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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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., P.A.

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 27055	99-02	.0500	February 12, 2008

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
Signature	4/23/08 Date	Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

Semi-Annual Groundwater Sampling and Analysis Report

Prepared for

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

February, 2008

Permit Number: 99-02
MESCO Project Number: G08017.0

Completed on April 24, 2008

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

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

April 24, 2008

Ms. Jaclynne Drummond
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. G08017.0

Dear Ms. Drummond:

The groundwater and surface water at the Yadkin County New Closed unlined MSWLF and closed C&D Landfills were sampled for the Appendix I list of parameters by Municipal Engineering Services Company, P.A. (MESCO) on February 12, 2008 in accordance with the approved Sampling & Analysis Plan (SAP). Environmental Conservation Laboratories, Inc. (ENCO) of Cary, NC completed all of the laboratory analysis utilizing the method detection limit (MDL) with reference to the Solid Waste Section Reporting Limit (SWSL) and Groundwater Protection Standard (GWP) values which were current as of the sampling event date. The closed MSWLF is monitored by monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5S, MW-5D) and surface waters (SW-1 and SW-2). The closed C&D area is monitored by (MW-6, MW-7, and MW-8). All of the monitoring locations were sampled during this event. All detected constituents were analyzed for regulatory exceedance with reference to North Carolina Groundwater Standards (NCGW2L). The results are shown in the enclosed tables titled "Detection Scan". The following table summarizes all of the constituents that exceeded the NCGW2L Standard.

Table 1. Exceedance Summary

Well	Chromium	Lead
MW-1 (Background)	x	
MW-2		x

x=concentration greater than NCGW2L Standard

Low levels of metals continue to be detected within a few monitoring wells with MW-2 continuing to contain concentrations of lead above the Standard. Chromium was found above the NCGW2L Standard within the background MW-1. All of the detected metals were found within their respective historical identifiable range and an increasing trend is not evident. The origin of metals is very likely natural in the geochemistry of the native soils and not a product of leachate contamination. VOCs, which are more indicative of contamination, in quantifiable concentrations were completely absent from all monitoring locations for the first time since monitoring was initiated in 1996.

Historically MW-2, located directly adjacent to the southern waste boundary, has consistently contained VOCs in elevated concentrations. However, during this sampling event none were detected in quantifiable concentrations. The only previous time that VOCs were absent from MW-2 was the February 2003 event.

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

MESCO completed the groundwater report including an exceedance scan, field data sheet, chain of custody sheets and laboratory results. A plate depicting all of the monitoring locations is also enclosed.

The facility is scheduled to be sampled again in August 2008 for the Appendix I list of parameters exactly as conducted during this event. If you have any questions or comments regarding this report, please contact me at (919) 772-5393 or 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 and NCGW2L
Yadkin County New Closed MSWLF and Closed C&D Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-1	Barium	02/12/2008	465	ug/L	0.20	100	2000			
MW-1	**Chromium**	**02/12/2008**	**68.7**	**ug/L**	**2.0**	**10**	**50**		**18.7**	**Natural**
MW-1	Cobalt	02/12/2008	19.7	ug/L	2.0	10		70		
MW-1	Copper	02/12/2008	42.5	ug/L	0.60	10	1000			
MW-1	Lead	02/12/2008	10.2	ug/L	2.0	10	15			
MW-1	Nickel	02/12/2008	57.4	ug/L	2.0	50	100			
MW-1	**Thallium**	**02/12/2008**	**0.625**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.345**	**Natural**
MW-1	**Vanadium**	**02/12/2008**	**122**	**ug/L**	**1.0**	**25**		**3.5**	**118.5**	**Natural**
MW-1	Zinc	02/12/2008	76.1	ug/L	1.0	10	1050			
MW-2	Barium	02/12/2008	313	ug/L	0.20	100	2000			
MW-2	**Lead**	**02/12/2008**	**49.2**	**ug/L**	**2.0**	**10**	**15**		**34.2**	**Natural**
MW-2	**Thallium**	**02/12/2008**	**0.283**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.003**	**Natural**
MW-2	**Vanadium**	**02/12/2008**	**10.6**	**ug/L**	**1.0**	**25**		**3.5**	**7.1**	**Natural**
MW-2	Zinc	02/12/2008	210	ug/L	1.0	10	1050			
MW-3	Zinc	02/12/2008	18.1	ug/L	1.0	10	1050			
MW-4	Barium	02/12/2008	139	ug/L	0.20	100	2000			
MW-4	Cobalt	02/12/2008	12.8	ug/L	2.0	10		70		
MW-4	**Thallium**	**02/12/2008**	**0.633**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.353**	**Natural**
MW-4	Zinc	02/12/2008	26.5	ug/L	1.0	10	1050			
MW-5S	Barium	02/12/2008	150	ug/L	0.20	100	2000			
MW-6	Zinc	02/12/2008	12.2	ug/L	1.0	10	1050			
MW-7	Barium	02/12/2008	183	ug/L	0.20	100	2000			
MW-7	Cadmium	02/12/2008	1.1	ug/L	0.50	1	1.75			
MW-7	Chromium	02/12/2008	11.4	ug/L	2.0	10	50			
MW-7	Copper	02/12/2008	13.5	ug/L	0.60	10	1000			
MW-7	Lead	02/12/2008	12.2	ug/L	2.0	10	15			
MW-7	**Thallium**	**02/12/2008**	**0.43**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.15**	**Natural**
MW-7	**Vanadium**	**02/12/2008**	**10.8**	**ug/L**	**1.0**	**25**		**3.5**	**7.3**	**Natural**
MW-7	Zinc	02/12/2008	58.9	ug/L	1.0	10	1050			
MW-8	Barium	02/12/2008	300	ug/L	0.20	100	2000			
MW-8	Beryllium	02/12/2008	1.1	ug/L	0.70	1		2		
MW-8	Chromium	02/12/2008	10.8	ug/L	2.0	10	50			
MW-8	**Thallium**	**02/12/2008**	**0.543**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.263**	**Natural**
MW-8	**Vanadium**	**02/12/2008**	**12.9**	**ug/L**	**1.0**	**25**		**3.5**	**9.4**	**Natural**
MW-8	Zinc	02/12/2008	75.3	ug/L	1.0	10	1050			
EB	Chloroform	02/12/2008	7.8	ug/L	0.16	5	70			
FB	Chloroform	02/12/2008	8.6	ug/L	0.16	5	70			

[1] Table only contains detected constituents detected above the SWSL, GWP, or NCGW2L Standard

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

[3] NCGW2L = North Carolina Ground Water 2L Standard

[4] MDL = Method Detection Limit

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

PREMIER EVENT THAT NO QUANTIFIABLE (>SWSL) VOC DETECTIONS

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

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-1	Acetone	02/12/2008	5.5	ug/L	0.90	100	700			
MW-1	Barium	02/12/2008	465	ug/L	0.20	100	2000			
MW-1	Chlorobenzene	02/12/2008	0.95	ug/L	0.16	3	50			
MW-1	**Chromium**	**02/12/2008**	**68.7**	**ug/L**	**2.0**	**10**	**50**		**18.7**	**Natural**
MW-1	Cobalt	02/12/2008	19.7	ug/L	2.0	10		70		
MW-1	Copper	02/12/2008	42.5	ug/L	0.60	10	1000			
MW-1	Lead	02/12/2008	10.2	ug/L	2.0	10	15			
MW-1	Nickel	02/12/2008	57.4	ug/L	2.0	50	100			
MW-1	Tetrachloroethene	02/12/2008	0.46	ug/L	0.25	1	0.7			
MW-1	**Thallium**	**02/12/2008**	**0.625**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.345**	**Natural**
MW-1	**Vanadium**	**02/12/2008**	**122**	**ug/L**	**1.0**	**25**		**3.5**	**118.5**	**Natural**
MW-1	Zinc	02/12/2008	76.1	ug/L	1.0	10	1050			
MW-2	1,1-Dichloroethane	02/12/2008	0.54	ug/L	0.090	5	70			
MW-2	1,4-Dichlorobenzene	02/12/2008	0.83	ug/L	0.15	1	1.4			
MW-2	Acetone	02/12/2008	41	ug/L	0.90	100	700			
MW-2	Barium	02/12/2008	313	ug/L	0.20	100	2000			
MW-2	Carbon disulfide	02/12/2008	5.5	ug/L	0.12	100	700			
MW-2	Cobalt	02/12/2008	5.3	ug/L	2.0	10		70		
MW-2	**Lead**	**02/12/2008**	**49.2**	**ug/L**	**2.0**	**10**	**15**		**34.2**	**Natural**
MW-2	**Thallium**	**02/12/2008**	**0.283**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.003**	**Natural**
MW-2	**Vanadium**	**02/12/2008**	**10.6**	**ug/L**	**1.0**	**25**		**3.5**	**7.1**	**Natural**
MW-2	Zinc	02/12/2008	210	ug/L	1.0	10	1050			
MW-3	1,1-Dichloroethane	02/12/2008	0.85	ug/L	0.090	5	70			
MW-3	1,4-Dichlorobenzene	02/12/2008	0.52	ug/L	0.15	1	1.4			
MW-3	Barium	02/12/2008	30.8	ug/L	0.20	100	2000			
MW-3	Thallium	02/12/2008	0.039	ug/L	0.036	5.5		0.28		
MW-3	Zinc	02/12/2008	18.1	ug/L	1.0	10	1050			
MW-4	Acetone	02/12/2008	5.6	ug/L	0.90	100	700			
MW-4	Arsenic	02/12/2008	3.6	ug/L	2.0	10	50			
MW-4	Barium	02/12/2008	139	ug/L	0.20	100	2000			
MW-4	Cobalt	02/12/2008	12.8	ug/L	2.0	10		70		
MW-4	Copper	02/12/2008	2.1	ug/L	0.60	10	1000			
MW-4	Nickel	02/12/2008	4.7	ug/L	2.0	50	100			
MW-4	**Thallium**	**02/12/2008**	**0.633**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.353**	**Natural**
MW-4	Zinc	02/12/2008	26.5	ug/L	1.0	10	1050			
MW-5D	2-Butanone	02/12/2008	10	ug/L	0.56	100	4200			
MW-5D	Acetone	02/12/2008	33	ug/L	0.90	100	700			
MW-5D	Barium	02/12/2008	9.8	ug/L	0.20	100	2000			
MW-5D	Carbon disulfide	02/12/2008	0.51	ug/L	0.12	100	700			
MW-5D	Vanadium	02/12/2008	1.1	ug/L	1.0	25		3.5		
MW-5D	Zinc	02/12/2008	2.5	ug/L	1.0	10	1050			
MW-5S	1,1-Dichloroethane	02/12/2008	1.4	ug/L	0.090	5	70			
MW-5S	Barium	02/12/2008	150	ug/L	0.20	100	2000			
MW-5S	Chloroethane	02/12/2008	2.4	ug/L	0.40	10	2800			
MW-5S	Cobalt	02/12/2008	2	ug/L	2.0	10		70		
MW-5S	Nickel	02/12/2008	2.2	ug/L	2.0	50	100			
MW-5S	Thallium	02/12/2008	0.057	ug/L	0.036	5.5		0.28		
MW-5S	Zinc	02/12/2008	5.8	ug/L	1.0	10	1050			
MW-6	Barium	02/12/2008	64.2	ug/L	0.20	100	2000			

