Semi-Annual Groundwater Sampling and Analysis Report

Prepared for

Yadkin County Old Closed Landfill
Yadkinville, North Carolina

February, 2007

Permit Number: 99-01
MESCO Project Number: G07018.0

Completed on May 28, 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.

May 28, 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 Old Closed MSWLF
Permit No. 99-01
MESCO Project No. G07018.0

Dear Ms. Drummond:

Municipal Engineering Services Company, P.A. (MESCO), sampled the Yadkin County Old Closed unlined MSWLF for the Appendix I list of constituents on February 8, 2007. This sampling event was completed as part of the semi annual assessment monitoring program and included monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-8D, MW-9, MW-10, and PZ-2, surface water locations SW-1, SW-2, SW-3, SW-4 and private supply wells Collins, D. Caudle, R. Caudle, Hobson, Hutchins, and Spicer. Surface water sites SW-5, and SW-6 were dry during this sampling event therefore not sampled. Environmental Conservation Laboratories, Inc. (ENCO) of Cary, NC completed the laboratory analysis. All detected constituents were analyzed for regulatory exceedance with reference to North Carolina Groundwater Standards (NCGW2L) 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 Standard..

Table 1. Exceedance Summary (Metals & VOCs)

Well	1.2-DCA	PCE	Benzene	1.4-DCB	VC	DCM	TCE	1.2-DCP	Zinc
MW-3	x	x							
MW-6			x	x	x				
MW-7					x				
MW-8		x			x				
MW-8D		x	x	x	x	x			x
PZ-2			x		x				
SW-1								x	
SW-2								x	
SW-3								x	
SW-4		x		x	x		x	x	
D. CAUDLE									x

x=concentration greater than Standard

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Low levels of metals continue to be detected within some of the monitoring locations but all of the concentrations remain below the NCGW2L standard with the exception of zinc within the supply well serving the D. Caudle residence. All of the detected metals were found within their respective historical identifiable levels. The supply well utilized by the D. Caudle residence has continuously contained zinc since sampling was initiated in 1999 with concentrations found above the groundwater standard for the third time during this event. However, concentrations of zinc within the supply well are below the secondary maximum contaminant levels (SMCLs) for drinking water. The presence of zinc within the supply well is likely not attributed to leachate originating from the landfill due to the supply well being located upgradient of the closed landfill. Rather the origin of the zinc is likely related to the plumbing specifically the zinc contained in the hose spigot from which the sample was obtained not from leachate contamination.

Volatile Organic Compounds (VOCs) were detected within all of the surface waters and all of the monitoring wells with the exception of MW-2, MW-4, MW-10 and the background well MW-1. VOCs were absent from water samples obtained from all of the residential supply wells. The increase in the prevalence of VOCs detected during this event is a product of the reduction in detection limits and should not be misconstrued as evidence of a recent leachate release.

Downgradient well MW-3 continues to contain concentrations of the parent VOC PCE and it's common byproduct 1,2-DCE above the Standard. The VOC concentrations within MW-3 were found within their historical identifiable range and at the lowest levels since 2004.

Chlorinated hydrocarbons and purgeable aromatics continue to migrate in an easterly direction from the waste boundary. VOC detections from sample locations within the drainage monitored by the cluster pair MW-8, MW-8D and surface water SW-4 indicate that both the shallow and deeper aquifer have been impacted. The VOCs in this region appear to be more concentrated in the rock than in the regolith. None of the VOCs were found in quantifiable concentrations within the regolith monitored by MW-8. However MW-8D screened in rock was found to contain 9 VOCs above the SWSL including 6 in exceedance of the Standard.

Shallow monitoring wells PZ-2 and MW-7, located upgradient and closer to the waste boundary than MW-8/D, was found to contain lower concentrations of chlorinated hydrocarbons and purgeable aromatics than found further downgradient. This indicates that the plume has migrated horizontally and vertically into the draw and conditions should continue to improve through natural attenuation.

MESCO completed the groundwater report including detection scans, a plate depicting sample locations and potentiometric surface, time series graphs, field data sheet, laboratory results, and chain of custody sheets. The Yadkin County Old Closed Sanitary Landfill is scheduled to be sampled again in August 2007. If you have any questions or comments regarding this report, please contact me by phone at (919) 772-5393 or by email at jpfohl@mesco.com

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

Jonathan Pfohl
Environmental Specialist

Enclosures

cc: Ms. Cheri Cranfill
Yadkin County

Detection Scan All Detections above SWSL and NCGW2L
Yadkin County Old Closed MSWLF

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
MW-1	Barium	2/9/2007	146	ug/L	0.2	100	2000	
MW-1	Cobalt	2/9/2007	17.5	ug/L	2	10		
MW-1	Vanadium	2/9/2007	30.7	ug/L	1	25		
MW-1	Zinc	2/9/2007	52.8	ug/L	1	10	1050	
MW-2	Barium	2/9/2007	333	ug/L	0.2	100	2000	
MW-2	Cobalt	2/9/2007	88.4	ug/L	2	10		
MW-2	Zinc	2/9/2007	41.2	ug/L	1	10	1050	
MW-3	**1,2-Dichloroethane**	**2/9/2007**	**6.4**	**ug/L**	**0.36**	**1**	**0.38**	**6.02**
MW-3	**Tetrachloroethene**	**2/9/2007**	**3.1**	**ug/L**	**0.25**	**1**	**0.7**	**2.4**
MW-3	Zinc	2/9/2007	11.1	ug/L	1	10	1050	
MW-4	Barium	2/9/2007	178	ug/L	0.2	100	2000	
MW-4	Cobalt	2/9/2007	15.1	ug/L	2	10		
MW-4	Zinc	2/9/2007	31.9	ug/L	1	10	1050	
MW-5	Barium	2/9/2007	149	ug/L	0.2	100	2000	
MW-5	Chromium	2/9/2007	14.8	ug/L	2	10	50	
MW-5	Lead	2/9/2007	13.4	ug/L	2	10	15	
MW-5	Vanadium	2/9/2007	58.2	ug/L	1	25		
MW-5	Zinc	2/9/2007	32.9	ug/L	1	10	1050	
MW-6	**1,4-Dichlorobenzene**	**2/9/2007**	**3.1**	**ug/L**	**0.15**	**1**	**1.4**	**1.7**
MW-6	**Benzene**	**2/9/2007**	**1.1**	**ug/L**	**0.12**	**1**	**1**	**0.1**
MW-6	Cobalt	2/9/2007	78.3	ug/L	2	10		
MW-6	**Vinyl chloride**	**2/9/2007**	**0.78**	**ug/L**	**0.15**	**1**	**0.02**	**0.77**
MW-7	Barium	2/9/2007	436	ug/L	0.2	100	2000	
MW-7	Cobalt	2/9/2007	24.8	ug/L	2	10		
MW-7	**Vinyl chloride**	**2/9/2007**	**1.1**	**ug/L**	**0.15**	**1**	**0.02**	**1.09**
MW-8	Barium	2/8/2007	239	ug/L	0.2	100	2000	
MW-8	**Tetrachloroethene**	**2/8/2007**	**0.92**	**ug/L**	**0.25**	**1**	**0.7**	**0.22**
MW-8	**Vinyl chloride**	**2/8/2007**	**0.35**	**ug/L**	**0.15**	**1**	**0.02**	**0.34**
MW-8D	**1,2-Dichloropropane**	**2/8/2007**	**2.1**	**ug/L**	**0.18**	**1**	**0.51**	**1.59**
MW-8D	**1,4-Dichlorobenzene**	**2/8/2007**	**2.5**	**ug/L**	**0.15**	**1**	**1.4**	**1.1**
MW-8D	Barium	2/8/2007	160	ug/L	0.2	100	2000	
MW-8D	**Benzene**	**2/8/2007**	**2.1**	**ug/L**	**0.12**	**1**	**1**	**1.1**
MW-8D	cis-1,2-Dichloroethene	2/8/2007	5.6	ug/L	0.14	5	70	
MW-8D	**Methylene chloride**	**2/8/2007**	**31**	**ug/L**	**0.09**	**1**	**4.6**	**26.4**
MW-8D	**Tetrachloroethene**	**2/8/2007**	**2.3**	**ug/L**	**0.25**	**1**	**0.7**	**1.6**
MW-8D	Trichloroethene	2/8/2007	2.7	ug/L	0.23	1	2.8	
MW-8D	Trichlorofluoromethane	2/8/2007	1.2	ug/L	0.16	1	2100	
MW-8D	**Vinyl chloride**	**2/8/2007**	**1.1**	**ug/L**	**0.15**	**1**	**0.02**	**1.09**
MW-9	Barium	2/9/2007	153	ug/L	0.2	100	2000	
MW-9	Zinc	2/9/2007	13.4	ug/L	1	10	1050	
MW-10	Zinc	2/9/2007	21.1	ug/L	1	10	1050	
PZ-2	Barium	2/9/2007	198	ug/L	0.2	100	2000	
PZ-2	**Benzene**	**2/9/2007**	**1.4**	**ug/L**	**0.12**	**1**	**1**	**0.4**
PZ-2	Chlorobenzene	2/9/2007	26	ug/L	0.16	3	50	
PZ-2	Cobalt	2/9/2007	71.2	ug/L	2	10		
PZ-2	**Vinyl chloride**	**2/9/2007**	**4.1**	**ug/L**	**0.15**	**1**	**0.02**	**4.09**
R. CAUDLE	Zinc	2/9/2007	35.9	ug/L	1	10	1050	
SPICER	Zinc	2/9/2007	63.1	ug/L	1	10	1050	
COLLINS	Copper	2/9/2007	286	ug/L	0.6	10	1000	
COLLINS	Zinc	2/9/2007	113	ug/L	1	10	1050	
D. CAUDLE	**Zinc**	**2/9/2007**	**1110**	**ug/L**	**1**	**10**	**1050**	**60**
HOBSON	Zinc	2/9/2007	173	ug/L	1	10	1050	

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
HUTCHINS	Zinc	2/9/2007	263	ug/L	1	10	1050	
SW-1	**1,2-Dichloropropane**	**2/9/2007**	**0.67**	**ug/L**	**0.18**	**1**	**0.51**	**0.16**
SW-1	Cobalt	2/9/2007	27.2	ug/L	2	10		
SW-2	**1,2-Dichloropropane**	**2/9/2007**	**1.1**	**ug/L**	**0.18**	**1**	**0.51**	**0.59**
SW-2	Cobalt	2/9/2007	11.5	ug/L	2	10		
SW-3	**1,2-Dichloropropane**	**2/9/2007**	**0.59**	**ug/L**	**0.18**	**1**	**0.51**	**0.08**
SW-3	Cobalt	2/9/2007	10.1	ug/L	2	10		
SW-4	**1,4-Dichlorobenzene**	**2/8/2007**	**2.9**	**ug/L**	**0.15**	**1**	**1.4**	**1.5**
SW-4	Barium	2/8/2007	187	ug/L	0.2	100	2000	
SW-4	**Benzene**	**2/8/2007**	**1.5**	**ug/L**	**0.12**	**1**	**1**	**0.5**
SW-4	Chlorobenzene	2/8/2007	4.5	ug/L	0.16	3	50	
SW-4	cis-1,2-Dichloroethene	2/8/2007	9.3	ug/L	0.14	5	70	
SW-4	Methylene chloride	2/8/2007	1.5	ug/L	0.09	1	4.6	
SW-4	**Tetrachloroethene**	**2/8/2007**	**0.78**	**ug/L**	**0.25**	**1**	**0.7**	**0.08**
SW-4	**Trichloroethene**	**2/8/2007**	**3.2**	**ug/L**	**0.23**	**1**	**2.8**	**0.4**
SW-4	**Vinyl chloride**	**2/8/2007**	**3.3**	**ug/L**	**0.15**	**1**	**0.02**	**3.29**

[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
NE = Not Established

Detection Scan All Detections above MDL
Yadkin County Old Closed MSWLF

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
MW-1	Barium	2/9/2007	146	ug/L	0.2	100	2000	
MW-1	Chromium	2/9/2007	8	ug/L	2	10	50	
MW-1	Cobalt	2/9/2007	17.5	ug/L	2	10		
MW-1	Lead	2/9/2007	5.9	ug/L	2	10	15	
MW-1	Nickel	2/9/2007	6.5	ug/L	2	50	100	
MW-1	Thallium	2/9/2007	0.31	ug/L	0.04	5.5		
MW-1	Vanadium	2/9/2007	30.7	ug/L	1	25		
MW-1	Zinc	2/9/2007	52.8	ug/L	1	10	1050	
MW-2	1,4-Dichlorobenzene	2/9/2007	0.99	ug/L	0.15	1	1.4	
MW-2	Barium	2/9/2007	333	ug/L	0.2	100	2000	
MW-2	Cadmium	2/9/2007	0.5	ug/L	0.5	1	1.75	
MW-2	Chlorobenzene	2/9/2007	1.2	ug/L	0.16	3	50	
MW-2	Cobalt	2/9/2007	88.4	ug/L	2	10		
MW-2	Nickel	2/9/2007	15.3	ug/L	2	50	100	
MW-2	Thallium	2/9/2007	0.21	ug/L	0.04	5.5		
MW-2	Toluene	2/9/2007	0.3	ug/L	0.15	1	1000	
MW-2	Zinc	2/9/2007	41.2	ug/L	1	10	1050	
MW-3	1,1-Dichloroethane	2/9/2007	0.97	ug/L	0.09	5	70	
MW-3	**1,2-Dichloroethane**	**2/9/2007**	**6.4**	**ug/L**	**0.36**	**1**	**0.38**	**6.02**
MW-3	Arsenic	2/9/2007	2.4	ug/L	2	10	50	
MW-3	Barium	2/9/2007	42.3	ug/L	0.2	100	2000	
MW-3	**Tetrachloroethene**	**2/9/2007**	**3.1**	**ug/L**	**0.25**	**1**	**0.7**	**2.4**
MW-3	Trichlorofluoromethane	2/9/2007	0.39	ug/L	0.16	1	2100	
MW-3	Zinc	2/9/2007	11.1	ug/L	1	10	1050	
MW-4	Barium	2/9/2007	178	ug/L	0.2	100	2000	
MW-4	Chromium	2/9/2007	9.9	ug/L	2	10	50	
MW-4	Cobalt	2/9/2007	15.1	ug/L	2	10		
MW-4	Copper	2/9/2007	4.2	ug/L	0.6	10	1000	
MW-4	Lead	2/9/2007	7.8	ug/L	2	10	15	
MW-4	Nickel	2/9/2007	5.2	ug/L	2	50	100	
MW-4	Thallium	2/9/2007	0.15	ug/L	0.04	5.5		
MW-4	Vanadium	2/9/2007	24.5	ug/L	1	25		
MW-4	Zinc	2/9/2007	31.9	ug/L	1	10	1050	
MW-5	Acetone	2/9/2007	13	ug/L	0.9	100	700	
MW-5	Barium	2/9/2007	149	ug/L	0.2	100	2000	
MW-5	Chromium	2/9/2007	14.8	ug/L	2	10	50	
MW-5	Cobalt	2/9/2007	4.3	ug/L	2	10		
MW-5	Copper	2/9/2007	2.1	ug/L	0.6	10	1000	
MW-5	Lead	2/9/2007	13.4	ug/L	2	10	15	
MW-5	Nickel	2/9/2007	6.5	ug/L	2	50	100	
MW-5	Thallium	2/9/2007	0.13	ug/L	0.04	5.5		
MW-5	Vanadium	2/9/2007	58.2	ug/L	1	25		
MW-5	Zinc	2/9/2007	32.9	ug/L	1	10	1050	
MW-6	1,2-Dichlorobenzene	2/9/2007	0.37	ug/L	0.17	5	620	
MW-6	**1,4-Dichlorobenzene**	**2/9/2007**	**3.1**	**ug/L**	**0.15**	**1**	**1.4**	**1.7**
MW-6	Barium	2/9/2007	40.5	ug/L	0.2	100	2000	
MW-6	**Benzene**	**2/9/2007**	**1.1**	**ug/L**	**0.12**	**1**	**1**	**0.1**
MW-6	Chlorobenzene	2/9/2007	2.8	ug/L	0.16	3	50	
MW-6	Chloroethane	2/9/2007	0.49	ug/L	0.4	10		
MW-6	cis-1,2-Dichloroethene	2/9/2007	3.6	ug/L	0.14	5	70	
MW-6	Cobalt	2/9/2007	78.3	ug/L	2	10		

