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	August 16, 2007

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	10/22/07 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

August, 2007

Permit Number: 99-02
MESCO Project Number: G07017.0

Completed on October 22, 2007

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.

October 22, 2007

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. G07017.0

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 August 13, 2007. 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 landfill 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 and the Solid Waste Section Reporting Limit. The results are shown in the enclosed tables titled "Detection Scan". The following table summarizes the constituents that exceeded the NCGW2L Standard.

Table 1. Exceedance Summary

Well	Chromium	Lead	Benzene	1,4-DCB
MW-1	x			
MW-2		x	x	x
MW-3	x	x		
MW-8		x		

=concentration greater than NCGW2L Standard

Low levels of metals continue to be detected within a few monitoring wells with concentrations of lead detected above the Standard within downgradient wells MW-2, MW-3, and MW-8. Chromium was found above the MCL within MW-3 and the background well MW-1. All of the detected metals were found within their respective historical identifiable range and an increasing trend is not evident. The presence of metals is very likely natural and not a product of leachate contamination.

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

Historically MW-2, located directly adjacent to the southern waste boundary, has consistently contained VOCs in elevated concentrations. During this sampling event 1,4-dichlorobenzene and benzene were found in concentrations above the Standard. MW-2 also was found to contain 5 other VOCs in concentrations above the SWSL but within historically identified levels. The compliance wells MW-5S & MW-5D, located across the small stream from MW-2, were found to be free of all VOC constituents in quantifiable concentrations indicating that the contaminants contained in the MW-2 region likely continue to be confined to the immediate waste boundary.

MW-4, located at the far southeast property corner, had historically contained several VOCs that previously appeared to be increasing in concentrations but VOCs were absent during the previous 5 sampling events prior to the previous event conducted in February 2007. VOCs were once again absent from MW-4 in concentrations above the SWSL. No VOCs were found within surface water monitoring point SW-2 located near MW-4 indicating that it is very unlikely that significant concentrations of leachate have migrated beyond the property boundary.

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

The facility is scheduled to be sampled again in February 2008. 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
MW-1	Barium	08/16/2007	480	ug/L	1	100	2000		
MW-1	Beryllium	08/16/2007	1.1	ug/L	0.7	1		4	
MW-1	Cadmium	08/16/2007	1.3	ug/L	0.5	1	1.75		
MW-1	**Chromium**	**08/16/2007**	**79.7**	**ug/L**	**3.0**	**10**	**50**		**29.7**
MW-1	Cobalt	08/16/2007	27.2	ug/L	2.0	10		70	
MW-1	Copper	08/16/2007	49	ug/L	3	10	1000		
MW-1	Lead	08/16/2007	10	ug/L	2	10	15		
MW-1	Nickel	08/16/2007	54	ug/L	2	50	100		
MW-1	Trichlorofluoromethane	02/08/2007	1.1	ug/L	0.16	1	2100		
MW-1	**Vanadium**	**08/16/2007**	**116**	**ug/L**	**1.0**	**25**		**3.5**	**112.5**
MW-1	Zinc	08/16/2007	92	ug/L	3	10	1050		
MW-2	**1,4-Dichlorobenzene**	**08/16/2007**	**7.4**	**ug/L**	**0.15**	**1**	**1.4**		**6**
MW-2	Barium	08/16/2007	273	ug/L	1	100	2000		
MW-2	**Benzene**	**08/16/2007**	**1.9**	**ug/L**	**0.12**	**1**	**1**		**0.9**
MW-2	Cobalt	08/16/2007	119	ug/L	2.0	10		70	
MW-2	Ethylbenzene	08/16/2007	5	ug/L	0.17	1	550		
MW-2	**Lead**	**08/16/2007**	**17**	**ug/L**	**2**	**10**	**15**		**2**
MW-2	Methylene chloride	08/16/2007	2.3	ug/L	0.088	1	4.6		
MW-2	Toluene	08/16/2007	14	ug/L	0.15	1	1000		
MW-2	Trichloroethene	08/16/2007	1.1	ug/L	0.23	1	2.8		
MW-2	**Vanadium**	**08/16/2007**	**9.1**	**ug/L**	**1.0**	**25**		**3.5**	**5.6**
MW-2	Xylenes	08/16/2007	9	ug/L	0.21	4	530		
MW-2	Zinc	08/16/2007	35	ug/L	3	10	1050		
MW-3	Barium	08/16/2007	307	ug/L	1	100	2000		
MW-3	Beryllium	08/16/2007	2.2	ug/L	0.7	1		4	
MW-3	**Chromium**	**08/16/2007**	**56.8**	**ug/L**	**3.0**	**10**	**50**		**6.8**
MW-3	Cobalt	08/16/2007	34.3	ug/L	2.0	10		70	
MW-3	Copper	08/16/2007	46	ug/L	3	10	1000		
MW-3	**Lead**	**08/16/2007**	**34**	**ug/L**	**2**	**10**	**15**		**19**
MW-3	**Thallium**	**08/16/2007**	**0.492**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.212**
MW-3	**Vanadium**	**08/16/2007**	**64.2**	**ug/L**	**1.0**	**25**		**3.5**	**60.7**
MW-3	Zinc	08/16/2007	163	ug/L	3	10	1050		
MW-7	Barium	08/16/2007	159	ug/L	1	100	2000		
MW-7	Beryllium	08/16/2007	1.4	ug/L	0.7	1		4	
MW-7	Chromium	08/16/2007	13.2	ug/L	3.0	10	50		
MW-7	Copper	08/16/2007	16	ug/L	3	10	1000		
MW-7	Lead	08/16/2007	11	ug/L	2	10	15		
MW-7	**Thallium**	**08/16/2007**	**0.302**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.022**
MW-7	**Vanadium**	**08/16/2007**	**13.4**	**ug/L**	**1.0**	**25**		**3.5**	**9.9**
MW-7	Zinc	08/16/2007	52	ug/L	3	10	1050		
MW-8	Barium	08/16/2007	395	ug/L	1	100	2000		
MW-8	Beryllium	08/16/2007	2.5	ug/L	0.7	1		4	
MW-8	Chromium	08/16/2007	17.7	ug/L	3.0	10	50		
MW-8	Copper	08/16/2007	12	ug/L	3	10	1000		
MW-8	**Lead**	**08/16/2007**	**19**	**ug/L**	**2**	**10**	**15**		**4**
MW-8	**Vanadium**	**08/16/2007**	**20.6**	**ug/L**	**1.0**	**25**		**3.5**	**17.1**
MW-8	Zinc	08/16/2007	84	ug/L	3	10	1050		

[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)