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-6	Copper	02/12/2008	2.1	ug/L	0.60	10	1000			
MW-6	Thallium	02/12/2008	0.106	ug/L	0.036	5.5		0.28		
MW-6	Vanadium	02/12/2008	2.6	ug/L	1.0	25		3.5		
MW-6	Zinc	02/12/2008	12.2	ug/L	1.0	10	1050			
MW-7	Antimony	02/12/2008	0.78	ug/L	0.68	6		1.4		
MW-7	Arsenic	02/12/2008	3.9	ug/L	2.0	10	50			
MW-7	Barium	02/12/2008	183	ug/L	0.20	100	2000			
MW-7	Cadmium	02/12/2008	1.1	ug/L	0.50	1	1.75			
MW-7	Chromium	02/12/2008	11.4	ug/L	2.0	10	50			
MW-7	Cobalt	02/12/2008	4.9	ug/L	2.0	10		70		
MW-7	Copper	02/12/2008	13.5	ug/L	0.60	10	1000			
MW-7	Lead	02/12/2008	12.2	ug/L	2.0	10	15			
MW-7	Nickel	02/12/2008	12.2	ug/L	2.0	50	100			
MW-7	**Thallium**	**02/12/2008**	**0.43**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.15**	**Natural**
MW-7	**Vanadium**	**02/12/2008**	**10.8**	**ug/L**	**1.0**	**25**		**3.5**	**7.3**	**Natural**
MW-7	Zinc	02/12/2008	58.9	ug/L	1.0	10	1050			
MW-8	Acetone	02/12/2008	5.6	ug/L	0.90	100	700			
MW-8	Arsenic	02/12/2008	3.1	ug/L	2.0	10	50			
MW-8	Barium	02/12/2008	300	ug/L	0.20	100	2000			
MW-8	Beryllium	02/12/2008	1.1	ug/L	0.70	1		2		
MW-8	Chromium	02/12/2008	10.8	ug/L	2.0	10	50			
MW-8	Cobalt	02/12/2008	7.3	ug/L	2.0	10		70		
MW-8	Copper	02/12/2008	7.6	ug/L	0.60	10	1000			
MW-8	Lead	02/12/2008	9.4	ug/L	2.0	10	15			
MW-8	Nickel	02/12/2008	14.1	ug/L	2.0	50	100			
MW-8	**Thallium**	**02/12/2008**	**0.543**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.263**	**Natural**
MW-8	**Vanadium**	**02/12/2008**	**12.9**	**ug/L**	**1.0**	**25**		**3.5**	**9.4**	**Natural**
MW-8	Zinc	02/12/2008	75.3	ug/L	1.0	10	1050			
SW-1	Acetone	02/12/2008	4.8	ug/L	0.90	100	700			
SW-1	Arsenic	02/12/2008	3.6	ug/L	2.0	10	50			
SW-1	Barium	02/12/2008	32.3	ug/L	0.20	100	2000			
SW-1	Cobalt	02/12/2008	2.4	ug/L	2.0	10		70		
SW-1	Zinc	02/12/2008	1.9	ug/L	1.0	10	1050			
SW-2	Barium	02/12/2008	55.5	ug/L	0.20	100	2000			
SW-2	Cobalt	02/12/2008	2.9	ug/L	2.0	10		70		
EB	Acetone	02/12/2008	14	ug/L	0.90	100	700			
EB	Chloroform	02/12/2008	7.8	ug/L	0.16	5	70			
FB	Acetone	02/12/2008	14	ug/L	0.90	100	700			
FB	Chloroform	02/12/2008	8.6	ug/L	0.16	5	70			

[1] Table contains all constituents detected above MDL

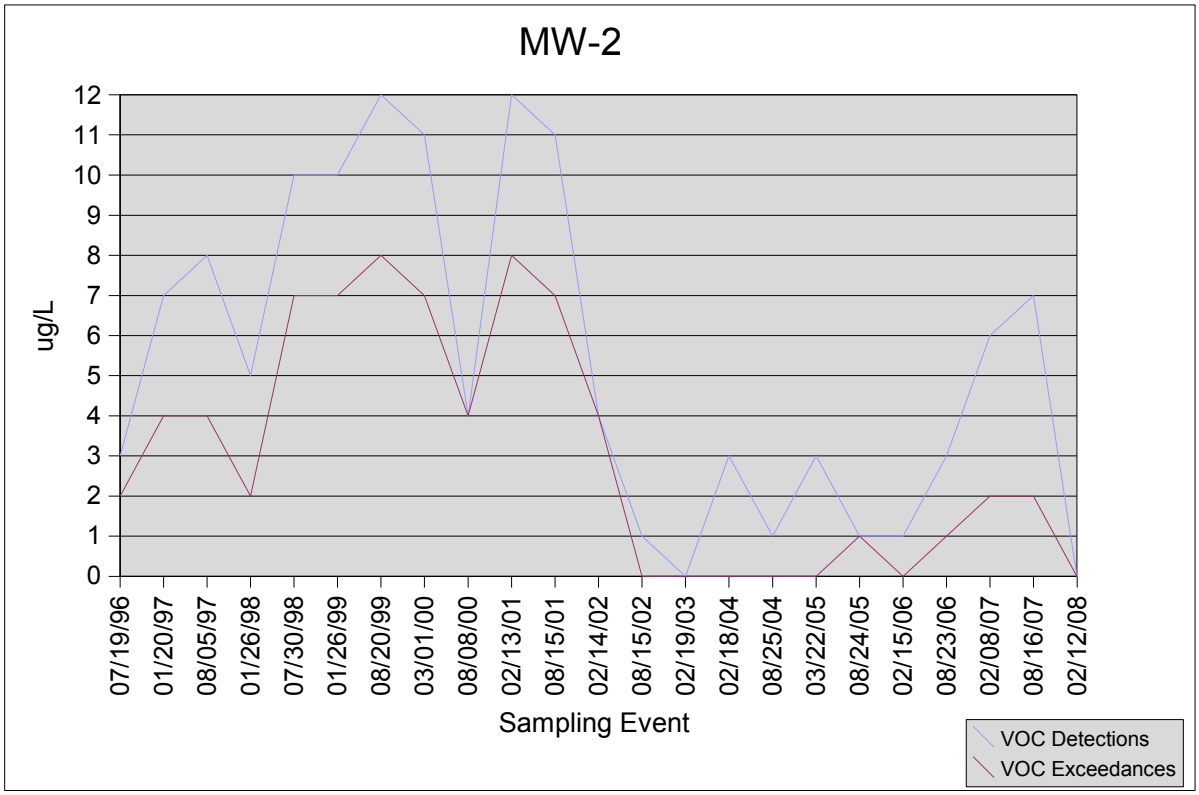
[2] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)

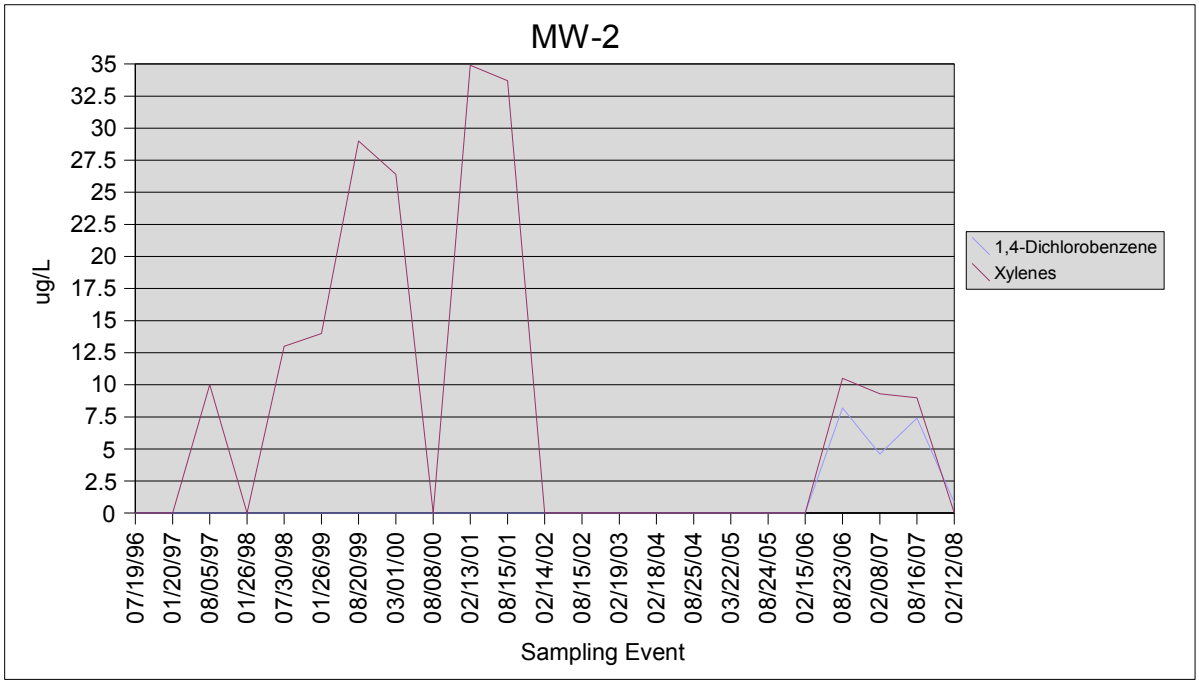
[3] NCGW2L = North Carolina Ground Water 2L Standard