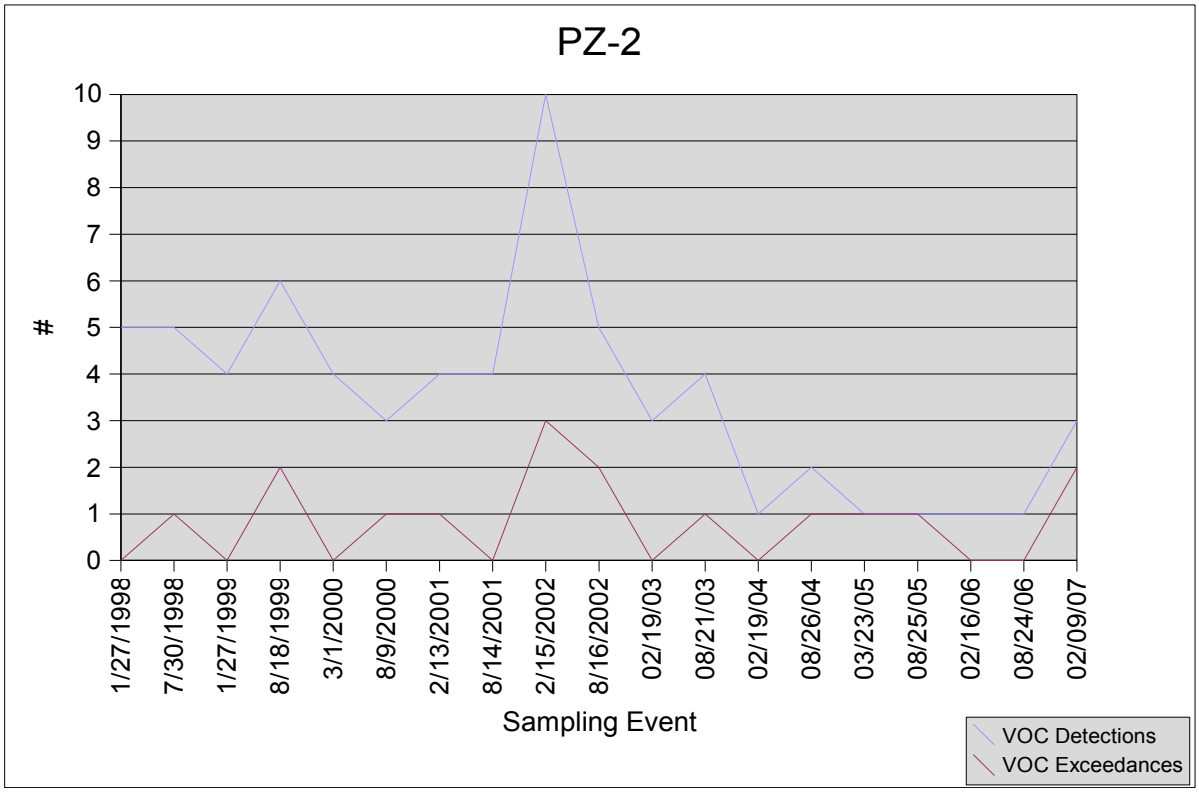
Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
MW-6	Nickel	2/9/2007	19.7	ug/L	2	50	100	
MW-6	Thallium	2/9/2007	0.42	ug/L	0.04	5.5		
MW-6	Toluene	2/9/2007	0.39	ug/L	0.15	1	1000	
MW-6	**Vinyl chloride**	**2/9/2007**	**0.78**	**ug/L**	**0.15**	**1**	**0.02**	**0.77**
MW-6	Zinc	2/9/2007	3.5	ug/L	1	10	1050	
MW-7	Barium	2/9/2007	436	ug/L	0.2	100	2000	
MW-7	Benzene	2/9/2007	0.36	ug/L	0.12	1	1	
MW-7	Chlorobenzene	2/9/2007	3	ug/L	0.16	3	50	
MW-7	cis-1,2-Dichloroethene	2/9/2007	0.4	ug/L	0.14	5	70	
MW-7	Cobalt	2/9/2007	24.8	ug/L	2	10		
MW-7	Tetrachloroethene	2/9/2007	0.34	ug/L	0.25	1	0.7	
MW-7	Thallium	2/9/2007	0.58	ug/L	0.04	5.5		
MW-7	**Vinyl chloride**	**2/9/2007**	**1.1**	**ug/L**	**0.15**	**1**	**0.02**	**1.09**
MW-7	Zinc	2/9/2007	3.1	ug/L	1	10	1050	
MW-8	1,1-Dichloroethane	2/8/2007	0.6	ug/L	0.09	5	70	
MW-8	1,4-Dichlorobenzene	2/8/2007	0.46	ug/L	0.15	1	1.4	
MW-8	Barium	2/8/2007	239	ug/L	0.2	100	2000	
MW-8	Cadmium	2/8/2007	0.5	ug/L	0.5	1	1.75	
MW-8	Chlorobenzene	2/8/2007	2	ug/L	0.16	3	50	
MW-8	cis-1,2-Dichloroethene	2/8/2007	2.5	ug/L	0.14	5	70	
MW-8	Cobalt	2/8/2007	4.2	ug/L	2	10		
MW-8	Copper	2/8/2007	2	ug/L	0.6	10	1000	
MW-8	**Tetrachloroethene**	**2/8/2007**	**0.92**	**ug/L**	**0.25**	**1**	**0.7**	**0.22**
MW-8	Trichloroethene	2/8/2007	0.93	ug/L	0.23	1	2.8	
MW-8	**Vinyl chloride**	**2/8/2007**	**0.35**	**ug/L**	**0.15**	**1**	**0.02**	**0.34**
MW-8	Zinc	2/8/2007	7.6	ug/L	1	10	1050	
MW-8D	1,1-Dichloroethane	2/8/2007	4.9	ug/L	0.09	5	70	
MW-8D	1,1-Dichloroethene	2/8/2007	0.32	ug/L	0.14	5	7	
MW-8D	**1,2-Dichloropropane**	**2/8/2007**	**2.1**	**ug/L**	**0.18**	**1**	**0.51**	**1.59**
MW-8D	**1,4-Dichlorobenzene**	**2/8/2007**	**2.5**	**ug/L**	**0.15**	**1**	**1.4**	**1.1**
MW-8D	Arsenic	2/8/2007	3.3	ug/L	2	10	50	
MW-8D	Barium	2/8/2007	160	ug/L	0.2	100	2000	
MW-8D	**Benzene**	**2/8/2007**	**2.1**	**ug/L**	**0.12**	**1**	**1**	**1.1**
MW-8D	Chlorobenzene	2/8/2007	1.2	ug/L	0.16	3	50	
MW-8D	Chloroethane	2/8/2007	0.4	ug/L	0.4	10		
MW-8D	cis-1,2-Dichloroethene	2/8/2007	5.6	ug/L	0.14	5	70	
MW-8D	**Methylene chloride**	**2/8/2007**	**31**	**ug/L**	**0.09**	**1**	**4.6**	**26.4**
MW-8D	Selenium	2/8/2007	4.6	ug/L	2	10	50	
MW-8D	**Tetrachloroethene**	**2/8/2007**	**2.3**	**ug/L**	**0.25**	**1**	**0.7**	**1.6**
MW-8D	Trichloroethene	2/8/2007	2.7	ug/L	0.23	1	2.8	
MW-8D	Trichlorofluoromethane	2/8/2007	1.2	ug/L	0.16	1	2100	
MW-8D	**Vinyl chloride**	**2/8/2007**	**1.1**	**ug/L**	**0.15**	**1**	**0.02**	**1.09**
MW-8D	Zinc	2/8/2007	2.1	ug/L	1	10	1050	
MW-9	Barium	2/9/2007	153	ug/L	0.2	100	2000	
MW-9	Cobalt	2/9/2007	2.3	ug/L	2	10		
MW-9	Selenium	2/9/2007	2.8	ug/L	2	10	50	
MW-9	Tetrachloroethene	2/9/2007	0.42	ug/L	0.25	1	0.7	
MW-9	Thallium	2/9/2007	0.05	ug/L	0.04	5.5		
MW-9	Vanadium	2/9/2007	1.6	ug/L	1	25		
MW-9	Zinc	2/9/2007	13.4	ug/L	1	10	1050	
MW-10	Barium	2/9/2007	40.4	ug/L	0.2	100	2000	
MW-10	Cobalt	2/9/2007	2.1	ug/L	2	10		
MW-10	Copper	2/9/2007	1.3	ug/L	0.6	10	1000	
MW-10	Thallium	2/9/2007	0.05	ug/L	0.04	5.5		

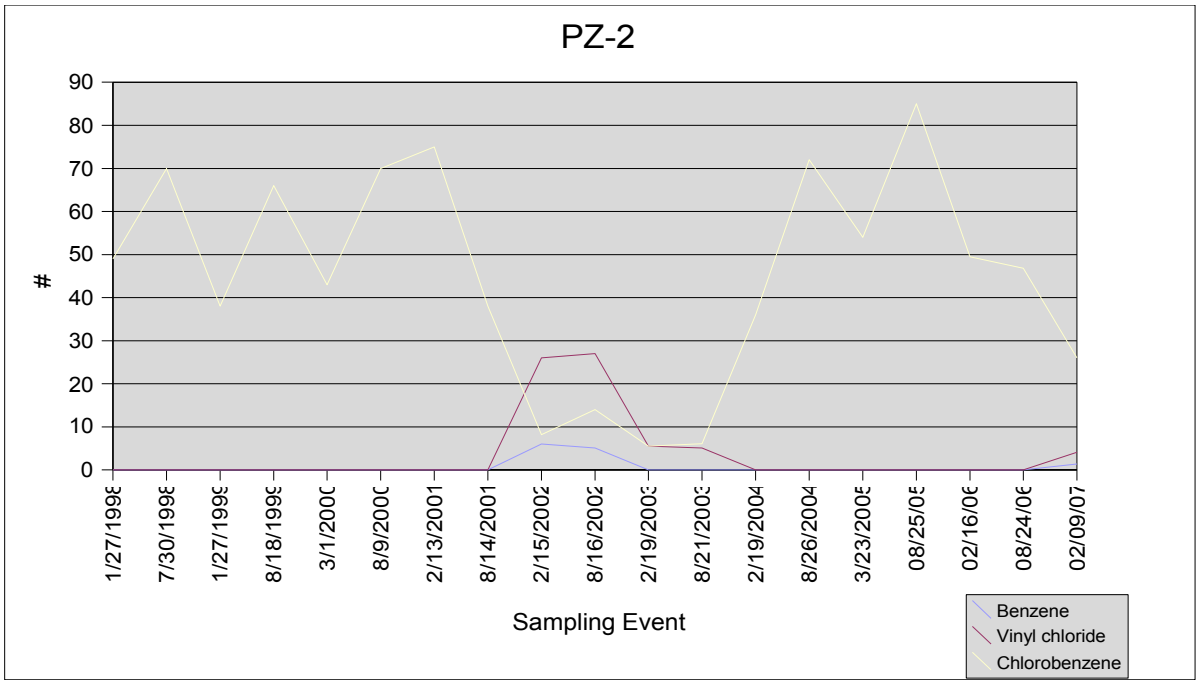
Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
MW-10	Vanadium	2/9/2007	1.9	ug/L	1	25		
MW-10	Zinc	2/9/2007	21.1	ug/L	1	10	1050	
PZ-2	1,2-Dichlorobenzene	2/9/2007	0.35	ug/L	0.17	5	620	
PZ-2	Acetone	2/9/2007	18	ug/L	0.9	100	700	
PZ-2	Barium	2/9/2007	198	ug/L	0.2	100	2000	
PZ-2	**Benzene**	**2/9/2007**	**1.4**	**ug/L**	**0.12**	**1**	**1**	**0.4**
PZ-2	Chlorobenzene	2/9/2007	26	ug/L	0.16	3	50	
PZ-2	Chloroethane	2/9/2007	0.52	ug/L	0.4	10		
PZ-2	cis-1,2-Dichloroethene	2/9/2007	0.76	ug/L	0.14	5	70	
PZ-2	Cobalt	2/9/2007	71.2	ug/L	2	10		
PZ-2	Ethylbenzene	2/9/2007	0.5	ug/L	0.17	1	550	
PZ-2	Lead	2/9/2007	2.8	ug/L	2	10	15	
PZ-2	Methylene chloride	2/9/2007	0.34	ug/L	0.09	1	4.6	
PZ-2	Tetrachloroethene	2/9/2007	0.4	ug/L	0.25	1	0.7	
PZ-2	Toluene	2/9/2007	0.91	ug/L	0.15	1	1000	
PZ-2	Trichloroethene	2/9/2007	0.53	ug/L	0.23	1	2.8	
PZ-2	**Vinyl chloride**	**2/9/2007**	**4.1**	**ug/L**	**0.15**	**1**	**0.02**	**4.09**
PZ-2	Xylenes	2/9/2007	1	ug/L	0.21	4	530	
PZ-2	Zinc	2/9/2007	2.5	ug/L	1	10	1050	
R. CAUDLE	Barium	2/9/2007	62.6	ug/L	0.2	100	2000	
R. CAUDLE	Copper	2/9/2007	2.7	ug/L	0.6	10	1000	
R. CAUDLE	Zinc	2/9/2007	35.9	ug/L	1	10	1050	
SPICER	Arsenic	2/9/2007	2.6	ug/L	2	10	50	
SPICER	Barium	2/9/2007	29.9	ug/L	0.2	100	2000	
SPICER	Copper	2/9/2007	7.5	ug/L	0.6	10	1000	
SPICER	Selenium	2/9/2007	2.6	ug/L	2	10	50	
SPICER	Zinc	2/9/2007	63.1	ug/L	1	10	1050	
COLLINS	Arsenic	2/9/2007	3.2	ug/L	2	10	50	
COLLINS	Barium	2/9/2007	16.7	ug/L	0.2	100	2000	
COLLINS	Copper	2/9/2007	286	ug/L	0.6	10	1000	
COLLINS	Lead	2/9/2007	2.7	ug/L	2	10	15	
COLLINS	Selenium	2/9/2007	3.1	ug/L	2	10	50	
COLLINS	Zinc	2/9/2007	113	ug/L	1	10	1050	
D. CAUDLE	Arsenic	2/9/2007	2.4	ug/L	2	10	50	
D. CAUDLE	Barium	2/9/2007	20.3	ug/L	0.2	100	2000	
D. CAUDLE	Copper	2/9/2007	6.2	ug/L	0.6	10	1000	
D. CAUDLE	Lead	2/9/2007	2.2	ug/L	2	10	15	
D. CAUDLE	Nickel	2/9/2007	2.2	ug/L	2	50	100	
D. CAUDLE	Vanadium	2/9/2007	2.9	ug/L	1	25		
D. CAUDLE	**Zinc**	**2/9/2007**	**1110**	**ug/L**	**1**	**10**	**1050**	**60**
HOBSON	Barium	2/9/2007	20.5	ug/L	0.2	100	2000	
HOBSON	Copper	2/9/2007	8	ug/L	0.6	10	1000	
HOBSON	Vanadium	2/9/2007	3.6	ug/L	1	25		
HOBSON	Zinc	2/9/2007	173	ug/L	1	10	1050	
HUTCHINS	Barium	2/9/2007	38.4	ug/L	0.2	100	2000	
HUTCHINS	Zinc	2/9/2007	263	ug/L	1	10	1050	
SW-1	1,1-Dichloroethane	2/9/2007	0.54	ug/L	0.09	5	70	
SW-1	**1,2-Dichloropropane**	**2/9/2007**	**0.67**	**ug/L**	**0.18**	**1**	**0.51**	**0.16**
SW-1	1,4-Dichlorobenzene	2/9/2007	0.99	ug/L	0.15	1	1.4	
SW-1	Barium	2/9/2007	51.1	ug/L	0.2	100	2000	
SW-1	Chlorobenzene	2/9/2007	0.86	ug/L	0.16	3	50	
SW-1	cis-1,2-Dichloroethene	2/9/2007	0.42	ug/L	0.14	5	70	
SW-1	Cobalt	2/9/2007	27.2	ug/L	2	10		
SW-1	Thallium	2/9/2007	0.05	ug/L	0.04	5.5		