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

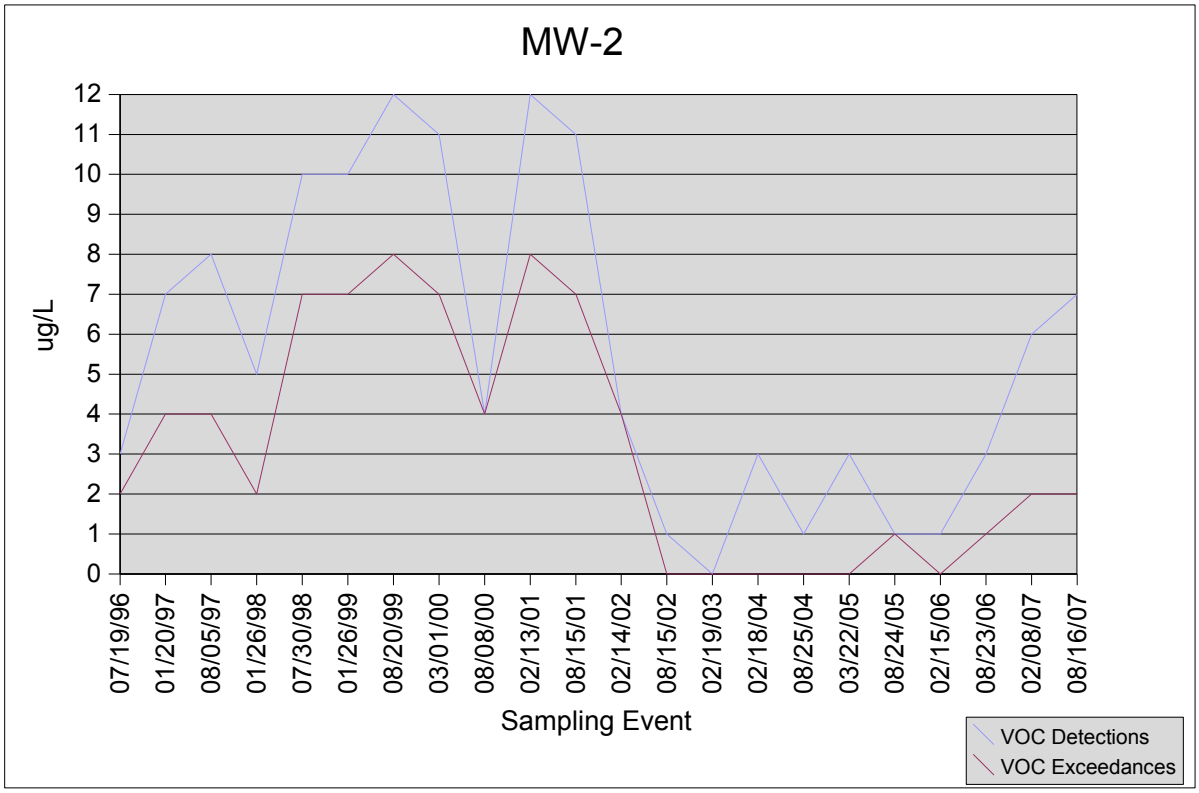
Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance
MW-1	Barium	08/16/2007	480	ug/L	1	100	2000		
MW-1	Beryllium	08/16/2007	1.1	ug/L	0.7	1		4	
MW-1	Cadmium	08/16/2007	1.3	ug/L	0.5	1	1.75		
MW-1	**Chromium**	**08/16/2007**	**79.7**	**ug/L**	**3.0**	**10**	**50**		**29.7**
MW-1	Cobalt	08/16/2007	27.2	ug/L	2.0	10		70	
MW-1	Copper	08/16/2007	49	ug/L	3	10	1000		
MW-1	Lead	08/16/2007	10	ug/L	2	10	15		
MW-1	Nickel	08/16/2007	54	ug/L	2	50	100		
MW-1	Selenium	08/16/2007	5	ug/L	2	10	50		
MW-1	Thallium	08/16/2007	0.269	ug/L	0.036	5.5		0.28	
MW-1	Trichlorofluoromethane	08/16/2007	0.5	ug/L	0.16	1	2100		
MW-1	**Vanadium**	**08/16/2007**	**116**	**ug/L**	**1.0**	**25**		**3.5**	**112.5**
MW-1	Zinc	08/16/2007	92	ug/L	3	10	1050		
MW-2	1,1-Dichloroethane	08/16/2007	0.91	ug/L	0.090	5	70		
MW-2	**1,4-Dichlorobenzene**	**08/16/2007**	**7.4**	**ug/L**	**0.15**	**1**	**1.4**		**6**
MW-2	2-Butanone	08/16/2007	3.2	ug/L	0.56	100	4200		
MW-2	2-Hexanone	08/16/2007	3	ug/L	0.24	50		280	
MW-2	Acetone	08/16/2007	9.8	ug/L	0.90	100	700		
MW-2	Barium	08/16/2007	273	ug/L	1	100	2000		
MW-2	**Benzene**	**08/16/2007**	**1.9**	**ug/L**	**0.12**	**1**	**1**		**0.9**
MW-2	Cadmium	08/16/2007	0.7	ug/L	0.5	1	1.75		
MW-2	Carbon disulfide	08/16/2007	8.4	ug/L	0.12	100	700		
MW-2	Chlorobenzene	08/16/2007	2.2	ug/L	0.16	3	50		
MW-2	Chromium	08/16/2007	6.7	ug/L	3.0	10	50		
MW-2	cis-1,2-Dichloroethene	08/16/2007	1.9	ug/L	0.14	5	70		
MW-2	Cobalt	08/16/2007	119	ug/L	2.0	10		70	
MW-2	Copper	08/16/2007	8	ug/L	3	10	1000		
MW-2	Ethylbenzene	08/16/2007	5	ug/L	0.17	1	550		
MW-2	**Lead**	**08/16/2007**	**17**	**ug/L**	**2**	**10**	**15**		**2**
MW-2	Methylene chloride	08/16/2007	2.3	ug/L	0.088	1	4.6		
MW-2	Nickel	08/16/2007	6	ug/L	2	50	100		
MW-2	Selenium	08/16/2007	8	ug/L	2	10	50		
MW-2	Thallium	08/16/2007	0.054	ug/L	0.036	5.5		0.28	
MW-2	Toluene	08/16/2007	14	ug/L	0.15	1	1000		
MW-2	Trichloroethene	08/16/2007	1.1	ug/L	0.23	1	2.8		
MW-2	**Vanadium**	**08/16/2007**	**9.1**	**ug/L**	**1.0**	**25**		**3.5**	**5.6**
MW-2	Xylenes	08/16/2007	9	ug/L	0.21	4	530		
MW-2	Zinc	08/16/2007	35	ug/L	3	10	1050		
MW-3	1,1-Dichloroethane	08/16/2007	1	ug/L	0.090	5	70		
MW-3	1,4-Dichlorobenzene	08/16/2007	0.56	ug/L	0.15	1	1.4		
MW-3	Arsenic	08/16/2007	8.7	ug/L	4.0	10	50		
MW-3	Barium	08/16/2007	307	ug/L	1	100	2000		
MW-3	Beryllium	08/16/2007	2.2	ug/L	0.7	1		4	
MW-3	Cadmium	08/16/2007	0.6	ug/L	0.5	1	1.75		
MW-3	**Chromium**	**08/16/2007**	**56.8**	**ug/L**	**3.0**	**10**	**50**		**6.8**
MW-3	Cobalt	08/16/2007	34.3	ug/L	2.0	10		70	

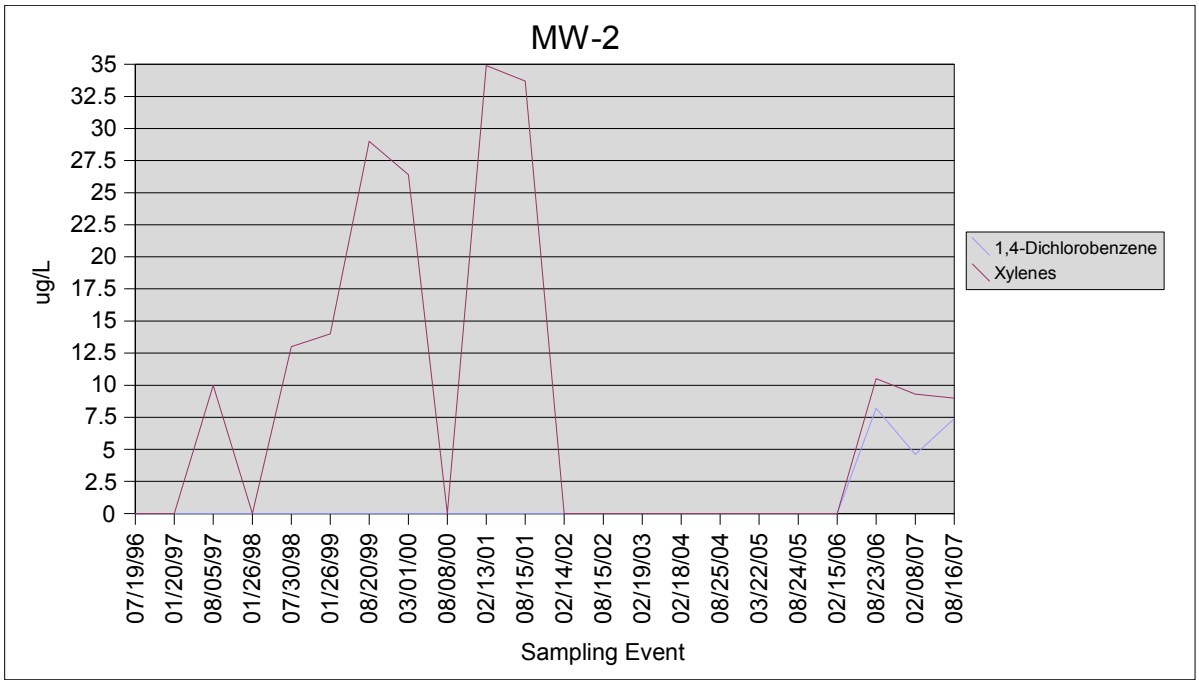
Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance
MW-3	Copper	08/16/2007	46	ug/L	3	10	1000		
MW-3	**Lead**	**08/16/2007**	**34**	**ug/L**	**2**	**10**	**15**		**19**
MW-3	Nickel	08/16/2007	33	ug/L	2	50	100		
MW-3	**Thallium**	**08/16/2007**	**0.492**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.212**
MW-3	**Vanadium**	**08/16/2007**	**64.2**	**ug/L**	**1.0**	**25**		**3.5**	**60.7**
MW-3	Zinc	08/16/2007	163	ug/L	3	10	1050		
MW-4	1,2-Dichloropropane	08/16/2007	0.34	ug/L	0.18	1	0.51		
MW-4	Barium	08/16/2007	20	ug/L	1	100	2000		
MW-4	Benzene	08/16/2007	0.57	ug/L	0.12	1	1		
MW-4	Cobalt	08/16/2007	4.7	ug/L	2.0	10		70	
MW-4	Ethylbenzene	08/16/2007	0.38	ug/L	0.17	1	550		
MW-4	Thallium	08/16/2007	0.083	ug/L	0.036	5.5		0.28	
MW-4	Toluene	08/16/2007	0.49	ug/L	0.15	1	1000		
MW-4	Xylenes	08/16/2007	0.61	ug/L	0.21	4	530		
MW-5D	Acetone	08/16/2007	29	ug/L	0.90	100	700		
MW-5D	Barium	08/16/2007	12	ug/L	1	100	2000		
MW-5D	Carbon disulfide	08/16/2007	7.4	ug/L	0.12	100	700		
MW-5D	Vanadium	08/16/2007	2	ug/L	1.0	25		3.5	
MW-5D	Zinc	08/16/2007	4	ug/L	3	10	1050		
MW-5S	1,1-Dichloroethane	08/16/2007	0.77	ug/L	0.090	5	70		
MW-5S	Barium	08/16/2007	68	ug/L	1	100	2000		
MW-5S	Toluene	08/16/2007	0.34	ug/L	0.15	1	1000		
MW-6	Acetone	08/16/2007	16	ug/L	0.90	100	700		
MW-6	Barium	08/16/2007	28	ug/L	1	100	2000		
MW-6	Thallium	08/16/2007	0.053	ug/L	0.036	5.5		0.28	
MW-6	Toluene	08/16/2007	0.35	ug/L	0.15	1	1000		
MW-7	Arsenic	08/16/2007	5.7	ug/L	4.0	10	50		
MW-7	Barium	08/16/2007	159	ug/L	1	100	2000		
MW-7	Beryllium	08/16/2007	1.4	ug/L	0.7	1		4	
MW-7	Cadmium	08/16/2007	0.6	ug/L	0.5	1	1.75		
MW-7	Chromium	08/16/2007	13.2	ug/L	3.0	10	50		
MW-7	Cobalt	08/16/2007	6	ug/L	2.0	10		70	
MW-7	Copper	08/16/2007	16	ug/L	3	10	1000		
MW-7	Lead	08/16/2007	11	ug/L	2	10	15		
MW-7	Nickel	08/16/2007	8	ug/L	2	50	100		
MW-7	**Thallium**	**08/16/2007**	**0.302**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.022**
MW-7	**Vanadium**	**08/16/2007**	**13.4**	**ug/L**	**1.0**	**25**		**3.5**	**9.9**
MW-7	Zinc	08/16/2007	52	ug/L	3	10	1050		
MW-8	Arsenic	08/16/2007	8.2	ug/L	4.0	10	50		
MW-8	Barium	08/16/2007	395	ug/L	1	100	2000		
MW-8	Beryllium	08/16/2007	2.5	ug/L	0.7	1		4	
MW-8	Chromium	08/16/2007	17.7	ug/L	3.0	10	50		
MW-8	Cobalt	08/16/2007	9.8	ug/L	2.0	10		70	
MW-8	Copper	08/16/2007	12	ug/L	3	10	1000		
MW-8	**Lead**	**08/16/2007**	**19**	**ug/L**	**2**	**10**	**15**		**4**
MW-8	Nickel	08/16/2007	15	ug/L	2	50	100		
MW-8	Thallium	08/16/2007	0.23	ug/L	0.036	5.5		0.28	
MW-8	**Vanadium**	**08/16/2007**	**20.6**	**ug/L**	**1.0**	**25**		**3.5**	**17.1**
MW-8	Zinc	08/16/2007	84	ug/L	3	10	1050		

