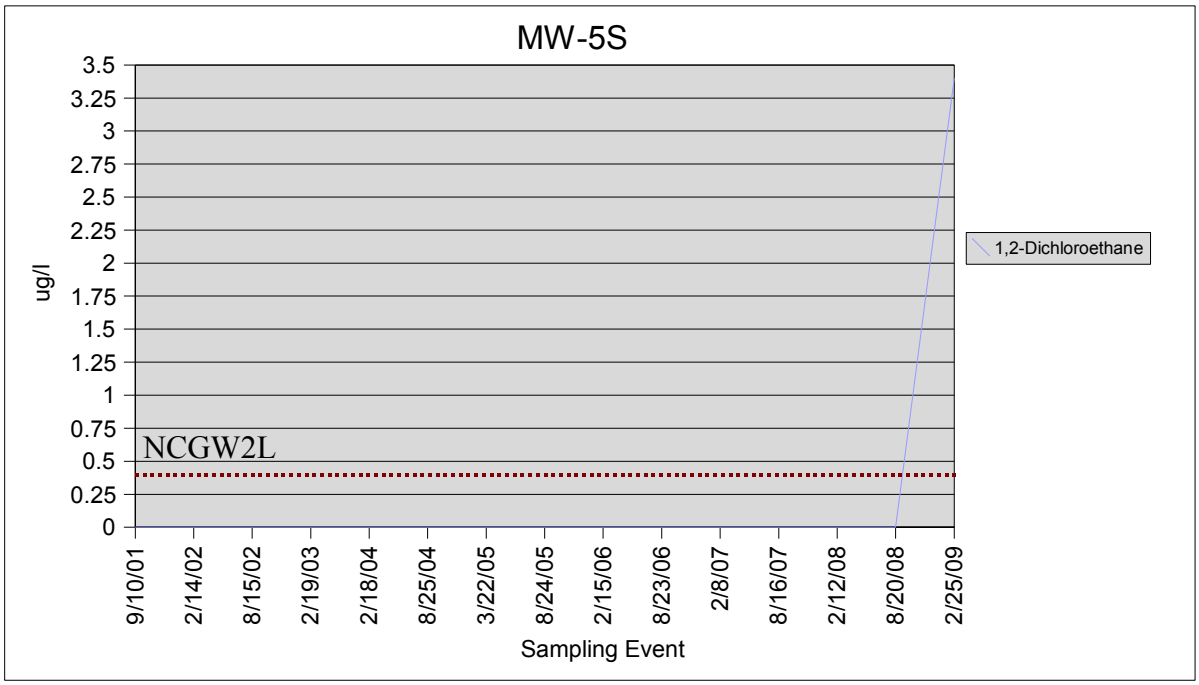


Time Series Plots for Select Constituents (MW-2)
Yadkin County New Closed MSWLF and Closed C&D Landfill





Time Series Plots for Select Constituents
Yadkin County New Closed MSWLF and Closed C&D Landfill



Sampling Data Sheet

Municipal Services Engineering Company — Garner, NC — Boone, NC

Project: Yadkin County New Closed MSWLF & Closed C&D Landfill

Samplers: J. Pfohl

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Lab Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Goes Dry During Purge	Comments	Total Depth	Water Quality Parameters: Cl⁻ (mg/l)	DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity	CH4 (ppm)
MW-1	2/25/09	12:20	35.12	I	4	DB	Y		39.50	NR	3.0	NR	6.7	15.2	10	0	MT	NR
MW-2	2/25/09	5:00	9.99		3	DB	Y		18.		0.2		5.6	17.3	1700	840	ST	
MW-3	2/25/09	3:05	7.65		6	DB	Y		21		0.6		6.2	17.4	200	90	ST	
MW-4	2/25/09	2:35	9.51		4	P&DB	N		20.5		1.3		6.5	13.9	120	60	C	
MW-5S	2/25/09	4:35	5.50		7	P&DB	Y		20		0.2		6.2	16.0	460	220	C	
MW-5D	2/25/09	4:00	12.00		19	P&DB	Y		71		0.2		6.3	16.3	200	90	C	
MW-6	2/25/09	2:05	16.28		X3	P&DB	Y		21		1.9		6.2	15.2	30	10	C	
MW-7	2/25/09	1:35	42.28		3	DB	Y		45		6.0		6.5	18.1	80	40	C	
MW-8	2/25/09	1:00	43.25		2.5	P&DB	Y		45		6.1		6.4	18.2	80	40	ST	
P-1	NS	—		—	—													NR
SW-1	2/25/09	3:20	—	I	—	Dip	—		—	NR							C	NR
SW-2	2/25/09	2:50	—	I	—	Dip	—		—	NR							C	NR
EB	2/25/09	12:00	Pace DI H2O D. Baker															
FB	2/25/09	12:10	Pace DI H2O															

Comments

SS B=Stainless Steel Baler, D B=Disposable Baler, P=Low flow Pump, PD=Purged Dry

VT=Very Turbid, MT=Moderately Turbid, ST=Slightly Turbid, C=Clear

NR=No Reading Attempted, NS=No Sample Obtained

Pace Analytical®
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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1178709

Section A Required Client Information:

Company: Municipal Engineering Services (MESCO)
Address: PO Box 97
Garner NC 27529
Email To: jpfohl@mesco.com
Phone: (919)772-5393 Fax: (919)772-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Yadkin Co. New Closed MSWLF & closal C&DLF
Project Number:

Section C Invoice Information:

Attention: See Section A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

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): Analysis Test Y/N: 8260 VOAs App I N; Metals - Total App I 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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8260 VOAs App I	Metals - Total App I	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	WT	G			2/25/09	12:20		4			1	3					✓	✓	N	001
2	MW-2	↓	↓			↓	5:00		↓			↓	↓					↓	↓	↓	002
3	MW-3						3:05														003
4	MW-4						2:35														004
5	MW-5S						4:35														005
6	MW-5D						4:00														006
7	MW-6						2:05														007
8	MW-7						1:35														008
9	MW-8						1:00														009
10	SW-1						3:20														010
11	SW-2	↓	↓			↓	2:50		↓			↓	↓					↓	↓	↓	011
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	2/27/09	10:40	[signature] Pace	2-27-9	10 40				
	[signature] Pace	2/27/9	1610	[signature]	2/27/09	1610	2.1	Y	N	Y

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 02/26/09

*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.

Pace Analytical

Sample Condition Upon Receipt

Client Name: Municipal Engineering Services Project # 9238952

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

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

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

Thermometer Used T060 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 2.1 Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

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

Date and Initials of person examining contents: 2/27/09

		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.
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): N/A		