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	Exceedance
SW-2	**1,2-Dichloropropane**	**2/9/2007**	**1.1**	**ug/L**	**0.18**	**1**	**0.51**	**0.59**
SW-2	1,4-Dichlorobenzene	2/9/2007	0.48	ug/L	0.15	1	1.4	
SW-2	Barium	2/9/2007	55.3	ug/L	0.2	100	2000	
SW-2	Cobalt	2/9/2007	11.5	ug/L	2	10		
SW-2	Zinc	2/9/2007	1.5	ug/L	1	10	1050	
SW-3	**1,2-Dichloropropane**	**2/9/2007**	**0.59**	**ug/L**	**0.18**	**1**	**0.51**	**0.08**
SW-3	1,4-Dichlorobenzene	2/9/2007	0.36	ug/L	0.15	1	1.4	
SW-3	Barium	2/9/2007	50.9	ug/L	0.2	100	2000	
SW-3	Cobalt	2/9/2007	10.1	ug/L	2	10		
SW-3	Copper	2/9/2007	4.3	ug/L	0.6	10	1000	
SW-3	Nickel	2/9/2007	4.9	ug/L	2	50	100	
SW-3	Zinc	2/9/2007	5.6	ug/L	1	10	1050	
SW-4	1,1-Dichloroethane	2/8/2007	2.4	ug/L	0.09	5	70	
SW-4	**1,4-Dichlorobenzene**	**2/8/2007**	**2.9**	**ug/L**	**0.15**	**1**	**1.4**	**1.5**
SW-4	Acetone	2/8/2007	3	ug/L	0.9	100	700	
SW-4	Barium	2/8/2007	187	ug/L	0.2	100	2000	
SW-4	**Benzene**	**2/8/2007**	**1.5**	**ug/L**	**0.12**	**1**	**1**	**0.5**
SW-4	Chlorobenzene	2/8/2007	4.5	ug/L	0.16	3	50	
SW-4	cis-1,2-Dichloroethene	2/8/2007	9.3	ug/L	0.14	5	70	
SW-4	Cobalt	2/8/2007	6.4	ug/L	2	10		
SW-4	Methylene chloride	2/8/2007	1.5	ug/L	0.09	1	4.6	
SW-4	**Tetrachloroethene**	**2/8/2007**	**0.78**	**ug/L**	**0.25**	**1**	**0.7**	**0.08**
SW-4	**Trichloroethene**	**2/8/2007**	**3.2**	**ug/L**	**0.23**	**1**	**2.8**	**0.4**
SW-4	**Vinyl chloride**	**2/8/2007**	**3.3**	**ug/L**	**0.15**	**1**	**0.02**	**3.29**
SW-4	Zinc	2/8/2007	3.9	ug/L	1	10	1050	

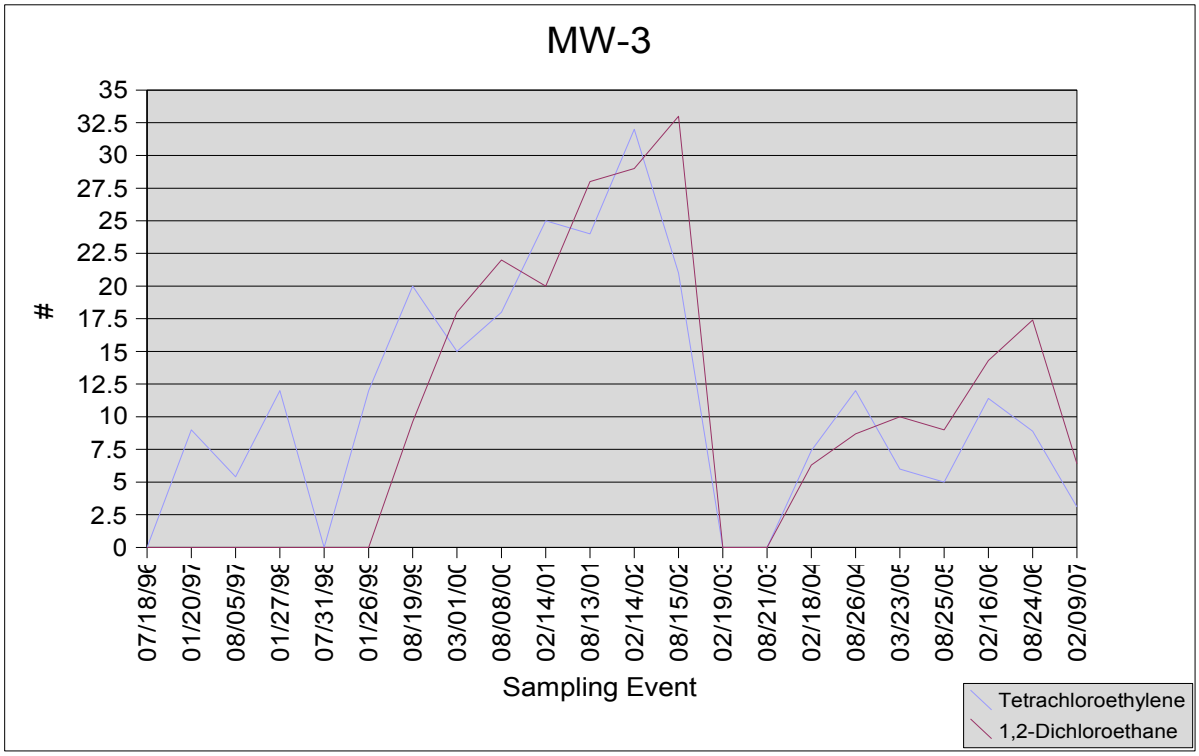
[1] Table only contains detected constituents.
[2] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)
[3] NCGW2L = North Carolina Ground Water 2L Standard
[4] MDL = Method Detection Limit
NE = Not Established

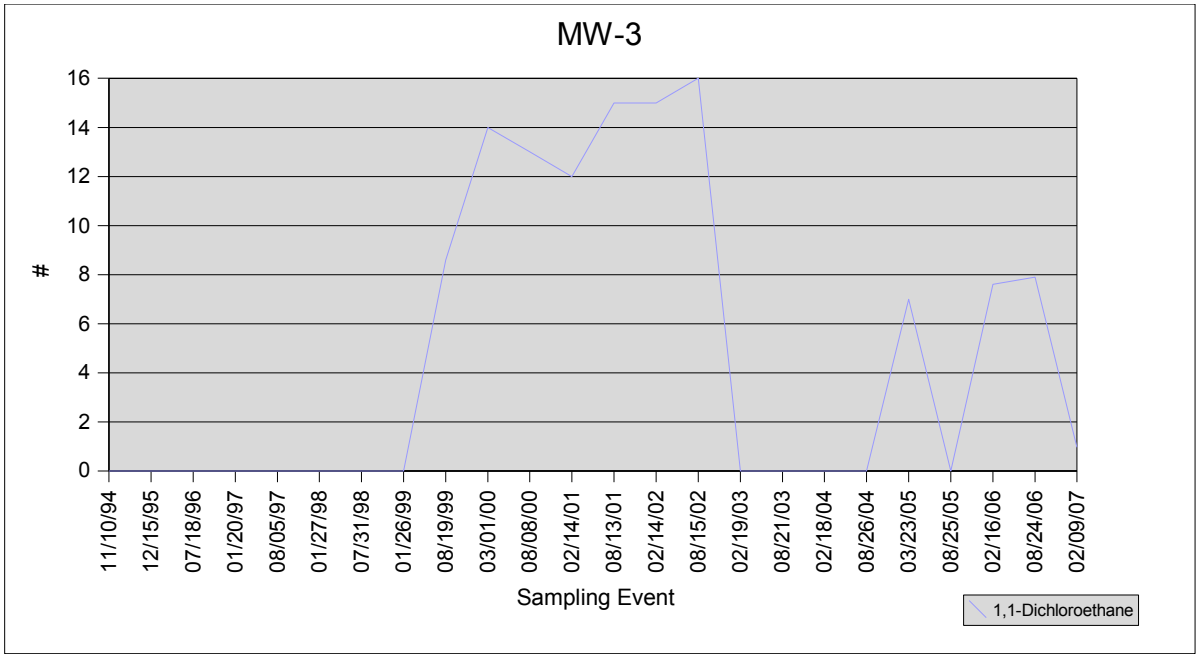
Time Series Plots for Select Constituents (PZ-2)
Yadkin County Old Closed Sanitary Landfill



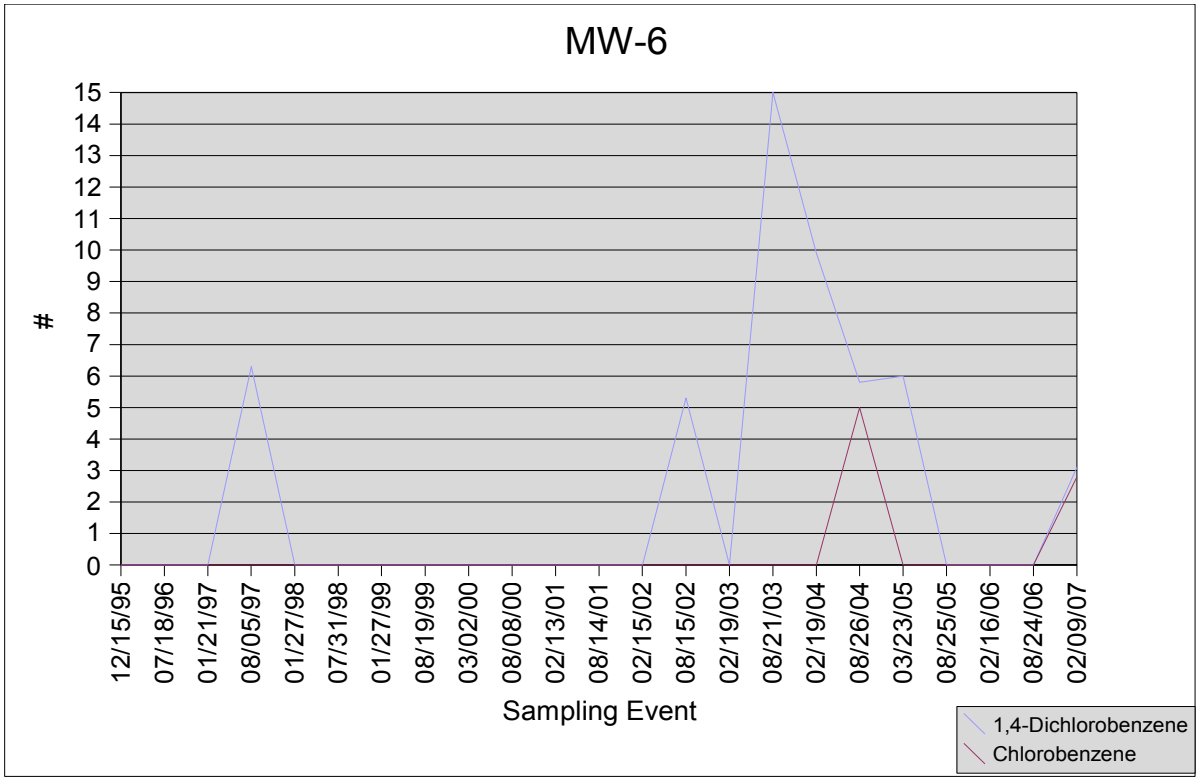


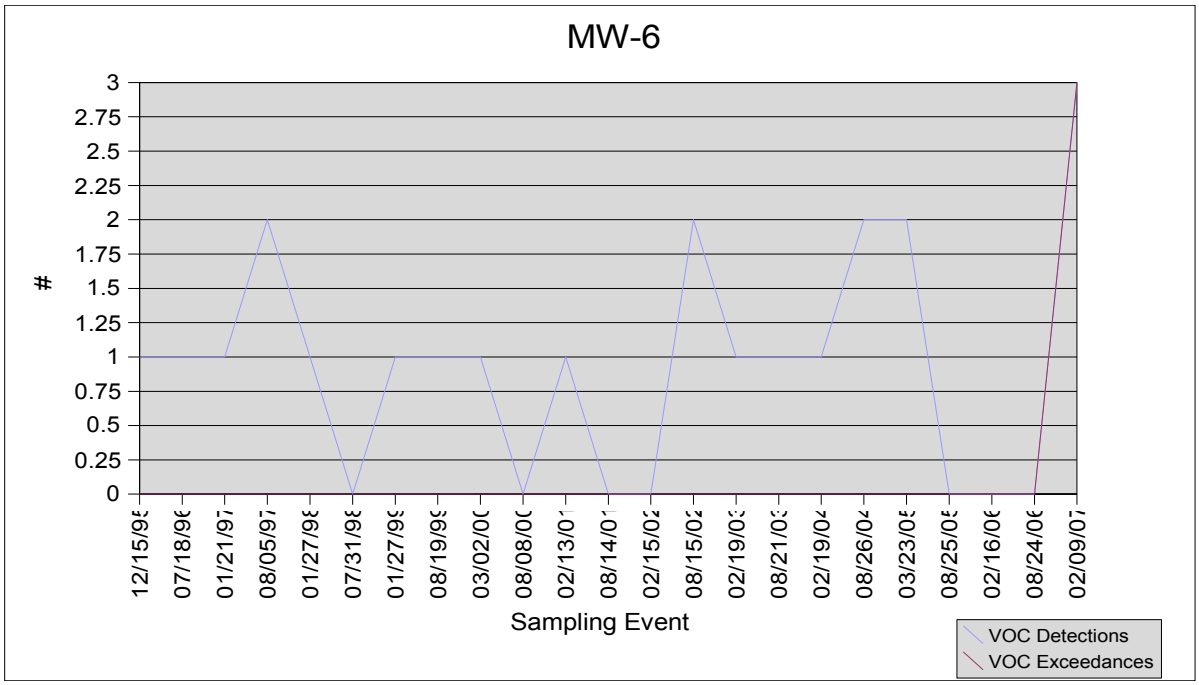
Time Series Plots for Select Constituents (MW-3)
Yadkin County Old Closed Sanitary Landfill



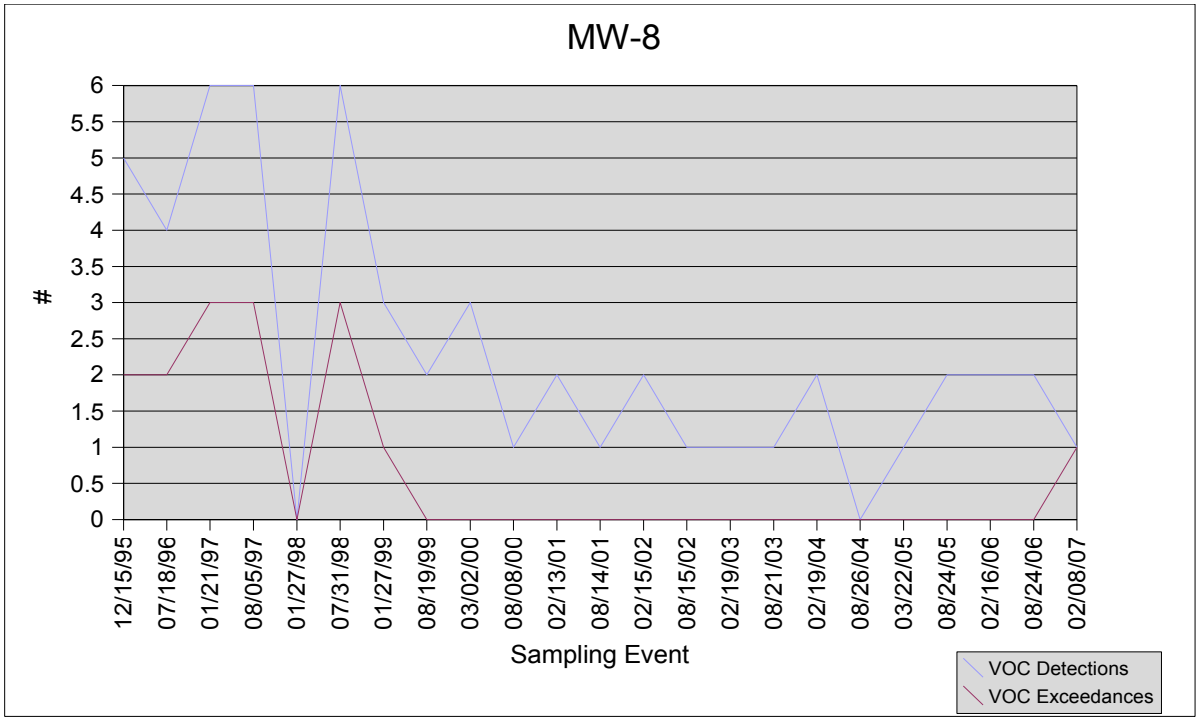


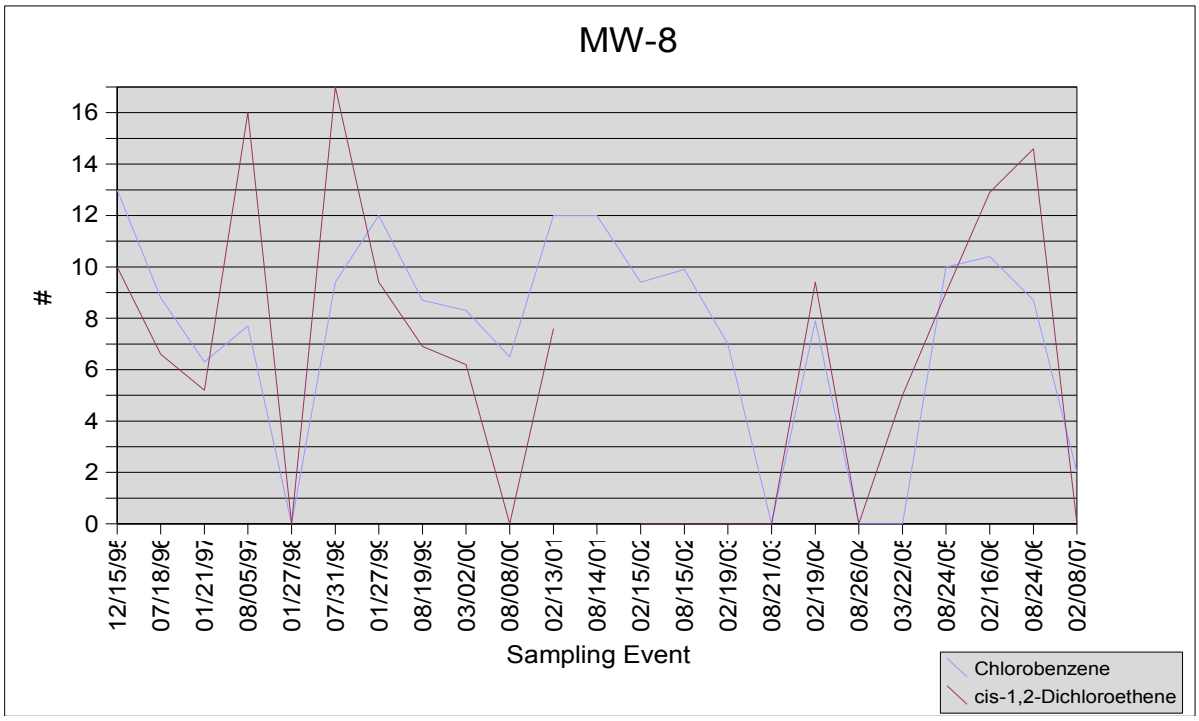
Time Series Plots for Select Constituents (MW-6)
Yadkin County Old Closed Sanitary Landfill