[4] MDL = Method Detection Limit

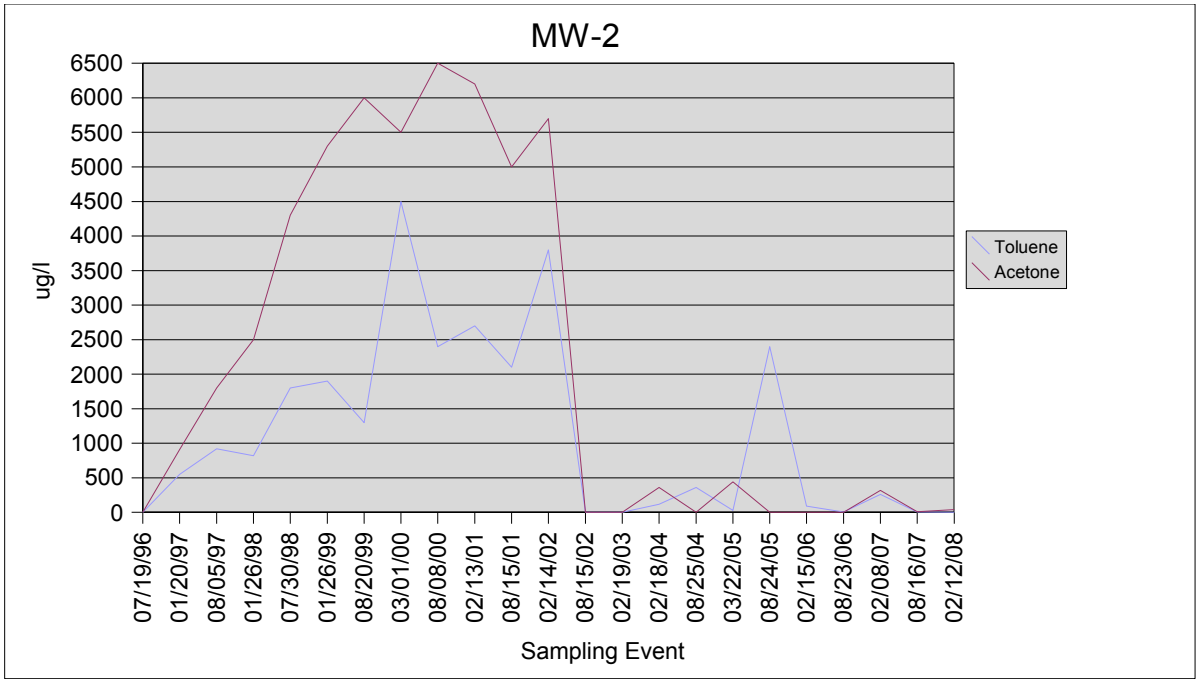
[4] GWP = Groundwater Protection Standard (Current as of Sampling Event)

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

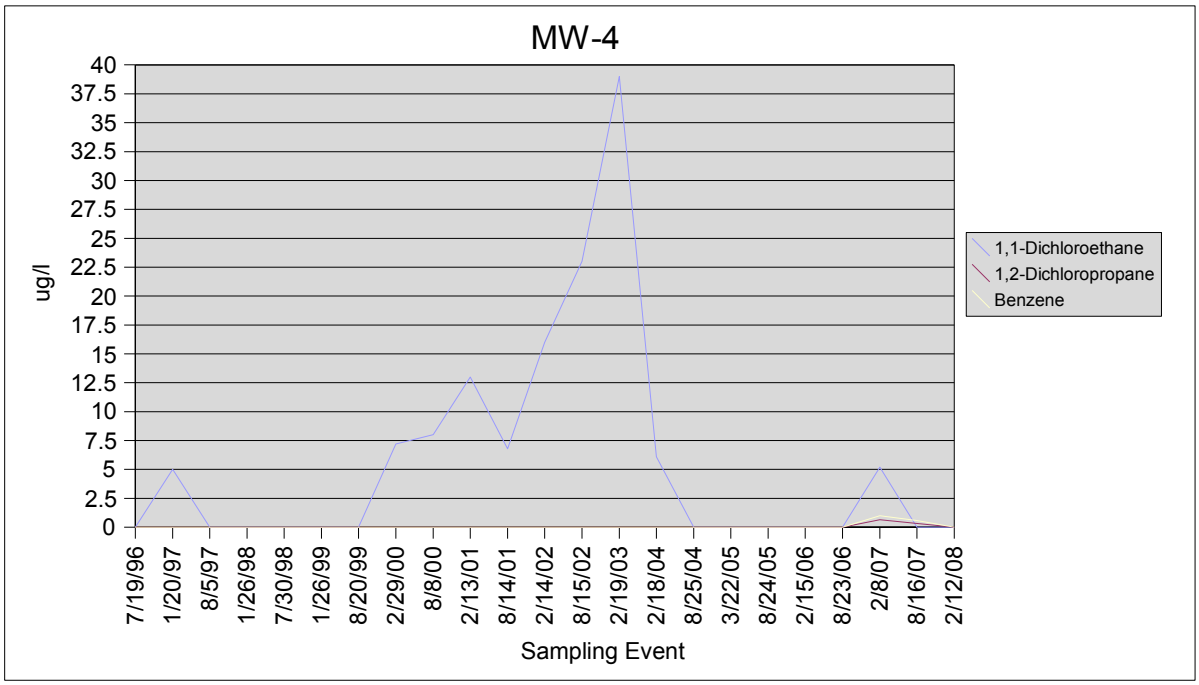


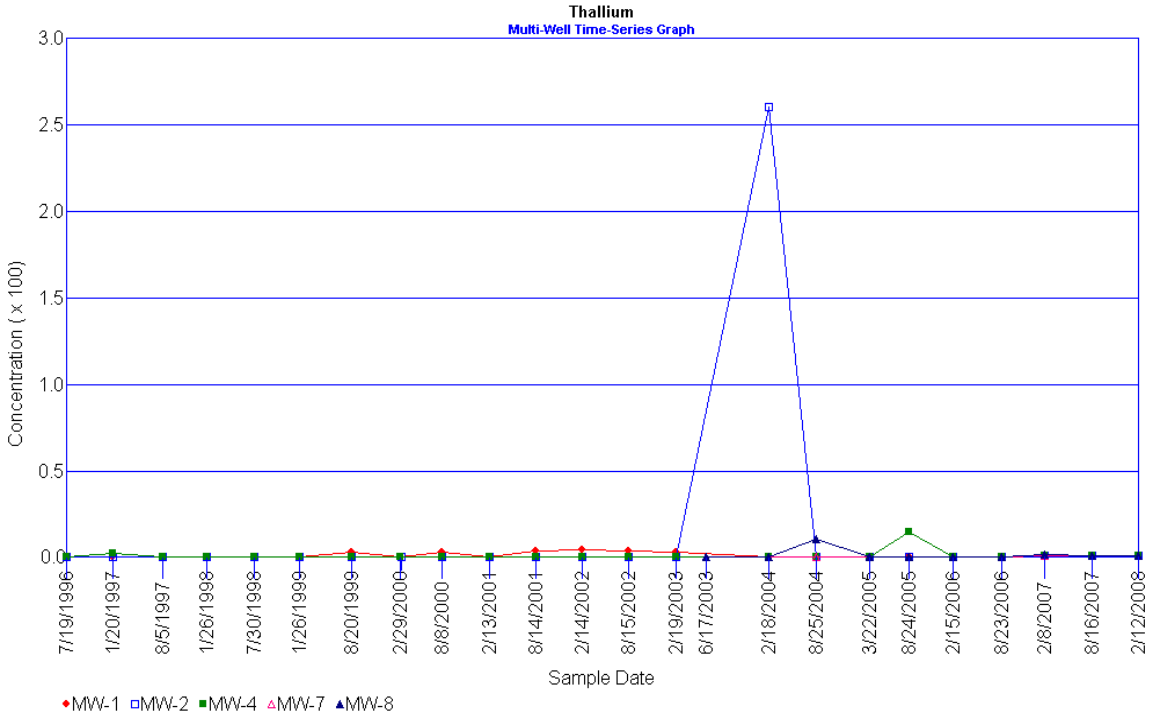


Time Series Plots for Select Constituents (MW-2)
Yadkin County New Closed MSWLF and Closed C&D Landfill