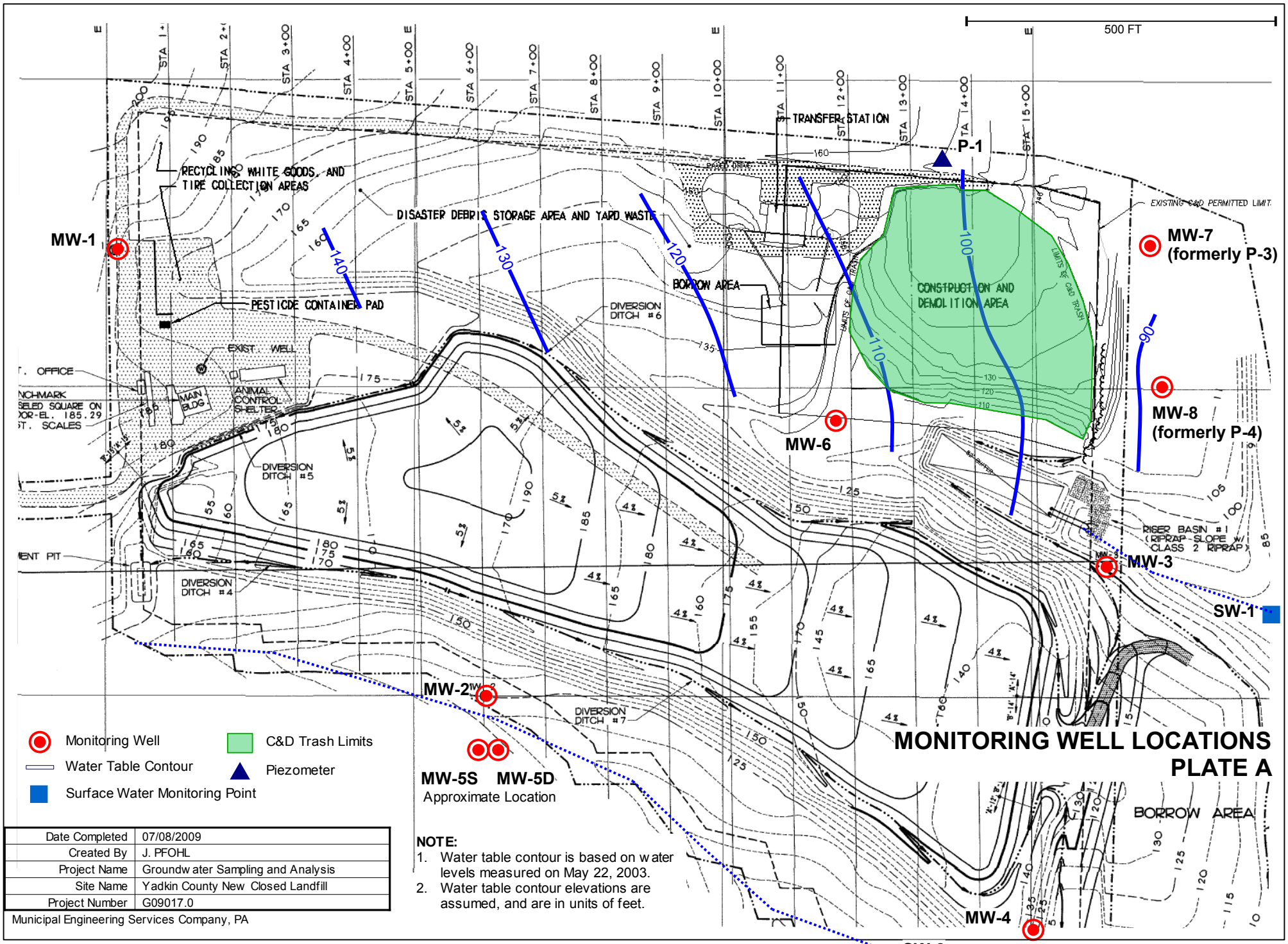
Client Notification/ Resolution: Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: PLS Date: 3/3/09

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)



Date Completed	07/08/2009
Created By	J. PFOHL
Project Name	Groundwater Sampling and Analysis
Site Name	Yadkin County New Closed Landfill
Project Number	G09017.0

Municipal Engineering Services Company, PA

Laboratory Results

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

March 06, 2009

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: Yadkin Co New Closed
Pace Project No.: 9238952

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 27, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Bonnie McKee

Bonnie McKee

bonnie.mckee@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Charlotte Certification IDs

West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
Connecticut Certification #: PH-0104
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
North Carolina Wastewater Certification #: 12

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424
North Carolina Drinking Water Certification #: 37738

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SAMPLE SUMMARY

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9238952001	**MW-1**	Water	02/25/09 12:20	02/27/09 16:10
9238952002	**MW-2**	Water	02/25/09 17:00	02/27/09 16:10
9238952003	**MW-3**	Water	02/25/09 15:05	02/27/09 16:10
9238952004	**MW-4**	Water	02/25/09 12:35	02/27/09 16:10
9238952005	**MW-5S**	Water	02/25/09 16:35	02/27/09 16:10
9238952006	**MW-5D**	Water	02/25/09 16:00	02/27/09 16:10
9238952007	**MW-6**	Water	02/25/09 14:05	02/27/09 16:10
9238952008	**MW-7**	Water	02/25/09 13:35	02/27/09 16:10
9238952009	**MW-8**	Water	02/25/09 13:00	02/27/09 16:10
9238952010	**SW-1**	Water	02/25/09 15:20	02/27/09 16:10
9238952011	**SW-2**	Water	02/25/09 14:50	02/27/09 16:10

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SAMPLE ANALYTE COUNT

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9238952001	**MW-1**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952002	**MW-2**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952003	**MW-3**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952004	**MW-4**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952005	**MW-5S**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952006	**MW-5D**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952007	**MW-6**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952008	**MW-7**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952009	**MW-8**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952010	**SW-1**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C
9238952011	**SW-2**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	54	PASI-C