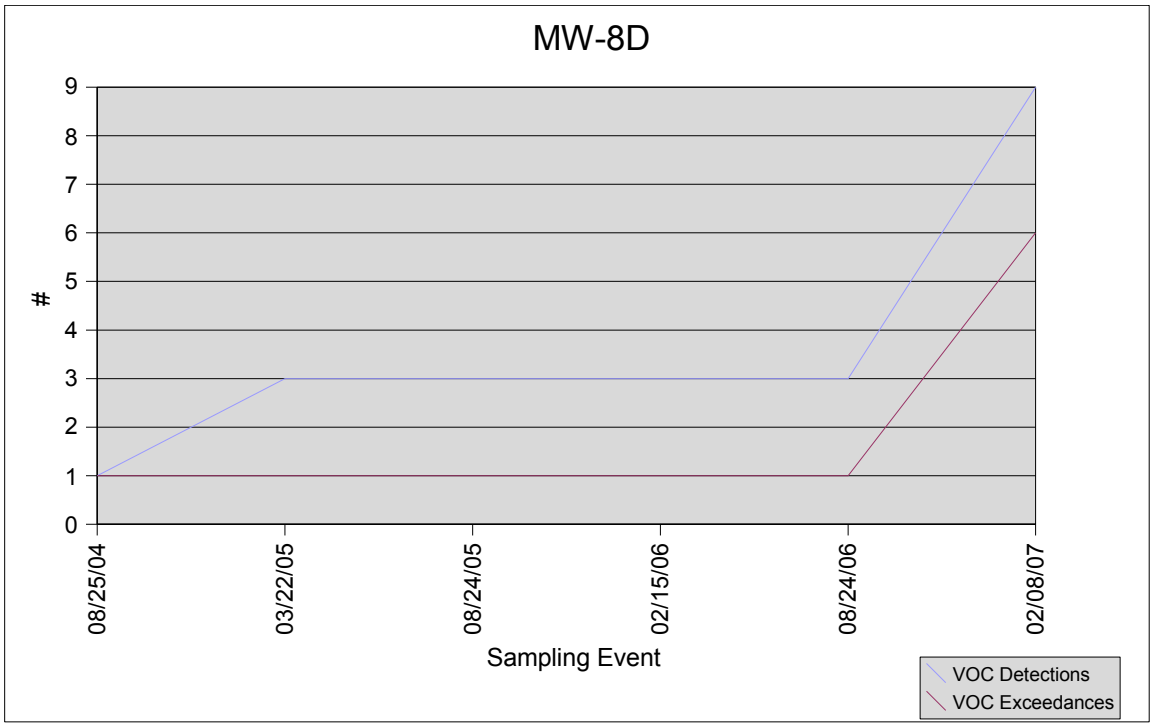


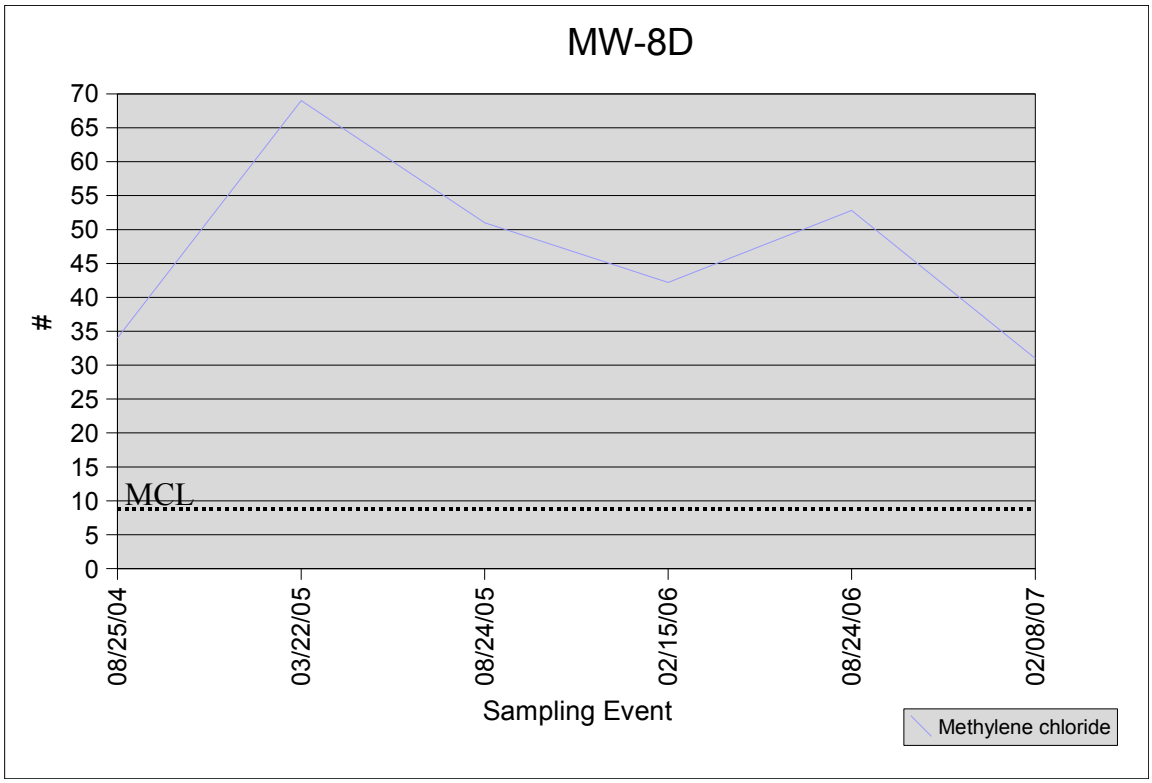
Time Series Plots for Select Constituents (MW-8)
Yadkin County Old Closed Sanitary Landfill



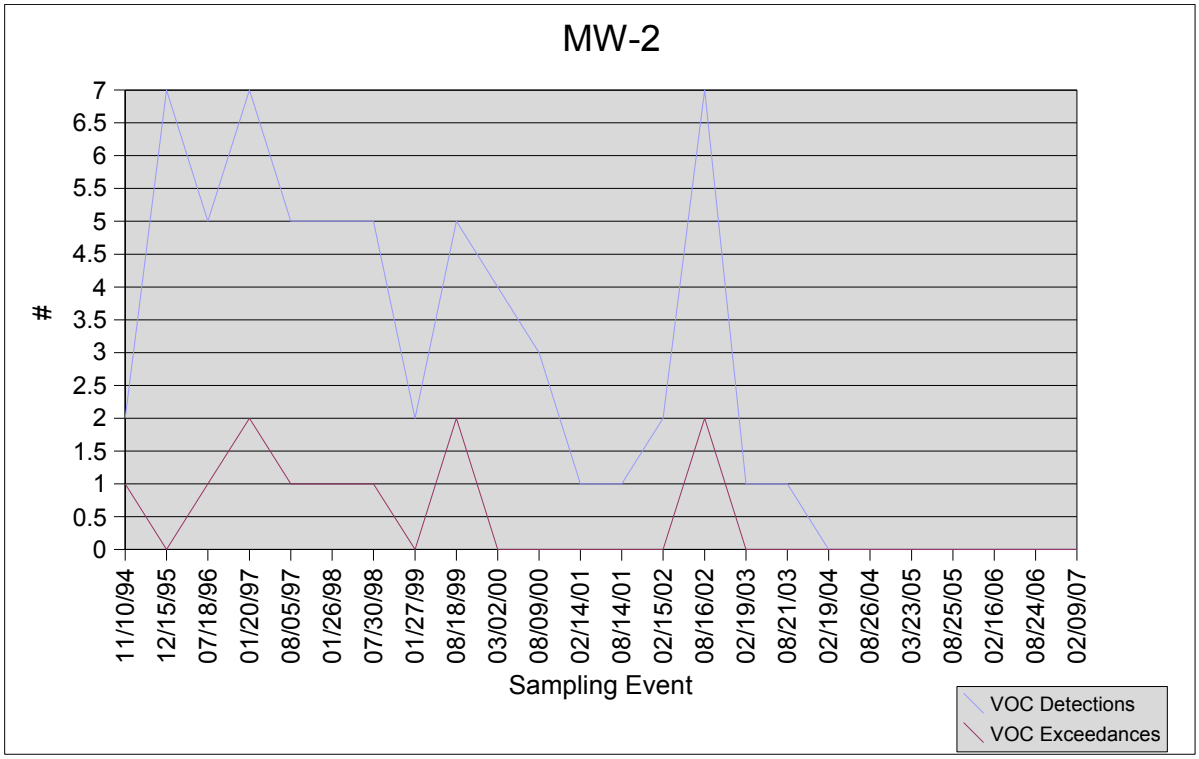


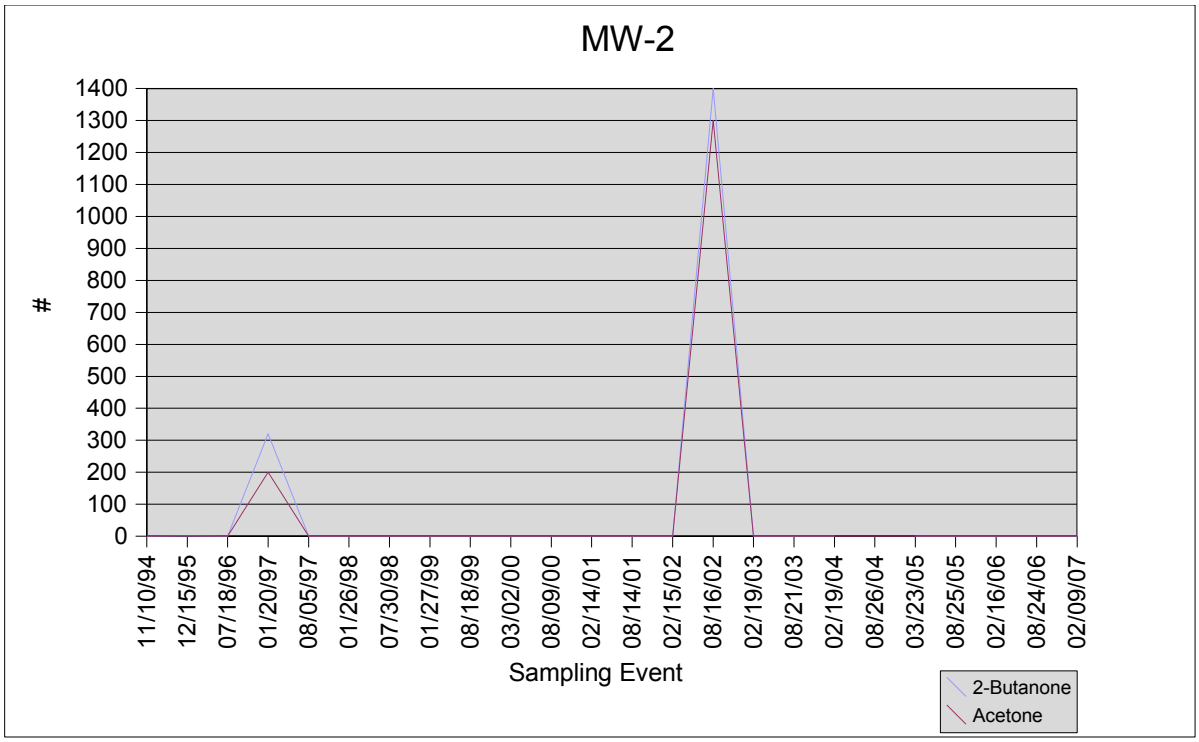
Time Series Plots for Select Constituents (MW-8D)
Yadkin County Old Closed Sanitary Landfill



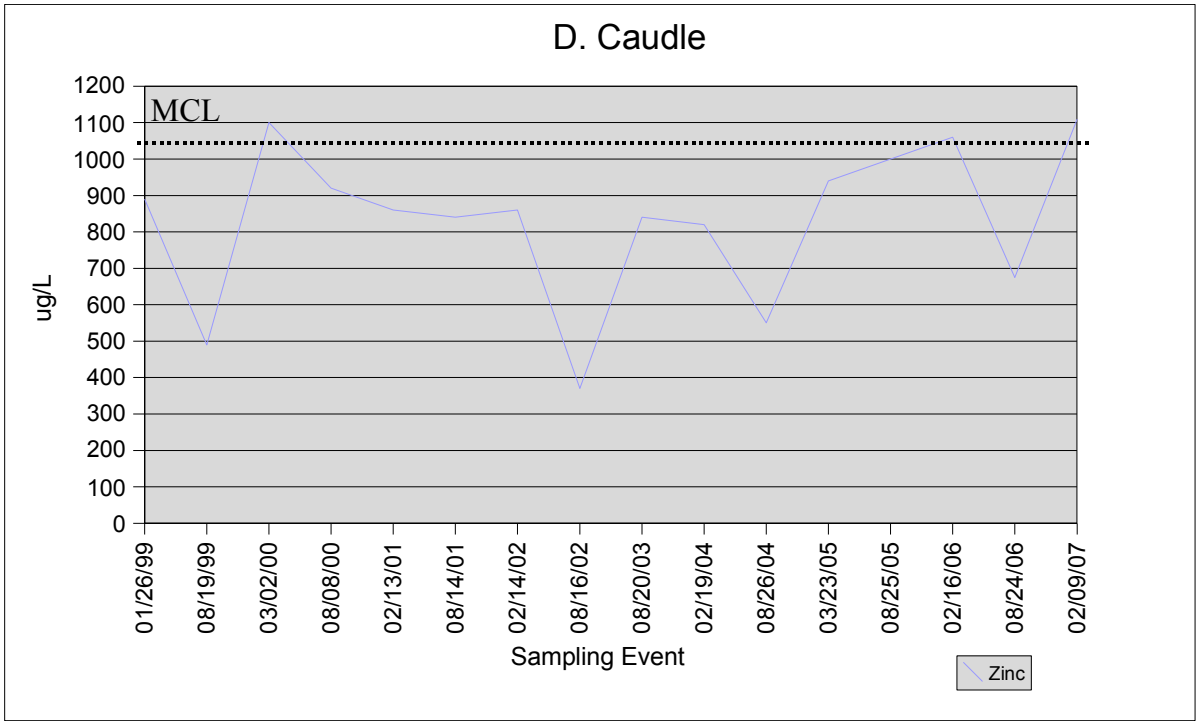


Time Series Plots for Select Constituents (MW-2)
Yadkin County Old Closed Sanitary Landfill

