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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

Municipal Engineering Services Co., P.A.

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

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

E-mail: jpfohl@mesco.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Cherokee County Closed Unlined MSWLF	Fairview Road (SR1515) Marble, NC 28905	20-01	.0500	February 18 & 19, 2008

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Jonathan Pfohl — Facility Representative Name (Print)
Environmental Specialist — Title
(919) 772-5393 — (Area Code) Telephone Number
Signature
6/5/08 — Date
Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

Semi-Annual Groundwater Sampling and Analysis Report

Prepared for

Cherokee County Closed Unlined MSWLF
Marble, North Carolina

February, 2008

Permit Number: 20-01
MESCO Project Number: G08006.0

Completed on June 5, 2008

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

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

June 3, 2008

Ms. Jacylnne 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 Report
Cherokee County Closed Unlined MSWLF
Permit No. 20-01
MESCO Project No. G08006.0

Dear Ms. Drummond:

The groundwater and surface waters surrounding the Cherokee County Closed unlined MSWLF located in Marble NC was sampled and analyzed as part of the semi-annual detection monitoring program on February 18 & 19, 2008. Municipal Engineering Services Company, P.A. (MESCO) sampled all of the locations contained in the approved sampling and analysis plan (SAP). The monitoring plan for the closed MSWLF consists of downgradient wells MW-1, MW-3, MW-4R, MW-5, MW-6, MW-6R, MW-7, and background wells MW-2 and MW-2R. Residential supply wells for all of the neighboring properties labeled as Rathbone, Van Buskirk (Haney), Pendergrass, and Solesbee. The surface water sampling point along the Valley river upstream of the facility named SW-1. The down stream surface monitoring locations along the Vally River SW-2 and SW-4 were sampled concurrently and are reported with the Subtitle D Landfill report submitted separately.

Environmental Conservation Laboratories (ENCO) of Cary, NC completed the laboratory analyses. The laboratory analyses consisted of the complete Appendix I list of VOCs and total metals for all locations. In addition to the Appendix I list of parameters the Appendix II SVOC naphthalene within MW-6 was analyzed for since low levels have previously been detected at this location.

The laboratory reported the analytical data to the method detection limit (MDL) with reference to the Solid Waste Section Limits (SWSL) as opposed to the PQL & SWSL limits which were historically used up until this event. All detected constituents were analyzed for regulatory exceedance with reference to the North Carolina Groundwater Standards NCGW2L and the Solid Waste Section implemented GWP Standards. The results are shown in the enclosed table titled "Detection Scan". The following tables summarize those metal constituents that exceeded the NCGW2L Standard and all of the VOCs detected above the SWSL during this monitoring event.

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PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

Table 1. NCGW2L Exceedance Summary (Total Metals)

Well	Nickel	Lead	Cumulative
MW-2R (Background)	180	20.2	101.9
Total	180	20.2	101.9

Italicized indicates detected above own respective historical identified range concentration (uq/L)

Inorganic constituents (total metals) continue to be detected within all of the monitoring locations in concentrations above the SWSL with the exception of MW-5, SW-1, and residential supply wells labeled Rathbone and Solesbee. Eight of the fifteen Appendix I metals were detected with all concentrations found within their respective historical identified ranges. The only metals found in exceedance of the NCGW2L Standard was nickel and lead within MW-2R which is located upgradient of the closed MSWLF and yielded the most turbid sample. The total metals are very likely naturally inherent in the groundwater and related to sample turbidity rather than a product of a leachate release.

Table 2. Detection Summary (VOCs)

	Aromatics			CAH's			Cumulative		
Well	**Benzene**	**1,4-DCB**	**Chlorobenzene**	**PCE**	**VCM**	**EtCl**	**Total**	**Maximum Total in a Single Historical Event**	**Current Historical Percentile**
MW-1		**8.9**	6.6				15.5	70.84	32.17
MW-2 (Background)				***0.73^{J}***			0.73^{J}	36.09	9.62
MW-3	*7.7*	***8.5***	25		*20*	25	86.2	86.2	100
MW-5		**9.1**	6.2				15.3	160	41.79
MW-6	**2.4**	**12**	7.6				22	2987.45	20.28
Total	10.1	38.5	39.2	0.73^{J}	20	25	139.73	3057	53.46