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance
SW-1	Barium	08/16/2007	48	ug/L	1	100	2000		
SW-1	Zinc	08/16/2007	3	ug/L	3	10	1050		
SW-2	Barium	08/16/2007	46	ug/L	1	100	2000		

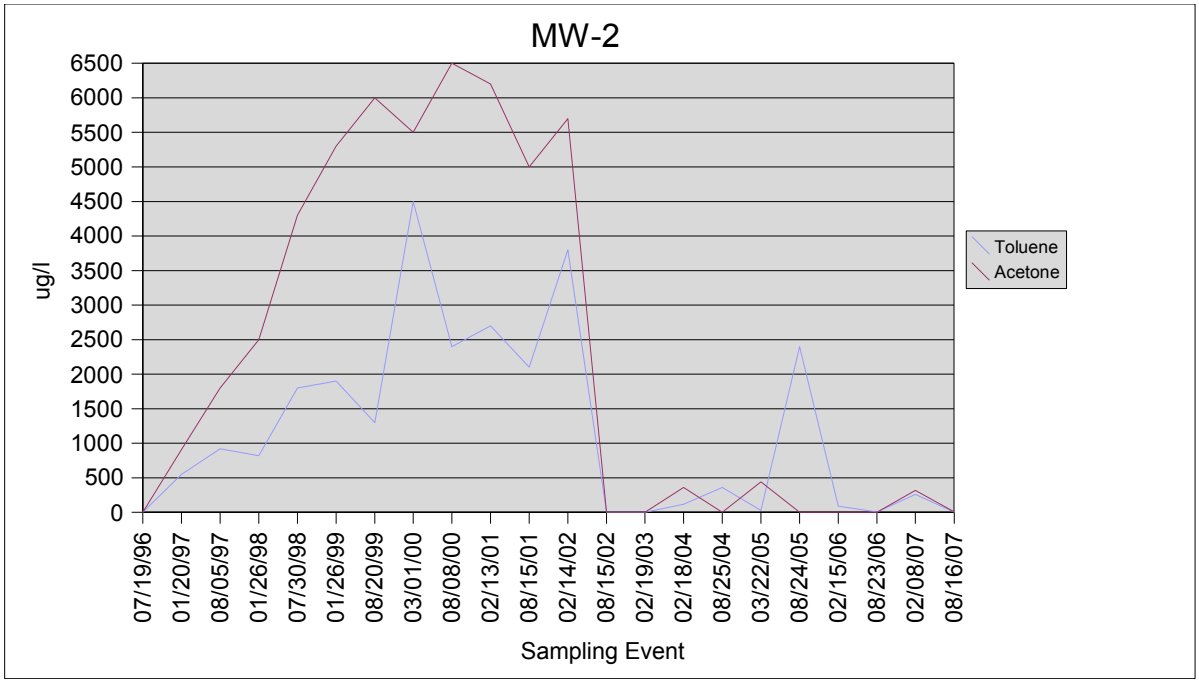
[1] Table only contains detected constituents.
[2] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] MDL = Method Detection Limit
[4] GWP = Groundwater Protection Standard (Current as of Sampling Event)

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

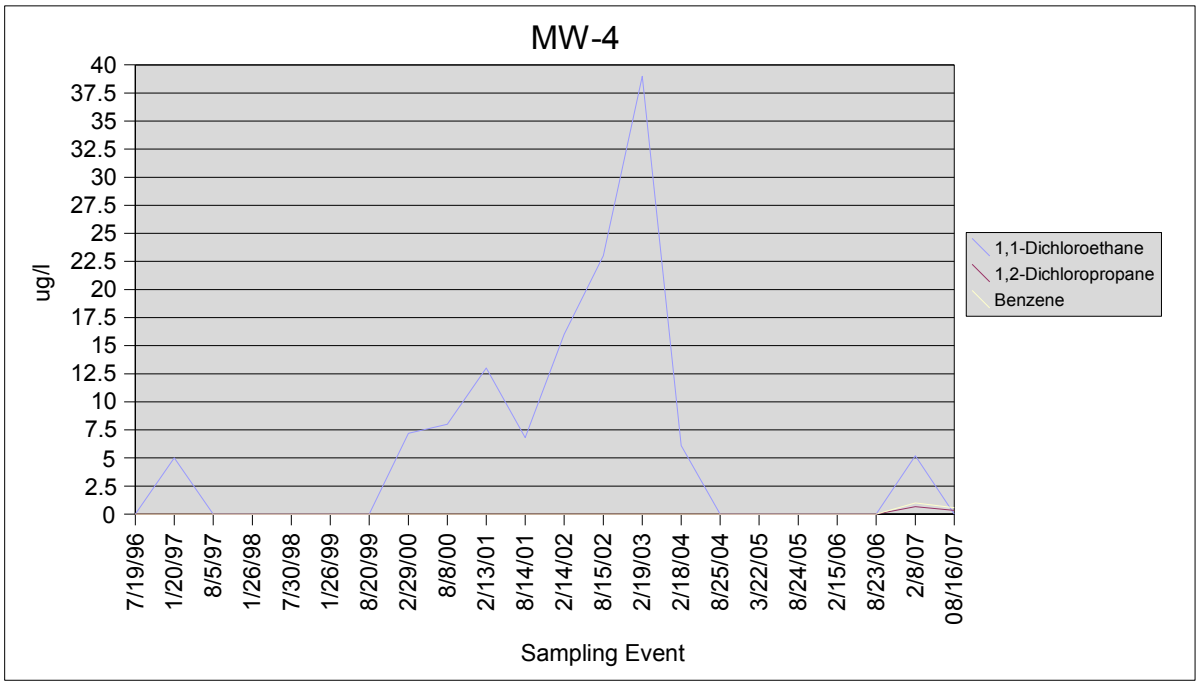




Time Series Plots for Select Constituents (MW-2)
Yadkin County New Closed MSWLF and Closed C&D Landfill



Time Series Plots for Select Constituents (MW-4)
Yadkin County New Closed MSWLF and Closed C&D Landfill