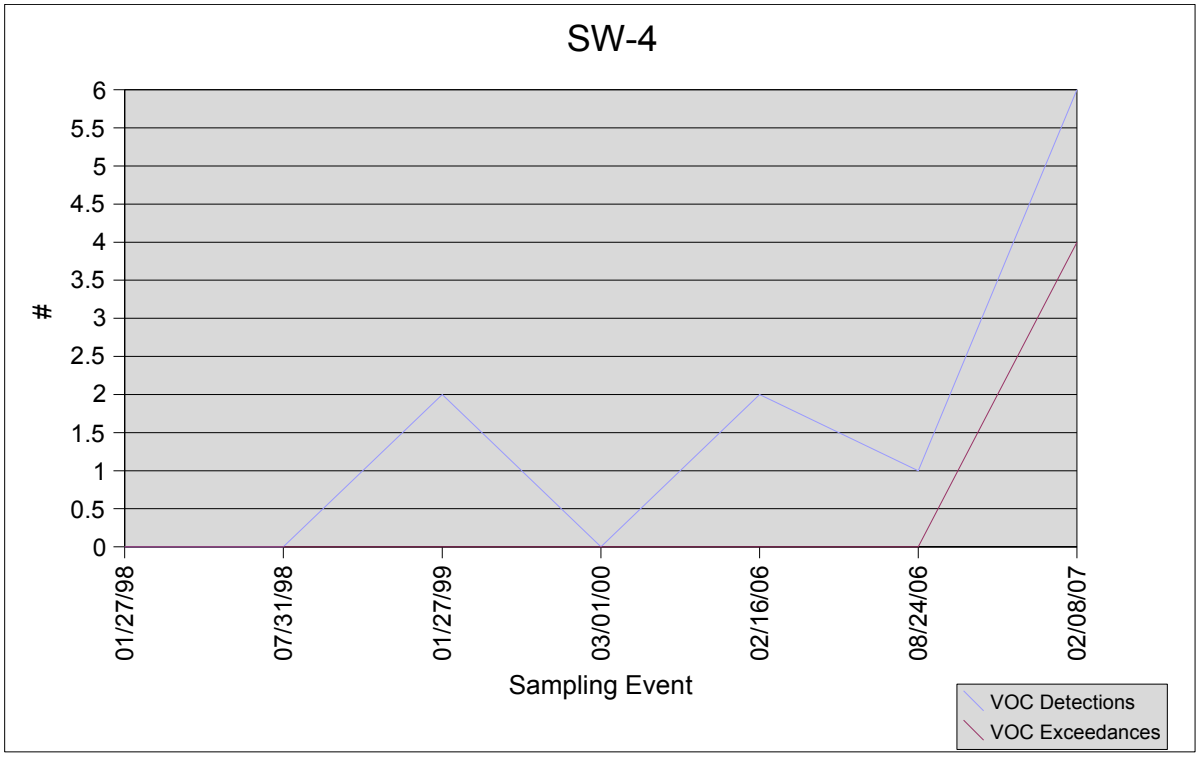


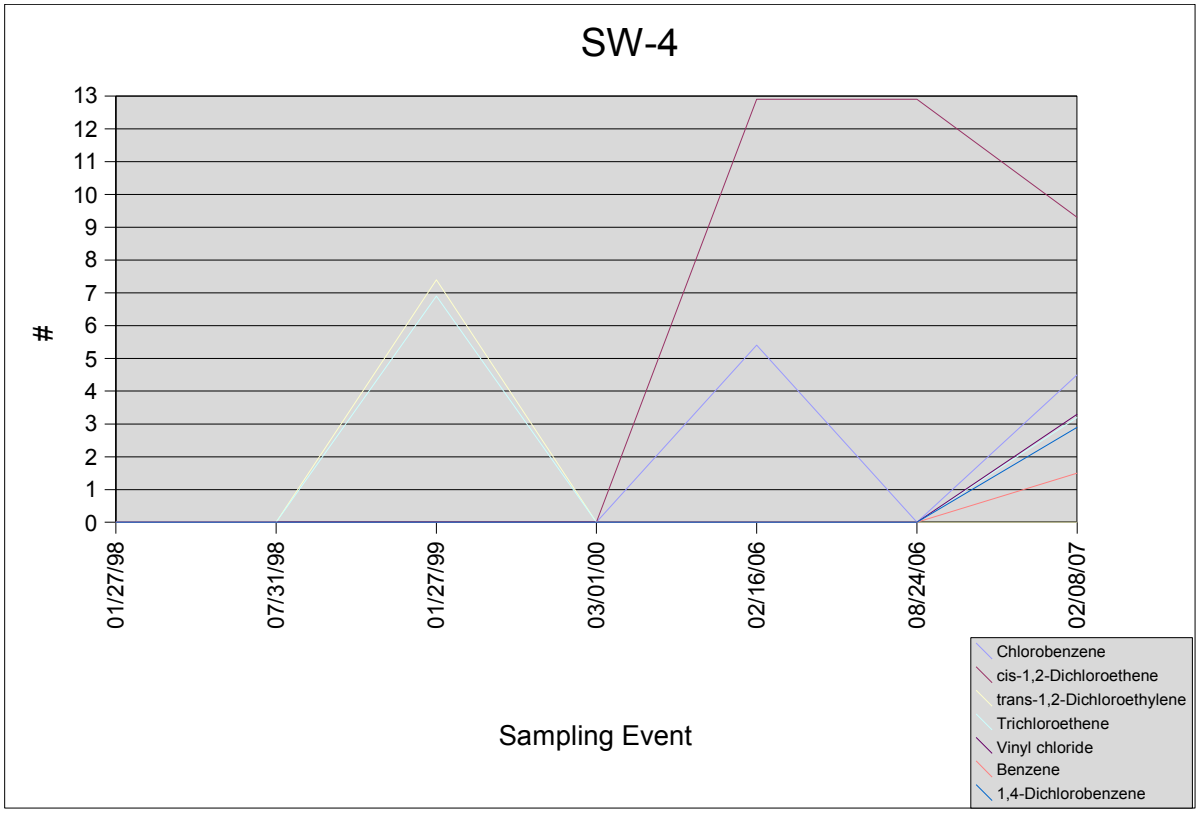


Time Series Plots for Select Constituents (D Caudle Supply Well)
Yadkin County Old Closed Sanitary Landfill



Time Series Plots for Select Constituents (SW-4)
Yadkin County Old Closed Sanitary Landfill

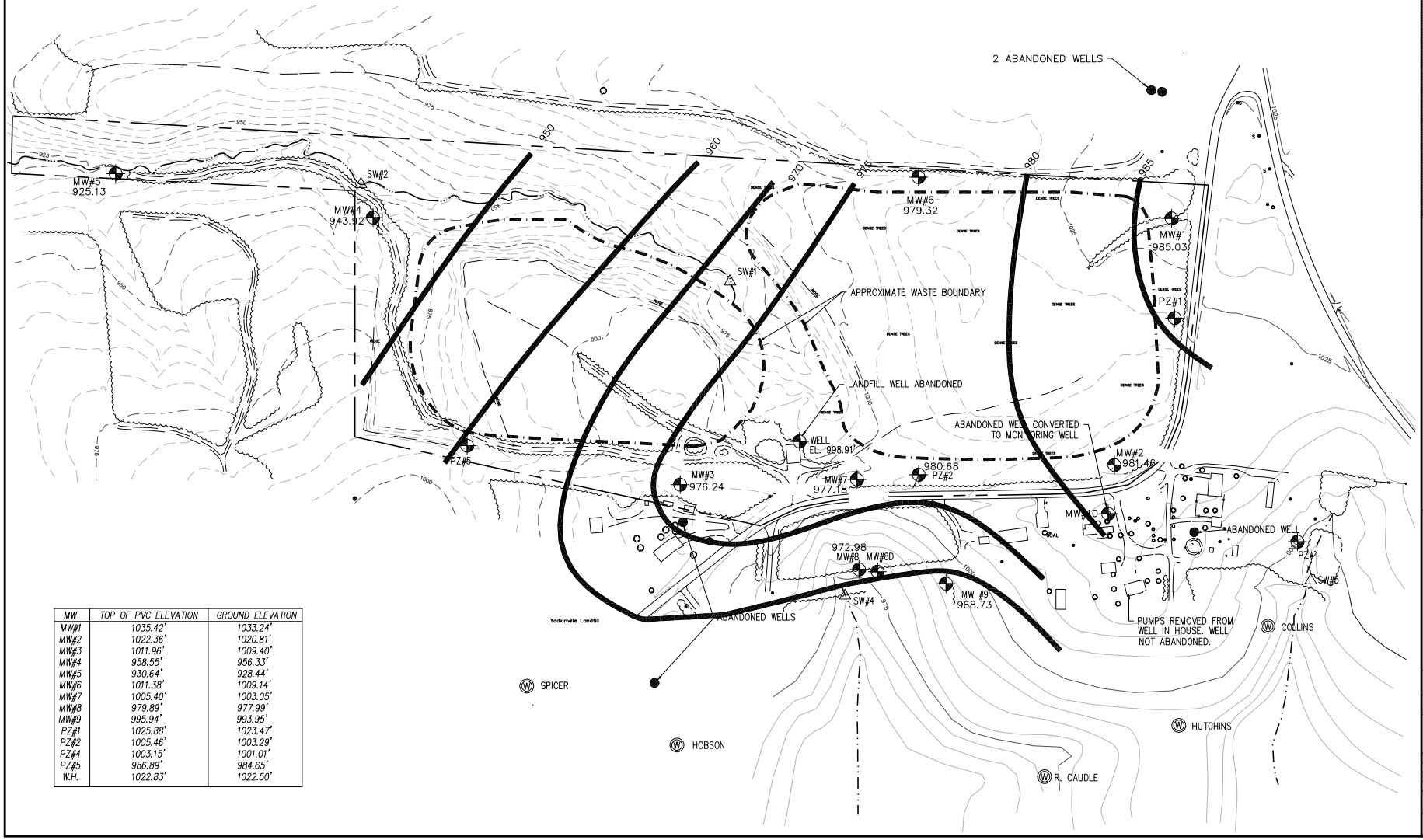




LEGEND:

- EXISTING CONTOURS
- MW#6 — MONITORING WELLS AND PIEZOMETERS
- D. CAUDLE — RESIDENTIAL WELLS
- ABANDONED WELLS
- SW#5 — SURFACE WATER LOCATION
- POTENTIOMETRIC CONTOUR BASED ON MARCH 2005 WATER LEVELS

SW#3 LOCATED ON TRIBUTARY OUTSIDE THIS MAP.



MW	TOP OF PVC ELEVATION	GROUND ELEVATION
MW#1	1035.42'	1033.24'
MW#2	1022.36'	1020.81'
MW#3	1011.96'	1009.40'
MW#4	958.55'	956.33'
MW#5	930.64'	928.44'
MW#6	1011.38'	1009.14'
MW#7	1005.40'	1003.05'
MW#8	979.89'	977.99'
MW#9	995.94'	993.95'
PZ#1	1025.88'	1023.47'
PZ#2	1005.46'	1003.29'
PZ#4	1003.15'	1001.01'
PZ#5	986.89'	984.65'
W.H.	1022.83'	1022.50'

Municipal Engineering Services Company, P.A.
P.O. BOX 549 MOCKSVILLE, N.C. 27028 (704) 284-1707
P.O. BOX 97 SUMNER, N.C. 27529 (919) 772-5365

MUNICIPAL SOLID WASTE LANDFILL FACILITY
YADKIN COUNTY NORTH CAROLINA

DATE	BY	REV.	DESCRIPTION
5/21/08	BMB	1	REVISED PROPOSED MW'S, SHOW STREAMS

MONITORING WELL LOCATIONS

SCALE:
DATE: 8/8/2005
DRWN. BY: L. HAMPTON
CHKD. BY: E. CALDWELL
PROJECT NUMBER G01017.0
DRAWING NO. SM
SHEET NO. 1 OF 1

Sampling Data Sheet

Project: Yadkin Old Closed MSWLF

Samplers: J. Pfohl

P. 1 of 2

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Depth to Water (BTOP) Sample Time	Volume Purged (Gal)	Sample Type	Sampling Depth (BGS)	Water Quality Parameters: pH	Temp.	Specific Cond.	Turbidity	Total Depth
MW-8D	2/8/07	4:20	12.56	Not PD	32	P		6.7	15.0	110	C	66
MW-8	↓	4:50	7.07	Not PD	16	P		6.6	15.3	200	C	22
SW-4	↓	5:05	—		—	—		7.0	6.3	620	C	—
MW-9	2/9/07	7:25AM	24.34		10	P		6.8	15.4	130	ST	34
MW-7		8:00	26.30		14	P		6.8	15.2	110	C	35
FZ-2		8:40	24.38		PD	P		6.9	16.8	210	C	34
MW-2		9:10	40.70		12	P		6.8	15.0	80	ST	55
MW-1		9:40	49.35		PD	SSB.W		6.9	15.2	170	ST	54
MW-10		10:15	NA		PD	DB.L		6.8	14.8	160	C	57.67
Greer		10:40	-		[illegible]			7.0	13.3	30	C	—
Hobson		11:00	—		Back spigot			6.9	13.1	20	C	—
R. Caulle		11:35	—		Back spigot			6.9	13.0	10	C	—
Hutchins		11:50	—		Back spigot			6.8	12.8	30	C	—
Collins		12:00	—		Back spigot			7.0	12.9	30	°C	—
MW-4		12:35	14.51		PD	P		6.8	14.8	180	ST	21
SW-2		12:40	—		—	Dip		7.0	6.4	20	C	—
SW-1		12:50	—		—	Dip		7.0	6.3	10	C	—
MW-5	↓	1:20	5.38		PD	P		6.8	13.7	110	MT	13

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

Sampling Data Sheet

Project: Yadkin Old Closed MSWLF

Samplers: J. Pfohl P. 2 of 2

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Depth to Water (BTOP) Sample Time	Volume Purged (Gal)	Sample Type	Sampling Depth (BGS)	Water Quality Parameters: pH	Temp.	Specific Cond.	Turbidity	Total Depth
SW-3	2/9/07	1:35	—	—	—	Dip		7.0	6.8	10	C	—
MW-6		2:00	31.98	very T. @ Beginning	5	P		6.9	13.4	70	ST	41
SW-5	NS	NS	DRY	—	—	Dry		7.0	6.8	10	C	—
D. Bundle		2:20	sink inside	—	—			7.0	12.2	10	C	—
MW-3		3:00	35.58	—	PD	P		6.8	13.3	260	ST	46.5

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

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

Client Name: Municipal Engineering Services (MU001)	Project Number: G07018.0
Address: P.O. Box 97	Project Name/Desc: Yadkin Old Closed LF
City/ST/Zip: Garner, NC 27529	PO # / Billing Info
Tel: (919) 772-5393 Fax: (919) 772-1176	Reporting Contact: Jonathan Pfohl
Sampler(s) Name, Affiliation (Print): Jonathan Pfohl, MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature	Facility # (if required)

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

√ Standard

___ Expedited

Due __/__/__

Lab Workorder: C701268

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-3 MS/MSD	2/9/07	3:00	Grab	Water	7	X	X									1 Broken VOA
	MW-8D	2/8/07	4:20		Water	4	X	X									
	MW-8	↓	4:50		Water	4	X	X									
	~~MW~~-SW-4	↓	5:05		Water	4	X	X									
	MW-9	2/9/07	7:25		Water	4	X	X									
	MW-7	↓	8:00		Water	4	X	X									
	~~MW~~-PZ-2	↓	8:40		Water	4	X	X									
	MW-2	↓	9:10		Water	4	X	X									
	MW-1	↓	9:40		Water	4	X	X									
	MW-10	↓	10:15		Water	4	X	X									
	~~MW~~-SPICER	↓	10:40		Water	4	X	X									
	MW-HOBSON	↓	11:00		Water	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 2/12/07 11:33	Received By	Date/Time 2/12/07 11:33
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt 2°		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
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1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: Municipal Engineering Services (MU001)	Project Number: G07018.0
Address: P.O. Box 97	Project Name/Desc: Yadkin Old 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): J. Pfohl, MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C701268

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-~~ R. CAUDLE	2/9/07	11:35	Grab	Water	4	X	X									
	~~MW-~~ HUTCHINS		11:50		Water	4	X	X									
	~~MW-~~ COLLINS		12:00		Water	4	X	X									
	MW-4		12:35		Water	4	X	X									
	~~MW-~~ SW-2		12:40		Water	4	X	X									1 BROKEN VOA
	~~MW-~~ SW-1		12:50		Water	4	X	X									
	MW-5		1:20		Water	4	X	X									1 BROKEN VOA
	~~MW-~~ SW-3		1:35		Water	4	X	X									
	MW-6		2:00		Water	4	X	X									
	~~MW-~~ D. CAUDLE		2:20		Water	4	X	X									
	MW-				Water	4	X	X									
	MW-				Water	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 2/12/07 11:33	Received By	Date/Time 2/12/07 11:33
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2°		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

ENVIRONMENTAL CONSERVATION LABORATORIES 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

Client Name: Municipal Engineering Services (MU001)	Project Number: G07017.0
Address: P.O. Box 97	Project Name/Desc: Yadkin Co. Landfills
City/ST/Zip: Garner, NC 27529	PO # / Billing Info:
Tel: (919) 772-5393 Fax: (919) 772-1176	Reporting Contact: Jonathan Pfohl
Sampler(s) Name, Affiliation (Print): Jonathan Pfohl, MESCC	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: C701270

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	EB	9:30	2/8/07	Grab	Water	3	X	
	FB	9:35	2/8/07	↓	Water	3	X	
	TB	ENCO Filled			Water	3	X	~~DID NOT RETURN~~ CS 2/21/7

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time: 2/12/07 11:33	Received By	Date/Time: 2/12/07 11:33
Comments: EB - Pump w/ ENCO DI H_2O		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2°		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

Laboratory Results

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

Tuesday, May 22, 2007

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Project Number: G07018.0, Project Name/Desc: Yadkin Old Closed LF
ENCO Workorder: C701268

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, February 12, 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.