BOLD indicates detected in exceedance of NCGW2L Standard. *Italicized* indicates found above own respective historical identified range. "j" <SWSL therefore estimated concentration concentration (uq/L)

Down/Across gradient monitoring wells MW-1, MW-3, MW-5, and MW-6 and background well MW-2 were found to contain VOC detections in exceedance of the NCGW2L Standard during this sampling event. All of the monitoring locations that were found to contain VOCs contain dissolved phase aromatic hydrocarbons 1,4-DCB and/or it's common breakdown product benzene with the exception of the background well MW-2. An unprecedented detection of PCE in a concentration barely above the NCGW2L but below the SWSL was found within upgradient well MW-2. PCE within the upgradient well is a "J" qualifier therefore the concentration is an estimate. Upgradient well MW-3 was the only other location found to contain quantifiable concentrations of chlorinated aliphatic hydrocarbons (CAH's). Generally all of the detected VOCs are not grossly elevated, typical of contaminants commonly found in groundwater at MSWLF facilities and the source is likely attributed to leachate and or landfill gas (LFG) that originated from the closed unlined landfill.

Sitewide cumulative quantifiable VOC concentrations were found at 139.73 ug/L or above the 53 percentile indicating that the current VOC concentrations are consistent with historical data. However, after discounting the results of MW-3 which were found to be outliers which skewed the data the cumulative quantifiable VOC concentrations were only at the 25th percentile. Results of temporal trend analysis at a 95% confidence level through Sen's Slope Estimator and Mann Kendall analysis indicate that the site-wide cumulative VOC concentrations are not increasing over the entire period of record dating back the last 14 years.

Data distributions were reviewed using box and whiskers plots. In order to evaluate variability in concentrations with respect to time and season, time series plots were generated for all of the analytes detected above the NCGW2L. Time series plots were also visually evaluated for seasonality and "outliers" (defined as data that appears to be incongruent with respect to historical results). The results of the Dixon's test for outliers indicate that each of the VOC detections within MW-2 and MW-3 are all outliers. No apparent Seasonality was found in the latest data record.

With the exception of the premier non-quantifiable detection of PCE within the background well MW-2 only upgradient MW-3 contained any VOC in a concentration outside their respective identified historical range. All three of the VOCs that were found in exceedance of the NCGW2L Standard within MW-3 were found in unprecedented concentrations at that specific location. Subsequently the cumulative VOC concentrations within MW-3 were found at their highest ever recorded. The sudden presence of VOCs within MW-3 may possibly be in correlation with the rebound of groundwater levels from the extreme drought the area exhibited during 2007. Static water levels within MW-3 was reported to be dry during the previous event conducted in August 2007 but rose 9.54 feet at the time of this sampling event. It was reported that the active gas extraction wells and ancillary piping network was replaced in this specific area during the fall of 2007 which implies that deficiencies were found in the system which may have contributed to more LFG migration which may have impacted the groundwater. The LFG may have migrated to MW-3 through an areal pathway an intra-well (fully exposed screen during the drought) pathway or a combination. The regained efficiency of the gas extraction system and or the increase of groundwater levels may contribute to a reduction in VOC concentrations during future monitoring events.

MW-6, located in extremely close proximity south and across gradient of the waste boundary, continues to contain aromatics consisting of 1,4-DCB and it's biodegradation byproducts. All of the VOCs were detected in concentrations within their respective historical range and the cumulative VOC concentration is only approximately at the 20th percentile. A non-quantifiable concentration of the Appendix II parameter naphthalene was detected within MW-6. This is the first event that naphthalene has been found below the SWSL within MW-6 since 2000. It appears as though the impacted area is confined within the facility boundary as MW-6R located at the property line continues to lack any VOCs above the laboratory reporting limit.

Groundwater quality downgradient of the waste boundary in the northwest central portion of the facility monitored by MW-1 and MW-5 also continues to contain identical aromatic constituents in nearly identical concentrations. Cumulative VOC concentrations within both MW-1 and MW-5 were found lower than historical levels at the 32 and 42 percentile respectively. Surface water SW-2, along the discharge feature directly downgradient of MW-1 and MW-5 but reported with the Subtitle D MSWLF facility, continues to lack any detectable parameters indicating that the aromatics have likely not migrated to the compliance boundary or beyond.