Sampling Data Sheet

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

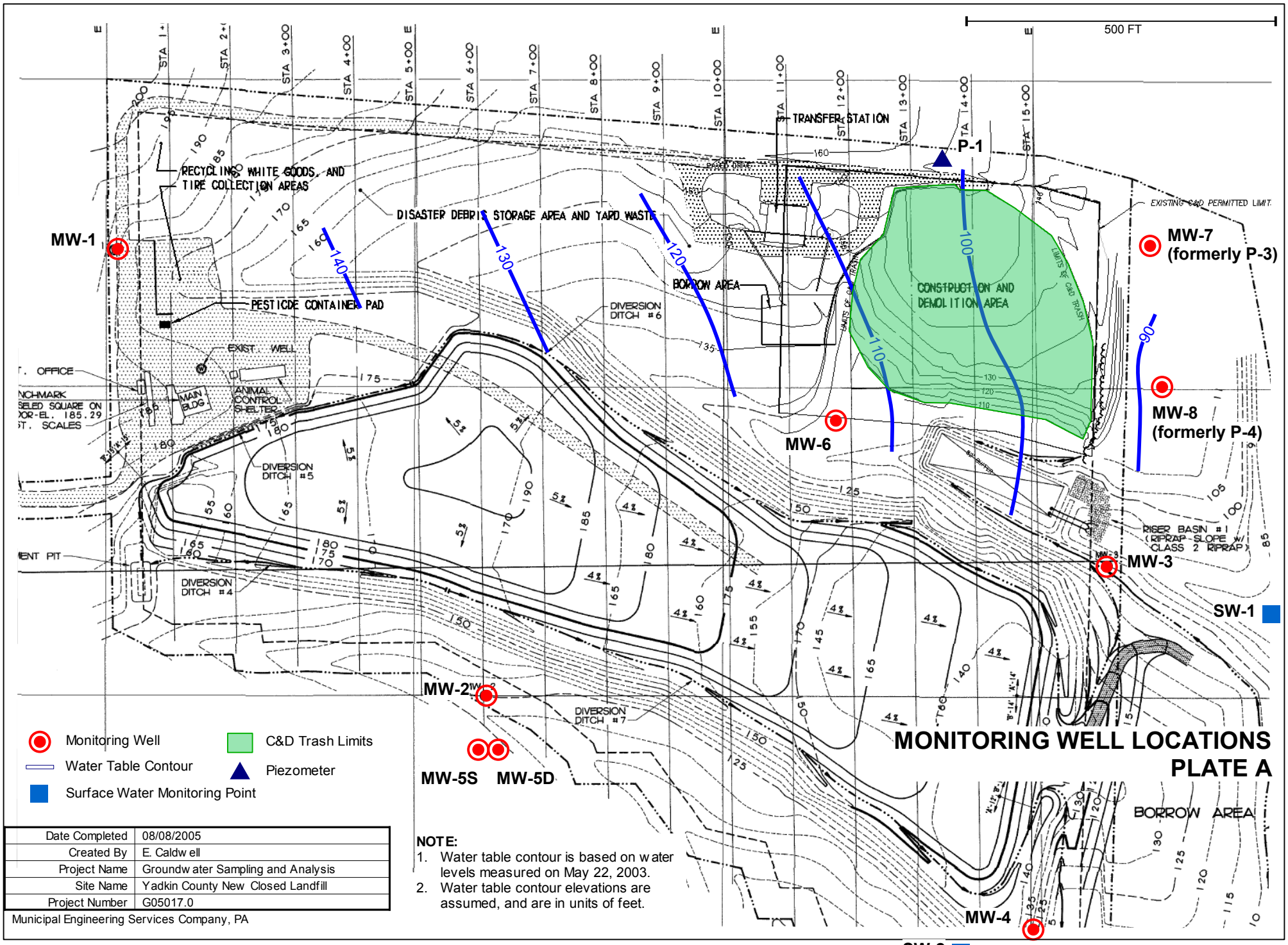
Samplers: J. Pfohl

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	
MW-4	8/16/07	11:00	9.96	I	PD	P&D Baler		5.6	15.9	120	clear	20.5	4
MW-3		11:40	9.08	I	PD	D Baler		5.7	15.8	100	MT	21	3
SW-2		11:50	–	I	–	Dip		6.8	23.2	60	C	–	11
SW-1		12:00	–	I	–	Dip		6.9	23.3	30	C	–	10
MW-8		12:25	40.52	I	PD	P&D Baler		6.3	14.3	10	ST	45	8
MW-7		12:50	40.17	I	PD	P&D Baler		6.1	15.8	30	ST	45	7
MW-6		1:50	16.96	I	PD	P&D Baler		6.2	14.8	20	C	21	6
MW-1		2:25	33.20	I	4	P&D Baler		6.2	14.9	40	ST	39.5	1
MW-5D		3:00	11.80	I	PD	P&D Baler	Bubbles smell	6.1	14.9	20	C	71	12
MW-5S		3:40	6.03	I	PD	P&D Baler	–	6.2	14.9	10	C	20	5
MW-2		4:10	9.44	I	PD	D Baler	smells bubbles	5.3	16.4	680	~~MT~~	18.5	9

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



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.

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

Friday, September 7, 2007

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G07017.0, Project Name/Desc: Yadkin New Closed LF
ENCO Workorder: C711016

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, August 21, 2007.

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 56.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	MW-2 MS/MSD	Lab ID:	C711016-01	Sampled:	08/16/07 16:10	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07	09:17	9/4/2007 19:32
EPA 6020	02/12/08	08/28/07	12:56	9/6/2007 12:17
EPA 8260B	08/30/07	08/27/07	09:28	8/27/2007 13:36

Client ID:	MW-4	Lab ID:	C711016-02	Sampled:	08/16/07 11:00	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07	09:17	9/4/2007 19:39
EPA 6020	02/12/08	08/28/07	12:56	9/6/2007 12:30
EPA 8260B	08/30/07	08/27/07	09:28	8/27/2007 14:57

Client ID:	MW-3	Lab ID:	C711016-03	Sampled:	08/16/07 11:40	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07	09:17	9/4/2007 19:45
EPA 6020	02/12/08	08/28/07	12:56	9/6/2007 12:32
EPA 8260B	08/30/07	08/27/07	09:28	8/27/2007 15:24

Client ID:	SW-2	Lab ID:	C711016-04	Sampled:	08/16/07 11:50	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07	09:17	9/4/2007 19:51
EPA 6020	02/12/08	08/28/07	12:56	9/6/2007 12:34
EPA 8260B	08/30/07	08/27/07	09:28	8/27/2007 15:51

Client ID:	SW-1	Lab ID:	C711016-05	Sampled:	08/16/07 12:00	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07	09:17	9/4/2007 20:18
EPA 6020	02/12/08	08/28/07	12:56	9/6/2007 12:37
EPA 8260B	08/30/07	08/27/07	09:28	8/27/2007 16:18

Client ID:	MW-8	Lab ID:	C711016-06	Sampled:	08/16/07 12:25	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07	09:17	9/4/2007 20:25
EPA 6020	02/12/08	08/28/07	12:56	9/6/2007 12:39
EPA 8260B	08/30/07	08/27/07	09:28	8/27/2007 16:45

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Client ID: MW-7	Lab ID: C711016-07	Sampled: 08/16/07 12:50	Received: 08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07 09:17	9/4/2007 20:31
EPA 6020	02/12/08	08/28/07 12:56	9/6/2007 12:42
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 17:12

Client ID: MW-6	Lab ID: C711016-08	Sampled: 08/16/07 13:50	Received: 08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07 09:17	9/4/2007 20:37
EPA 6020	02/12/08	08/28/07 12:56	9/6/2007 12:44
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 17:39

Client ID: MW-1	Lab ID: C711016-09	Sampled: 08/16/07 14:25	Received: 08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07 09:17	9/4/2007 20:44
EPA 6020	02/12/08	08/28/07 12:56	9/6/2007 12:47
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 18:32

Client ID: MW-5D	Lab ID: C711016-10	Sampled: 08/16/07 15:00	Received: 08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07 09:17	9/4/2007 20:51
EPA 6020	02/12/08	08/28/07 12:56	9/6/2007 12:54
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 19:01

Client ID: MW-5S	Lab ID: C711016-11	Sampled: 08/16/07 15:40	Received: 08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	02/12/08	09/04/07 09:17	9/4/2007 20:58
EPA 6020	02/12/08	08/28/07 12:56	9/6/2007 12:57
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 19:31

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-2 MS/MSD **Lab ID:** C711016-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.91	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	7.4		1	0.15	1.0	1	ug/L	EPA 8260B	
2-Butanone	3.2	J	1	0.56	5.0	100	ug/L	EPA 8260B	
2-Hexanone	3.0	J	1	0.24	5.0	50	ug/L	EPA 8260B	
Acetone	9.8	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	273		1	1	10	100	ug/L	EPA 6010B	
Benzene	1.9		1	0.12	1.0	1	ug/L	EPA 8260B	
Cadmium	0.7	J	1	0.5	1.0	1	ug/L	EPA 6010B	
Carbon disulfide	8.4	J	1	0.12	5.0	100	ug/L	EPA 8260B	
Chlorobenzene	2.2	J	1	0.16	1.0	3	ug/L	EPA 8260B	
Chromium	6.7	J	1	3.0	10.0	10	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	1.9	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	119		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	8	J	1	3	10	10	ug/L	EPA 6010B	
Ethylbenzene	5.0		1	0.17	1.0	1	ug/L	EPA 8260B	
Lead	17		1	2	10	10	ug/L	EPA 6010B	
m,p-Xylenes	9.0		1	0.21	2.0	NE	ug/L	EPA 8260B	
Methylene chloride	2.3		1	0.088	2.0	1	ug/L	EPA 8260B	
Nickel	6	J	1	2	50	50	ug/L	EPA 6010B	
o-Xylene	3.2		1	0.14	1.0	NE	ug/L	EPA 8260B	
Selenium	8	J	1	2	10	10	ug/L	EPA 6010B	
Thallium	0.054	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Toluene	14		1	0.15	1.0	1	ug/L	EPA 8260B	
Trichloroethene	1.1		1	0.23	1.0	1	ug/L	EPA 8260B	
Vanadium	9.1	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	35		1	3	20	10	ug/L	EPA 6010B	

Client ID: MW-4 **Lab ID:** C711016-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichloropropane	0.34	J	1	0.18	1.0	1	ug/L	EPA 8260B	
Barium	20	J	1	1	10	100	ug/L	EPA 6010B	
Benzene	0.57	J	1	0.12	1.0	1	ug/L	EPA 8260B	
Cobalt	4.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Ethylbenzene	0.38	J	1	0.17	1.0	1	ug/L	EPA 8260B	
m,p-Xylenes	0.61		1	0.21	2.0	NE	ug/L	EPA 8260B	
Thallium	0.083	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Toluene	0.49	J	1	0.15	1.0	1	ug/L	EPA 8260B	

Client ID: MW-3 **Lab ID:** C711016-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.0	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.56	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Arsenic	8.7	J	1	4.0	10.0	10	ug/L	EPA 6010B	
Barium	307		1	1	10	100	ug/L	EPA 6010B	
Beryllium	2.2		1	0.7	1.0	1	ug/L	EPA 6010B	
Cadmium	0.6	J	1	0.5	1.0	1	ug/L	EPA 6010B	
Chromium	56.8		1	3.0	10.0	10	ug/L	EPA 6010B	
Cobalt	34.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	46		1	3	10	10	ug/L	EPA 6010B	

Client ID: MW-3 **Lab ID:** C711016-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Lead	34		1	2	10	10	ug/L	EPA 6010B	
Nickel	33	J	1	2	50	50	ug/L	EPA 6010B	
Thallium	0.492	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	64.2		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	163		1	3	20	10	ug/L	EPA 6010B	

Client ID: SW-2 **Lab ID:** C711016-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	46	J	1	1	10	100	ug/L	EPA 6010B	

Client ID: SW-1 **Lab ID:** C711016-05

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	48	J	1	1	10	100	ug/L	EPA 6010B	
Zinc	3		1	3	20	10	ug/L	EPA 6010B	

Client ID: MW-8 **Lab ID:** C711016-06

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	8.2	J	1	4.0	10.0	10	ug/L	EPA 6010B	
Barium	395		1	1	10	100	ug/L	EPA 6010B	
Beryllium	2.5		1	0.7	1.0	1	ug/L	EPA 6010B	
Chromium	17.7		1	3.0	10.0	10	ug/L	EPA 6010B	
Cobalt	9.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	12		1	3	10	10	ug/L	EPA 6010B	
Lead	19		1	2	10	10	ug/L	EPA 6010B	
Nickel	15	J	1	2	50	50	ug/L	EPA 6010B	
Thallium	0.230	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	20.6	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	84		1	3	20	10	ug/L	EPA 6010B	

Client ID: MW-7 **Lab ID:** C711016-07

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	5.7	J	1	4.0	10.0	10	ug/L	EPA 6010B	
Barium	159		1	1	10	100	ug/L	EPA 6010B	
Beryllium	1.4		1	0.7	1.0	1	ug/L	EPA 6010B	
Cadmium	0.6	J	1	0.5	1.0	1	ug/L	EPA 6010B	
Chromium	13.2		1	3.0	10.0	10	ug/L	EPA 6010B	
Cobalt	6.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	16		1	3	10	10	ug/L	EPA 6010B	
Lead	11		1	2	10	10	ug/L	EPA 6010B	
Nickel	8	J	1	2	50	50	ug/L	EPA 6010B	
Thallium	0.302	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	13.4	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	52		1	3	20	10	ug/L	EPA 6010B	