This data has been produced in accordance with NELAC standards (June, 2003). 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. 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 85.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-3 MS/MSD **Lab ID:** C701268-01

Sampled: 02/09/07 15:00 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 09:50
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 13:47
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 14:21

Client ID: MW- 8D **Lab ID:** C701268-02

Sampled: 02/08/07 16:20 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/07/07	02/13/07 09:32	2/16/2007 10:14
EPA 6020	08/07/07	02/19/07 11:02	2/21/2007 13:39
EPA 8260B	02/22/07	02/17/07 09:49	2/17/2007 14:47

Client ID: MW- 8 **Lab ID:** C701268-03

Sampled: 02/08/07 16:50 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/07/07	02/13/07 09:32	2/16/2007 10:21
EPA 6020	08/07/07	02/19/07 11:02	2/21/2007 13:49
EPA 8260B	02/22/07	02/17/07 09:49	2/17/2007 15:13

Client ID: SW- 4 **Lab ID:** C701268-04

Sampled: 02/08/07 17:05 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/07/07	02/13/07 09:32	2/16/2007 10:28
EPA 6020	08/07/07	02/19/07 11:02	2/21/2007 13:57
EPA 8260B	02/22/07	02/17/07 09:49	2/17/2007 15:39

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Client ID: MW- 9 **Lab ID:** C701268-05

Sampled: 02/09/07 07:25 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 10:35
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 13:59
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 16:05

Client ID: MW- 7 **Lab ID:** C701268-06

Sampled: 02/09/07 08:00 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 10:42
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:02
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 16:31

Client ID: PZ- 2 **Lab ID:** C701268-07

Sampled: 02/09/07 08:40 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:05
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:04
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 16:57

Client ID: MW- 2 **Lab ID:** C701268-08

Sampled: 02/09/07 09:10 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:12
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:07
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 17:24

Client ID: MW- 1 **Lab ID:** C701268-09

Sampled: 02/09/07 09:40 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:19
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:09
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 17:49

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Client ID: MW- 10 **Lab ID:** C701268-10

Sampled: 02/09/07 10:15 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:26
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:12
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 18:15

Client ID: SPICER **Lab ID:** C701268-11

Sampled: 02/09/07 10:40 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:33
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:14
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 18:41

Client ID: HOBSON **Lab ID:** C701268-12

Sampled: 02/09/07 11:00 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:40
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:17
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 19:07

Client ID: R. CAUDLE **Lab ID:** C701268-13

Sampled: 02/09/07 11:35 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:47
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:19
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 19:33

Client ID: HUTCHINS **Lab ID:** C701268-14

Sampled: 02/09/07 11:50 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 11:54
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:26
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 19:59

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Client ID: COLLINS **Lab ID:** C701268-15

Sampled: 02/09/07 12:00 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 12:01
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:29
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 20:25

Client ID: MW- 4 **Lab ID:** C701268-16

Sampled: 02/09/07 12:35 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 12:08
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:31
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 20:51

Client ID: SW- 2 **Lab ID:** C701268-17

Sampled: 02/09/07 12:40 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 12:31
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:34
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 21:17

Client ID: SW- 1 **Lab ID:** C701268-18

Sampled: 02/09/07 12:50 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 12:38
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:36
EPA 8260B	02/23/07	02/17/07 09:49	2/17/2007 21:43

Client ID: MW- 5 **Lab ID:** C701268-19

Sampled: 02/09/07 13:20 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 12:45
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:39
EPA 8260B	02/23/07	02/17/07 09:51	2/18/2007 04:12

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Client ID: SW- 3 **Lab ID:** C701268-20

Sampled: 02/09/07 13:35 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:32	2/16/2007 12:52
EPA 6020	08/08/07	02/19/07 11:02	2/21/2007 14:41
EPA 8260B	02/23/07	02/17/07 09:51	2/18/2007 04:38

Client ID: MW- 6 **Lab ID:** C701268-21

Sampled: 02/09/07 14:00 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:28	2/15/2007 14:00
EPA 6020	08/08/07	02/19/07 11:05	2/21/2007 15:01
EPA 8260B	02/23/07	02/17/07 09:51	2/18/2007 05:04

Client ID: D. CAUDLE **Lab ID:** C701268-22

Sampled: 02/09/07 14:20 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/08/07	02/13/07 09:28	2/15/2007 14:55
EPA 6020	08/08/07	02/19/07 11:05	2/21/2007 15:03
EPA 8260B	02/23/07	02/17/07 09:51	2/18/2007 05:30

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-3 MS/MSD **Lab ID:** C701268-01

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	0.97	J	1	0.090	1.0	5	ug/L	EPA 8260B
1,2-Dichloroethane	6.4		1	0.36	1.0	1	ug/L	EPA 8260B
Arsenic	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	42.3	J	1	0.20	10.0	100	ug/L	EPA 6010B
Tetrachloroethene	3.1		1	0.25	1.0	1	ug/L	EPA 8260B
Trichlorofluoromethane	0.39	J	1	0.16	1.0	1	ug/L	EPA 8260B
Zinc	11.1		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 8D **Lab ID:** C701268-02

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	4.9	J	1	0.090	1.0	5	ug/L	EPA 8260B
1,1-Dichloroethene	0.32	J	1	0.14	1.0	5	ug/L	EPA 8260B
1,2-Dichloropropane	2.1		1	0.18	1.0	1	ug/L	EPA 8260B
1,4-Dichlorobenzene	2.5		1	0.15	1.0	1	ug/L	EPA 8260B
Arsenic	3.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	160		1	0.20	10.0	100	ug/L	EPA 6010B
Benzene	2.1		1	0.12	1.0	1	ug/L	EPA 8260B
Chlorobenzene	1.2	J	1	0.16	1.0	3	ug/L	EPA 8260B
Chloroethane	0.40	J	1	0.40	1.0	10	ug/L	EPA 8260B
cis-1,2-Dichloroethene	5.6		1	0.14	1.0	5	ug/L	EPA 8260B
Methylene chloride	31		1	0.088	2.0	1	ug/L	EPA 8260B
Selenium	4.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Tetrachloroethene	2.3		1	0.25	1.0	1	ug/L	EPA 8260B
Trichloroethene	2.7		1	0.23	1.0	1	ug/L	EPA 8260B
Trichlorofluoromethane	1.2		1	0.16	1.0	1	ug/L	EPA 8260B
Vinyl chloride	1.1		1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	2.1	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 8 **Lab ID:** C701268-03

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	0.60	J	1	0.090	1.0	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	0.46	J	1	0.15	1.0	1	ug/L	EPA 8260B
Barium	239		1	0.20	10.0	100	ug/L	EPA 6010B
Cadmium	0.50	J	1	0.50	1.00	1	ug/L	EPA 6010B
Chlorobenzene	2.0	J	1	0.16	1.0	3	ug/L	EPA 8260B
cis-1,2-Dichloroethene	2.5	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	4.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	2.00	J	1	0.60	10.0	10	ug/L	EPA 6010B
Tetrachloroethene	0.92	J	1	0.25	1.0	1	ug/L	EPA 8260B
Trichloroethene	0.93	J	1	0.23	1.0	1	ug/L	EPA 8260B
Vinyl chloride	0.35	J	1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	7.6	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: SW- 4 **Lab ID:** C701268-04

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	2.4	J	1	0.090	1.0	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	2.9		1	0.15	1.0	1	ug/L	EPA 8260B
Acetone	3.0	J	1	0.90	5.0	100	ug/L	EPA 8260B

Client ID: SW- 4 **Lab ID:** C701268-04

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	187		1	0.20	10.0	100	ug/L	EPA 6010B
Benzene	1.5		1	0.12	1.0	1	ug/L	EPA 8260B
Chlorobenzene	4.5		1	0.16	1.0	3	ug/L	EPA 8260B
cis-1,2-Dichloroethene	9.3		1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	6.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Methylene chloride	1.5	J	1	0.088	2.0	1	ug/L	EPA 8260B
Tetrachloroethene	0.78	J	1	0.25	1.0	1	ug/L	EPA 8260B
Trichloroethene	3.2		1	0.23	1.0	1	ug/L	EPA 8260B
Vinyl chloride	3.3		1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	3.9	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 9 **Lab ID:** C701268-05

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	153		1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Selenium	2.8	J	1	2.0	10.0	10	ug/L	EPA 6010B
Tetrachloroethene	0.42	J	1	0.25	1.0	1	ug/L	EPA 8260B
Thallium	0.052	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	1.6	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	13.4		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 7 **Lab ID:** C701268-06

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	436		1	0.20	10.0	100	ug/L	EPA 6010B
Benzene	0.36	J	1	0.12	1.0	1	ug/L	EPA 8260B
Chlorobenzene	3.0		1	0.16	1.0	3	ug/L	EPA 8260B
cis-1,2-Dichloroethene	0.40	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	24.8		1	2.0	10.0	10	ug/L	EPA 6010B
Tetrachloroethene	0.34	J	1	0.25	1.0	1	ug/L	EPA 8260B
Thallium	0.576	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vinyl chloride	1.1		1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	3.1	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: PZ- 2 **Lab ID:** C701268-07

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,2-Dichlorobenzene	0.35	J	1	0.17	1.0	5	ug/L	EPA 8260B
Acetone	18	J	1	0.90	5.0	100	ug/L	EPA 8260B
Barium	198		1	0.20	10.0	100	ug/L	EPA 6010B
Benzene	1.4		1	0.12	1.0	1	ug/L	EPA 8260B
Chlorobenzene	26		1	0.16	1.0	3	ug/L	EPA 8260B
Chloroethane	0.52	J	1	0.40	1.0	10	ug/L	EPA 8260B
cis-1,2-Dichloroethene	0.76	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	71.2		1	2.0	10.0	10	ug/L	EPA 6010B
Ethylbenzene	0.50	J	1	0.17	1.0	1	ug/L	EPA 8260B
Lead	2.8	J	1	2.0	10.0	10	ug/L	EPA 6010B
m,p-Xylenes	1.0	J	1	0.21	2.0	NE	ug/L	EPA 8260B
Methylene chloride	0.34	J	1	0.088	2.0	1	ug/L	EPA 8260B
o-Xylene	0.40	J	1	0.14	1.0	NE	ug/L	EPA 8260B
Tetrachloroethene	0.40	J	1	0.25	1.0	1	ug/L	EPA 8260B
Toluene	0.91	J	1	0.15	1.0	1	ug/L	EPA 8260B

Client ID: PZ- 2 **Lab ID:** C701268-07

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Trichloroethene	0.53	J	1	0.23	1.0	1	ug/L	EPA 8260B
Vinyl chloride	4.1		1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	2.5	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 2 **Lab ID:** C701268-08

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,4-Dichlorobenzene	0.99	J	1	0.15	1.0	1	ug/L	EPA 8260B
Barium	333		1	0.20	10.0	100	ug/L	EPA 6010B
Cadmium	0.50	J	1	0.50	1.00	1	ug/L	EPA 6010B
Chlorobenzene	1.2	J	1	0.16	1.0	3	ug/L	EPA 8260B
Cobalt	88.4		1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	15.3	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.213	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Toluene	0.30	J	1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	41.2		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 1 **Lab ID:** C701268-09

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	146		1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	8.0	J	1	2.0	10.0	10	ug/L	EPA 6010B
Cobalt	17.5		1	2.0	10.0	10	ug/L	EPA 6010B
Lead	5.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	6.5	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.309	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	30.7		1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	52.8		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 10 **Lab ID:** C701268-10

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	40.4	J	1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	2.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	1.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Thallium	0.046	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	1.9	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	21.1		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: SPICER **Lab ID:** C701268-11

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	2.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	29.9	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	7.50	J	1	0.60	10.0	10	ug/L	EPA 6010B
Selenium	2.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Zinc	63.1		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: HOBSON **Lab ID:** C701268-12

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	20.5	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	8.00	J	1	0.60	10.0	10	ug/L	EPA 6010B
Vanadium	3.6	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	173		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: R. CAUDLE **Lab ID:** C701268-13

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	62.6	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	2.70	J	1	0.60	10.0	10	ug/L	EPA 6010B
Zinc	35.9		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: HUTCHINS **Lab ID:** C701268-14

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	38.4	J	1	0.20	10.0	100	ug/L	EPA 6010B
Zinc	263		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: COLLINS **Lab ID:** C701268-15

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	3.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	16.7	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	286		1	0.60	10.0	10	ug/L	EPA 6010B
Lead	2.7	J	1	2.0	10.0	10	ug/L	EPA 6010B
Selenium	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B
Zinc	113		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 4 **Lab ID:** C701268-16

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Barium	178		1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	9.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Cobalt	15.1		1	2.0	10.0	10	ug/L	EPA 6010B
Copper	4.20	J	1	0.60	10.0	10	ug/L	EPA 6010B
Lead	7.8	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	5.2	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.151	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	24.5	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	31.9		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: SW- 2 **Lab ID:** C701268-17

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,2-Dichloropropane	1.1		1	0.18	1.0	1	ug/L	EPA 8260B
1,4-Dichlorobenzene	0.48	J	1	0.15	1.0	1	ug/L	EPA 8260B
Barium	55.3	J	1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	11.5		1	2.0	10.0	10	ug/L	EPA 6010B
Zinc	1.5	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: SW- 1 **Lab ID:** C701268-18

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	0.54	J	1	0.090	1.0	5	ug/L	EPA 8260B
1,2-Dichloropropane	0.67	J	1	0.18	1.0	1	ug/L	EPA 8260B
1,4-Dichlorobenzene	0.99	J	1	0.15	1.0	1	ug/L	EPA 8260B
Barium	51.1	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chlorobenzene	0.86	J	1	0.16	1.0	3	ug/L	EPA 8260B
cis-1,2-Dichloroethene	0.42	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	27.2		1	2.0	10.0	10	ug/L	EPA 6010B
Thallium	0.049	J	1	0.044	0.050	5.5	ug/L	EPA 6020

Client ID: MW- 5 **Lab ID:** C701268-19

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method

Client ID: MW- 5 **Lab ID:** C701268-19

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Acetone	13	J	1	0.90	5.0	100	ug/L	EPA 8260B
Barium	149		1	0.20	10.0	100	ug/L	EPA 6010B
Chromium	14.8		1	2.0	10.0	10	ug/L	EPA 6010B
Cobalt	4.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Copper	2.10	J	1	0.60	10.0	10	ug/L	EPA 6010B
Lead	13.4		1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	6.5	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.127	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	58.2		1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	32.9		1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: SW- 3 **Lab ID:** C701268-20

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,2-Dichloropropane	0.59	J	1	0.18	1.0	1	ug/L	EPA 8260B
1,4-Dichlorobenzene	0.36	J	1	0.15	1.0	1	ug/L	EPA 8260B
Barium	50.9	J	1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	10.1		1	2.0	10.0	10	ug/L	EPA 6010B
Copper	4.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	4.9	J	1	2.0	10.0	50	ug/L	EPA 6010B
Zinc	5.6	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: MW- 6 **Lab ID:** C701268-21

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
1,2-Dichlorobenzene	0.37	J	1	0.17	1.0	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	3.1		1	0.15	1.0	1	ug/L	EPA 8260B
Barium	40.5	J	1	0.20	10.0	100	ug/L	EPA 6010B
Benzene	1.1		1	0.12	1.0	1	ug/L	EPA 8260B
Chlorobenzene	2.8	J	1	0.16	1.0	3	ug/L	EPA 8260B
Chloroethane	0.49	J	1	0.40	1.0	10	ug/L	EPA 8260B
cis-1,2-Dichloroethene	3.6	J	1	0.14	1.0	5	ug/L	EPA 8260B
Cobalt	78.3		1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	19.7	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.417	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Toluene	0.39	J	1	0.15	1.0	1	ug/L	EPA 8260B
Vinyl chloride	0.78	J	1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	3.5	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: D. CAUDLE **Lab ID:** C701268-22