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-1 **Lab ID: 9238952001** Collected: 02/25/09 12:20 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**5.9J**	ug/L	6.0	2.6	1	03/02/09 09:45	03/03/09 12:25	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 09:45	03/03/09 12:25	7440-38-2	
Barium	**597**	ug/L	100	0.20	1	03/02/09 09:45	03/03/09 12:25	7440-39-3	
Beryllium	**2.5**	ug/L	1.0	0.10	1	03/02/09 09:45	03/03/09 12:25	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 09:45	03/03/09 12:25	7440-43-9	
Chromium	**91.3**	ug/L	10.0	0.40	1	03/02/09 09:45	03/03/09 12:25	7440-47-3	
Cobalt	**42.2**	ug/L	10.0	0.60	1	03/02/09 09:45	03/03/09 12:25	7440-48-4	
Copper	**76.4**	ug/L	10.0	0.30	1	03/02/09 09:45	03/03/09 12:25	7440-50-8	
Lead	**10.2**	ug/L	10.0	4.0	1	03/02/09 09:45	03/03/09 12:25	7439-92-1	
Nickel	**68.0**	ug/L	50.0	1.7	1	03/02/09 09:45	03/03/09 12:25	7440-02-0	
Selenium	**6.0J**	ug/L	10.0	3.8	1	03/02/09 09:45	03/03/09 12:25	7782-49-2	
Silver	**0.15J**	ug/L	10.0	0.10	1	03/02/09 09:45	03/03/09 12:25	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 09:45	03/03/09 12:25	7440-28-0	
Vanadium	**157**	ug/L	25.0	0.20	1	03/02/09 09:45	03/03/09 12:25	7440-62-2	
Zinc	**84.0**	ug/L	10.0	0.40	1	03/02/09 09:45	03/03/09 12:25	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 11:15	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 11:15	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 11:15	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 11:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 11:15	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 11:15	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 11:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 11:15	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 11:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 11:15	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 11:15	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 11:15	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 11:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 11:15	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 11:15	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 11:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 11:15	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 11:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 11:15	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 11:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 11:15	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 11:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 11:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 11:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 11:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 11:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 11:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 11:15	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 11:15	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-1 **Lab ID: 9238952001** Collected: 02/25/09 12:20 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 11:15	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 11:15	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 11:15	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 11:15	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 11:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 11:15	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 11:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 11:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 11:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 11:15	127-18-4	
Toluene	**0.68J**	ug/L	1.0	0.26	1		02/28/09 11:15	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 11:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 11:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 11:15	79-01-6	
Trichlorofluoromethane	**0.29J**	ug/L	1.0	0.20	1		02/28/09 11:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 11:15	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 11:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 11:15	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 11:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 11:15	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 11:15	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		02/28/09 11:15	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		02/28/09 11:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		02/28/09 11:15	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		02/28/09 11:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-2 **Lab ID: 9238952002** Collected: 02/25/09 17:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 09:45	03/03/09 12:28	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 09:45	03/03/09 12:28	7440-38-2	
Barium	**75.9J**	ug/L	100	0.20	1	03/02/09 09:45	03/03/09 12:28	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 09:45	03/03/09 12:28	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 09:45	03/03/09 12:28	7440-43-9	
Chromium	**0.64J**	ug/L	10.0	0.40	1	03/02/09 09:45	03/03/09 12:28	7440-47-3	
Cobalt	**21.9**	ug/L	10.0	0.60	1	03/02/09 09:45	03/03/09 12:28	7440-48-4	
Copper	**0.97J**	ug/L	10.0	0.30	1	03/02/09 09:45	03/03/09 12:28	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 09:45	03/03/09 12:28	7439-92-1	
Nickel	**3.1J**	ug/L	50.0	1.7	1	03/02/09 09:45	03/03/09 12:28	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 09:45	03/03/09 12:28	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 09:45	03/03/09 12:28	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 09:45	03/03/09 12:28	7440-28-0	
Vanadium	**0.23J**	ug/L	25.0	0.20	1	03/02/09 09:45	03/03/09 12:28	7440-62-2	
Zinc	**54.4**	ug/L	10.0	0.40	1	03/02/09 09:45	03/03/09 12:28	7440-66-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 11:32	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 11:32	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 11:32	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 11:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 11:32	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 11:32	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 11:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 11:32	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 11:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 11:32	56-23-5	
Chlorobenzene	**0.33J**	ug/L	3.0	0.23	1		02/28/09 11:32	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 11:32	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 11:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 11:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 11:32	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 11:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 11:32	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 11:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 11:32	95-50-1	
1,4-Dichlorobenzene	**1.1**	ug/L	1.0	0.33	1		02/28/09 11:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 11:32	110-57-6	
1,1-Dichloroethane	**1.4J**	ug/L	5.0	0.32	1		02/28/09 11:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 11:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 11:32	75-35-4	
cis-1,2-Dichloroethene	**0.49J**	ug/L	5.0	0.19	1		02/28/09 11:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 11:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 11:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 11:32	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 11:32	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-2 **Lab ID: 9238952002** Collected: 02/25/09 17:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 11:32	10061-02-6	
Ethylbenzene	**0.52J**	ug/L	1.0	0.30	1		02/28/09 11:32	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 11:32	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 11:32	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 11:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 11:32	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 11:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 11:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 11:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 11:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 11:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 11:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 11:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 11:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 11:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 11:32	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 11:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 11:32	75-01-4	
Xylene (Total)	**0.84J**	ug/L	5.0	0.66	1		02/28/09 11:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 11:32	1330-20-7	
o-Xylene	**0.33J**	ug/L	1.0	0.23	1		02/28/09 11:32	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		1		02/28/09 11:32	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		02/28/09 11:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		02/28/09 11:32	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		02/28/09 11:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-3 **Lab ID: 9238952003** Collected: 02/25/09 15:05 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 21:28	7440-36-0	
Arsenic	**2.7J**	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 21:28	7440-38-2	
Barium	**44.9J**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 21:28	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 21:28	7440-41-7	
Cadmium	**0.57J**	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 21:28	7440-43-9	
Chromium	**2.9J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:28	7440-47-3	
Cobalt	**3.7J**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 21:28	7440-48-4	Z2
Copper	**0.43J**	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 21:28	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 21:28	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 21:28	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 21:28	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 21:28	7440-22-4	
Thallium	**3.1J**	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 21:28	7440-28-0	
Vanadium	**0.80J**	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 21:28	7440-62-2	
Zinc	**8.8J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:28	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 11:48	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 11:48	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 11:48	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 11:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 11:48	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 11:48	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 11:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 11:48	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 11:48	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 11:48	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 11:48	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 11:48	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 11:48	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 11:48	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 11:48	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 11:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 11:48	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 11:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 11:48	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 11:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 11:48	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 11:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 11:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 11:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 11:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 11:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 11:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 11:48	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 11:48	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-3 **Lab ID: 9238952003** Collected: 02/25/09 15:05 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 11:48	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 11:48	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 11:48	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 11:48	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 11:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 11:48	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 11:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 11:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 11:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 11:48	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 11:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 11:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 11:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 11:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 11:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 11:48	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 11:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 11:48	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 11:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 11:48	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 11:48	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		02/28/09 11:48	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		02/28/09 11:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		02/28/09 11:48	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		02/28/09 11:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-4 **Lab ID: 9238952004** Collected: 02/25/09 12:35 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 21:36	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 21:36	7440-38-2	
Barium	**127**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 21:36	7440-39-3	
Beryllium	**0.17J**	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 21:36	7440-41-7	
Cadmium	**0.53J**	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 21:36	7440-43-9	
Chromium	**0.72J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:36	7440-47-3	
Cobalt	**22.2**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 21:36	7440-48-4	Z2
Copper	**1.2J**	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 21:36	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 21:36	7439-92-1	
Nickel	**5.5J**	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 21:36	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 21:36	7782-49-2	
Silver	**0.13J**	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 21:36	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 21:36	7440-28-0	
Vanadium	**2.0J**	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 21:36	7440-62-2	
Zinc	**27.3**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:36	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 12:05	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 12:05	107-13-1	
Benzene	**0.38J**	ug/L	1.0	0.25	1		02/28/09 12:05	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 12:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 12:05	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 12:05	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 12:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 12:05	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 12:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 12:05	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 12:05	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 12:05	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 12:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 12:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 12:05	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 12:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 12:05	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 12:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 12:05	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 12:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 12:05	110-57-6	
1,1-Dichloroethane	**2.4J**	ug/L	5.0	0.32	1		02/28/09 12:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 12:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 12:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 12:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 12:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 12:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 12:05	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 12:05	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-4 **Lab ID: 9238952004** Collected: 02/25/09 12:35 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 12:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 12:05	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 12:05	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 12:05	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 12:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 12:05	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 12:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 12:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 12:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 12:05	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 12:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 12:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 12:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 12:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 12:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 12:05	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 12:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 12:05	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 12:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 12:05	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 12:05	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		02/28/09 12:05	460-00-4	
Dibromofluoromethane (S)	104	%	85-115		1		02/28/09 12:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	79-120		1		02/28/09 12:05	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		02/28/09 12:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-5S **Lab ID: 9238952005** Collected: 02/25/09 16:35 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 21:54	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 21:54	7440-38-2	
Barium	**61.5J**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 21:54	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 21:54	7440-41-7	
Cadmium	**1.4**	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 21:54	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:54	7440-47-3	
Cobalt	**10.8**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 21:54	7440-48-4	Z2
Copper	ND	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 21:54	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 21:54	7439-92-1	
Nickel	**3.6J**	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 21:54	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 21:54	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 21:54	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 21:54	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 21:54	7440-62-2	
Zinc	**6.3J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:54	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 12:21	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 12:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 12:21	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 12:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 12:21	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 12:21	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 12:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 12:21	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 12:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 12:21	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 12:21	108-90-7	
Chloroethane	**2.2J**	ug/L	10.0	0.54	1		02/28/09 12:21	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 12:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 12:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 12:21	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 12:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 12:21	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 12:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 12:21	95-50-1	
1,4-Dichlorobenzene	**0.36J**	ug/L	1.0	0.33	1		02/28/09 12:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 12:21	110-57-6	
1,1-Dichloroethane	**3.2J**	ug/L	5.0	0.32	1		02/28/09 12:21	75-34-3	
1,2-Dichloroethane	**3.4**	ug/L	1.0	0.12	1		02/28/09 12:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 12:21	75-35-4	
cis-1,2-Dichloroethene	**0.40J**	ug/L	5.0	0.19	1		02/28/09 12:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 12:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 12:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 12:21	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 12:21	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-5S **Lab ID: 9238952005** Collected: 02/25/09 16:35 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 12:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 12:21	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 12:21	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 12:21	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 12:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 12:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 12:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 12:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 12:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 12:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 12:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 12:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 12:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 12:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 12:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 12:21	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 12:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 12:21	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 12:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 12:21	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 12:21	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		1		02/28/09 12:21	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		02/28/09 12:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	79-120		1		02/28/09 12:21	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		02/28/09 12:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-5D **Lab ID: 9238952006** Collected: 02/25/09 16:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 21:58	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 21:58	7440-38-2	
Barium	**9.5J**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 21:58	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 21:58	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 21:58	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:58	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 21:58	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 21:58	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 21:58	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 21:58	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 21:58	7782-49-2	
Silver	**0.21J**	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 21:58	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 21:58	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 21:58	7440-62-2	