Client ID: MW-6 **Lab ID:** C711016-08

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	16	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	28	J	1	1	10	100	ug/L	EPA 6010B	
Thallium	0.053	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Toluene	0.35	J	1	0.15	1.0	1	ug/L	EPA 8260B	

Client ID: MW-1 **Lab ID:** C711016-09

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	480		1	1	10	100	ug/L	EPA 6010B	
Beryllium	1.1		1	0.7	1.0	1	ug/L	EPA 6010B	
Cadmium	1.3		1	0.5	1.0	1	ug/L	EPA 6010B	
Chromium	79.7		1	3.0	10.0	10	ug/L	EPA 6010B	
Cobalt	27.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	49		1	3	10	10	ug/L	EPA 6010B	
Lead	10		1	2	10	10	ug/L	EPA 6010B	
Nickel	54		1	2	50	50	ug/L	EPA 6010B	
Selenium	5	J	1	2	10	10	ug/L	EPA 6010B	
Thallium	0.269	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Trichlorofluoromethane	0.50	J	1	0.16	1.0	1	ug/L	EPA 8260B	
Vanadium	116		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	92		1	3	20	10	ug/L	EPA 6010B	

Client ID: MW-5D **Lab ID:** C711016-10

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	29	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	12	J	1	1	10	100	ug/L	EPA 6010B	
Carbon disulfide	7.4	J	1	0.12	5.0	100	ug/L	EPA 8260B	
Vanadium	2.0	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	4	J	1	3	20	10	ug/L	EPA 6010B	

Client ID: MW-5S **Lab ID:** C711016-11

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.77	J	1	0.090	1.0	5	ug/L	EPA 8260B	
Barium	68	J	1	1	10	100	ug/L	EPA 6010B	
Toluene	0.34	J	1	0.15	1.0	1	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

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

Lab Sample ID: C711016-01
Sampled: 08/16/07 16:10
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 13:36	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 13:36	jkg	
1,1-Dichloroethane [75-34-3] *	**0.91**	J	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 13:36	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 13:36	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 13:36	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
1,4-Dichlorobenzene [106-46-7] *	**7.4**		ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
2-Butanone [78-93-3] *	**3.2**	J	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 13:36	jkg	
2-Hexanone [591-78-6] *	**3.0**	J	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 13:36	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 13:36	jkg	
Acetone [67-64-1] *	**9.8**	J	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 13:36	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 13:36	jkg	
Benzene [71-43-2] *	**1.9**		ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 13:36	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 13:36	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 13:36	jkg	
Carbon disulfide [75-15-0] *	**8.4**	J	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 13:36	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Chlorobenzene [108-90-7] *	**2.2**	J	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 13:36	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 13:36	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 13:36	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**1.9**	J	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 13:36	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 13:36	jkg	
Ethylbenzene [100-41-4] *	**5.0**		ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 13:36	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	**9.0**		ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 13:36	jkg	
Methylene chloride [75-09-2] *	**2.3**		ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 13:36	jkg	
o-Xylene [95-47-6] *	**3.2**		ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 13:36	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Toluene [108-88-3] *	**14**		ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 13:36	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 13:36	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 13:36	jkg	
Trichloroethene [79-01-6] *	**1.1**		ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 13:36	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 13:36	jkg	

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Description:	MW-2 MS/MSD	**Lab Sample ID:**	C711016-01	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 16:10	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	08/27/07 13:36	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 13:36	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 13:36*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 13:36*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 13:36*	*jkg*	

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Description:	MW-2 MS/MSD	**Lab Sample ID:**	C711016-01	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 16:10	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:17	JFL	
Thallium [7440-28-0] *	**0.054**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:17	JFL	

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

Lab Sample ID: C711016-01
Sampled: 08/16/07 16:10
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 19:32	ACV	
Barium [7440-39-3] *	**273**		ug/L	1	1	10	100	EPA 6010B	09/04/07 19:32	ACV	
Beryllium [7440-41-7] *	0.7	U	ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 19:32	ACV	
Cadmium [7440-43-9] *	**0.7**	J	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 19:32	ACV	
Chromium [7440-47-3] *	**6.7**	J	ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 19:32	ACV	
Cobalt [7440-48-4] *	**119**		ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 19:32	ACV	
Copper [7440-50-8] *	**8**	J	ug/L	1	3	10	10	EPA 6010B	09/04/07 19:32	ACV	
Lead [7439-92-1] *	**17**		ug/L	1	2	10	10	EPA 6010B	09/04/07 19:32	ACV	
Nickel [7440-02-0] *	**6**	J	ug/L	1	2	50	50	EPA 6010B	09/04/07 19:32	ACV	
Selenium [7782-49-2] *	**8**	J	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:32	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:32	ACV	
Vanadium [7440-62-2] *	**9.1**	J	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 19:32	ACV	
Zinc [7440-66-6] *	**35**		ug/L	1	3	20	10	EPA 6010B	09/04/07 19:32	ACV	

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

Lab Sample ID: C711016-02
Sampled: 08/16/07 11:00
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 14:57	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 14:57	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 14:57	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 14:57	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 14:57	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
1,2-Dichloropropane [78-87-5] *	**0.34**	J	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 14:57	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 14:57	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 14:57	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 14:57	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 14:57	jkg	
Benzene [71-43-2] *	**0.57**	J	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 14:57	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 14:57	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 14:57	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 14:57	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 14:57	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 14:57	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 14:57	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 14:57	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 14:57	jkg	
Ethylbenzene [100-41-4] *	**0.38**	J	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 14:57	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	**0.61**		ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 14:57	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 14:57	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 14:57	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Toluene [108-88-3] *	**0.49**	J	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 14:57	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 14:57	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 14:57	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 14:57	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 14:57	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 14:57	jkg	

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Description:	MW-4	**Lab Sample ID:**	C711016-02	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*43*	*1*	*50.0*	*85 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 14:57*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 14:57*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 14:57*	*jkg*	

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Description:	MW-4	**Lab Sample ID:**	C711016-02	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:30	JFL	
Thallium [7440-28-0] *	**0.083**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:30	JFL	

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

Lab Sample ID: C711016-02
Sampled: 08/16/07 11:00
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 19:39	ACV	
Barium [7440-39-3] *	**20**	J	ug/L	1	1	10	100	EPA 6010B	09/04/07 19:39	ACV	
Beryllium [7440-41-7] *	0.7	U	ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 19:39	ACV	
Cadmium [7440-43-9] *	0.5	U	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 19:39	ACV	
Chromium [7440-47-3] *	3.0	U	ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 19:39	ACV	
Cobalt [7440-48-4] *	**4.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 19:39	ACV	
Copper [7440-50-8] *	3	U	ug/L	1	3	10	10	EPA 6010B	09/04/07 19:39	ACV	
Lead [7439-92-1] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:39	ACV	
Nickel [7440-02-0] *	2	U	ug/L	1	2	50	50	EPA 6010B	09/04/07 19:39	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:39	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:39	ACV	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 19:39	ACV	
Zinc [7440-66-6] *	3	U	ug/L	1	3	20	10	EPA 6010B	09/04/07 19:39	ACV	

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

Lab Sample ID: C711016-03
Sampled: 08/16/07 11:40
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 15:24	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 15:24	jkg	
1,1-Dichloroethane [75-34-3] *	**1.0**	J	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 15:24	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 15:24	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 15:24	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
1,4-Dichlorobenzene [106-46-7] *	**0.56**	J	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 15:24	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 15:24	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 15:24	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 15:24	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 15:24	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 15:24	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 15:24	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 15:24	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 15:24	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 15:24	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 15:24	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 15:24	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 15:24	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 15:24	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 15:24	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 15:24	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 15:24	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 15:24	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 15:24	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 15:24	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 15:24	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 15:24	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 15:24	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 15:24	jkg	

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Description:	MW-3	**Lab Sample ID:**	C711016-03	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:40	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 15:24*	*jkg*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 15:24*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 15:24*	*jkg*	

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Description:	MW-3	**Lab Sample ID:**	C711016-03	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:40	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:32	JFL	
Thallium [7440-28-0] *	**0.492**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:32	JFL	

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Description:	MW-3	**Lab Sample ID:**	C711016-03	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:40	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	**8.7**	J	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 19:45	ACV	
Barium [7440-39-3] *	**307**		ug/L	1	1	10	100	EPA 6010B	09/04/07 19:45	ACV	
Beryllium [7440-41-7] *	**2.2**		ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 19:45	ACV	
Cadmium [7440-43-9] *	**0.6**	J	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 19:45	ACV	
Chromium [7440-47-3] *	**56.8**		ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 19:45	ACV	
Cobalt [7440-48-4] *	**34.3**		ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 19:45	ACV	
Copper [7440-50-8] *	**46**		ug/L	1	3	10	10	EPA 6010B	09/04/07 19:45	ACV	
Lead [7439-92-1] *	**34**		ug/L	1	2	10	10	EPA 6010B	09/04/07 19:45	ACV	
Nickel [7440-02-0] *	**33**	J	ug/L	1	2	50	50	EPA 6010B	09/04/07 19:45	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:45	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:45	ACV	
Vanadium [7440-62-2] *	**64.2**		ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 19:45	ACV	
Zinc [7440-66-6] *	**163**		ug/L	1	3	20	10	EPA 6010B	09/04/07 19:45	ACV	

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: C711016-04
Sampled: 08/16/07 11:50
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 15:51	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 15:51	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 15:51	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 15:51	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 15:51	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 15:51	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 15:51	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 15:51	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 15:51	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 15:51	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 15:51	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 15:51	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 15:51	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 15:51	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 15:51	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 15:51	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 15:51	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 15:51	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 15:51	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 15:51	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 15:51	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 15:51	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 15:51	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 15:51	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 15:51	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 15:51	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 15:51	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 15:51	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 15:51	jkg	

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Description:	SW-2	**Lab Sample ID:**	C711016-04	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 15:51*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*89 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 15:51*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 15:51*	*jkg*	

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Description:	SW-2	**Lab Sample ID:**	C711016-04	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:34	JFL	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:34	JFL	