VOCs were absent from all of the residential supply wells. During the sampling event Mr. Rathbone indicated that he regularly disinfects his well with chlorine bleach but the byproducts of such treatment were not detected during this event.

Surface water SW-4, located downstream of both the closed and active lined landfill continues to lack any detectable parameters indicating that neither facility has impacted the Vally River which serves as the discharge feature.

Municipal Engineering Services Company, P.A. (MESCO) completed the enclosed potentiometric map with groundwater elevations on the day of sampling, flow rates and direction. Time Series graphs for all wells containing VOC detections are also included. The closed landfill is scheduled to be sampled again concurrently with the Subtitle D landfill in August 2008. During the next sampling event all monitoring locations will be sampled for the Appendix I list and MW-6 will also continue to be analyzed for naphthalene. Additional sampling parameters will also be quantified in order to better determine the progress of natural attenuation. If you have any questions or comments regarding this report, please contact me at (919) 772-5393 or by email at jpfohl@mesco.com.

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

Jonathan Pfohl
Environmental Specialist

Enclosures
cc: Mr. Robert Allen
Cherokee County

Detection Scan All Detections above SWSL, GWP, and NCGW2L
Cherokee County Closed Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-1	**1,4-Dichlorobenzene**	**2/19/08**	**8.9**	**ug/L**	**0.15**	**1**	**1.4**		**7.5**	**Leachate &/or LFG**
MW-1	Chlorobenzene	2/19/08	6.6	ug/L	0.16	3	50			
MW-1	Cobalt	2/19/08	27.3	ug/L	2.0	10		70		
MW-2	Cobalt	2/18/08	69.1	ug/L	2.0	10		70		
MW-2	**Tetrachloroethene**	**2/18/08**	**0.73**	**ug/L**	**0.25**	**1**	**0.7**		**0.03**	**Leachate &/or LFG**
MW-2	**Thallium**	**2/18/08**	**0.56**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.28**	
MW-2	Zinc	2/18/08	34.5	ug/L	1.0	10	1050			
MW-2R	Barium	2/18/08	142	ug/L	0.20	100	2000			
MW-2R	**Beryllium**	**2/18/08**	**3.5**	**ug/L**	**0.70**	**1**		**2**	**1.5**	
MW-2R	Chromium	2/18/08	22.3	ug/L	2.0	10	50			
MW-2R	Cobalt	2/18/08	21.9	ug/L	2.0	10		70		
MW-2R	Copper	2/18/08	18.2	ug/L	0.60	10	1000			
MW-2R	**Lead**	**2/18/08**	**20.2**	**ug/L**	**2.0**	**10**	**15**		**5.2**	**Natural**
MW-2R	**Nickel**	**2/18/08**	**180**	**ug/L**	**2.0**	**50**	**100**		**80**	**Natural**
MW-2R	**Thallium**	**2/18/08**	**0.65**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.37**	
MW-2R	**Vanadium**	**2/18/08**	**19.2**	**ug/L**	**1.0**	**25**		**3.5**	**15.7**	
MW-2R	Zinc	2/18/08	316	ug/L	1.0	10	1050			
MW-3	**1,4-Dichlorobenzene**	**2/19/08**	**8.5**	**ug/L**	**0.75**	**1**	**1.4**		**7.1**	
MW-3	Barium	2/19/08	180	ug/L	0.2	100	2000			
MW-3	**Benzene**	**2/19/08**	**7.7**	**ug/L**	**0.6**	**1**	**1**		**6.7**	**Leachate &/or LFG**
MW-3	Chlorobenzene	2/19/08	25	ug/L	0.8	3	50			
MW-3	Chloroethane	2/19/08	25	ug/L	2	10	2800			
MW-3	Cobalt	2/19/08	54.1	ug/L	2	10		70		
MW-3	Lead	2/19/08	13	ug/L	2	10	15			
MW-3	**Vinyl chloride**	**2/19/08**	**20**	**ug/L**	**0.75**	**1**	**0.015**		**19.985**	**Leachate &/or LFG**
MW-4R	Cobalt	2/19/08	10.7	ug/L	2.0	10		70		
MW-4R	Zinc	2/19/08	126	ug/L	1.0	10	1050			
MW-5	**1,4-Dichlorobenzene**	**2/19/08**	**9.1**	**ug/L**	**0.15**	**1**	**1.4**		**7.7**	**Leachate &/or LFG**
MW-5	Chlorobenzene	2/19/08	6.2	ug/L	0.16	3	50			
MW-6	**1,4-Dichlorobenzene**	**2/19/08**	**12**	**ug/L**	**0.15**	**1**	**1.4**		**10.6**	**Leachate &/or LFG**
MW-6	**Benzene**	**2/19/08**	**2.4**	**ug/L**	**0.12**	**1**	**1**		**1.4**	**Leachate &/or LFG**
MW-6	Chlorobenzene	2/19/08	7.6	ug/L	0.16	3	50			
MW-6	Cobalt	2/19/08	29.1	ug/L	2.0	10		70		
MW-6	Zinc	2/19/08	25	ug/L	1.0	10	1050			
MW-6R	Zinc	2/18/08	12.8	ug/L	1.0	10	1050			
Pendergrass	Copper	2/19/08	51.3	ug/L	0.60	10	1000			
Pendergrass	Zinc	2/19/08	25.2	ug/L	1.0	10	1050			
Vanbuskirk (Haney)	Copper	2/19/08	13.2	ug/L	0.60	10	1000			
Vanbuskirk (Haney)	Zinc	2/19/08	15.2	ug/L	1.0	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
[4] GWP = Groundwater Protection Standard (Current as of Sampling Event)
LFG = Landfill Gas
NE = Not Established