Zinc	**8.0J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 21:58	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 12:37	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 12:37	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 12:37	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 12:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 12:37	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 12:37	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 12:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 12:37	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 12:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 12:37	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 12:37	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 12:37	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 12:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 12:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 12:37	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 12:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 12:37	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 12:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 12:37	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 12:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 12:37	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 12:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 12:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 12:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 12:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 12:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 12:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 12:37	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 12:37	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-5D **Lab ID: 9238952006** Collected: 02/25/09 16:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 12:37	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 12:37	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 12:37	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 12:37	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 12:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 12:37	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 12:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 12:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 12:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 12:37	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 12:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 12:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 12:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 12:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 12:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 12:37	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 12:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 12:37	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 12:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 12:37	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 12:37	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		02/28/09 12:37	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/09 12:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	79-120		1		02/28/09 12:37	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		02/28/09 12:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-6 **Lab ID: 9238952007** Collected: 02/25/09 14:05 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 22:02	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 22:02	7440-38-2	
Barium	**28.6J**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 22:02	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 22:02	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 22:02	7440-43-9	
Chromium	**0.53J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:02	7440-47-3	
Cobalt	**1.2J**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 22:02	7440-48-4	Z2
Copper	ND	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 22:02	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 22:02	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 22:02	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 22:02	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 22:02	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 22:02	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 22:02	7440-62-2	
Zinc	**8.0J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:02	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 12:54	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 12:54	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 12:54	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 12:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 12:54	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 12:54	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 12:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 12:54	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 12:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 12:54	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 12:54	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 12:54	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 12:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 12:54	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 12:54	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 12:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 12:54	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 12:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 12:54	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 12:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 12:54	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 12:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 12:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 12:54	75-35-4	
cis-1,2-Dichloroethene	**0.39J**	ug/L	5.0	0.19	1		02/28/09 12:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 12:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 12:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 12:54	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 12:54	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-6 **Lab ID: 9238952007** Collected: 02/25/09 14:05 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 12:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 12:54	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 12:54	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 12:54	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 12:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 12:54	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 12:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 12:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 12:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 12:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 12:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 12:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 12:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 12:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 12:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 12:54	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 12:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 12:54	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 12:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 12:54	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 12:54	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		1		02/28/09 12:54	460-00-4	
Dibromofluoromethane (S)	105	%	85-115		1		02/28/09 12:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	79-120		1		02/28/09 12:54	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		02/28/09 12:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-7 **Lab ID: 9238952008** Collected: 02/25/09 13:35 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 22:05	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 22:05	7440-38-2	
Barium	**65.8J**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 22:05	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 22:05	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 22:05	7440-43-9	
Chromium	**2.6J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:05	7440-47-3	
Cobalt	**1.4J**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 22:05	7440-48-4	Z2
Copper	**0.95J**	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 22:05	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 22:05	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 22:05	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 22:05	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 22:05	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 22:05	7440-28-0	
Vanadium	**1.1J**	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 22:05	7440-62-2	
Zinc	**10.1**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:05	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 13:10	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 13:10	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 13:10	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 13:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 13:10	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 13:10	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 13:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 13:10	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 13:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 13:10	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 13:10	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 13:10	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 13:10	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 13:10	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 13:10	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 13:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 13:10	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 13:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 13:10	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 13:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 13:10	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 13:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 13:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 13:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 13:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 13:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 13:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 13:10	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 13:10	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-7 **Lab ID: 9238952008** Collected: 02/25/09 13:35 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 13:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 13:10	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 13:10	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 13:10	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 13:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 13:10	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 13:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 13:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 13:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 13:10	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 13:10	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 13:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 13:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 13:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 13:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 13:10	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 13:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 13:10	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 13:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 13:10	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 13:10	95-47-6	
4-Bromofluorobenzene (S)	104	%	87-109		1		02/28/09 13:10	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		02/28/09 13:10	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	79-120		1		02/28/09 13:10	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		02/28/09 13:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-8 **Lab ID: 9238952009** Collected: 02/25/09 13:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 22:09	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 22:09	7440-38-2	
Barium	**123**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 22:09	7440-39-3	
Beryllium	**0.65J**	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 22:09	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 22:09	7440-43-9	
Chromium	**3.7J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:09	7440-47-3	
Cobalt	**2.5J**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 22:09	7440-48-4	Z2
Copper	**5.1J**	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 22:09	7440-50-8	
Lead	**4.9J**	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 22:09	7439-92-1	
Nickel	**3.1J**	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 22:09	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 22:09	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 22:09	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 22:09	7440-28-0	
Vanadium	**4.4J**	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 22:09	7440-62-2	
Zinc	**26.0**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:09	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 13:27	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 13:27	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 13:27	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 13:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 13:27	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 13:27	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 13:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 13:27	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 13:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 13:27	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 13:27	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 13:27	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 13:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 13:27	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 13:27	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 13:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 13:27	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 13:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 13:27	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 13:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 13:27	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 13:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 13:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 13:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 13:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 13:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 13:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 13:27	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 13:27	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: MW-8 **Lab ID: 9238952009** Collected: 02/25/09 13:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 13:27	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 13:27	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 13:27	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 13:27	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 13:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 13:27	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 13:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 13:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 13:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 13:27	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 13:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 13:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 13:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 13:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 13:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 13:27	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 13:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 13:27	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 13:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 13:27	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 13:27	95-47-6	
4-Bromofluorobenzene (S)	105	%	87-109		1		02/28/09 13:27	460-00-4	
Dibromofluoromethane (S)	105	%	85-115		1		02/28/09 13:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	79-120		1		02/28/09 13:27	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		02/28/09 13:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: SW-1 **Lab ID: 9238952010** Collected: 02/25/09 15:20 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 22:13	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 22:13	7440-38-2	
Barium	**25.6J**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 22:13	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 22:13	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 22:13	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:13	7440-47-3	
Cobalt	**4.0J**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 22:13	7440-48-4	Z2
Copper	ND	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 22:13	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 22:13	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 22:13	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 22:13	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 22:13	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 22:13	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 22:13	7440-62-2	
Zinc	**6.6J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:13	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 13:43	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 13:43	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 13:43	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 13:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 13:43	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 13:43	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 13:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 13:43	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 13:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 13:43	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 13:43	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 13:43	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 13:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 13:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 13:43	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 13:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 13:43	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 13:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 13:43	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 13:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 13:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 13:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 13:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 13:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 13:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 13:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 13:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 13:43	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 13:43	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: SW-1 **Lab ID: 9238952010** Collected: 02/25/09 15:20 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 13:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 13:43	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 13:43	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 13:43	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 13:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 13:43	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 13:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 13:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 13:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 13:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 13:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 13:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 13:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 13:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 13:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 13:43	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 13:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 13:43	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 13:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 13:43	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 13:43	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		1		02/28/09 13:43	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		02/28/09 13:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	79-120		1		02/28/09 13:43	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		02/28/09 13:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: SW-2 **Lab ID: 9238952011** Collected: 02/25/09 14:50 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/02/09 14:15	03/05/09 22:16	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/02/09 14:15	03/05/09 22:16	7440-38-2	
Barium	**49.0J**	ug/L	100	0.20	1	03/02/09 14:15	03/05/09 22:16	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:15	03/05/09 22:16	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 14:15	03/05/09 22:16	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:16	7440-47-3	
Cobalt	**2.1J**	ug/L	10.0	0.60	1	03/02/09 14:15	03/05/09 22:16	7440-48-4	Z2
Copper	ND	ug/L	10.0	0.30	1	03/02/09 14:15	03/05/09 22:16	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/02/09 14:15	03/05/09 22:16	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	03/02/09 14:15	03/05/09 22:16	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:15	03/05/09 22:16	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/02/09 14:15	03/05/09 22:16	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	03/02/09 14:15	03/05/09 22:16	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	03/02/09 14:15	03/05/09 22:16	7440-62-2	
Zinc	**4.4J**	ug/L	10.0	0.40	1	03/02/09 14:15	03/05/09 22:16	7440-66-6	Z2
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 14:00	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 14:00	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 14:00	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 14:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 14:00	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 14:00	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 14:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 14:00	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 14:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 14:00	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 14:00	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 14:00	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 14:00	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 14:00	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 14:00	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 14:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 14:00	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 14:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 14:00	95-50-1	
1,4-Dichlorobenzene	**0.38J**	ug/L	1.0	0.33	1		02/28/09 14:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 14:00	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 14:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 14:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 14:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 14:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 14:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 14:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 14:00	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 14:00	10061-01-5	