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Description:	SW-2	**Lab Sample ID:**	C711016-04	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 11:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 19:51	ACV	
Barium [7440-39-3] *	**46**	J	ug/L	1	1	10	100	EPA 6010B	09/04/07 19:51	ACV	
Beryllium [7440-41-7] *	0.7	U	ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 19:51	ACV	
Cadmium [7440-43-9] *	0.5	U	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 19:51	ACV	
Chromium [7440-47-3] *	3.0	U	ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 19:51	ACV	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 19:51	ACV	
Copper [7440-50-8] *	3	U	ug/L	1	3	10	10	EPA 6010B	09/04/07 19:51	ACV	
Lead [7439-92-1] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:51	ACV	
Nickel [7440-02-0] *	2	U	ug/L	1	2	50	50	EPA 6010B	09/04/07 19:51	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:51	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 19:51	ACV	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 19:51	ACV	
Zinc [7440-66-6] *	3	U	ug/L	1	3	20	10	EPA 6010B	09/04/07 19:51	ACV	

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

Lab Sample ID: C711016-05
Sampled: 08/16/07 12:00
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 16:18	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 16:18	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 16:18	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 16:18	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 16:18	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 16:18	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 16:18	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 16:18	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 16:18	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 16:18	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 16:18	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 16:18	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 16:18	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 16:18	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 16:18	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 16:18	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 16:18	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 16:18	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 16:18	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 16:18	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 16:18	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 16:18	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 16:18	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 16:18	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 16:18	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 16:18	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 16:18	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 16:18	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 16:18	jkg	

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Description:	SW-1	**Lab Sample ID:**	C711016-05	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 12:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 16:18*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 16:18*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 16:18*	*jkg*	

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Description:	SW-1	**Lab Sample ID:**	C711016-05	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 12:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:37	JFL	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:37	JFL	

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Description:	SW-1	**Lab Sample ID:**	C711016-05	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 12:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 20:18	ACV	
Barium [7440-39-3] *	**48**	J	ug/L	1	1	10	100	EPA 6010B	09/04/07 20:18	ACV	
Beryllium [7440-41-7] *	0.7	U	ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 20:18	ACV	
Cadmium [7440-43-9] *	0.5	U	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 20:18	ACV	
Chromium [7440-47-3] *	3.0	U	ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 20:18	ACV	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 20:18	ACV	
Copper [7440-50-8] *	3	U	ug/L	1	3	10	10	EPA 6010B	09/04/07 20:18	ACV	
Lead [7439-92-1] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:18	ACV	
Nickel [7440-02-0] *	2	U	ug/L	1	2	50	50	EPA 6010B	09/04/07 20:18	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:18	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:18	ACV	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 20:18	ACV	
Zinc [7440-66-6] *	**3**	J	ug/L	1	3	20	10	EPA 6010B	09/04/07 20:18	ACV	

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

Lab Sample ID: C711016-06
Sampled: 08/16/07 12:25
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 16:45	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 16:45	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 16:45	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 16:45	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 16:45	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 16:45	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 16:45	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 16:45	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 16:45	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 16:45	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 16:45	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 16:45	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 16:45	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 16:45	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 16:45	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 16:45	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 16:45	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 16:45	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 16:45	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 16:45	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 16:45	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 16:45	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 16:45	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 16:45	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 16:45	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 16:45	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 16:45	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 16:45	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 16:45	jkg	

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Description:	MW-8	**Lab Sample ID:**	C711016-06	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 12:25	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 16:45*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 16:45*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 16:45*	*jkg*	

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Description:	MW-8	**Lab Sample ID:**	C711016-06	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 12:25	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:39	JFL	
Thallium [7440-28-0] *	**0.230**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:39	JFL	

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

Lab Sample ID: C711016-06
Sampled: 08/16/07 12:25
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	**8.2**	J	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 20:25	ACV	
Barium [7440-39-3] *	**395**		ug/L	1	1	10	100	EPA 6010B	09/04/07 20:25	ACV	
Beryllium [7440-41-7] *	**2.5**		ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 20:25	ACV	
Cadmium [7440-43-9] *	0.5	U	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 20:25	ACV	
Chromium [7440-47-3] *	**17.7**		ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 20:25	ACV	
Cobalt [7440-48-4] *	**9.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 20:25	ACV	
Copper [7440-50-8] *	**12**		ug/L	1	3	10	10	EPA 6010B	09/04/07 20:25	ACV	
Lead [7439-92-1] *	**19**		ug/L	1	2	10	10	EPA 6010B	09/04/07 20:25	ACV	
Nickel [7440-02-0] *	**15**	J	ug/L	1	2	50	50	EPA 6010B	09/04/07 20:25	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:25	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:25	ACV	
Vanadium [7440-62-2] *	**20.6**	J	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 20:25	ACV	
Zinc [7440-66-6] *	**84**		ug/L	1	3	20	10	EPA 6010B	09/04/07 20:25	ACV	

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

Lab Sample ID: C711016-07
Sampled: 08/16/07 12:50
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 17:12	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 17:12	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 17:12	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 17:12	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 17:12	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 17:12	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 17:12	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 17:12	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 17:12	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 17:12	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 17:12	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 17:12	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 17:12	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 17:12	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 17:12	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 17:12	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 17:12	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 17:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 17:12	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 17:12	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 17:12	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 17:12	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 17:12	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 17:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 17:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 17:12	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 17:12	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 17:12	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 17:12	jkg	

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Description:	MW-7	**Lab Sample ID:**	C711016-07	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 12:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 17:12*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 17:12*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 17:12*	*jkg*	

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Description:	MW-7	**Lab Sample ID:**	C711016-07	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 12:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:42	JFL	
Thallium [7440-28-0] *	**0.302**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:42	JFL	

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

Lab Sample ID: C711016-07
Sampled: 08/16/07 12:50
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	**5.7**	J	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 20:31	ACV	
Barium [7440-39-3] *	**159**		ug/L	1	1	10	100	EPA 6010B	09/04/07 20:31	ACV	
Beryllium [7440-41-7] *	**1.4**		ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 20:31	ACV	
Cadmium [7440-43-9] *	**0.6**	J	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 20:31	ACV	
Chromium [7440-47-3] *	**13.2**		ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 20:31	ACV	
Cobalt [7440-48-4] *	**6.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 20:31	ACV	
Copper [7440-50-8] *	**16**		ug/L	1	3	10	10	EPA 6010B	09/04/07 20:31	ACV	
Lead [7439-92-1] *	**11**		ug/L	1	2	10	10	EPA 6010B	09/04/07 20:31	ACV	
Nickel [7440-02-0] *	**8**	J	ug/L	1	2	50	50	EPA 6010B	09/04/07 20:31	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:31	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:31	ACV	
Vanadium [7440-62-2] *	**13.4**	J	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 20:31	ACV	
Zinc [7440-66-6] *	**52**		ug/L	1	3	20	10	EPA 6010B	09/04/07 20:31	ACV	

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

Lab Sample ID: C711016-08
Sampled: 08/16/07 13:50
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 17:39	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 17:39	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 17:39	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 17:39	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 17:39	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 17:39	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 17:39	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 17:39	jkg	
Acetone [67-64-1] *	**16**	J	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 17:39	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 17:39	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 17:39	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 17:39	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 17:39	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 17:39	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 17:39	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 17:39	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 17:39	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 17:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 17:39	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 17:39	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 17:39	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 17:39	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 17:39	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Toluene [108-88-3] *	**0.35**	J	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 17:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 17:39	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 17:39	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 17:39	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 17:39	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 17:39	jkg	

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Description:	MW-6	**Lab Sample ID:**	C711016-08	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 13:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 17:39*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*91 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 17:39*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*95 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 17:39*	*jkg*	

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Description:	MW-6	**Lab Sample ID:**	C711016-08	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 13:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:44	JFL	
Thallium [7440-28-0] *	**0.053**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:44	JFL	

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Description:	MW-6	**Lab Sample ID:**	C711016-08	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 13:50	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 20:37	ACV	
Barium [7440-39-3] *	**28**	J	ug/L	1	1	10	100	EPA 6010B	09/04/07 20:37	ACV	
Beryllium [7440-41-7] *	0.7	U	ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 20:37	ACV	
Cadmium [7440-43-9] *	0.5	U	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 20:37	ACV	
Chromium [7440-47-3] *	3.0	U	ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 20:37	ACV	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 20:37	ACV	
Copper [7440-50-8] *	3	U	ug/L	1	3	10	10	EPA 6010B	09/04/07 20:37	ACV	
Lead [7439-92-1] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:37	ACV	
Nickel [7440-02-0] *	2	U	ug/L	1	2	50	50	EPA 6010B	09/04/07 20:37	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:37	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:37	ACV	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 20:37	ACV	
Zinc [7440-66-6] *	3	U	ug/L	1	3	20	10	EPA 6010B	09/04/07 20:37	ACV	

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

Lab Sample ID: C711016-09
Sampled: 08/16/07 14:25
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 18:32	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 18:32	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 18:32	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 18:32	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 18:32	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 18:32	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 18:32	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 18:32	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 18:32	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 18:32	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 18:32	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 18:32	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 18:32	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 18:32	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 18:32	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 18:32	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 18:32	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 18:32	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 18:32	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 18:32	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 18:32	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 18:32	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 18:32	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 18:32	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 18:32	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 18:32	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Trichlorofluoromethane [75-69-4] *	**0.50**	J	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 18:32	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 18:32	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 18:32	jkg	

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Description:	MW-1	**Lab Sample ID:**	C711016-09	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 14:25	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 18:32*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 18:32*	*jkg*	
Toluene-d8	*50*	*1*	*50.0*	*100 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 18:32*	*jkg*	

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Description:	MW-1	**Lab Sample ID:**	C711016-09	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 14:25	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:47	JFL	
Thallium [7440-28-0] *	**0.269**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:47	JFL	