Detection Scan All Detections Reported by Laboratory (>MDL)
Cherokee County Closed Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-1	1,2-Dichlorobenzene	2/19/08	0.55	ug/L	0.17	5	620			
MW-1	**1,4-Dichlorobenzene**	**2/19/08**	**8.9**	**ug/L**	**0.15**	**1**	**1.4**		**7.5**	**Leachate &/or LFG**
MW-1	Barium	2/19/08	63.1	ug/L	0.20	100	2000			
MW-1	Chlorobenzene	2/19/08	6.6	ug/L	0.16	3	50			
MW-1	cis-1,2-Dichloroethene	2/19/08	1.6	ug/L	0.14	5	70			
MW-1	Cobalt	2/19/08	27.3	ug/L	2.0	10		70		
MW-1	Nickel	2/19/08	6.1	ug/L	2.0	50	100			
MW-1	Thallium	2/19/08	0.175	ug/L	0.036	5.5		0.28		
MW-1	Zinc	2/19/08	1.7	ug/L	1.0	10	1050			
MW-2	1,1-Dichloroethane	2/18/08	2.3	ug/L	0.090	5	70			
MW-2	1,4-Dichlorobenzene	2/18/08	0.52	ug/L	0.15	1	1.4			
MW-2	Barium	2/18/08	76.1	ug/L	0.20	100	2000			
MW-2	Benzene	2/18/08	0.68	ug/L	0.12	1	1			
MW-2	cis-1,2-Dichloroethene	2/18/08	1.6	ug/L	0.14	5	70			
MW-2	Cobalt	2/18/08	69.1	ug/L	2.0	10		70		
MW-2	Nickel	2/18/08	21	ug/L	2.0	50	100			
MW-2	**Tetrachloroethene**	**2/18/08**	**0.73**	**ug/L**	**0.25**	**1**	**0.7**		**0.03**	**Leachate &/or LFG**
MW-2	**Thallium**	**2/18/08**	**0.56**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.28**	
MW-2	Zinc	2/18/08	34.5	ug/L	1.0	10	1050			
MW-2R	Arsenic	2/18/08	3.3	ug/L	2.0	10	50			
MW-2R	Barium	2/18/08	142	ug/L	0.20	100	2000			
MW-2R	**Beryllium**	**2/18/08**	**3.5**	**ug/L**	**0.70**	**1**		**2**	**1.5**	
MW-2R	Chromium	2/18/08	22.3	ug/L	2.0	10	50			
MW-2R	Cobalt	2/18/08	21.9	ug/L	2.0	10		70		
MW-2R	Copper	2/18/08	18.2	ug/L	0.60	10	1000			
MW-2R	**Lead**	**2/18/08**	**20.2**	**ug/L**	**2.0**	**10**	**15**		**5.2**	**Natural**
MW-2R	**Nickel**	**2/18/08**	**180**	**ug/L**	**2.0**	**50**	**100**		**80**	**Natural**
MW-2R	**Thallium**	**2/18/08**	**0.65**	**ug/L**	**0.036**	**5.5**		**0.28**	**0.37**	
MW-2R	**Vanadium**	**2/18/08**	**19.2**	**ug/L**	**1.0**	**25**		**3.5**	**15.7**	
MW-2R	Zinc	2/18/08	316	ug/L	1.0	10	1050			
MW-3	**1,4-Dichlorobenzene**	**2/19/08**	**8.5**	**ug/L**	**0.75**	**1**	**1.4**		**7.1**	
MW-3	Barium	2/19/08	180	ug/L	0.2	100	2000			
MW-3	**Benzene**	**2/19/08**	**7.7**	**ug/L**	**0.6**	**1**	**1**		**6.7**	**Leachate &/or LFG**
MW-3	Chlorobenzene	2/19/08	25	ug/L	0.8	3	50			
MW-3	Chloroethane	2/19/08	25	ug/L	2	10	2800			
MW-3	Cobalt	2/19/08	54.1	ug/L	2	10		70		
MW-3	Lead	2/19/08	13	ug/L	2	10	15			
MW-3	**Vinyl chloride**	**2/19/08**	**20**	**ug/L**	**0.75**	**1**	**0.015**		**19.985**	**Leachate &/or LFG**
MW-3	Zinc	2/19/08	7.5	ug/L	1	10	1050			
MW-4R	Arsenic	2/19/08	2	ug/L	2.0	10	50			
MW-4R	Barium	2/19/08	46.6	ug/L	0.20	100	2000			
MW-4R	cis-1,2-Dichloroethene	2/19/08	2	ug/L	0.14	5	70			
MW-4R	Cobalt	2/19/08	10.7	ug/L	2.0	10		70		
MW-4R	Thallium	2/19/08	0.141	ug/L	0.036	5.5		0.28		
MW-4R	Zinc	2/19/08	126	ug/L	1.0	10	1050			
MW-5	1,2-Dichlorobenzene	2/19/08	0.5	ug/L	0.17	5	620			
MW-5	**1,4-Dichlorobenzene**	**2/19/08**	**9.1**	**ug/L**	**0.15**	**1**	**1.4**		**7.7**	**Leachate &/or LFG**
MW-5	Arsenic	2/19/08	3.2	ug/L	2.0	10	50			
MW-5	Barium	2/19/08	36.1	ug/L	0.20	100	2000			
MW-5	Chlorobenzene	2/19/08	6.2	ug/L	0.16	3	50			
MW-5	cis-1,2-Dichloroethene	2/19/08	3.5	ug/L	0.14	5	70			
MW-5	Cobalt	2/19/08	3	ug/L	2.0	10		70		
MW-5	Nickel	2/19/08	4.8	ug/L	2.0	50	100			