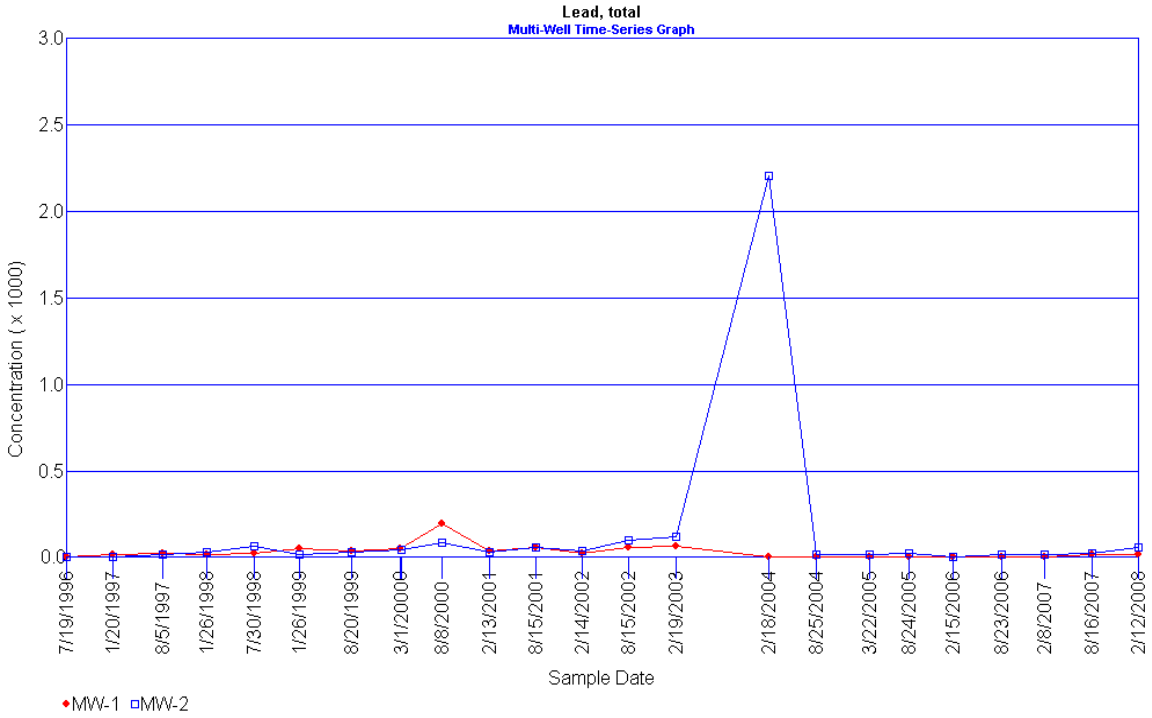


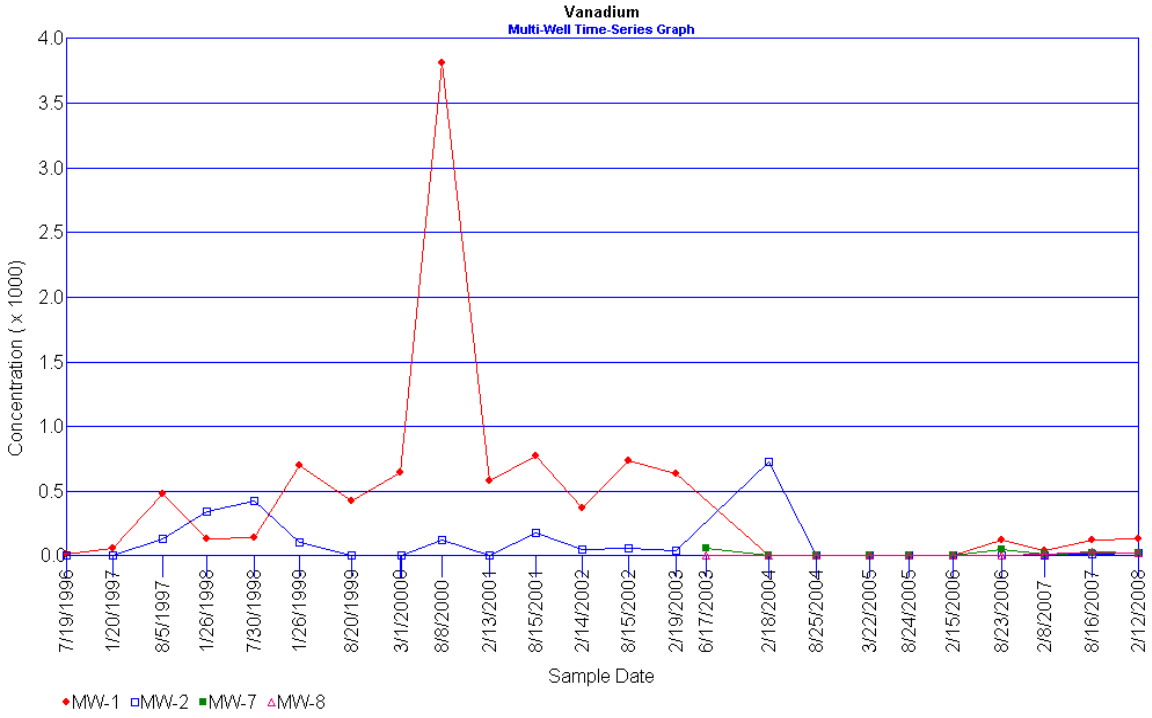
Time Series Plots for Select Constituents
Yadkin County New Closed MSWLF and Closed C&D Landfill

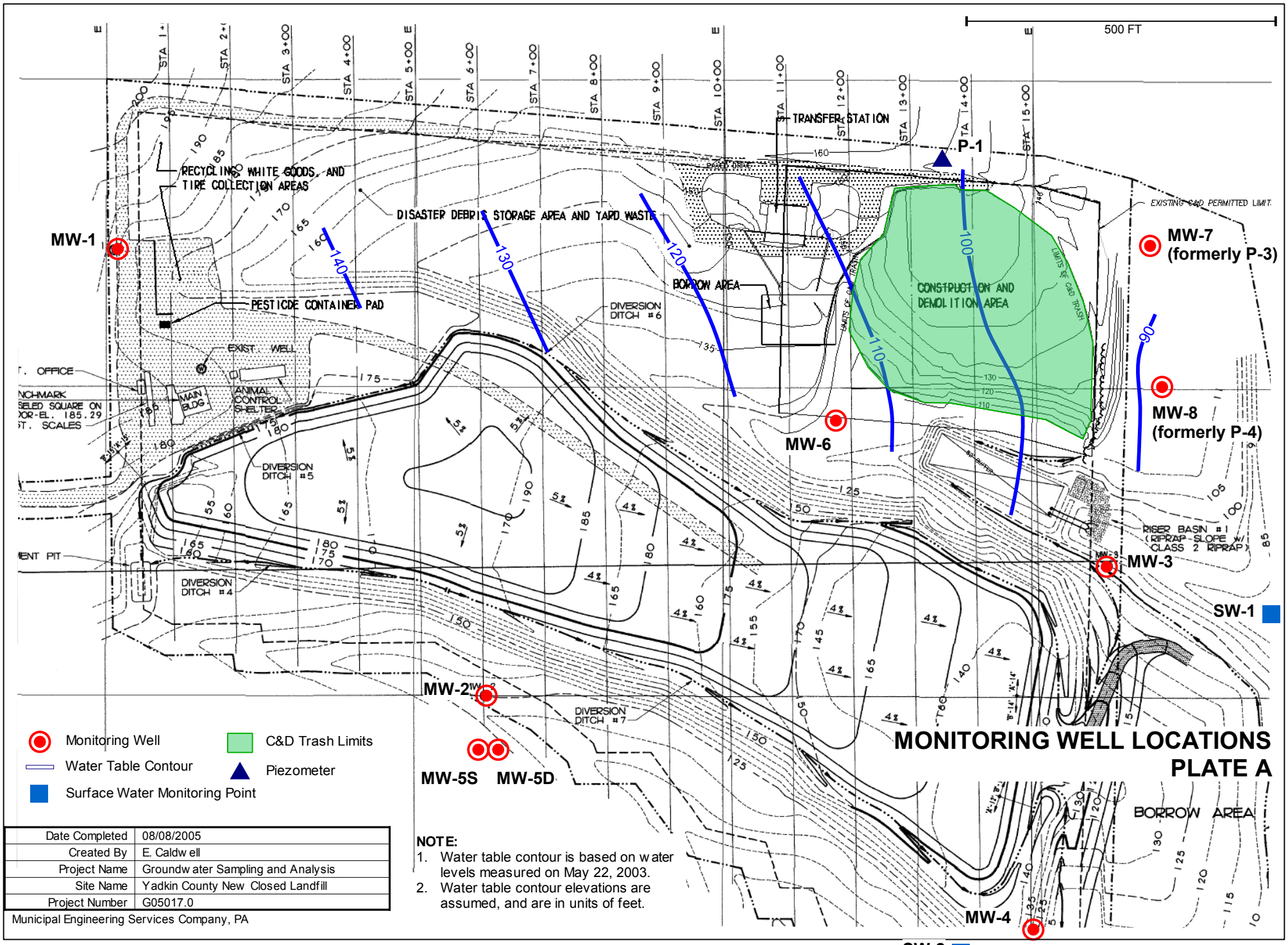




Time Series Plots for Select Constituents
Yadkin County New Closed MSWLF and Closed C&D Landfill







MONITORING WELL LOCATIONS
PLATE A

Date Completed	08/08/2005
Created By	E. Caldwell
Project Name	Groundwater Sampling and Analysis
Site Name	Yadkin County New Closed Landfill
Project Number	G05017.0

Municipal Engineering Services Company, PA

NOTE:
1. Water table contour is based on water levels measured on May 22, 2003.
2. Water table contour elevations are assumed, and are in units of feet.

Sampling Data Sheet

Project: Yadkin Co. New Closed MSWLF & Closed C&D LF

Samplers: J. Pfohl

P1 of 1

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Comments	Water Quality Parameters: pH	Temp.	Specific Cond.	Turbidity	Total Depth (BGS)
MW-4	2/12/08	9:00	9.11	I	PD	P&D Baler			14.3	90	clear	20.5
SW-2		9:20	–	I	—	Dip			9.1	20	clear	–
MW-3		10:10	7.41	I	PD	D Baler	Recharge slow		9.3	30	ST	21
SW-1		10:30	–	I	—	Dip			9.1	10	clear	–
MW-8		11:00	42.40	I	PD	P&D Baler	Recharge slow		14.7	180	ST	45
MW-7		11:35	41.34	I	PD	P&D Baler	Recharge slow		14.3	20	ST	45
MS/MSD MW-6		12:05	15.90	I	4	P&D Baler			14.2	30	clear	21
MW-5S		1:00	5.42	I	PD	P&D Baler			14.4	10	clear	20
MW-5D		1:35	11.72	I	PD	P&D Baler			14.8	10	clear	71
MW-2		2:10	8.65	I	PD	D Baler	Recharge Slow		14.4	20	VT	18.50
MW-1		2:50	33.87	I	PD	P&D Baler		–	14.6	180	ST	39.50
				I								
				I								
				I								
				I								
				I								
				I								

Comments

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

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

pH meter Not operating correctly

Laboratory Results

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Tuesday, February 26, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G08017.0, Project Name/Desc: Yadkin New Closed LF
ENCO Workorder: C800856

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, February 14, 2008.