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ANALYTICAL RESULTS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

Sample: SW-2 **Lab ID: 9238952011** Collected: 02/25/09 14:50 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 14:00	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 14:00	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 14:00	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 14:00	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 14:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 14:00	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 14:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 14:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 14:00	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 14:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 14:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 14:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 14:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 14:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 14:00	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 14:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 14:00	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 14:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 14:00	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 14:00	95-47-6	
4-Bromofluorobenzene (S)	105	%	87-109		1		02/28/09 14:00	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		02/28/09 14:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	79-120		1		02/28/09 14:00	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		02/28/09 14:00	2037-26-5	

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QUALITY CONTROL DATA

Project: Yadkin Co New Closed
Pace Project No.: 9238952

QC Batch: MSV/6251 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9238952001, 9238952002, 9238952003, 9238952004, 9238952005, 9238952006, 9238952007, 9238952008, 9238952009, 9238952010, 9238952011

METHOD BLANK: 243498 Matrix: Water
Associated Lab Samples: 9238952001, 9238952002, 9238952003, 9238952004, 9238952005, 9238952006, 9238952007, 9238952008, 9238952009, 9238952010, 9238952011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/28/09 10:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/09 10:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/28/09 10:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/09 10:09	
1,1-Dichloroethane	ug/L	ND	5.0	02/28/09 10:09	
1,1-Dichloroethene	ug/L	ND	5.0	02/28/09 10:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/09 10:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/28/09 10:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/09 10:09	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/28/09 10:09	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/09 10:09	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/09 10:09	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/09 10:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/09 10:09	
2-Butanone (MEK)	ug/L	ND	100	02/28/09 10:09	
2-Hexanone	ug/L	ND	50.0	02/28/09 10:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/28/09 10:09	
Acetone	ug/L	ND	100	02/28/09 10:09	
Acrylonitrile	ug/L	ND	200	02/28/09 10:09	
Benzene	ug/L	ND	1.0	02/28/09 10:09	
Bromochloromethane	ug/L	ND	3.0	02/28/09 10:09	
Bromodichloromethane	ug/L	ND	1.0	02/28/09 10:09	
Bromoform	ug/L	ND	3.0	02/28/09 10:09	
Bromomethane	ug/L	ND	10.0	02/28/09 10:09	
Carbon disulfide	ug/L	ND	100	02/28/09 10:09	
Carbon tetrachloride	ug/L	ND	1.0	02/28/09 10:09	
Chlorobenzene	ug/L	ND	3.0	02/28/09 10:09	
Chloroethane	ug/L	ND	10.0	02/28/09 10:09	
Chloroform	ug/L	ND	5.0	02/28/09 10:09	
Chloromethane	ug/L	ND	1.0	02/28/09 10:09	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/28/09 10:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/09 10:09	
Dibromochloromethane	ug/L	ND	3.0	02/28/09 10:09	
Dibromomethane	ug/L	ND	10.0	02/28/09 10:09	
Ethylbenzene	ug/L	ND	1.0	02/28/09 10:09	
Iodomethane	ug/L	ND	10.0	02/28/09 10:09	
m&p-Xylene	ug/L	ND	2.0	02/28/09 10:09	
Methylene Chloride	ug/L	ND	2.0	02/28/09 10:09	
o-Xylene	ug/L	ND	1.0	02/28/09 10:09	
Styrene	ug/L	ND	1.0	02/28/09 10:09	
Tetrachloroethene	ug/L	ND	1.0	02/28/09 10:09	

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QUALITY CONTROL DATA

Project: Yadkin Co New Closed
Pace Project No.: 9238952

METHOD BLANK: 243498 Matrix: Water

Associated Lab Samples: 9238952001, 9238952002, 9238952003, 9238952004, 9238952005, 9238952006, 9238952007, 9238952008, 9238952009, 9238952010, 9238952011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	1.0	02/28/09 10:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/28/09 10:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/09 10:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/28/09 10:09	
Trichloroethene	ug/L	ND	1.0	02/28/09 10:09	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/09 10:09	
Vinyl acetate	ug/L	ND	50.0	02/28/09 10:09	
Vinyl chloride	ug/L	ND	1.0	02/28/09 10:09	
Xylene (Total)	ug/L	ND	5.0	02/28/09 10:09	
1,2-Dichloroethane-d4 (S)	%	107	79-120	02/28/09 10:09	
4-Bromofluorobenzene (S)	%	99	87-109	02/28/09 10:09	
Dibromofluoromethane (S)	%	102	85-115	02/28/09 10:09	
Toluene-d8 (S)	%	99	70-120	02/28/09 10:09	

LABORATORY CONTROL SAMPLE: 243499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.2	108	83-125	
1,1,1-Trichloroethane	ug/L	50	53.4	107	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.3	97	73-127	
1,1,2-Trichloroethane	ug/L	50	49.6	99	77-123	
1,1-Dichloroethane	ug/L	50	50.5	101	76-129	
1,1-Dichloroethene	ug/L	50	49.3	99	78-146	
1,2,3-Trichloropropane	ug/L	50	49.7	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	44.0	88	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	81-125	
1,2-Dichlorobenzene	ug/L	50	50.3	101	82-126	
1,2-Dichloroethane	ug/L	50	50.8	102	72-126	
1,2-Dichloropropane	ug/L	50	48.2	96	80-127	
1,3-Dichloropropane	ug/L	50	49.2	98	79-124	
1,4-Dichlorobenzene	ug/L	50	53.6	107	79-125	
2-Butanone (MEK)	ug/L	100	79.0J	79	50-134	
2-Hexanone	ug/L	100	98.8	99	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.4J	96	70-131	
Acetone	ug/L	100	85.0J	85	50-146	
Acrylonitrile	ug/L	250	211	84	66-124	
Benzene	ug/L	50	46.4	93	78-128	
Bromochloromethane	ug/L	50	47.9	96	73-124	
Bromodichloromethane	ug/L	50	50.9	102	81-125	
Bromoform	ug/L	50	48.5	97	71-125	
Bromomethane	ug/L	50	63.8	128	50-150	
Carbon disulfide	ug/L	50	47.2J	94	54-150	
Carbon tetrachloride	ug/L	50	54.6	109	81-137	
Chlorobenzene	ug/L	50	48.6	97	82-126	