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Description:	MW-1	**Lab Sample ID:**	C711016-09	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 14:25	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 20:44	ACV	
Barium [7440-39-3] *	**480**		ug/L	1	1	10	100	EPA 6010B	09/04/07 20:44	ACV	
Beryllium [7440-41-7] *	**1.1**		ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 20:44	ACV	
Cadmium [7440-43-9] *	**1.3**		ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 20:44	ACV	
Chromium [7440-47-3] *	**79.7**		ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 20:44	ACV	
Cobalt [7440-48-4] *	**27.2**		ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 20:44	ACV	
Copper [7440-50-8] *	**49**		ug/L	1	3	10	10	EPA 6010B	09/04/07 20:44	ACV	
Lead [7439-92-1] *	**10**		ug/L	1	2	10	10	EPA 6010B	09/04/07 20:44	ACV	
Nickel [7440-02-0] *	**54**		ug/L	1	2	50	50	EPA 6010B	09/04/07 20:44	ACV	
Selenium [7782-49-2] *	**5**	J	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:44	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:44	ACV	
Vanadium [7440-62-2] *	**116**		ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 20:44	ACV	
Zinc [7440-66-6] *	**92**		ug/L	1	3	20	10	EPA 6010B	09/04/07 20:44	ACV	

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

Lab Sample ID: C711016-10
Sampled: 08/16/07 15:00
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 19:01	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 19:01	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 19:01	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 19:01	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 19:01	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 19:01	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 19:01	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 19:01	jkg	
Acetone [67-64-1] *	**29**	J	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 19:01	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 19:01	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 19:01	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 19:01	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 19:01	jkg	
Carbon disulfide [75-15-0] *	**7.4**	J	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 19:01	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 19:01	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 19:01	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 19:01	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 19:01	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 19:01	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 19:01	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 19:01	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 19:01	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 19:01	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 19:01	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 19:01	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 19:01	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 19:01	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 19:01	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 19:01	jkg	

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Description:	MW-5D	**Lab Sample ID:**	C711016-10	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 15:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 19:01*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 19:01*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 19:01*	*jkg*	

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Description:	MW-5D	**Lab Sample ID:**	C711016-10	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 15:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:54	JFL	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:54	JFL	

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Description:	MW-5D	**Lab Sample ID:**	C711016-10	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 15:00	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 20:51	ACV	
Barium [7440-39-3] *	**12**	J	ug/L	1	1	10	100	EPA 6010B	09/04/07 20:51	ACV	
Beryllium [7440-41-7] *	0.7	U	ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 20:51	ACV	
Cadmium [7440-43-9] *	0.5	U	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 20:51	ACV	
Chromium [7440-47-3] *	3.0	U	ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 20:51	ACV	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 20:51	ACV	
Copper [7440-50-8] *	3	U	ug/L	1	3	10	10	EPA 6010B	09/04/07 20:51	ACV	
Lead [7439-92-1] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:51	ACV	
Nickel [7440-02-0] *	2	U	ug/L	1	2	50	50	EPA 6010B	09/04/07 20:51	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:51	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:51	ACV	
Vanadium [7440-62-2] *	**2.0**	J	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 20:51	ACV	
Zinc [7440-66-6] *	**4**	J	ug/L	1	3	20	10	EPA 6010B	09/04/07 20:51	ACV	

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

Lab Sample ID: C711016-11
Sampled: 08/16/07 15:40
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711016

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	08/27/07 19:31	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 19:31	jkg	
1,1-Dichloroethane [75-34-3] *	**0.77**	J	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 19:31	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 19:31	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 19:31	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 19:31	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 19:31	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 19:31	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 19:31	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 19:31	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 19:31	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 19:31	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 19:31	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 19:31	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 19:31	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 19:31	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 19:31	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 19:31	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 19:31	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 19:31	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 19:31	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 19:31	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 19:31	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Toluene [108-88-3] *	**0.34**	J	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 19:31	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 19:31	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 19:31	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 19:31	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 19:31	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 19:31	jkg	

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Description:	MW-5S	**Lab Sample ID:**	C711016-11	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 15:40	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 19:31*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 19:31*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 19:31*	*jkg*	

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Description:	MW-5S	**Lab Sample ID:**	C711016-11	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 15:40	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan 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	09/06/07 12:57	JFL	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	0.050	5.5	EPA 6020	09/06/07 12:57	JFL	

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Description:	MW-5S	**Lab Sample ID:**	C711016-11	**Received:**	08/21/07 09:30
Matrix:	Ground Water	**Sampled:**	08/16/07 15:40	**Work Order:**	C711016
Project:	Yadkin New Closed LF	**Sampled By:**	Jonathan Pfohl		

Metals by EPA 6000/7000 Series Methods

** - ENCO Jacksonville certified analyte [NC 442]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	4.0	U	ug/L	1	4.0	10.0	10	EPA 6010B	09/04/07 20:58	ACV	
Barium [7440-39-3] *	**68**	J	ug/L	1	1	10	100	EPA 6010B	09/04/07 20:58	ACV	
Beryllium [7440-41-7] *	0.7	U	ug/L	1	0.7	1.0	1	EPA 6010B	09/04/07 20:58	ACV	
Cadmium [7440-43-9] *	0.5	U	ug/L	1	0.5	1.0	1	EPA 6010B	09/04/07 20:58	ACV	
Chromium [7440-47-3] *	3.0	U	ug/L	1	3.0	10.0	10	EPA 6010B	09/04/07 20:58	ACV	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	09/04/07 20:58	ACV	
Copper [7440-50-8] *	3	U	ug/L	1	3	10	10	EPA 6010B	09/04/07 20:58	ACV	
Lead [7439-92-1] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:58	ACV	
Nickel [7440-02-0] *	2	U	ug/L	1	2	50	50	EPA 6010B	09/04/07 20:58	ACV	
Selenium [7782-49-2] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:58	ACV	
Silver [7440-22-4] *	2	U	ug/L	1	2	10	10	EPA 6010B	09/04/07 20:58	ACV	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	09/04/07 20:58	ACV	
Zinc [7440-66-6] *	3	U	ug/L	1	3	20	10	EPA 6010B	09/04/07 20:58	ACV	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7H27006 - EPA 5030B_MS

Blank (7H27006-BLK1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 10:29

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	0.20	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							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7H27006 - EPA 5030B_MS

Blank (7H27006-BLK1) Continued Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 10:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*65-110*			
Surrogate: Toluene-d8	*49*			*ug/L*	*50.0*		*99*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*53-138*			

LCS (7H27006-BS1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 10:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0		74	43-131			
Benzene	22		1.0	ug/L	20.0		110	73-127			
Trichloroethene	22		1.0	ug/L	20.0		108	76-128			
Toluene	21		1.0	ug/L	20.0		104	71-112			
Chlorobenzene	21		1.0	ug/L	20.0		107	75-114			

Matrix Spike (7H27006-MS1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 11:24

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	6.6		1.0	ug/L	20.0	0.14 U	33	43-131			QM-05
Benzene	12		1.0	ug/L	20.0	1.9	49	73-127			QM-05
Trichloroethene	11		1.0	ug/L	20.0	1.1	48	76-128			QM-05
Toluene	22		1.0	ug/L	20.0	14	39	71-112			QM-05
Chlorobenzene	11		1.0	ug/L	20.0	2.2	45	75-114			QM-05

Matrix Spike Dup (7H27006-MSD1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 11:50

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	3.8		1.0	ug/L	20.0	0.14 U	19	43-131	53	16	QM-05
Benzene	8.3		1.0	ug/L	20.0	1.9	32	73-127	34	18	QM-05
Trichloroethene	7.0		1.0	ug/L	20.0	1.1	30	76-128	42	17	QM-05
Toluene	19		1.0	ug/L	20.0	14	26	71-112	12	23	QM-05
Chlorobenzene	8.0		1.0	ug/L	20.0	2.2	29	75-114	34	17	QM-05

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7H28015 - EPA 3005A

Blank (7H28015-BLK1) Prepared: 08/28/2007 12:56 Analyzed: 09/06/2007 12:12

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	0.050	ug/L							

LCS (7H28015-BS1) Prepared: 08/28/2007 12:56 Analyzed: 09/06/2007 12:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.02		0.002	mg/L	0.0250		94	85-115			
Thallium	0.025		0.00005	mg/L	0.0250		100	85-115			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7H28015 - EPA 3005A

Matrix Spike (7H28015-MS1) Prepared: 08/28/2007 12:56 Analyzed: 09/06/2007 12:25

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.01		0.002	mg/L	0.0250	0.0001	58	85-115			QM-05
Thallium	0.025		0.00005	mg/L	0.0250	0.00005	100	85-115			

Matrix Spike Dup (7H28015-MSD1) Prepared: 08/28/2007 12:56 Analyzed: 09/06/2007 12:27

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.02		0.002	mg/L	0.0250	0.0001	67	85-115	14	20	QM-05
Thallium	0.025		0.00005	mg/L	0.0250	0.00005	101	85-115	0.3	20	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I04002 - EPA 3005A

Blank (7I04002-BLK1) Prepared: 09/04/2007 09:17 Analyzed: 09/04/2007 18:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	4.0	U	10.0	ug/L							
Barium	1	U	10	ug/L							
Beryllium	0.7	U	1.0	ug/L							
Cadmium	0.5	U	1.0	ug/L							
Chromium	3.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	3	U	10	ug/L							
Lead	2	U	10	ug/L							
Nickel	2	U	50	ug/L							
Selenium	2	U	10	ug/L							
Silver	2	U	10	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	3	U	20	ug/L							

LCS (7I04002-BS1) Prepared: 09/04/2007 09:17 Analyzed: 09/04/2007 18:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1020		10.0	ug/L	1000		102	85-120			
Barium	1000		10	ug/L	1000		100	80-120			
Beryllium	510		1.0	ug/L	500		102	91-114			
Cadmium	504		1.0	ug/L	500		101	85-115			
Chromium	1010		10.0	ug/L	1000		101	89-120			
Cobalt	1020		10.0	ug/L	1000		102	58-150			
Copper	515		10	ug/L	500		103	88-112			
Lead	1000		10	ug/L	1000		100	82-117			
Nickel	1010		50	ug/L	1000		101	88-111			
Selenium	1040		10	ug/L	1000		104	83-118			
Silver	102		10	ug/L	100		102	51-144			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I04002 - EPA 3005A

LCS (7I04002-BS1) Continued Prepared: 09/04/2007 09:17 Analyzed: 09/04/2007 18:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	513		10.0	ug/L	500		103	91-110			
Zinc	1010		20	ug/L	1000		101	88-114			