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

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

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

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

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 45.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-6 MS/MSD **Lab ID:** C800856-01 **Sampled:** 02/12/08 12:05 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 11:15
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 10:58
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 14:01

Client ID: MW-4 **Lab ID:** C800856-02 **Sampled:** 02/12/08 09:00 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 11:40
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:06
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 15:12

Client ID: SW-2 **Lab ID:** C800856-03 **Sampled:** 02/12/08 09:20 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 11:47
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:09
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 15:41

Client ID: MW-3 **Lab ID:** C800856-04 **Sampled:** 02/12/08 10:10 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 11:54
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:12
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 16:11

Client ID: SW-1 **Lab ID:** C800856-05 **Sampled:** 02/12/08 10:30 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 12:01
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:14
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 16:40

Client ID: MW-8 **Lab ID:** C800856-06 **Sampled:** 02/12/08 11:00 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 12:08
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:17
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 17:09

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Client ID:	MW-7	Lab ID:	C800856-07	Sampled:	02/12/08 11:35	Received:	02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 12:45
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:20
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 17:38

Client ID:	MW-5S	Lab ID:	C800856-08	Sampled:	02/12/08 13:00	Received:	02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 12:52
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:29
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 18:08

Client ID:	MW-5D	Lab ID:	C800856-09	Sampled:	02/12/08 13:35	Received:	02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 12:59
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:31
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 18:37

Client ID:	MW-2	Lab ID:	C800856-10	Sampled:	02/12/08 14:10	Received:	02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 13:06
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:34
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 19:06

Client ID:	MW-1	Lab ID:	C800856-11	Sampled:	02/12/08 14:50	Received:	02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/10/08	02/18/08 07:22	2/25/2008 13:13
EPA 6020	08/10/08	02/18/08 07:25	2/20/2008 11:37
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 19:35

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-6 MS/MSD **Lab ID:** C800856-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	64.2	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	2.10	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Thallium	0.106	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	2.6	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	12.2		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-4 **Lab ID:** C800856-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	5.6	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	3.6	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	139		1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	12.8		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	2.10	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Nickel	4.7	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.633	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	26.5		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: SW-2 **Lab ID:** C800856-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	55.5	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	2.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-3 **Lab ID:** C800856-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.85	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.52	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	30.8	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.039	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	18.1		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: SW-1 **Lab ID:** C800856-05

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.8	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	3.6	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	32.3	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Cobalt	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Zinc	1.9	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-8 **Lab ID:** C800856-06

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	5.6	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Arsenic	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	300		1	0.20	10.0	100	ug/L	EPA 6010B	
Beryllium	1.10		1	0.70	1.00	1	ug/L	EPA 6010B	
Chromium	10.8		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	7.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	7.60	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	9.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-8 **Lab ID:** C800856-06

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Nickel	14.1	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.543	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	12.9	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	75.3		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-7 **Lab ID:** C800856-07

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony	0.78	J	1	0.68	2.00	6	ug/L	EPA 6020	
Arsenic	3.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	183		1	0.20	10.0	100	ug/L	EPA 6010B	
Cadmium	1.10		1	0.50	1.00	1	ug/L	EPA 6010B	
Chromium	11.4		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	4.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	13.5		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	12.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	12.2	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.430	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	10.8	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	58.9		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-5S **Lab ID:** C800856-08

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.4	J	1	0.090	1.0	5	ug/L	EPA 8260B	
Barium	150		1	0.20	10.0	100	ug/L	EPA 6010B	
Chloroethane	2.4	J	1	0.40	1.0	10	ug/L	EPA 8260B	
Cobalt	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	2.2	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.057	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	5.8	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-5D **Lab ID:** C800856-09

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
2-Butanone	10	J	1	0.56	5.0	100	ug/L	EPA 8260B	
Acetone	33	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	9.80	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Carbon disulfide	0.51	J	1	0.12	5.0	100	ug/L	EPA 8260B	
Vanadium	1.1	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	2.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-2 **Lab ID:** C800856-10

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.54	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.83	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Acetone	41	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	313		1	0.20	10.0	100	ug/L	EPA 6010B	
Carbon disulfide	5.5	J	1	0.12	5.0	100	ug/L	EPA 8260B	
Cobalt	5.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	49.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.283	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	10.6	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	210		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-1							Lab ID: C800856-11		
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Acetone	5.5	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	465		1	0.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	0.95	J	1	0.16	1.0	3	ug/L	EPA 8260B	
Chromium	68.7		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	19.7		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	42.5		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	10.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	57.4		1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	0.46	J	1	0.25	1.0	1	ug/L	EPA 8260B	
Thallium	0.625	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	122		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	76.1		1	1.0	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: MW-6 MS/MSD
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-01
Sampled: 02/12/08 12:05
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 14:01	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 14:01	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 14:01	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 14:01	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 14:01	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 14:01	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 14:01	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 14:01	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 14:01	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 14:01	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 14:01	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 14:01	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 14:01	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 14:01	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 14:01	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 14:01	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 14:01	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 14:01	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 14:01	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 14:01	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 14:01	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 14:01	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 14:01	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 14:01	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 14:01	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 14:01	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 14:01	jkg	

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Description:	MW-6 MS/MSD	**Lab Sample ID:**	C800856-01	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 12:05	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 14:01	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 14:01	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 14:01	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 14:01	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 14:01*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 14:01*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*83 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 14:01*	*jkg*	

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Description: MW-6 MS/MSD
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-01
Sampled: 02/12/08 12:05
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 10:58	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:15	VLO	
Barium [7440-39-3] ^	**64.2**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 11:15	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 11:15	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 11:15	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:15	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:15	VLO	
Copper [7440-50-8] ^	**2.10**	J	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 11:15	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:15	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 11:15	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:15	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:15	VLO	
Thallium [7440-28-0] ^	**0.106**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 10:58	JDH	
Vanadium [7440-62-2] ^	**2.6**	J	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 11:15	VLO	
Zinc [7440-66-6] ^	**12.2**		ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 11:15	VLO	

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Description: MW-4
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-02
Sampled: 02/12/08 09:00
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 15:12	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 15:12	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 15:12	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 15:12	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 15:12	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 15:12	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 15:12	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 15:12	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 15:12	jkg	
Acetone [67-64-1] ^	**5.6**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 15:12	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 15:12	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 15:12	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 15:12	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 15:12	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 15:12	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 15:12	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 15:12	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 15:12	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 15:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 15:12	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 15:12	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 15:12	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 15:12	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 15:12	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 15:12	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 15:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 15:12	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 15:12	jkg	

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Description:	MW-4	**Lab Sample ID:**	C800856-02	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 09:00	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 15:12	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 15:12	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 15:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 15:12*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 15:12*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 15:12*	*jkg*	

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Description: MW-4
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-02
Sampled: 02/12/08 09:00
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:06	JDH	
Arsenic [7440-38-2] ^	**3.6**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:40	VLO	
Barium [7440-39-3] ^	**139**		ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 11:40	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 11:40	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 11:40	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:40	VLO	
Cobalt [7440-48-4] ^	**12.8**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:40	VLO	
Copper [7440-50-8] ^	**2.10**	J	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 11:40	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:40	VLO	
Nickel [7440-02-0] ^	**4.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 11:40	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:40	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:40	VLO	
Thallium [7440-28-0] ^	**0.633**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:06	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 11:40	VLO	
Zinc [7440-66-6] ^	**26.5**		ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 11:40	VLO	

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

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Description: SW-2
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-03
Sampled: 02/12/08 09:20
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 15:41	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 15:41	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 15:41	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 15:41	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 15:41	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 15:41	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 15:41	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 15:41	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 15:41	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 15:41	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 15:41	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 15:41	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 15:41	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 15:41	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 15:41	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 15:41	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 15:41	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 15:41	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 15:41	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 15:41	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 15:41	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 15:41	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 15:41	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 15:41	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 15:41	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 15:41	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 15:41	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 15:41	jkg	

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Description:	SW-2	**Lab Sample ID:**	C800856-03	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 09:20	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 15:41	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 15:41	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 15:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 15:41*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 15:41*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 15:41*	*jkg*	

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Description: SW-2
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-03
Sampled: 02/12/08 09:20
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:09	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:47	VLO	
Barium [7440-39-3] ^	**55.5**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 11:47	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 11:47	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 11:47	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:47	VLO	
Cobalt [7440-48-4] ^	**2.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:47	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 11:47	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:47	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 11:47	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:47	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:47	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:09	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 11:47	VLO	
Zinc [7440-66-6] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 11:47	VLO	

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

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Description: MW-3
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-04
Sampled: 02/12/08 10:10
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 16:11	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 16:11	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.85**	J	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 16:11	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 16:11	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 16:11	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 16:11	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**0.52**	J	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 16:11	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 16:11	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 16:11	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 16:11	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 16:11	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 16:11	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 16:11	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 16:11	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 16:11	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 16:11	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 16:11	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 16:11	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 16:11	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 16:11	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 16:11	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 16:11	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 16:11	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 16:11	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 16:11	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 16:11	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 16:11	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 16:11	jkg	

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Description:	MW-3	**Lab Sample ID:**	C800856-04	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 10:10	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 16:11	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 16:11	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 16:11	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 16:11*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 16:11*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 16:11*	*jkg*	

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Description: MW-3
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-04
Sampled: 02/12/08 10:10
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:12	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:54	VLO	
Barium [7440-39-3] ^	**30.8**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 11:54	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 11:54	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 11:54	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:54	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:54	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 11:54	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:54	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 11:54	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:54	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 11:54	VLO	
Thallium [7440-28-0] ^	**0.039**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:12	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 11:54	VLO	
Zinc [7440-66-6] ^	**18.1**		ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 11:54	VLO	