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QUALITY CONTROL DATA

Project: Yadkin Co New Closed
Pace Project No.: 9238952

LABORATORY CONTROL SAMPLE: 243499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	50	48.3	97	69-140	
Chloroform	ug/L	50	48.5	97	77-129	
Chloromethane	ug/L	50	46.7	93	54-139	
cis-1,2-Dichloroethene	ug/L	50	50.4	101	76-133	
cis-1,3-Dichloropropene	ug/L	50	51.3	103	76-127	
Dibromochloromethane	ug/L	50	53.8	108	77-125	
Dibromomethane	ug/L	50	49.6	99	77-125	
Ethylbenzene	ug/L	50	51.3	103	80-127	
Iodomethane	ug/L	100	104	104	65-172	
m&p-Xylene	ug/L	100	100	100	82-127	
Methylene Chloride	ug/L	50	39.1	78	67-133	
o-Xylene	ug/L	50	50.4	101	83-124	
Styrene	ug/L	50	55.5	111	80-130	
Tetrachloroethene	ug/L	50	54.6	109	78-128	
Toluene	ug/L	50	46.5	93	76-126	
trans-1,2-Dichloroethene	ug/L	50	46.8	94	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	52.1J	104	51-140	
Trichloroethene	ug/L	50	50.1	100	79-127	
Trichlorofluoromethane	ug/L	50	54.6	109	76-148	
Vinyl acetate	ug/L	100	89.6	90	50-150	
Vinyl chloride	ug/L	50	49.3	99	67-143	
Xylene (Total)	ug/L	150	151	101	83-125	
1,2-Dichloroethane-d4 (S)	%			101	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243500 243501

Parameter	Units	9238955006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	48.0	48.3	96	97	60-150	.7	30	
Benzene	ug/L	ND	50	50	58.8	58.8	118	118	74-136	.04	30	
Chlorobenzene	ug/L	0.30J	50	50	55.9	55.6	111	111	79-135	.6	30	
Toluene	ug/L	ND	50	50	58.4	57.9	117	116	73-131	.8	30	
Trichloroethene	ug/L	ND	50	50	62.8	61.4	126	123	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						95	93	79-120			
4-Bromofluorobenzene (S)	%						105	106	87-109			
Dibromofluoromethane (S)	%						94	97	85-115			
Toluene-d8 (S)	%						98	99	70-120			

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QUALITY CONTROL DATA

Project: Yadkin Co New Closed
Pace Project No.: 9238952

QC Batch: MPRP/3899
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9238952001, 9238952002

METHOD BLANK: 243509
Matrix: Water
Associated Lab Samples: 9238952001, 9238952002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	03/02/09 19:03	
Arsenic	ug/L	ND	10.0	03/02/09 19:03	
Barium	ug/L	ND	100	03/02/09 19:03	
Beryllium	ug/L	ND	1.0	03/02/09 19:03	
Cadmium	ug/L	ND	1.0	03/02/09 19:03	
Chromium	ug/L	ND	10.0	03/02/09 19:03	
Cobalt	ug/L	ND	10.0	03/02/09 19:03	
Copper	ug/L	ND	10.0	03/02/09 19:03	
Lead	ug/L	ND	10.0	03/02/09 19:03	
Nickel	ug/L	ND	50.0	03/02/09 19:03	
Selenium	ug/L	ND	10.0	03/02/09 19:03	
Silver	ug/L	ND	10.0	03/02/09 19:03	
Thallium	ug/L	ND	5.5	03/02/09 19:03	
Vanadium	ug/L	ND	25.0	03/02/09 19:03	
Zinc	ug/L	ND	10.0	03/02/09 19:03	

LABORATORY CONTROL SAMPLE: 243510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	515	103	80-120	
Arsenic	ug/L	500	502	100	80-120	
Barium	ug/L	500	521	104	80-120	
Beryllium	ug/L	500	522	104	80-120	
Cadmium	ug/L	500	508	102	80-120	
Chromium	ug/L	500	507	101	80-120	
Cobalt	ug/L	500	502	100	80-120	
Copper	ug/L	500	510	102	80-120	
Lead	ug/L	500	515	103	80-120	
Nickel	ug/L	500	501	100	80-120	
Selenium	ug/L	500	506	101	80-120	
Silver	ug/L	250	251	100	80-120	
Thallium	ug/L	500	500	100	80-120	
Vanadium	ug/L	500	502	100	80-120	
Zinc	ug/L	500	506	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243511 243512

Parameter	Units	9238707005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	587	528	117	106	75-125	11	25	

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QUALITY CONTROL DATA

Project: Yadkin Co New Closed
Pace Project No.: 9238952

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243511 243512

Parameter	Units	9238707005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	573	520	115	104	75-125	10	25	
Barium	ug/L	10.3J	500	500	604	539	119	106	75-125	11	25	
Beryllium	ug/L	ND	500	500	593	534	119	107	75-125	10	25	
Cadmium	ug/L	ND	500	500	567	517	113	103	75-125	9	25	
Chromium	ug/L	1.5J	500	500	585	518	117	103	75-125	12	25	
Cobalt	ug/L	3.8J	500	500	573	510	114	101	75-125	12	25	
Copper	ug/L	0.78J	500	500	586	520	117	104	75-125	12	25	
Lead	ug/L	ND	500	500	567	518	113	104	75-125	9	25	
Nickel	ug/L	ND	500	500	569	508	114	101	75-125	11	25	
Selenium	ug/L	ND	500	500	567	521	113	104	75-125	8	25	
Silver	ug/L	ND	250	250	275	256	110	102	75-125	7	25	
Thallium	ug/L	ND	500	500	553	509	110	102	75-125	8	25	
Vanadium	ug/L	0.48J	500	500	576	513	115	103	75-125	12	25	
Zinc	ug/L	5.2J	500	500	580	523	115	104	75-125	10	25	

SAMPLE DUPLICATE: 243513

Parameter	Units	9238707006 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	489	ND		25	
Arsenic	ug/L	484	ND		25	
Barium	ug/L	498	10.4J	192	25	R1
Beryllium	ug/L	505	ND		25	
Cadmium	ug/L	488	ND		25	
Chromium	ug/L	488	0.86J		25	
Cobalt	ug/L	480	ND		25	
Copper	ug/L	490	ND		25	
Lead	ug/L	487	ND		25	
Nickel	ug/L	477	ND		25	
Selenium	ug/L	484	ND		25	
Silver	ug/L	240	0.13J		25	
Thallium	ug/L	473	ND		25	
Vanadium	ug/L	479	ND		25	
Zinc	ug/L	491	ND		25	

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QUALITY CONTROL DATA

Project: Yadkin Co New Closed
Pace Project No.: 9238952

QC Batch: MPRP/3906 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9238952003, 9238952004, 9238952005, 9238952006, 9238952007, 9238952008, 9238952009, 9238952010, 9238952011

METHOD BLANK: 243825 | Matrix: Water
Associated Lab Samples: 9238952003, 9238952004, 9238952005, 9238952006, 9238952007, 9238952008, 9238952009, 9238952010, 9238952011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	03/05/09 21:21	
Arsenic	ug/L	ND	10.0	03/05/09 21:21	
Barium	ug/L	ND	100	03/05/09 21:21	
Beryllium	ug/L	ND	1.0	03/05/09 21:21	
Cadmium	ug/L	ND	1.0	03/05/09 21:21	
Chromium	ug/L	ND	10.0	03/05/09 21:21	
Cobalt	ug/L	2.8J	10.0	03/05/09 21:21	
Copper	ug/L	ND	10.0	03/05/09 21:21	
Lead	ug/L	ND	10.0	03/05/09 21:21	
Nickel	ug/L	ND	50.0	03/05/09 21:21	
Selenium	ug/L	ND	10.0	03/05/09 21:21	
Silver	ug/L	ND	10.0	03/05/09 21:21	
Thallium	ug/L	ND	5.5	03/05/09 21:21	
Vanadium	ug/L	ND	25.0	03/05/09 21:21	
Zinc	ug/L	4.6J	10.0	03/05/09 21:21	