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-5	Thallium	2/19/08	0.063	ug/L	0.036	5.5		0.28		
MW-5	Zinc	2/19/08	5	ug/L	1.0	10	1050			
MW-6	**1,4-Dichlorobenzene**	**2/19/08**	**12**	**ug/L**	**0.15**	**1**	**1.4**		**10.6**	**Leachate &/or LFG**
MW-6	Arsenic	2/19/08	3.3	ug/L	2.0	10	50			
MW-6	Barium	2/19/08	61.5	ug/L	0.20	100	2000			
MW-6	**Benzene**	**2/19/08**	**2.4**	**ug/L**	**0.12**	**1**	**1**		**1.4**	**Leachate &/or LFG**
MW-6	Carbon disulfide	2/19/08	2.2	ug/L	0.12	100	700			
MW-6	Chlorobenzene	2/19/08	7.6	ug/L	0.16	3	50			
MW-6	Chloroethane	2/19/08	1.4	ug/L	0.40	10	2800			
MW-6	cis-1,2-Dichloroethene	2/19/08	3	ug/L	0.14	5	70			
MW-6	Cobalt	2/19/08	29.1	ug/L	2.0	10		70		
MW-6	Copper	2/19/08	0.8	ug/L	0.60	10	1000			
MW-6	Naphthalene	2/19/08	7.7	ug/L	2.1	10	21			
MW-6	Thallium	2/19/08	0.229	ug/L	0.036	5.5		0.28		
MW-6	Xylenes (Total)	2/19/08	1.2	ug/L	0.21	5	530			
MW-6	Zinc	2/19/08	25	ug/L	1.0	10	1050			
MW-6R	Arsenic	2/18/08	2.3	ug/L	2.0	10	50			
MW-6R	Barium	2/18/08	91	ug/L	0.20	100	2000			
MW-6R	Copper	2/18/08	5.5	ug/L	0.60	10	1000			
MW-6R	Lead	2/18/08	6.7	ug/L	2.0	10	15			
MW-6R	Thallium	2/18/08	0.06	ug/L	0.036	5.5		0.28		
MW-6R	Vanadium	2/18/08	3.3	ug/L	1.0	25		3.5		
MW-6R	Zinc	2/18/08	12.8	ug/L	1.0	10	1050			
MW-7	Barium	2/19/08	56	ug/L	0.20	100	2000			
MW-7	Lead	2/19/08	3.1	ug/L	2.0	10	15			
Pendergrass	Arsenic	2/19/08	2.8	ug/L	2.0	10	50			
Pendergrass	Barium	2/19/08	3.1	ug/L	0.20	100	2000			
Pendergrass	Copper	2/19/08	51.3	ug/L	0.60	10	1000			
Pendergrass	Zinc	2/19/08	25.2	ug/L	1.0	10	1050			
Rathbone	Barium	2/19/08	3.9	ug/L	0.20	100	2000			
Rathbone	Copper	2/19/08	1.3	ug/L	0.60	10	1000			
Rathbone	Zinc	2/19/08	5.5	ug/L	1.0	10	1050			
Solesbee	Arsenic	2/19/08	4.6	ug/L	2.0	10	50			
Solesbee	Barium	2/19/08	1.9	ug/L	0.20	100	2000			
Solesbee	Copper	2/19/08	0.8	ug/L	0.60	10	1000			
Solesbee	Zinc	2/19/08	1	ug/L	1.0	10	1050			
SW-1	Arsenic	2/19/08	4.7	ug/L	2.0	10	50			
SW-1	Barium	2/19/08	7.1	ug/L	0.20	100	2000			
SW-1	Zinc	2/19/08	3.7	ug/L	1.0	10	1050			
Vanbuskirk (Haney)	Arsenic	2/19/08	3.2	ug/L	2.0	10	50			
Vanbuskirk (Haney)	Barium	2/19/08	28.2	ug/L	0.20	100	2000			
Vanbuskirk (Haney)	Copper	2/19/08	13.2	ug/L	0.60	10	1000			
Vanbuskirk (Haney)	Thallium	2/19/08	0.042	ug/L	0.036	5.5		0.28		
Vanbuskirk (Haney)	Zinc	2/19/08	15.2	ug/L	1.0	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