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	20.3	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	6.20	J	1	0.60	10.0	10	ug/L	EPA 6010B
Lead	2.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	2.2	J	1	2.0	10.0	50	ug/L	EPA 6010B
Vanadium	2.9	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	1110		1	1.0	10.0	10	ug/L	EPA 6010B

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ANALYTICAL REPORT

Sample ID:	MW-3 MS/MSD	Project:	Yadkin Old Closed LF
Lab #:	C701268-01	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**0.97** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	**6.4**	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-3 MS/MSD	Project:	Yadkin Old Closed LF
Lab #:	C701268-01	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**3.1**	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	**0.39** J	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	108 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	105 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	103 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-3 MS/MSD
Lab #: C701268-01

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	**2.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**42.3** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**11.1**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 8D	Project:	Yadkin Old Closed LF
Lab #:	C701268-02	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**4.9** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	**0.32** J	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	**2.1**	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**2.5**	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	**2.1**	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**1.2** J	0.16	1.0	3	ug/L
Chloroethane	75-00-3	**0.40** J	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**5.6**	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**31**	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 8D	Project:	Yadkin Old Closed LF
Lab #:	C701268-02	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**2.3**	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	**2.7**	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	**1.2**	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**1.1**	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	103 %	68.8-111.3
Toluene-d8	2037-26-5	51	50.0	102 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 8D
Lab #: C701268-02

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	**3.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**160**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	**4.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**2.1** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 8	Project:	Yadkin Old Closed LF
Lab #:	C701268-03	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**0.60**	J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17	U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18	U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**0.46**	J	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90	U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12	U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**2.0**	J	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40	U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**2.5**	J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17	U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21	U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088	U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 8	Project:	Yadkin Old Closed LF
Lab #:	C701268-03	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**0.92** J	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	**0.93** J	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**0.35** J	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	112 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	103 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 8
Lab #: C701268-03

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**239**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	**0.50** J	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**4.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**2.00** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**7.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	SW- 4	Project:	Yadkin Old Closed LF
Lab #:	C701268-04	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**2.4** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**2.9**	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	**3.0** J	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	**1.5**	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**4.5**	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**9.3**	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**1.5** J	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	SW- 4	Project:	Yadkin Old Closed LF
Lab #:	C701268-04	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**0.78** J	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	**3.2**	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**3.3**	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57	50.0	113 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	54	50.0	108 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: SW- 4
Lab #: C701268-04

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**187**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**6.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**3.9** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 9	Project:	Yadkin Old Closed LF
Lab #:	C701268-05	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 9	Project:	Yadkin Old Closed LF
Lab #:	C701268-05	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**0.42** J	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	54	50.0	108 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 9
Lab #: C701268-05

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**153**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**2.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	**2.8** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.052** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	**1.6** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**13.4**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 7	Project:	Yadkin Old Closed LF
Lab #:	C701268-06	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090	U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17	U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18	U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15	U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90	U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	**0.36**	J	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**3.0**		0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40	U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.40**	J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17	U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21	U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088	U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 7	Project:	Yadkin Old Closed LF
Lab #:	C701268-06	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**0.34** J	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**1.1**	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57	50.0	114 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	106 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 7
Lab #: C701268-06

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**436**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**24.8**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.576** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**3.1** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	PZ- 2	Project:	Yadkin Old Closed LF
Lab #:	C701268-07	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090	U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	**0.35**	J	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18	U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15	U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	**18**	J	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	**1.4**		0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**26**		0.16	1.0	3	ug/L
Chloroethane	75-00-3	**0.52**	J	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.76**	J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	**0.50**	J	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	**1.0**	J	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**0.34**	J	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	PZ- 2	Project:	Yadkin Old Closed LF
Lab #:	C701268-07	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	**0.40** J	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	**0.40** J	0.25	1.0	1	ug/L
Toluene	108-88-3	**0.91** J	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	**0.53** J	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**4.1**	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	111 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	103 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	103 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: PZ- 2
Lab #: C701268-07

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**198**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**71.2**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	**2.8** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**2.5** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 2	Project:	Yadkin Old Closed LF
Lab #:	C701268-08	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090	U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17	U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18	U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**0.99**	J	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90	U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12	U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**1.2**	J	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40	U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14	U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17	U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21	U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088	U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 2	Project:	Yadkin Old Closed LF
Lab #:	C701268-08	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	**0.30** J	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	112 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	106 %	68.8-111.3
Toluene-d8	2037-26-5	53	50.0	106 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 2
Lab #: C701268-08

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**333**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	**0.50** J	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**88.4**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	**15.3** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.213** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**41.2**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 1	Project:	Yadkin Old Closed LF
Lab #:	C701268-09	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 1	Project:	Yadkin Old Closed LF
Lab #:	C701268-09	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57	50.0	114 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	107 %	68.8-111.3
Toluene-d8	2037-26-5	51	50.0	102 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 1
Lab #: C701268-09

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**146**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	**8.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**17.5**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	**5.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	**6.5** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.309** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	**30.7**	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**52.8**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 10	Project:	Yadkin Old Closed LF
Lab #:	C701268-10	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 10	Project:	Yadkin Old Closed LF
Lab #:	C701268-10	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	112 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	105 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 10
Lab #: C701268-10

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**40.4** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**2.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**1.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.046** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	**1.9** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**21.1**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	SPICER	Project:	Yadkin Old Closed LF
Lab #:	C701268-11	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	SPICER	Project:	Yadkin Old Closed LF
Lab #:	C701268-11	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	111 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	106 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: SPICER
Lab #: C701268-11

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	**2.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**29.9** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**7.50** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	**2.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**63.1**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	HOBSON	Project:	Yadkin Old Closed LF
Lab #:	C701268-12	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	HOBSON	Project:	Yadkin Old Closed LF
Lab #:	C701268-12	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57	50.0	115 %	66.9-124.7
Dibromofluoromethane	1868-53-7	55	50.0	110 %	68.8-111.3
Toluene-d8	2037-26-5	51	50.0	102 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: HOBSON
Lab #: C701268-12

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**20.5** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**8.00** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	**3.6** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**173**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	R. CAUDLE	Project:	Yadkin Old Closed LF
Lab #:	C701268-13	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	R. CAUDLE	Project:	Yadkin Old Closed LF
Lab #:	C701268-13	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	113 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	106 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: R. CAUDLE
Lab #: C701268-13

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**62.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**2.70** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**35.9**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	HUTCHINS	Project:	Yadkin Old Closed LF
Lab #:	C701268-14	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	HUTCHINS	Project:	Yadkin Old Closed LF
Lab #:	C701268-14	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	58	50.0	115 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	106 %	68.8-111.3
Toluene-d8	2037-26-5	53	50.0	106 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: HUTCHINS
Lab #: C701268-14

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**38.4** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**263**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	COLLINS	Project:	Yadkin Old Closed LF
Lab #:	C701268-15	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	COLLINS	Project:	Yadkin Old Closed LF
Lab #:	C701268-15	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	112 %	66.9-124.7
Dibromofluoromethane	1868-53-7	54	50.0	108 %	68.8-111.3
Toluene-d8	2037-26-5	54	50.0	109 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: COLLINS
Lab #: C701268-15

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	**3.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**16.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**286**	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	**2.7** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	**3.1** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**113**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 4	Project:	Yadkin Old Closed LF
Lab #:	C701268-16	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 4	Project:	Yadkin Old Closed LF
Lab #:	C701268-16	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	124 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	106 %	68.8-111.3
Toluene-d8	2037-26-5	57	50.0	113 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 4
Lab #: C701268-16

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**178**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	**9.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**15.1**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**4.20** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	**7.8** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	**5.2** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.151** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	**24.5** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**31.9**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	SW- 2	Project:	Yadkin Old Closed LF
Lab #:	C701268-17	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090	U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17	U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	**1.1**		0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**0.48**	J	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90	U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12	U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16	U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40	U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14	U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17	U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21	U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088	U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	SW- 2	Project:	Yadkin Old Closed LF
Lab #:	C701268-17	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57	50.0	113 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	104 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	105 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: SW- 2
Lab #: C701268-17

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**55.3** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**11.5**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**1.5** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	SW- 1	Project:	Yadkin Old Closed LF
Lab #:	C701268-18	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**0.54**	J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17	U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	**0.67**	J	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**0.99**	J	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90	U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12	U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**0.86**	J	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40	U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.42**	J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17	U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21	U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088	U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	SW- 1	Project:	Yadkin Old Closed LF
Lab #:	C701268-18	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/17/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	58	50.0	116 %	66.9-124.7
Dibromofluoromethane	1868-53-7	54	50.0	107 %	68.8-111.3
Toluene-d8	2037-26-5	51	50.0	103 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: SW- 1
Lab #: C701268-18

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**51.1** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**27.2**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.049** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 5	Project:	Yadkin Old Closed LF
Lab #:	C701268-19	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	**13** J	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 5	Project:	Yadkin Old Closed LF
Lab #:	C701268-19	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	113 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	104 %	68.8-111.3
Toluene-d8	2037-26-5	53	50.0	106 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 5
Lab #: C701268-19

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**149**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	**14.8**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**4.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**2.10** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	**13.4**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	**6.5** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	**0.127** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	**58.2**	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**32.9**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	SW- 3	Project:	Yadkin Old Closed LF
Lab #:	C701268-20	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090	U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17	U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	**0.59**	J	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**0.36**	J	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90	U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12	U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16	U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40	U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14	U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17	U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21	U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088	U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	SW- 3	Project:	Yadkin Old Closed LF
Lab #:	C701268-20	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	104 %	68.8-111.3
Toluene-d8	2037-26-5	51	50.0	103 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: SW- 3
Lab #: C701268-20

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Barium	7440-39-3	**50.9** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13016
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13016
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Cobalt	7440-48-4	**10.1**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Copper	7440-50-8	**4.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Nickel	7440-02-0	**4.9** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13016
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19014
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13016
Zinc	7440-66-6	**5.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13016

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ANALYTICAL REPORT

Sample ID:	MW- 6	Project:	Yadkin Old Closed LF
Lab #:	C701268-21	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16	U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24	U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27	U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24	U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090	U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14	U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32	U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19	U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19	U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	**0.37**	J	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36	U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18	U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**3.1**		0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56	U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24	U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36	U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90	U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0	U	2.0	5.0	200	ug/L
Benzene	71-43-2	**1.1**		0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19	U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19	U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36	U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21	U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12	U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38	U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**2.8**	J	0.16	1.0	3	ug/L
Chloroethane	75-00-3	**0.49**	J	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16	U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18	U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**3.6**	J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18	U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14	U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17	U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23	U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21	U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088	U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	MW- 6	Project:	Yadkin Old Closed LF
Lab #:	C701268-21	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	**0.39** J	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**0.78** J	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	106 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	105 %	68.8-111.3
Toluene-d8	2037-26-5	49	50.0	98 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW- 6
Lab #: C701268-21

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19015
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Barium	7440-39-3	**40.5** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13015
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13015
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13015
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Cobalt	7440-48-4	**78.3**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Nickel	7440-02-0	**19.7** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13015
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Thallium	7440-28-0	**0.417** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19015
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13015
Zinc	7440-66-6	**3.5** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015

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ANALYTICAL REPORT

Sample ID:	D. CAUDLE	Project:	Yadkin Old Closed LF
Lab #:	C701268-22	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	D. CAUDLE	Project:	Yadkin Old Closed LF
Lab #:	C701268-22	Work Order #:	C701268
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57	50.0	114 %	66.9-124.7
Dibromofluoromethane	1868-53-7	55	50.0	111 %	68.8-111.3
Toluene-d8	2037-26-5	51	50.0	101 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: D. CAUDLE
Lab #: C701268-22

Project: Yadkin Old Closed LF
Work Order #: C701268
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7B19015
Arsenic	7440-38-2	**2.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Barium	7440-39-3	**20.3** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B13015
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13015
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B13015
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Copper	7440-50-8	**6.20** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Lead	7439-92-1	**2.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Nickel	7440-02-0	**2.2** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B13015
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7B19015
Vanadium	7440-62-2	**2.9** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B13015
Zinc	7440-66-6	**1110**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B13015

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7B17001 - EPA 5030B_MS

Blank (7B17001-BLK1) Prepared: 02/17/2007 09:49 Analyzed: 02/17/2007 13:56

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7B17001 - EPA 5030B_MS										
Blank (7B17001-BLK1) Continued				Prepared: 02/17/2007 09:49 Analyzed: 02/17/2007 13:56						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
Surrogate: Toluene-d8	*51*		*ug/L*	*50.0*		*102*	*87.3-120.3*			
Surrogate: 4-Bromofluorobenzene	*52*		*ug/L*	*50.0*		*103*	*66.9-124.7*			
Surrogate: Dibromofluoromethane	*49*		*ug/L*	*50.0*		*99*	*68.8-111.3*			
LCS (7B17001-BS1)				Prepared: 02/17/2007 09:49 Analyzed: 02/17/2007 12:11						
Benzene	22	1.0	ug/L	20.0		108	75.7-115.5			
Trichloroethene	20	1.0	ug/L	20.0		101	80.9-117.6			
Chlorobenzene	20	1.0	ug/L	20.0		98	75.2-115			
1,1-Dichloroethene	22	1.0	ug/L	20.0		109	57.1-141.1			
Toluene	22	1.0	ug/L	20.0		110	76.7-120			
Matrix Spike (7B17001-MS1)		**Source: C701268-01**		Prepared: 02/17/2007 09:49 Analyzed: 02/17/2007 12:38						
Benzene	22	1.0	ug/L	20.0	0.12 U	110	75.7-115.5			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	106	80.9-117.6			
Chlorobenzene	21	1.0	ug/L	20.0	0.16 U	104	75.2-115			
1,1-Dichloroethene	23	1.0	ug/L	20.0	0.14 U	115	57.1-141.1			
Toluene	21	1.0	ug/L	20.0	0.15 U	105	76.7-120			
Matrix Spike Dup (7B17001-MSD1)		**Source: C701268-01**		Prepared: 02/17/2007 09:49 Analyzed: 02/17/2007 13:04						
Benzene	22	1.0	ug/L	20.0	0.12 U	109	75.7-115.5	1	14.2	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	80.9-117.6	1	10.6	
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	102	75.2-115	2	11.9	
1,1-Dichloroethene	24	1.0	ug/L	20.0	0.14 U	119	57.1-141.1	3	12.3	
Toluene	22	1.0	ug/L	20.0	0.15 U	112	76.7-120	6	16.8	
Batch 7B17002 - EPA 5030B_MS										
Blank (7B17002-BLK1)				Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 02:28						
Acetone	0.90 U	5.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7B17002 - EPA 5030B_MS										
Blank (7B17002-BLK1) Continued				Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 02:28						
Chloroform	0.16 U	1.0	ug/L							
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
Surrogate: Toluene-d8	*49*		*ug/L*	*50.0*		*98*	*87.3-120.3*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.0*		*102*	*66.9-124.7*			
Surrogate: Dibromofluoromethane	*50*		*ug/L*	*50.0*		*100*	*68.8-111.3*			
LCS (7B17002-BS1)				Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 00:45						
Benzene	21	1.0	ug/L	20.0		106	75.7-115.5			
Trichloroethene	21	1.0	ug/L	20.0		107	80.9-117.6			
Chlorobenzene	19	1.0	ug/L	20.0		97	75.2-115			
1,1-Dichloroethene	23	1.0	ug/L	20.0		117	57.1-141.1			
Toluene	22	1.0	ug/L	20.0		110	76.7-120			
Matrix Spike (7B17002-MS1)		**Source: C701269-01**		Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 01:11						
Benzene	24 QM-07	1.0	ug/L	20.0	0.12 U	121	75.7-115.5			QM-07
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	107	80.9-117.6			
Chlorobenzene	22	1.0	ug/L	20.0	1.6	100	75.2-115			