LABORATORY CONTROL SAMPLE: 243826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	513	103	80-120	
Arsenic	ug/L	500	515	103	80-120	
Barium	ug/L	500	507	101	80-120	
Beryllium	ug/L	500	522	104	80-120	
Cadmium	ug/L	500	534	107	80-120	
Chromium	ug/L	500	515	103	80-120	
Cobalt	ug/L	500	523	105	80-120	
Copper	ug/L	500	493	99	80-120	
Lead	ug/L	500	534	107	80-120	
Nickel	ug/L	500	508	102	80-120	
Selenium	ug/L	500	512	102	80-120	
Silver	ug/L	250	265	106	80-120	
Thallium	ug/L	500	553	111	80-120	
Vanadium	ug/L	500	504	101	80-120	
Zinc	ug/L	500	533	107	80-120	

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QUALITY CONTROL DATA

Project: Yadkin Co New Closed
Pace Project No.: 9238952

MATRIX SPIKE SAMPLE: 243827

Parameter	Units	9238952003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	533	106	75-125	
Arsenic	ug/L	2.7J	500	530	105	75-125	
Barium	ug/L	44.9J	500	574	106	75-125	
Beryllium	ug/L	ND	500	540	108	75-125	
Cadmium	ug/L	0.57J	500	548	109	75-125	
Chromium	ug/L	2.9J	500	535	106	75-125	
Cobalt	ug/L	3.7J	500	540	107	75-125	
Copper	ug/L	0.43J	500	519	104	75-125	
Lead	ug/L	ND	500	545	109	75-125	
Nickel	ug/L	ND	500	524	105	75-125	
Selenium	ug/L	ND	500	536	107	75-125	
Silver	ug/L	ND	250	268	107	75-125	
Thallium	ug/L	3.1J	500	567	113	75-125	
Vanadium	ug/L	0.80J	500	524	105	75-125	
Zinc	ug/L	8.8J	500	557	110	75-125	

SAMPLE DUPLICATE: 243828

Parameter	Units	9238952004 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	127	130	2	25	
Beryllium	ug/L	0.17J	0.14J		25	
Cadmium	ug/L	0.53J	0.60J		25	
Chromium	ug/L	0.72J	0.80J		25	
Cobalt	ug/L	22.2	24.0	8	25	
Copper	ug/L	1.2J	1.1J		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	5.5J	5.1J	7	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	0.13J	ND		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	2.0J	1.9J		25	
Zinc	ug/L	27.3	24.5	11	25	

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QUALIFIERS

Project: Yadkin Co New Closed
Pace Project No.: 9238952

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.

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

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

LABORATORIES

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

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.
Z2	Analyte present in the associated method blank above the detection limit.

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March 03, 2009

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: Yadkin Co Landfills
Pace Project No.: 9238953

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 27, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

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

Sincerely,

Bonnie McKee

Bonnie McKee

bonnie.mckee@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Charlotte Certification IDs

West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
Connecticut Certification #: PH-0104
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
North Carolina Wastewater Certification #: 12

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424
North Carolina Drinking Water Certification #: 37738

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SAMPLE SUMMARY

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9238953001	**EB**	Water	02/25/09 12:00	02/27/09 16:10
9238953002	**FB**	Water	02/25/09 12:10	02/27/09 16:10
9238953003	**TB**	Water	02/25/09 00:00	02/27/09 16:10

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SAMPLE ANALYTE COUNT

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9238953001	**EB**	EPA 8260	MCK	54	PASI-C
9238953002	**FB**	EPA 8260	MCK	54	PASI-C
9238953003	**TB**	EPA 8260	MCK	54	PASI-C

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ANALYTICAL RESULTS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Sample: EB **Lab ID: 9238953001** Collected: 02/25/09 12:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 10:26	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 10:26	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 10:26	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 10:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 10:26	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 10:26	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 10:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 10:26	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 10:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 10:26	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 10:26	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 10:26	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 10:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 10:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 10:26	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 10:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 10:26	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 10:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 10:26	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 10:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 10:26	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 10:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 10:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 10:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 10:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 10:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 10:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 10:26	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 10:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 10:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 10:26	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 10:26	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 10:26	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 10:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 10:26	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 10:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 10:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 10:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 10:26	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 10:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 10:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 10:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 10:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 10:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 10:26	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 10:26	108-05-4	

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ANALYTICAL RESULTS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Sample: EB **Lab ID: 9238953001** Collected: 02/25/09 12:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 10:26	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 10:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 10:26	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 10:26	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109		1		02/28/09 10:26	460-00-4	
Dibromofluoromethane (S)	100	%	85-115		1		02/28/09 10:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		02/28/09 10:26	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		02/28/09 10:26	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Sample: FB **Lab ID: 9238953002** Collected: 02/25/09 12:10 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 10:42	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 10:42	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 10:42	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 10:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 10:42	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 10:42	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 10:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 10:42	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 10:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 10:42	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 10:42	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 10:42	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 10:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 10:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 10:42	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 10:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 10:42	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 10:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 10:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 10:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 10:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 10:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 10:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 10:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 10:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 10:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 10:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 10:42	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 10:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 10:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 10:42	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 10:42	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 10:42	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 10:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 10:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 10:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 10:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 10:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 10:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 10:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 10:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 10:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 10:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 10:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 10:42	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 10:42	108-05-4	

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ANALYTICAL RESULTS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Sample: FB **Lab ID: 9238953002** Collected: 02/25/09 12:10 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 10:42	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 10:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 10:42	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 10:42	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109		1		02/28/09 10:42	460-00-4	
Dibromofluoromethane (S)	100	%	85-115		1		02/28/09 10:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120		1		02/28/09 10:42	17060-07-0	
Toluene-d8 (S)	99	%	70-120		1		02/28/09 10:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Sample: TB **Lab ID: 9238953003** Collected: 02/25/09 00:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/28/09 10:59	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/28/09 10:59	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 10:59	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/28/09 10:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/09 10:59	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/28/09 10:59	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/28/09 10:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/28/09 10:59	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/28/09 10:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/09 10:59	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/28/09 10:59	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/28/09 10:59	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/28/09 10:59	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/09 10:59	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/28/09 10:59	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/28/09 10:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/09 10:59	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/28/09 10:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/28/09 10:59	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/09 10:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/28/09 10:59	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/28/09 10:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/09 10:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/28/09 10:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/28/09 10:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/28/09 10:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/09 10:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/09 10:59	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/09 10:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/09 10:59	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 10:59	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/28/09 10:59	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/28/09 10:59	74-88-4	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/28/09 10:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/28/09 10:59	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/28/09 10:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/28/09 10:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/28/09 10:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/09 10:59	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 10:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/09 10:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/09 10:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/09 10:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/09 10:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/09 10:59	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/28/09 10:59	108-05-4	

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ANALYTICAL RESULTS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

Sample: TB **Lab ID: 9238953003** Collected: 02/25/09 00:00 Received: 02/27/09 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/09 10:59	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/28/09 10:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 10:59	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 10:59	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		02/28/09 10:59	460-00-4	
Dibromofluoromethane (S)	102	%	85-115		1		02/28/09 10:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		02/28/09 10:59	17060-07-0	
Toluene-d8 (S)	98	%	70-120		1		02/28/09 10:59	2037-26-5	

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QUALITY CONTROL DATA

Project: Yadkin Co Landfills
Pace Project No.: 9238953

QC Batch: MSV/6251 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9238953001, 9238953002, 9238953003