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

LFG = Landfill Gas

NE = Not Established

Hydrologic Properties at Monitoring Well Locations
Cherokee County Closed Landfill

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth Below Casing (ft)	Water Table Elev. (ft)
MW-1	5.50E-04	15%	0.04	146.4	N36W	3.1	1638.78
MW-2	4.40E-04	15%	0.06	176.7	N55W	25.51	1692.46
MW-2R	n/a	n/a	n/a	n/a	N57W	12.12	1694.5
MW-3	1.50E-03	15%	0.05	553.1	N50W	7.96	1680.61
MW-4R	3.50E-04	15%	0.05	128.3	N45W	4.27	1642.92
MW-5	1.20E-04	20%	0.05	30.7	N50W	3.51	1641.1
MW-6	5.10E-05	15%	0.06	20.9	N55W	30.63	1657.32
MW-6R	n/a	n/a	n/a	n/a	N56W	9.91	1655.9
MW-7	2.90E-04	5%	0.03	182.1	N9W	3.24	1643.61

NOTE: Data for conductivities and effective porosity obtained from GAI Consultants' Water Sampling Report

Hydrologic Gradient taken from the February 18, 2008 sampling event.

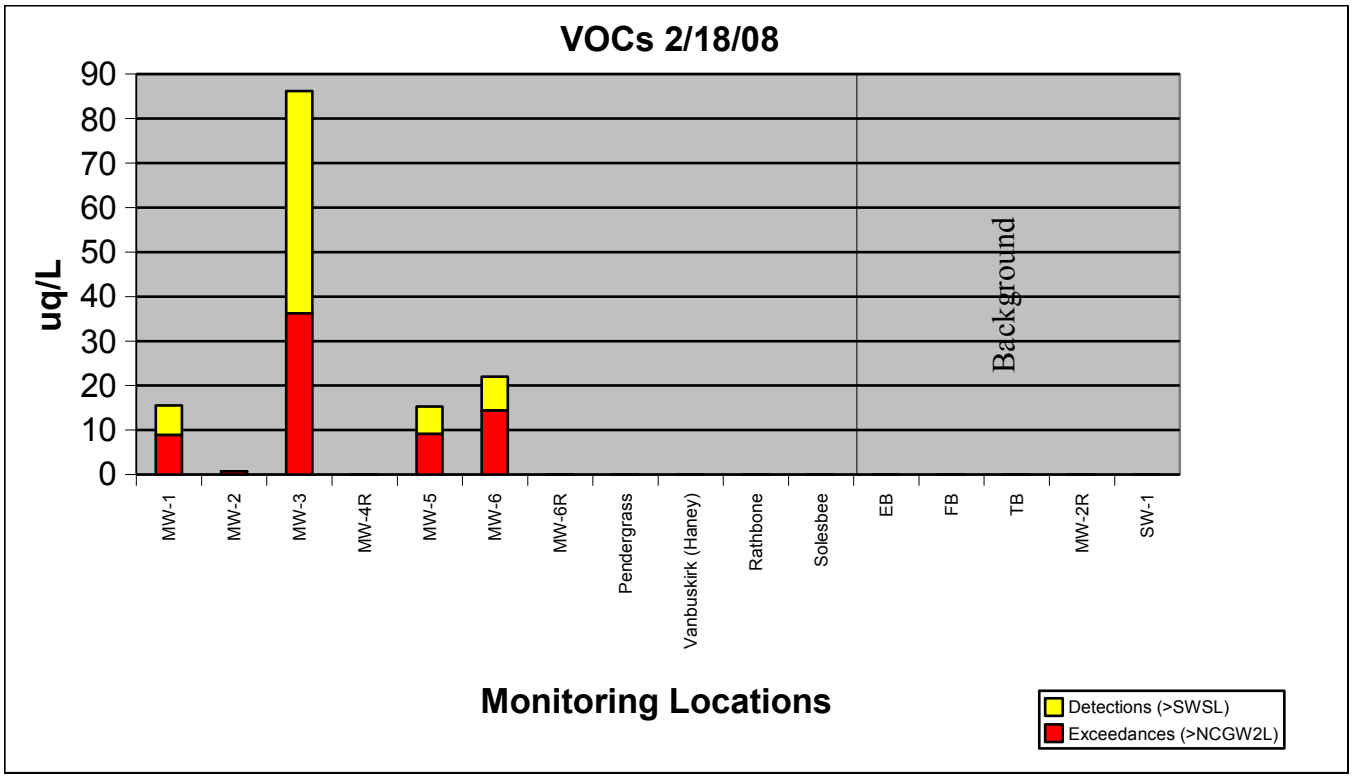