Matrix Spike (7I04002-MS1) Prepared: 09/04/2007 09:17 Analyzed: 09/04/2007 19:04

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1030		10.0	ug/L	1000	4.0 U	103	64-126			
Barium	1270		10	ug/L	1000	273	99	74-119			
Beryllium	514		1.0	ug/L	500	0.7 U	103	70-131			
Cadmium	501		1.0	ug/L	500	0.653	100	68-121			
Chromium	1020		10.0	ug/L	1000	6.75	101	73-120			
Cobalt	1130		10.0	ug/L	1000	119	101	76-120			
Copper	526		10	ug/L	500	8.10	104	75-123			
Lead	1020		10	ug/L	1000	16.8	100	68-126			
Nickel	1020		50	ug/L	1000	6.14	101	64-126			
Selenium	1050		10	ug/L	1000	7.99	104	65-129			
Silver	98.3		10	ug/L	100	2 U	98	69-121			
Vanadium	525		10.0	ug/L	500	9.09	103	71-130			
Zinc	1030		20	ug/L	1000	35.1	100	63-131			

Matrix Spike Dup (7I04002-MSD1) Prepared: 09/04/2007 09:17 Analyzed: 09/04/2007 19:11

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1020		10.0	ug/L	1000	4.0 U	102	64-126	0.6	12	
Barium	1250		10	ug/L	1000	273	98	74-119	1	11	
Beryllium	511		1.0	ug/L	500	0.7 U	102	70-131	0.5	21	
Cadmium	498		1.0	ug/L	500	0.653	99	68-121	0.7	12	
Chromium	1010		10.0	ug/L	1000	6.75	100	73-120	0.8	10	
Cobalt	1120		10.0	ug/L	1000	119	100	76-120	0.7	17	
Copper	522		10	ug/L	500	8.10	103	75-123	0.7	11	
Lead	1010		10	ug/L	1000	16.8	99	68-126	0.7	19	
Nickel	1010		50	ug/L	1000	6.14	101	64-126	0.6	12	
Selenium	1050		10	ug/L	1000	7.99	104	65-129	0.09	10	
Silver	98.0		10	ug/L	100	2 U	98	69-121	0.4	12	
Vanadium	520		10.0	ug/L	500	9.09	102	71-130	0.9	16	
Zinc	1020		20	ug/L	1000	35.1	99	63-131	1	24	

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-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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: G07017.0
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): Jon Pfohl MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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

Lab Workorder: C711016

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

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,Sb,Se,Tl,V,Zn									Sample Comments
	MW-2 MS/MSD	8/16/07	4:10	Grab	Water	7	X	X									
	MW-4		11:00		Water	4	X	X									
	MW-3		11:40		Water	4	X	X									
	~~MW~~ SW-2		11:50		Water	4	X	X									
	~~MW~~ SW-1		12:00		Water	4	X	X									
	MW-8		12:35		Water	4	X	X									
	MW-7		12:50		Water	4	X	X									
	MW-6		1:50		Water	4	X	X									
	MW-1		2:25		Water	4	X	X									
	MW-5D		3:00		Water	4	X	X									
	MW-5S		3:40		Water	4	X	X									
	MW-				Water	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By: CARY	Date/Time: 7/27/07 1315	Relinquished By:	Date/Time: 8/21/07 9:30	Received By:	Date/Time:
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time: 8/21/07 9:30
		Cooler #'s & Temps on Receipt: C-189 5.9°C		Condition Upon Receipt: X 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

Tuesday, August 28, 2007

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G07017.0, Project Name/Desc: Yadkin Co LF - Blks
ENCO Workorder: C711011

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, August 21, 2007.

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 13.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	EB	Lab ID:	C711011-01	Sampled:	08/16/07 10:55	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 18:06

Client ID:	FB	Lab ID:	C711011-02	Sampled:	08/16/07 10:50	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 14:03

Client ID:	TB	Lab ID:	C711011-03	Sampled:	08/16/07 00:00	Received:	08/21/07 09:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	08/30/07	08/27/07 09:28	8/27/2007 12:43

SAMPLE DETECTION SUMMARY

No positive results detected.

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ANALYTICAL RESULTS

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

Lab Sample ID: C711011-01
Sampled: 08/16/07 10:55
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711011

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	08/27/07 18:06	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 18:06	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 18:06	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 18:06	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 18:06	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 18:06	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 18:06	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 18:06	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 18:06	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 18:06	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 18:06	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 18:06	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 18:06	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 18:06	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 18:06	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 18:06	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 18:06	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 18:06	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 18:06	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 18:06	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 18:06	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 18:06	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 18:06	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 18:06	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 18:06	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 18:06	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 18:06	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 18:06	jkg	

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Description:	EB	**Lab Sample ID:**	C711011-01	**Received:**	08/21/07 09:30
Matrix:	Water	**Sampled:**	08/16/07 10:55	**Work Order:**	C711011
Project:	Yadkin Co LF - Blks	**Sampled By:**	Jonathan 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	08/27/07 18:06	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 18:06	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 18:06*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 18:06*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 18:06*	*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: C711011-02
Sampled: 08/16/07 10:50
Sampled By: Jonathan Pfohl

Received: 08/21/07 09:30
Work Order: C711011

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	08/27/07 14:03	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 14:03	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 14:03	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 14:03	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 14:03	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 14:03	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 14:03	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 14:03	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 14:03	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 14:03	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 14:03	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 14:03	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 14:03	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 14:03	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 14:03	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 14:03	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 14:03	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 14:03	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 14:03	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 14:03	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 14:03	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 14:03	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 14:03	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 14:03	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 14:03	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 14:03	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 14:03	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 14:03	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 14:03	jkg	

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Description:	FB	**Lab Sample ID:**	C711011-02	**Received:**	08/21/07 09:30
Matrix:	Water	**Sampled:**	08/16/07 10:50	**Work Order:**	C711011
Project:	Yadkin Co LF - Blks	**Sampled By:**	Jonathan 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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 14:03*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 14:03*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 14:03*	*jkg*	

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

Lab Sample ID: C711011-03
Sampled: 08/16/07 00:00
Sampled By:

Received: 08/21/07 09:30
Work Order: C711011

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	08/27/07 12:43	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	08/27/07 12:43	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	08/27/07 12:43	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 12:43	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	08/27/07 12:43	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	08/27/07 12:43	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	08/27/07 12:43	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	08/27/07 12:43	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	08/27/07 12:43	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	08/27/07 12:43	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	08/27/07 12:43	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	08/27/07 12:43	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	08/27/07 12:43	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	08/27/07 12:43	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	08/27/07 12:43	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	08/27/07 12:43	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	08/27/07 12:43	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	08/27/07 12:43	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	08/27/07 12:43	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	08/27/07 12:43	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	08/27/07 12:43	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	08/27/07 12:43	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	08/27/07 12:43	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	08/27/07 12:43	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	08/27/07 12:43	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	08/27/07 12:43	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	08/27/07 12:43	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	08/27/07 12:43	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	08/27/07 12:43	jkg	

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Description:	TB	**Lab Sample ID:**	C711011-03	**Received:**	08/21/07 09:30
Matrix:	Water	**Sampled:**	08/16/07 00:00	**Work Order:**	C711011
Project:	Yadkin Co LF - Blks	**Sampled By:**			

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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*53-138*	*7H27006*	*EPA 8260B*	*08/27/07 12:43*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*65-110*	*7H27006*	*EPA 8260B*	*08/27/07 12:43*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*72-114*	*7H27006*	*EPA 8260B*	*08/27/07 12:43*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7H27006 - EPA 5030B_MS

Blank (7H27006-BLK1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 10:29

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	0.20	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							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7H27006 - EPA 5030B_MS

Blank (7H27006-BLK1) Continued Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 10:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*65-110*			
Surrogate: Toluene-d8	*49*			*ug/L*	*50.0*		*99*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*53-138*			

LCS (7H27006-BS1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 10:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0		74	43-131			
Benzene	22		1.0	ug/L	20.0		110	73-127			
Trichloroethene	22		1.0	ug/L	20.0		108	76-128			
Toluene	21		1.0	ug/L	20.0		104	71-112			
Chlorobenzene	21		1.0	ug/L	20.0		107	75-114			

Matrix Spike (7H27006-MS1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 11:24

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	6.6		1.0	ug/L	20.0	0.14 U	33	43-131			QM-05
Benzene	12		1.0	ug/L	20.0	1.9	49	73-127			QM-05
Trichloroethene	11		1.0	ug/L	20.0	1.1	48	76-128			QM-05
Toluene	22		1.0	ug/L	20.0	14	39	71-112			QM-05
Chlorobenzene	11		1.0	ug/L	20.0	2.2	45	75-114			QM-05

Matrix Spike Dup (7H27006-MSD1) Prepared: 08/27/2007 09:28 Analyzed: 08/27/2007 11:50

Source: C711016-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	3.8		1.0	ug/L	20.0	0.14 U	19	43-131	53	16	QM-05
Benzene	8.3		1.0	ug/L	20.0	1.9	32	73-127	34	18	QM-05
Trichloroethene	7.0		1.0	ug/L	20.0	1.1	30	76-128	42	17	QM-05
Toluene	19		1.0	ug/L	20.0	14	26	71-112	12	23	QM-05
Chlorobenzene	8.0		1.0	ug/L	20.0	2.2	29	75-114	34	17	QM-05

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-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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: G07017.0
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): J. Pfohl, MESCO	Billing Contact: Accounts Payable
Sampler(s) 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: C711011

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	EB	8/16/07	10:55	Grab	Water	3	X	
	FB	↓	10:50	↓	Water	3	X	
	TB	↓	ENCO Filled		Water	3	X	

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	7/27/07 1230	8/21/07 9:30			
Relinquished By			Date/Time	Received By	Date/Time
Relinquished By			Date/Time	Received By	Date/Time 8/21/07 9:30

Comments: WalMart - Great Value Distilled H_2O & Disposable Bulb for EB & FB
TB - Filled By ENCO - Large Bubbles

Cooler #'s & Temps on Receipt: C-189 5.9°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

Preservation: H-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.