METHOD BLANK: 243498 Matrix: Water
Associated Lab Samples: 9238953001, 9238953002, 9238953003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/28/09 10:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/09 10:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/28/09 10:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/09 10:09	
1,1-Dichloroethane	ug/L	ND	5.0	02/28/09 10:09	
1,1-Dichloroethene	ug/L	ND	5.0	02/28/09 10:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/09 10:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/28/09 10:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/09 10:09	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/28/09 10:09	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/09 10:09	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/09 10:09	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/09 10:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/09 10:09	
2-Butanone (MEK)	ug/L	ND	100	02/28/09 10:09	
2-Hexanone	ug/L	ND	50.0	02/28/09 10:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/28/09 10:09	
Acetone	ug/L	ND	100	02/28/09 10:09	
Acrylonitrile	ug/L	ND	200	02/28/09 10:09	
Benzene	ug/L	ND	1.0	02/28/09 10:09	
Bromochloromethane	ug/L	ND	3.0	02/28/09 10:09	
Bromodichloromethane	ug/L	ND	1.0	02/28/09 10:09	
Bromoform	ug/L	ND	3.0	02/28/09 10:09	
Bromomethane	ug/L	ND	10.0	02/28/09 10:09	
Carbon disulfide	ug/L	ND	100	02/28/09 10:09	
Carbon tetrachloride	ug/L	ND	1.0	02/28/09 10:09	
Chlorobenzene	ug/L	ND	3.0	02/28/09 10:09	
Chloroethane	ug/L	ND	10.0	02/28/09 10:09	
Chloroform	ug/L	ND	5.0	02/28/09 10:09	
Chloromethane	ug/L	ND	1.0	02/28/09 10:09	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/28/09 10:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/09 10:09	
Dibromochloromethane	ug/L	ND	3.0	02/28/09 10:09	
Dibromomethane	ug/L	ND	10.0	02/28/09 10:09	
Ethylbenzene	ug/L	ND	1.0	02/28/09 10:09	
Iodomethane	ug/L	ND	10.0	02/28/09 10:09	
m&p-Xylene	ug/L	ND	2.0	02/28/09 10:09	
Methylene Chloride	ug/L	ND	2.0	02/28/09 10:09	
o-Xylene	ug/L	ND	1.0	02/28/09 10:09	
Styrene	ug/L	ND	1.0	02/28/09 10:09	
Tetrachloroethene	ug/L	ND	1.0	02/28/09 10:09	
Toluene	ug/L	ND	1.0	02/28/09 10:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/28/09 10:09	

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QUALITY CONTROL DATA

Project: Yadkin Co Landfills
Pace Project No.: 9238953

METHOD BLANK: 243498 Matrix: Water

Associated Lab Samples: 9238953001, 9238953002, 9238953003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/09 10:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/28/09 10:09	
Trichloroethene	ug/L	ND	1.0	02/28/09 10:09	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/09 10:09	
Vinyl acetate	ug/L	ND	50.0	02/28/09 10:09	
Vinyl chloride	ug/L	ND	1.0	02/28/09 10:09	
Xylene (Total)	ug/L	ND	5.0	02/28/09 10:09	
1,2-Dichloroethane-d4 (S)	%	107	79-120	02/28/09 10:09	
4-Bromofluorobenzene (S)	%	99	87-109	02/28/09 10:09	
Dibromofluoromethane (S)	%	102	85-115	02/28/09 10:09	
Toluene-d8 (S)	%	99	70-120	02/28/09 10:09	

LABORATORY CONTROL SAMPLE: 243499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.2	108	83-125	
1,1,1-Trichloroethane	ug/L	50	53.4	107	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.3	97	73-127	
1,1,2-Trichloroethane	ug/L	50	49.6	99	77-123	
1,1-Dichloroethane	ug/L	50	50.5	101	76-129	
1,1-Dichloroethene	ug/L	50	49.3	99	78-146	
1,2,3-Trichloropropane	ug/L	50	49.7	99	72-125	
1,2-Dibromo-3-chloropropane	ug/L	50	44.0	88	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	81-125	
1,2-Dichlorobenzene	ug/L	50	50.3	101	82-126	
1,2-Dichloroethane	ug/L	50	50.8	102	72-126	
1,2-Dichloropropane	ug/L	50	48.2	96	80-127	
1,3-Dichloropropane	ug/L	50	49.2	98	79-124	
1,4-Dichlorobenzene	ug/L	50	53.6	107	79-125	
2-Butanone (MEK)	ug/L	100	79.0J	79	50-134	
2-Hexanone	ug/L	100	98.8	99	58-138	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.4J	96	70-131	
Acetone	ug/L	100	85.0J	85	50-146	
Acrylonitrile	ug/L	250	211	84	66-124	
Benzene	ug/L	50	46.4	93	78-128	
Bromochloromethane	ug/L	50	47.9	96	73-124	
Bromodichloromethane	ug/L	50	50.9	102	81-125	
Bromoform	ug/L	50	48.5	97	71-125	
Bromomethane	ug/L	50	63.8	128	50-150	
Carbon disulfide	ug/L	50	47.2J	94	54-150	
Carbon tetrachloride	ug/L	50	54.6	109	81-137	
Chlorobenzene	ug/L	50	48.6	97	82-126	
Chloroethane	ug/L	50	48.3	97	69-140	
Chloroform	ug/L	50	48.5	97	77-129	
Chloromethane	ug/L	50	46.7	93	54-139	

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QUALITY CONTROL DATA

Project: Yadkin Co Landfills
Pace Project No.: 9238953

LABORATORY CONTROL SAMPLE: 243499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	50.4	101	76-133	
cis-1,3-Dichloropropene	ug/L	50	51.3	103	76-127	
Dibromochloromethane	ug/L	50	53.8	108	77-125	
Dibromomethane	ug/L	50	49.6	99	77-125	
Ethylbenzene	ug/L	50	51.3	103	80-127	
Iodomethane	ug/L	100	104	104	65-172	
m&p-Xylene	ug/L	100	100	100	82-127	
Methylene Chloride	ug/L	50	39.1	78	67-133	
o-Xylene	ug/L	50	50.4	101	83-124	
Styrene	ug/L	50	55.5	111	80-130	
Tetrachloroethene	ug/L	50	54.6	109	78-128	
Toluene	ug/L	50	46.5	93	76-126	
trans-1,2-Dichloroethene	ug/L	50	46.8	94	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	52.1J	104	51-140	
Trichloroethene	ug/L	50	50.1	100	79-127	
Trichlorofluoromethane	ug/L	50	54.6	109	76-148	
Vinyl acetate	ug/L	100	89.6	90	50-150	
Vinyl chloride	ug/L	50	49.3	99	67-143	
Xylene (Total)	ug/L	150	151	101	83-125	
1,2-Dichloroethane-d4 (S)	%			101	79-120	
4-Bromofluorobenzene (S)	%			101	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243500 243501

Parameter	Units	9238955006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	48.0	48.3	96	97	60-150	.7	30	
Benzene	ug/L	ND	50	50	58.8	58.8	118	118	74-136	.04	30	
Chlorobenzene	ug/L	0.30J	50	50	55.9	55.6	111	111	79-135	.6	30	
Toluene	ug/L	ND	50	50	58.4	57.9	117	116	73-131	.8	30	
Trichloroethene	ug/L	ND	50	50	62.8	61.4	126	123	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						95	93	79-120			
4-Bromofluorobenzene (S)	%						105	106	87-109			
Dibromofluoromethane (S)	%						94	97	85-115			
Toluene-d8 (S)	%						98	99	70-120			

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QUALIFIERS

Project: Yadkin Co Landfills
Pace Project No.: 9238953

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.

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

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

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

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