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Description: SW-1
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-05
Sampled: 02/12/08 10:30
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 16:40	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 16:40	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 16:40	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 16:40	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 16:40	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 16:40	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 16:40	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 16:40	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 16:40	jkg	
Acetone [67-64-1] ^	**4.8**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 16:40	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 16:40	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 16:40	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 16:40	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 16:40	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 16:40	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 16:40	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 16:40	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 16:40	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 16:40	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 16:40	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 16:40	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 16:40	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 16:40	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 16:40	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 16:40	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 16:40	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 16:40	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 16:40	jkg	

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Description:	SW-1	**Lab Sample ID:**	C800856-05	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 10:30	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 16:40	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 16:40	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 16:40	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 16:40*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*89 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 16:40*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 16:40*	*jkg*	

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Description: SW-1
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-05
Sampled: 02/12/08 10:30
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:14	JDH	
Arsenic [7440-38-2] ^	**3.6**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:01	VLO	
Barium [7440-39-3] ^	**32.3**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 12:01	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 12:01	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 12:01	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:01	VLO	
Cobalt [7440-48-4] ^	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:01	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 12:01	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:01	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 12:01	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:01	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:01	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:14	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 12:01	VLO	
Zinc [7440-66-6] ^	**1.9**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 12:01	VLO	

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

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Description: MW-8
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-06
Sampled: 02/12/08 11:00
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 17:09	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 17:09	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 17:09	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 17:09	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 17:09	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 17:09	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 17:09	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 17:09	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 17:09	jkg	
Acetone [67-64-1] ^	**5.6**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 17:09	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 17:09	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 17:09	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 17:09	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 17:09	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 17:09	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 17:09	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 17:09	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 17:09	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 17:09	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 17:09	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 17:09	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 17:09	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 17:09	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 17:09	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 17:09	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 17:09	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 17:09	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 17:09	jkg	

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Description:	MW-8	**Lab Sample ID:**	C800856-06	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 11:00	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 17:09	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 17:09	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 17:09	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 17:09*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 17:09*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 17:09*	*jkg*	

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Description:	MW-8	**Lab Sample ID:**	C800856-06	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 11:00	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:17	JDH	
Arsenic [7440-38-2] ^	**3.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:08	VLO	
Barium [7440-39-3] ^	**300**		ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 12:08	VLO	
Beryllium [7440-41-7] ^	**1.10**		ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 12:08	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 12:08	VLO	
Chromium [7440-47-3] ^	**10.8**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:08	VLO	
Cobalt [7440-48-4] ^	**7.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:08	VLO	
Copper [7440-50-8] ^	**7.60**	J	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 12:08	VLO	
Lead [7439-92-1] ^	**9.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:08	VLO	
Nickel [7440-02-0] ^	**14.1**	J	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 12:08	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:08	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:08	VLO	
Thallium [7440-28-0] ^	**0.543**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:17	JDH	
Vanadium [7440-62-2] ^	**12.9**	J	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 12:08	VLO	
Zinc [7440-66-6] ^	**75.3**		ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 12:08	VLO	

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

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Description: MW-7
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-07
Sampled: 02/12/08 11:35
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 17:38	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 17:38	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 17:38	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 17:38	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 17:38	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 17:38	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 17:38	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 17:38	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 17:38	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 17:38	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 17:38	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 17:38	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 17:38	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 17:38	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 17:38	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 17:38	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 17:38	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 17:38	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 17:38	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 17:38	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 17:38	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 17:38	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 17:38	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 17:38	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 17:38	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 17:38	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 17:38	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 17:38	jkg	

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Description:	MW-7	**Lab Sample ID:**	C800856-07	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 11:35	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 17:38	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 17:38	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 17:38	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 17:38*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 17:38*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 17:38*	*jkg*	

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Description: MW-7
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-07
Sampled: 02/12/08 11:35
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.78**	J	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:20	JDH	
Arsenic [7440-38-2] ^	**3.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:45	VLO	
Barium [7440-39-3] ^	**183**		ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 12:45	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 12:45	VLO	
Cadmium [7440-43-9] ^	**1.10**		ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 12:45	VLO	
Chromium [7440-47-3] ^	**11.4**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:45	VLO	
Cobalt [7440-48-4] ^	**4.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:45	VLO	
Copper [7440-50-8] ^	**13.5**		ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 12:45	VLO	
Lead [7439-92-1] ^	**12.2**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:45	VLO	
Nickel [7440-02-0] ^	**12.2**	J	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 12:45	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:45	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:45	VLO	
Thallium [7440-28-0] ^	**0.430**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:20	JDH	
Vanadium [7440-62-2] ^	**10.8**	J	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 12:45	VLO	
Zinc [7440-66-6] ^	**58.9**		ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 12:45	VLO	

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Description: MW-5S
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-08
Sampled: 02/12/08 13:00
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 18:08	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 18:08	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
1,1-Dichloroethane [75-34-3] ^	**1.4**	J	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 18:08	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 18:08	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 18:08	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 18:08	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 18:08	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 18:08	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 18:08	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 18:08	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 18:08	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 18:08	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 18:08	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 18:08	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 18:08	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 18:08	jkg	
Chloroethane [75-00-3] ^	**2.4**	J	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 18:08	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 18:08	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 18:08	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 18:08	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 18:08	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 18:08	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 18:08	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 18:08	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 18:08	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 18:08	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 18:08	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 18:08	jkg	

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Description:	MW-5S	**Lab Sample ID:**	C800856-08	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 13:00	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 18:08	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 18:08	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 18:08	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 18:08*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 18:08*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 18:08*	*jkg*	

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Description: MW-5S
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-08
Sampled: 02/12/08 13:00
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:29	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:52	VLO	
Barium [7440-39-3] ^	**150**		ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 12:52	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 12:52	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 12:52	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:52	VLO	
Cobalt [7440-48-4] ^	**2.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:52	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 12:52	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:52	VLO	
Nickel [7440-02-0] ^	**2.2**	J	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 12:52	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:52	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:52	VLO	
Thallium [7440-28-0] ^	**0.057**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:29	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 12:52	VLO	
Zinc [7440-66-6] ^	**5.8**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 12:52	VLO	

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

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Description: MW-5D
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-09
Sampled: 02/12/08 13:35
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 18:37	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 18:37	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 18:37	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 18:37	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 18:37	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 18:37	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
2-Butanone [78-93-3] ^	**10**	J	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 18:37	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 18:37	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 18:37	jkg	
Acetone [67-64-1] ^	**33**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 18:37	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 18:37	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 18:37	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 18:37	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 18:37	jkg	
Carbon disulfide [75-15-0] ^	**0.51**	J	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 18:37	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 18:37	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 18:37	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 18:37	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 18:37	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 18:37	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 18:37	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 18:37	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 18:37	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 18:37	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 18:37	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 18:37	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 18:37	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 18:37	jkg	

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Description:	MW-5D	**Lab Sample ID:**	C800856-09	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 13:35	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 18:37	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 18:37	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 18:37	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*83 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 18:37*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 18:37*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 18:37*	*jkg*	

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Description: MW-5D
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-09
Sampled: 02/12/08 13:35
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:31	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:59	VLO	
Barium [7440-39-3] ^	**9.80**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 12:59	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 12:59	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 12:59	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:59	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:59	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 12:59	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:59	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 12:59	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:59	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 12:59	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:31	JDH	
Vanadium [7440-62-2] ^	**1.1**	J	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 12:59	VLO	
Zinc [7440-66-6] ^	**2.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 12:59	VLO	

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Description: MW-2
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-10
Sampled: 02/12/08 14:10
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 19:06	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 19:06	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.54**	J	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 19:06	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 19:06	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 19:06	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 19:06	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**0.83**	J	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 19:06	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 19:06	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 19:06	jkg	
Acetone [67-64-1] ^	**41**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 19:06	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 19:06	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 19:06	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 19:06	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 19:06	jkg	
Carbon disulfide [75-15-0] ^	**5.5**	J	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 19:06	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 19:06	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 19:06	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 19:06	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 19:06	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 19:06	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 19:06	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 19:06	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 19:06	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 19:06	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 19:06	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 19:06	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 19:06	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 19:06	jkg	

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Description:	MW-2	**Lab Sample ID:**	C800856-10	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 14:10	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 19:06	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 19:06	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 19:06	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 19:06*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 19:06*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 19:06*	*jkg*	

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Description: MW-2
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-10
Sampled: 02/12/08 14:10
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:34	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:06	VLO	
Barium [7440-39-3] ^	**313**		ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 13:06	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 13:06	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 13:06	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:06	VLO	
Cobalt [7440-48-4] ^	**5.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:06	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 13:06	VLO	
Lead [7439-92-1] ^	**49.2**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:06	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 13:06	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:06	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:06	VLO	
Thallium [7440-28-0] ^	**0.283**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:34	JDH	
Vanadium [7440-62-2] ^	**10.6**	J	ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 13:06	VLO	
Zinc [7440-66-6] ^	**210**		ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 13:06	VLO	

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Description: MW-1
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-11
Sampled: 02/12/08 14:50
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 19:35	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 19:35	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 19:35	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 19:35	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 19:35	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 19:35	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 19:35	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 19:35	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 19:35	jkg	
Acetone [67-64-1] ^	**5.5**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 19:35	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 19:35	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 19:35	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 19:35	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 19:35	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 19:35	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Chlorobenzene [108-90-7] ^	**0.95**	J	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 19:35	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 19:35	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 19:35	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 19:35	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 19:35	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 19:35	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 19:35	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 19:35	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 19:35	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 19:35	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Tetrachloroethene [127-18-4] ^	**0.46**	J	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 19:35	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 19:35	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 19:35	jkg	

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Description:	MW-1	**Lab Sample ID:**	C800856-11	**Received:**	02/14/08 08:44
Matrix:	Ground Water	**Sampled:**	02/12/08 14:50	**Work Order:**	C800856
Project:	Yadkin New Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 19:35	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 19:35	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 19:35	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 19:35*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 19:35*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 19:35*	*jkg*	

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Description: MW-1
Matrix: Ground Water
Project: Yadkin New Closed LF

Lab Sample ID: C800856-11
Sampled: 02/12/08 14:50
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800856