QUALITY CONTROL

Analyte	Result		MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control											
Batch 7B17002 - EPA 5030B_MS											
Matrix Spike (7B17002-MS1) Continued			**Source: C701269-01**		Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 01:11						
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.14 U	116	57.1-141.1			
Toluene	280		1.0	ug/L	20.0	260	107	76.7-120			
Matrix Spike Dup (7B17002-MSD1)			**Source: C701269-01**		Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 01:37						
Benzene	24	QM-07	1.0	ug/L	20.0	0.12 U	118	75.7-115.5	3	14.2	QM-07
Trichloroethene	22		1.0	ug/L	20.0	0.23 U	108	80.9-117.6	0.9	10.6	
Chlorobenzene	22		1.0	ug/L	20.0	1.6	103	75.2-115	3	11.9	
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.14 U	112	57.1-141.1	4	12.3	
Toluene	240	QM-4X	1.0	ug/L	20.0	260	NR	76.7-120	14	16.8	QM-4X
Metals by EPA 6000/7000 Series Methods - Quality Control											
Batch 7B13015 - EPA 3005A											
Blank (7B13015-BLK1)					Prepared: 02/13/2007 09:28 Analyzed: 02/15/2007 13:16						
Arsenic	2.0	U	10.0	ug/L							
Barium	0.20	U	10.0	ug/L							
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Lead	2.0	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							
LCS (7B13015-BS1)					Prepared: 02/13/2007 09:28 Analyzed: 02/15/2007 13:23						
Arsenic	1050		10.0	ug/L	1000		105	82-117			
Barium	1040		10.0	ug/L	1000		104	72-125			
Beryllium	536		1.00	ug/L	500		107	75-121			
Cadmium	530		1.00	ug/L	500		106	72-120			
Chromium	1040		10.0	ug/L	1000		104	78-119			
Cobalt	1040		10.0	ug/L	1000		104	76-117			
Copper	514		10.0	ug/L	500		103	80-117			
Lead	1040		10.0	ug/L	1000		104	72-121			
Nickel	1050		10.0	ug/L	1000		105	78-116			
Selenium	1060		10.0	ug/L	1000		106	82-127			
Silver	105		10.0	ug/L	100		105	80-128			
Vanadium	509		10.0	ug/L	500		102	78-117			
Zinc	1050		10.0	ug/L	1000		105	80-120			
Matrix Spike (7B13015-MS1)			**Source: C701283-01**		Prepared: 02/13/2007 09:28 Analyzed: 02/15/2007 13:42						
Arsenic	1080		10.0	ug/L	1000	2.0 U	108	64-126			
Barium	1120		10.0	ug/L	1000	57.8	106	74-119			
Beryllium	550		1.00	ug/L	500	0.70 U	110	70-131			
Cadmium	541		1.00	ug/L	500	0.50 U	108	68-121			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B13015 - EPA 3005A										
Matrix Spike (7B13015-MS1) Continued		**Source: C701283-01**		Prepared: 02/13/2007 09:28 Analyzed: 02/15/2007 13:42						
Chromium	1060	10.0	ug/L	1000	2.0 U	106	73-120			
Cobalt	1080	10.0	ug/L	1000	23.6	106	76-120			
Copper	530	10.0	ug/L	500	2.10	106	75-123			
Lead	1050	10.0	ug/L	1000	2.0 U	105	68-126			
Nickel	1090	10.0	ug/L	1000	13.3	107	64-126			
Selenium	1090	10.0	ug/L	1000	2.0 U	109	65-129			
Silver	107	10.0	ug/L	100	2.0 U	107	69-121			
Vanadium	518	10.0	ug/L	500	1.0 U	104	71-130			
Zinc	1100	10.0	ug/L	1000	27.4	107	63-131			
Matrix Spike Dup (7B13015-MSD1)		**Source: C701283-01**		Prepared: 02/13/2007 09:28 Analyzed: 02/15/2007 13:49						
Arsenic	1060	10.0	ug/L	1000	2.0 U	106	64-126	2	12	
Barium	1100	10.0	ug/L	1000	57.8	104	74-119	2	11	
Beryllium	540	1.00	ug/L	500	0.70 U	108	70-131	2	21	
Cadmium	531	1.00	ug/L	500	0.50 U	106	68-121	2	12	
Chromium	1040	10.0	ug/L	1000	2.0 U	104	73-120	2	10	
Cobalt	1060	10.0	ug/L	1000	23.6	103	76-120	2	17	
Copper	520	10.0	ug/L	500	2.10	104	75-123	2	16	
Lead	1040	10.0	ug/L	1000	2.0 U	104	68-126	1	19	
Nickel	1070	10.0	ug/L	1000	13.3	105	64-126	2	12	
Selenium	1080	10.0	ug/L	1000	2.0 U	108	65-129	1	10	
Silver	105	10.0	ug/L	100	2.0 U	105	69-121	2	12	
Vanadium	510	10.0	ug/L	500	1.0 U	102	71-130	2	16	
Zinc	1080	10.0	ug/L	1000	27.4	105	63-131	2	24	
Batch 7B13016 - EPA 3005A										
Blank (7B13016-BLK1)				Prepared: 02/13/2007 09:32 Analyzed: 02/16/2007 09:32						
Arsenic	2.0 U	10.0	ug/L							
Barium	0.20 U	10.0	ug/L							
Beryllium	0.70 U	1.00	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Cobalt	2.0 U	10.0	ug/L							
Copper	0.60 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Nickel	2.0 U	10.0	ug/L							
Selenium	2.0 U	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
Vanadium	1.0 U	10.0	ug/L							
Zinc	1.0 U	10.0	ug/L							
LCS (7B13016-BS1)				Prepared: 02/13/2007 09:32 Analyzed: 02/16/2007 09:39						
Arsenic	1100	10.0	ug/L	1000		110	82-117			
Barium	1080	10.0	ug/L	1000		108	72-125			
Beryllium	560	1.00	ug/L	500		112	75-121			
Cadmium	553	1.00	ug/L	500		111	72-120			
Chromium	1090	10.0	ug/L	1000		109	78-119			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B13016 - EPA 3005A										
LCS (7B13016-BS1) Continued				Prepared: 02/13/2007 09:32 Analyzed: 02/16/2007 09:39						
Cobalt	1090	10.0	ug/L	1000		109	76-117			
Copper	535	10.0	ug/L	500		107	80-117			
Lead	1100	10.0	ug/L	1000		110	72-121			
Nickel	1100	10.0	ug/L	1000		110	78-116			
Selenium	1120	10.0	ug/L	1000		112	82-127			
Silver	111	10.0	ug/L	100		111	80-128			
Vanadium	534	10.0	ug/L	500		107	78-117			
Zinc	1100	10.0	ug/L	1000		110	80-120			
Matrix Spike (7B13016-MS1)		**Source: C701268-01**		Prepared: 02/13/2007 09:32 Analyzed: 02/16/2007 09:57						
Arsenic	1100	10.0	ug/L	1000	2.4	110	64-126			
Barium	1120	10.0	ug/L	1000	42.3	107	74-119			
Beryllium	564	1.00	ug/L	500	0.70 U	113	70-131			
Cadmium	556	1.00	ug/L	500	0.50 U	111	68-121			
Chromium	1090	10.0	ug/L	1000	2.0 U	109	73-120			
Cobalt	1090	10.0	ug/L	1000	2.0 U	109	76-120			
Copper	535	10.0	ug/L	500	0.60 U	107	75-123			
Lead	1100	10.0	ug/L	1000	2.0 U	110	68-126			
Nickel	1110	10.0	ug/L	1000	2.0 U	111	64-126			
Selenium	1130	10.0	ug/L	1000	2.0 U	113	65-129			
Silver	110	10.0	ug/L	100	2.0 U	110	69-121			
Vanadium	535	10.0	ug/L	500	1.0 U	107	71-130			
Zinc	1120	10.0	ug/L	1000	11.1	110	63-131			
Matrix Spike Dup (7B13016-MSD1)		**Source: C701268-01**		Prepared: 02/13/2007 09:32 Analyzed: 02/16/2007 10:04						
Arsenic	1100	10.0	ug/L	1000	2.4	110	64-126	0.6	12	
Barium	1110	10.0	ug/L	1000	42.3	106	74-119	1	11	
Beryllium	561	1.00	ug/L	500	0.70 U	112	70-131	0.5	21	
Cadmium	554	1.00	ug/L	500	0.50 U	111	68-121	0.4	12	
Chromium	1090	10.0	ug/L	1000	2.0 U	109	73-120	0.6	10	
Cobalt	1090	10.0	ug/L	1000	2.0 U	109	76-120	0.6	17	
Copper	530	10.0	ug/L	500	0.60 U	106	75-123	1	16	
Lead	1100	10.0	ug/L	1000	2.0 U	110	68-126	0.3	19	
Nickel	1100	10.0	ug/L	1000	2.0 U	110	64-126	0.7	12	
Selenium	1120	10.0	ug/L	1000	2.0 U	112	65-129	0.4	10	
Silver	109	10.0	ug/L	100	2.0 U	109	69-121	0.8	12	
Vanadium	533	10.0	ug/L	500	1.0 U	107	71-130	0.4	16	
Zinc	1120	10.0	ug/L	1000	11.1	110	63-131	0	24	
Batch 7B19014 - EPA 3005A										
Blank (7B19014-BLK1)				Prepared: 02/19/2007 11:02 Analyzed: 02/21/2007 13:34						
Antimony	1.00 U	5.00	ug/L							
Thallium	0.400 U	2.00	ug/L							
LCS (7B19014-BS1)				Prepared: 02/19/2007 11:02 Analyzed: 02/21/2007 13:37						
Antimony	52.8	5.00	ug/L	50.0		106	80-120			
Thallium	50.6	2.00	ug/L	50.0		101	80-120			
Matrix Spike (7B19014-MS1)		**Source: C701268-02**		Prepared: 02/19/2007 11:02 Analyzed: 02/21/2007 13:42						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B19014 - EPA 3005A										
Matrix Spike (7B19014-MS1) Continued		**Source: C701268-02**		Prepared: 02/19/2007 11:02 Analyzed: 02/21/2007 13:42						
Antimony	44.6	5.00	ug/L	50.0	1.00 U	89	70-130			
Thallium	41.1	2.00	ug/L	50.0	0.400 U	82	70-130			
Matrix Spike Dup (7B19014-MSD1)		**Source: C701268-02**		Prepared: 02/19/2007 11:02 Analyzed: 02/21/2007 13:44						
Antimony	41.3	5.00	ug/L	50.0	1.00 U	83	70-130	8	20	
Thallium	37.9	2.00	ug/L	50.0	0.400 U	76	70-130	8	20	
Batch 7B19015 - EPA 3005A										
Blank (7B19015-BLK1)				Prepared: 02/19/2007 11:05 Analyzed: 02/21/2007 14:44						
Antimony	1.00 U	5.00	ug/L							
Thallium	0.400 U	2.00	ug/L							
LCS (7B19015-BS1)				Prepared: 02/19/2007 11:05 Analyzed: 02/21/2007 14:46						
Antimony	54.3	5.00	ug/L	50.0		109	80-120			
Thallium	53.0	2.00	ug/L	50.0		106	80-120			
Matrix Spike (7B19015-MS1)		**Source: C701269-02**		Prepared: 02/19/2007 11:05 Analyzed: 02/21/2007 14:56						
Antimony	60.9	5.00	ug/L	50.0	1.00 U	122	70-130			
Thallium	53.3	2.00	ug/L	50.0	0.195	106	70-130			
Matrix Spike Dup (7B19015-MSD1)		**Source: C701269-02**		Prepared: 02/19/2007 11:05 Analyzed: 02/21/2007 14:59						
Antimony	57.1	5.00	ug/L	50.0	1.00 U	114	70-130	7	20	
Thallium	50.0	2.00	ug/L	50.0	0.195	100	70-130	6	20	

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
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Wednesday, February 21, 2007

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Project Number: G07017.0, Project Name/Desc: Yadkin Co. Landfills
ENCO Workorder: C701270

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, February 12, 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.

This data has been produced in accordance with NELAC standards (June, 2003). 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. 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 11.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: EB **Lab ID:** C701270-01

Sampled: 02/08/07 09:30 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/22/07	02/17/07 09:51	2/18/2007 03:46

Client ID: FB **Lab ID:** C701270-02

Sampled: 02/08/07 09:35 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/22/07	02/17/07 09:51	2/18/2007 03:20

Client ID: TB **Lab ID:** C701270-03

Sampled: 02/08/07 00:00 **Received:** 02/12/07 11:33

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/22/07	02/17/07 09:51	2/18/2007 02:54

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ANALYTICAL REPORT

Sample ID:	EB	Project:	Yadkin Co. Landfills
Lab #:	C701270-01	Work Order #:	C701270
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	EB	Project:	Yadkin Co. Landfills
Lab #:	C701270-01	Work Order #:	C701270
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	108 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	102 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID:	FB	Project:	Yadkin Co. Landfills
Lab #:	C701270-02	Work Order #:	C701270
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	FB	Project:	Yadkin Co. Landfills
Lab #:	C701270-02	Work Order #:	C701270
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	112 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	103 %	68.8-111.3
Toluene-d8	2037-26-5	50	50.0	100 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID:	TB	Project:	Yadkin Co. Landfills
Lab #:	C701270-03	Work Order #:	C701270
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	TB	Project:	Yadkin Co. Landfills
Lab #:	C701270-03	Work Order #:	C701270
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	02/18/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B17002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	107 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	100 %	68.8-111.3
Toluene-d8	2037-26-5	52	50.0	104 %	87.3-120.3

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7B17002 - EPA 5030B_MS

Blank (7B17002-BLK1) Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 02:28

Acetone	5.0 U	5.0	ug/L
Acrylonitrile	5.0 U	5.0	ug/L
Benzene	1.0 U	1.0	ug/L
2-Butanone	5.0 U	5.0	ug/L
2-Hexanone	5.0 U	5.0	ug/L
Iodomethane	2.0 U	2.0	ug/L
Tetrachloroethene	1.0 U	1.0	ug/L
4-Methyl-2-pentanone	5.0 U	5.0	ug/L
Bromochloromethane	1.0 U	1.0	ug/L
Trichloroethene	1.0 U	1.0	ug/L
Bromodichloromethane	0.40 U	0.40	ug/L
Bromoform	1.0 U	1.0	ug/L
Bromomethane	1.0 U	1.0	ug/L
Carbon disulfide	5.0 U	5.0	ug/L
Carbon tetrachloride	1.0 U	1.0	ug/L
Chlorobenzene	1.0 U	1.0	ug/L
Chloroethane	1.0 U	1.0	ug/L
Chloroform	1.0 U	1.0	ug/L
Chloromethane	1.0 U	1.0	ug/L
Dibromochloromethane	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L
1,2-Dibromoethane	1.0 U	1.0	ug/L
Dibromomethane	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L
1,1-Dichloroethane	1.0 U	1.0	ug/L
1,2-Dichloroethane	1.0 U	1.0	ug/L
1,1-Dichloroethene	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L
1,2-Dichloropropane	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
Ethylbenzene	1.0 U	1.0	ug/L
Methylene chloride	2.0 U	2.0	ug/L
Styrene	1.0 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L
Toluene	1.0 U	1.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7B17002 - EPA 5030B_MS										
Blank (7B17002-BLK1) Continued				Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 02:28						
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*49*		*ug/L*	*50.0*		*98*	*87.3-120.3*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.0*		*102*	*66.9-124.7*			
Surrogate: Dibromofluoromethane	*50*		*ug/L*	*50.0*		*100*	*68.8-111.3*			
LCS (7B17002-BS1)				Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 00:45						
Benzene	21	1.0	ug/L	20.0		106	75.7-115.5			
Trichloroethene	21	1.0	ug/L	20.0		107	80.9-117.6			
Chlorobenzene	19	1.0	ug/L	20.0		97	75.2-115			
1,1-Dichloroethene	23	1.0	ug/L	20.0		117	57.1-141.1			
Toluene	22	1.0	ug/L	20.0		110	76.7-120			
Matrix Spike (7B17002-MS1)		**Source: C701269-01**		Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 01:11						
Benzene	24 QM-07	1.0	ug/L	20.0	1.0 U	121	75.7-115.5			QM-07
Trichloroethene	21	1.0	ug/L	20.0	1.0 U	107	80.9-117.6			
Chlorobenzene	22	1.0	ug/L	20.0	1.6	100	75.2-115			
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.0 U	116	57.1-141.1			
Toluene	280	1.0	ug/L	20.0	260	107	76.7-120			
Matrix Spike Dup (7B17002-MSD1)		**Source: C701269-01**		Prepared: 02/17/2007 09:51 Analyzed: 02/18/2007 01:37						
Benzene	24 QM-07	1.0	ug/L	20.0	1.0 U	118	75.7-115.5	3	14.2	QM-07
Trichloroethene	22	1.0	ug/L	20.0	1.0 U	108	80.9-117.6	0.9	10.6	
Chlorobenzene	22	1.0	ug/L	20.0	1.6	103	75.2-115	3	11.9	
1,1-Dichloroethene	22	1.0	ug/L	20.0	1.0 U	112	57.1-141.1	4	12.3	
Toluene	240 QM-4X	1.0	ug/L	20.0	260	NR	76.7-120	14	16.8	QM-4X

NOTES AND DEFINITIONS

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
U	Analyte included in the analysis, but not detected

Laboratory Certification Summary

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591