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/20/08 11:37	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:13	VLO	
Barium [7440-39-3] ^	**465**		ug/L	1	0.20	10.0	100	EPA 6010B	02/25/08 13:13	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/25/08 13:13	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/25/08 13:13	VLO	
Chromium [7440-47-3] ^	**68.7**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:13	VLO	
Cobalt [7440-48-4] ^	**19.7**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:13	VLO	
Copper [7440-50-8] ^	**42.5**		ug/L	1	0.60	10.0	10	EPA 6010B	02/25/08 13:13	VLO	
Lead [7439-92-1] ^	**10.2**		ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:13	VLO	
Nickel [7440-02-0] ^	**57.4**		ug/L	1	2.0	10.0	50	EPA 6010B	02/25/08 13:13	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:13	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/25/08 13:13	VLO	
Thallium [7440-28-0] ^	**0.625**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/20/08 11:37	JDH	
Vanadium [7440-62-2] ^	**122**		ug/L	1	1.0	10.0	25	EPA 6010B	02/25/08 13:13	VLO	
Zinc [7440-66-6] ^	**76.1**		ug/L	1	1.0	10.0	10	EPA 6010B	02/25/08 13:13	VLO	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B14026 - EPA 5030B_MS

Blank (8B14026-BLK1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 11:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
m,p-Xylenes	0.21	U	2.0	ug/L							
o-Xylene	0.14	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B14026 - EPA 5030B_MS

Blank (8B14026-BLK1) Continued Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 11:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*61-120*			
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*79*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*85*	*69-120*			

LCS (8B14026-BS1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		98	71-121			
Benzene	25		1.0	ug/L	20.0		126	77-128			
Trichloroethene	18		1.0	ug/L	20.0		91	79-120			
Toluene	19		1.0	ug/L	20.0		93	77-120			
Chlorobenzene	18		1.0	ug/L	20.0		92	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*69-120*			

Matrix Spike (8B14026-MS1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 12:34

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.14 U	121	71-121			
Benzene	28		1.0	ug/L	20.0	0.12 U	138	77-128			QM-07
Trichloroethene	22		1.0	ug/L	20.0	0.23 U	109	79-120			
Toluene	20		1.0	ug/L	20.0	0.15 U	102	77-120			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	104	78-120			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

Matrix Spike Dup (8B14026-MSD1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 13:03

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.14 U	115	71-121	5	27	
Benzene	27		1.0	ug/L	20.0	0.12 U	136	77-128	1	27	QM-07
Trichloroethene	21		1.0	ug/L	20.0	0.23 U	107	79-120	1	27	
Toluene	20		1.0	ug/L	20.0	0.15 U	102	77-120	0.1	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	102	78-120	2	25	
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*69-120*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8B18003 - EPA 3005A

Blank (8B18003-BLK1) Prepared: 02/18/2008 07:22 Analyzed: 02/25/2008 10:51

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8B18003 - EPA 3005A

Blank (8B18003-BLK1) Continued Prepared: 02/18/2008 07:22 Analyzed: 02/25/2008 10:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.0	U	10.0	ug/L							
Barium	0.20	U	10.0	ug/L							
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Lead	2.0	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (8B18003-BS1) Prepared: 02/18/2008 07:22 Analyzed: 02/25/2008 11:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	530		10.0	ug/L	500		106	82-117			
Barium	542		10.0	ug/L	500		108	72-125			
Beryllium	260		1.00	ug/L	250		104	75-121			
Cadmium	259		1.00	ug/L	250		104	72-120			
Chromium	500		10.0	ug/L	500		100	78-119			
Cobalt	499		10.0	ug/L	500		100	76-117			
Copper	263		10.0	ug/L	250		105	80-117			
Lead	509		10.0	ug/L	500		102	72-121			
Nickel	511		10.0	ug/L	500		102	78-116			
Selenium	561		10.0	ug/L	500		112	82-127			
Silver	49.5		10.0	ug/L	50.0		99	80-128			
Vanadium	246		10.0	ug/L	250		98	78-117			
Zinc	492		10.0	ug/L	500		98	80-120			

Matrix Spike (8B18003-MS1) Prepared: 02/18/2008 07:22 Analyzed: 02/25/2008 11:22

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	525		10.0	ug/L	500	2.0 U	105	64-126			
Barium	608		10.0	ug/L	500	64.2	109	74-119			
Beryllium	255		1.00	ug/L	250	0.70 U	102	70-131			
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121			
Chromium	488		10.0	ug/L	500	2.0 U	98	73-120			
Cobalt	488		10.0	ug/L	500	2.0 U	98	76-120			
Copper	268		10.0	ug/L	250	2.10	106	75-123			
Lead	499		10.0	ug/L	500	2.0 U	100	68-126			
Nickel	504		10.0	ug/L	500	2.0 U	101	64-126			
Selenium	554		10.0	ug/L	500	2.0 U	111	65-129			
Silver	48.0		10.0	ug/L	50.0	2.0 U	96	69-121			
Vanadium	244		10.0	ug/L	250	2.6	97	71-130			
Zinc	483		10.0	ug/L	500	12.2	94	63-131			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8B18003 - EPA 3005A

Matrix Spike Dup (8B18003-MSD1) Prepared: 02/18/2008 07:22 Analyzed: 02/25/2008 11:29

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	526		10.0	ug/L	500	2.0 U	105	64-126	0.1	12	
Barium	612		10.0	ug/L	500	64.2	110	74-119	0.7	11	
Beryllium	255		1.00	ug/L	250	0.70 U	102	70-131	0	21	
Cadmium	254		1.00	ug/L	250	0.50 U	101	68-121	0.08	12	
Chromium	487		10.0	ug/L	500	2.0 U	97	73-120	0.3	10	
Cobalt	489		10.0	ug/L	500	2.0 U	98	76-120	0.02	17	
Copper	270		10.0	ug/L	250	2.10	107	75-123	0.9	16	
Lead	499		10.0	ug/L	500	2.0 U	100	68-126	0.1	19	
Nickel	506		10.0	ug/L	500	2.0 U	101	64-126	0.4	12	
Selenium	556		10.0	ug/L	500	2.0 U	111	65-129	0.3	10	
Silver	47.7		10.0	ug/L	50.0	2.0 U	95	69-121	0.6	12	
Vanadium	245		10.0	ug/L	250	2.6	97	71-130	0.4	16	
Zinc	481		10.0	ug/L	500	12.2	94	63-131	0.4	24	

Batch 8B18004 - EPA 3005A

Blank (8B18004-BLK1) Prepared: 02/18/2008 07:25 Analyzed: 02/20/2008 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	1.00	ug/L							

LCS (8B18004-BS1) Prepared: 02/18/2008 07:25 Analyzed: 02/20/2008 10:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.4		2.00	ug/L	25.0		105	85-115			
Thallium	27.5		1.00	ug/L	25.0		110	85-115			

Matrix Spike (8B18004-MS1) Prepared: 02/18/2008 07:25 Analyzed: 02/20/2008 11:00

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.9		2.00	ug/L	25.0	0.68 U	108	85-115			
Thallium	27.4		1.00	ug/L	25.0	0.106	109	85-115			

Matrix Spike Dup (8B18004-MSD1) Prepared: 02/18/2008 07:25 Analyzed: 02/20/2008 11:03

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.7		2.00	ug/L	25.0	0.68 U	107	85-115	0.7	20	
Thallium	27.7		1.00	ug/L	25.0	0.106	110	85-115	0.9	20	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Page 1 of 1

Client Name: Municipal Engineering Services (MU001)	Project Number: G08017.0
Address: P.O. Box 97	Project Name/Desc: Yadkin New Closed LF
City/ST/Zip: Garner, NC 27529	PO # / Billing Info:
Tel: (919) 772-5393 / Fax: (919) 772-1176	Reporting Contact: Jonathan Pfohl
Sampler(s) Name, Affiliation (Print): Jonathan Pfohl, MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Se,Se,Tl,V,Zn

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C800856

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Se,Se,Tl,V,Zn									Sample Comments
	MW-6 MS/MSD	2/12/08	12:05	Grab	Water	7	X	X									
	MW-4	2/12/08	9:00		Water	4	X	X									
	SW-2		9:20		Water	4	X	X									
	MW-3		10:10		Water	4	X	X									
	SW-1		10:30		Water	4	X	X									
	MW-8		11:00		Water	4	X	X									
	MW-7		11:35		Water	4	X	X									
	[redacted]		[redacted]		Water	[redacted]	[redacted]	[redacted]									
	MW-5S		1:00		Water	4	X	X									
	MW-5D		1:35		Water	4	X	X									
	MW-2		2:10		Water	4	X	X									
	MW-1		2:50		Water	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
DSW JWL	1/29/08		2/14/08 8:44	Samuel Lee Hayes	2/14/08 8:44
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-115 2.6°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Wednesday, February 20, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G08017.0, Project Name/Desc: Yadkin Co LF - Blks
ENCO Workorder: C800855

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, February 14, 2008.

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

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

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

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

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 16.

CASE NARRATIVE

Date: February 20, 2008
Client: Municipal Engineering Services
Project #: Yadkin Co LF Blanks
Lab ID: C800855

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

VGCMS The percent recovery of Benzene in both the MS and MSD exceeded control limits. The data has been released based on an acceptable LCS recovery.

Other Comments

None

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: EB **Lab ID:** C800855-01 **Sampled:** 02/12/08 08:50 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/26/08	02/14/08 14:11	2/15/2008 14:31

Client ID: FB **Lab ID:** C800855-02 **Sampled:** 02/12/08 08:55 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/26/08	02/19/08 09:28	2/19/2008 15:29

Client ID: TB **Lab ID:** C800855-03 **Sampled:** 02/12/08 00:00 **Received:** 02/14/08 08:44

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/26/08	02/19/08 09:28	2/19/2008 15:00

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: EB **Lab ID:** C800855-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	14	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Chloroform	7.8		1	0.16	1.0	5	ug/L	EPA 8260B	

Client ID: FB **Lab ID:** C800855-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	14	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Chloroform	8.6		1	0.16	1.0	5	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: EB
Matrix: Water
Project: Yadkin Co LF - Blks

Lab Sample ID: C800855-01
Sampled: 02/12/08 08:50
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800855

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 14:31	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/15/08 14:31	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/15/08 14:31	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 14:31	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/15/08 14:31	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/15/08 14:31	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/15/08 14:31	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/15/08 14:31	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/15/08 14:31	jkg	
Acetone [67-64-1] ^	**14**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/15/08 14:31	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/15/08 14:31	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/15/08 14:31	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/15/08 14:31	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/15/08 14:31	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/15/08 14:31	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/15/08 14:31	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/15/08 14:31	jkg	
Chloroform [67-66-3] ^	**7.8**		ug/L	1	0.16	1.0	5	EPA 8260B	02/15/08 14:31	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/15/08 14:31	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/15/08 14:31	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/15/08 14:31	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/15/08 14:31	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/15/08 14:31	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/15/08 14:31	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/15/08 14:31	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/15/08 14:31	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/15/08 14:31	jkg	

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Description:	EB	**Lab Sample ID:**	C800855-01	**Received:**	02/14/08 08:44
Matrix:	Water	**Sampled:**	02/12/08 08:50	**Work Order:**	C800855
Project:	Yadkin Co LF - Blks	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/15/08 14:31	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/15/08 14:31	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/15/08 14:31	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/15/08 14:31	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*69-120*	*8B14026*	*EPA 8260B*	*02/15/08 14:31*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*61-120*	*8B14026*	*EPA 8260B*	*02/15/08 14:31*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*75-99*	*8B14026*	*EPA 8260B*	*02/15/08 14:31*	*jkg*	

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

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Description: FB
Matrix: Water
Project: Yadkin Co LF - Blks

Lab Sample ID: C800855-02
Sampled: 02/12/08 08:55
Sampled By: J. Pfohl

Received: 02/14/08 08:44
Work Order: C800855

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/19/08 15:29	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/19/08 15:29	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/19/08 15:29	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/19/08 15:29	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/19/08 15:29	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/19/08 15:29	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/19/08 15:29	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/19/08 15:29	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/19/08 15:29	jkg	
Acetone [67-64-1] ^	**14**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/19/08 15:29	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/19/08 15:29	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/19/08 15:29	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/19/08 15:29	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/19/08 15:29	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/19/08 15:29	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/19/08 15:29	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/19/08 15:29	jkg	
Chloroform [67-66-3] ^	**8.6**		ug/L	1	0.16	1.0	5	EPA 8260B	02/19/08 15:29	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/19/08 15:29	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/19/08 15:29	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/19/08 15:29	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/19/08 15:29	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/19/08 15:29	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/19/08 15:29	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/19/08 15:29	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/19/08 15:29	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/19/08 15:29	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/19/08 15:29	jkg	

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Description:	FB	**Lab Sample ID:**	C800855-02	**Received:**	02/14/08 08:44
Matrix:	Water	**Sampled:**	02/12/08 08:55	**Work Order:**	C800855
Project:	Yadkin Co LF - Blks	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/19/08 15:29	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/19/08 15:29	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/19/08 15:29	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*97 %*	*69-120*	*8B19010*	*EPA 8260B*	*02/19/08 15:29*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*61-120*	*8B19010*	*EPA 8260B*	*02/19/08 15:29*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*75-99*	*8B19010*	*EPA 8260B*	*02/19/08 15:29*	*jkg*	

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Description: TB
Matrix: Water
Project: Yadkin Co LF - Blks

Lab Sample ID: C800855-03
Sampled: 02/12/08 00:00
Sampled By: ENCO

Received: 02/14/08 08:44
Work Order: C800855

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/19/08 15:00	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/19/08 15:00	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/19/08 15:00	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/19/08 15:00	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/19/08 15:00	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/19/08 15:00	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/19/08 15:00	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/19/08 15:00	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/19/08 15:00	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/19/08 15:00	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/19/08 15:00	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/19/08 15:00	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/19/08 15:00	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/19/08 15:00	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/19/08 15:00	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/19/08 15:00	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/19/08 15:00	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/19/08 15:00	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/19/08 15:00	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/19/08 15:00	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/19/08 15:00	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/19/08 15:00	jkg	
m,p-Xylenes [108-38-3/106-42-3] ^	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	02/19/08 15:00	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/19/08 15:00	jkg	
o-Xylene [95-47-6] ^	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	02/19/08 15:00	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/19/08 15:00	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/19/08 15:00	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/19/08 15:00	jkg	

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Description:	TB	**Lab Sample ID:**	C800855-03	**Received:**	02/14/08 08:44
Matrix:	Water	**Sampled:**	02/12/08 00:00	**Work Order:**	C800855
Project:	Yadkin Co LF - Blks	**Sampled By:**	ENCO		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/19/08 15:00	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/19/08 15:00	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/19/08 15:00	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*69-120*	*8B19010*	*EPA 8260B*	*02/19/08 15:00*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8B19010*	*EPA 8260B*	*02/19/08 15:00*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*75-99*	*8B19010*	*EPA 8260B*	*02/19/08 15:00*	*jkg*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B14026 - EPA 5030B_MS

Blank (8B14026-BLK1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 11:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
m,p-Xylenes	0.21	U	2.0	ug/L							
o-Xylene	0.14	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B14026 - EPA 5030B_MS

Blank (8B14026-BLK1) Continued Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 11:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*61-120*			
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*79*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*85*	*69-120*			

LCS (8B14026-BS1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		98	71-121			
Benzene	25		1.0	ug/L	20.0		126	77-128			
Trichloroethene	18		1.0	ug/L	20.0		91	79-120			
Toluene	19		1.0	ug/L	20.0		93	77-120			
Chlorobenzene	18		1.0	ug/L	20.0		92	78-120			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*69-120*			

Matrix Spike (8B14026-MS1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 12:34

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.14 U	121	71-121			
Benzene	28		1.0	ug/L	20.0	0.12 U	138	77-128			QM-07
Trichloroethene	22		1.0	ug/L	20.0	0.23 U	109	79-120			
Toluene	20		1.0	ug/L	20.0	0.15 U	102	77-120			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	104	78-120			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*61-120*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*69-120*			

Matrix Spike Dup (8B14026-MSD1) Prepared: 02/14/2008 14:11 Analyzed: 02/15/2008 13:03

Source: C800856-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.14 U	115	71-121	5	27	
Benzene	27		1.0	ug/L	20.0	0.12 U	136	77-128	1	27	QM-07
Trichloroethene	21		1.0	ug/L	20.0	0.23 U	107	79-120	1	27	
Toluene	20		1.0	ug/L	20.0	0.15 U	102	77-120	0.1	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	102	78-120	2	25	
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*69-120*			

Batch 8B19010 - EPA 5030B_MS

Blank (8B19010-BLK1) Prepared: 02/19/2008 09:28 Analyzed: 02/19/2008 12:29

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B19010 - EPA 5030B_MS

Blank (8B19010-BLK1) Continued Prepared: 02/19/2008 09:28 Analyzed: 02/19/2008 12:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
m,p-Xylenes	0.21	U	2.0	ug/L							
o-Xylene	0.14	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B19010 - EPA 5030B_MS

Blank (8B19010-BLK1) Continued Prepared: 02/19/2008 09:28 Analyzed: 02/19/2008 12:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*96*	*69-120*			

LCS (8B19010-BS1) Prepared: 02/19/2008 09:28 Analyzed: 02/19/2008 12:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	71-121			
Benzene	25		1.0	ug/L	20.0		125	77-128			
Trichloroethene	19		1.0	ug/L	20.0		94	79-120			
Toluene	20		1.0	ug/L	20.0		100	77-120			
Chlorobenzene	20		1.0	ug/L	20.0		98	78-120			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*61-120*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*69-120*			

Matrix Spike (8B19010-MS1) Prepared: 02/19/2008 09:28 Analyzed: 02/19/2008 13:32

Source: C801549-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.14 U	104	71-121			
Benzene	23		1.0	ug/L	20.0	0.12 U	116	77-128			
Trichloroethene	18		1.0	ug/L	20.0	0.23 U	89	79-120			
Toluene	19		1.0	ug/L	20.0	0.15 U	94	77-120			
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	95	78-120			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*93*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*69-120*			

Matrix Spike Dup (8B19010-MSD1) Prepared: 02/19/2008 09:28 Analyzed: 02/19/2008 14:02

Source: C801549-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.14 U	103	71-121	0.9	27	
Benzene	23		1.0	ug/L	20.0	0.12 U	115	77-128	1	27	
Trichloroethene	17		1.0	ug/L	20.0	0.23 U	84	79-120	5	27	
Toluene	19		1.0	ug/L	20.0	0.15 U	93	77-120	1	23	
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	92	78-120	3	25	
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*69-120*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-0945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Page 1 of 1

Client Name: Municipal Engineering Services (MU001)	Project Number: G08017.0
Address: P.O. Box 97	Project Name/Desc: Yadkin Co LF - Blks
City/ST/Zip: Garner, NC 27529	PO # / Billing Info:
Tel: (919) 772-5393 / Fax: (919) 772-1176	Reporting Contact: Jonathan Pfohl
Sampler(s) Name, Affiliation (Print): Jonathan Pfohl, MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required):

Requested Analyses: 8260B Appendix 1

Requested Turnaround Times
Note: Rush requests subject to acceptance by the facility
✓ Standard
___ Expedited
Due __/__/__

Lab Workorder: C800855

Preservation (See Codes) (Combine as necessary)

Item	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	EB	2/12/08	8:50		Water	3	X	
	FB	2/12/08	8:55		Water	3	X	
	TB	ENCO Filled			Water	2 JWL 1/29	X	

<-- Total # of Containers

Sample Kit Prepared By: JWL DSW	Date/Time: 1/29 1045	Relinquished By: [signature] 8:44 2/14/08	Date/Time	Received By: [signature] Date/Time: 2/14/08 8:44
Comments: Food lion DI H2O DBaker for EB		Relinquished By	Date/Time	Received By / Date/Time
		Relinquished By	Date/Time	Received By / Date/Time
		Cooler #'s & Temps on Receipt: ~~HPC 6~~ C-258 3.1°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.