Flow rate (Q) is defined by the equation:

where

$$Q = -\frac{K}{n_e} \cdot \frac{dh}{dl}$$

K = hydraulic conductivity
ne = effective porosity
dh = head difference
dl = horizontal distance

VOC Histogram for All Detections above SWSL, GWP, and NCGW2L
Cherokee County Closed Landfill



Sample ID	Detected >SWSL<NCGW2L		Detected >NCGW2L		Cumulative >SWSL & >NCGW2L		Exceeded NCGW2L Aromatic Parameter(s)	Exceeded NCGW2L CAH Parameter(s)	Exceeded Parameter(s) Detected >Historical Identified Range
	#	Concentration (uq/L)	#	Concentration (uq/L)	#	Concentration (uq/L)			
MW-1	1	6.6	1	8.9	2	15.5	1,4-DCB	-	-
MW-2	0	0	1[J]	0.73[J]	0	0.73[J]	-	PCE[J]	PCE[J]
MW-3	2	50	3	36.2	5	86.2	1,4-DCB, Benzene	VC	1,4-DCB, Benzene, VC
MW-5	1	6.2	1	9.1	2	15.3	1,4-DCB	-	-
MW-6	1	7.6	2	14.4	3	22	1,4-DCB, Benzene	-	-
Total	**5**	**70.40**	**8**	**69.33**	**12**	**139.73**	**6**	**2**	**4**

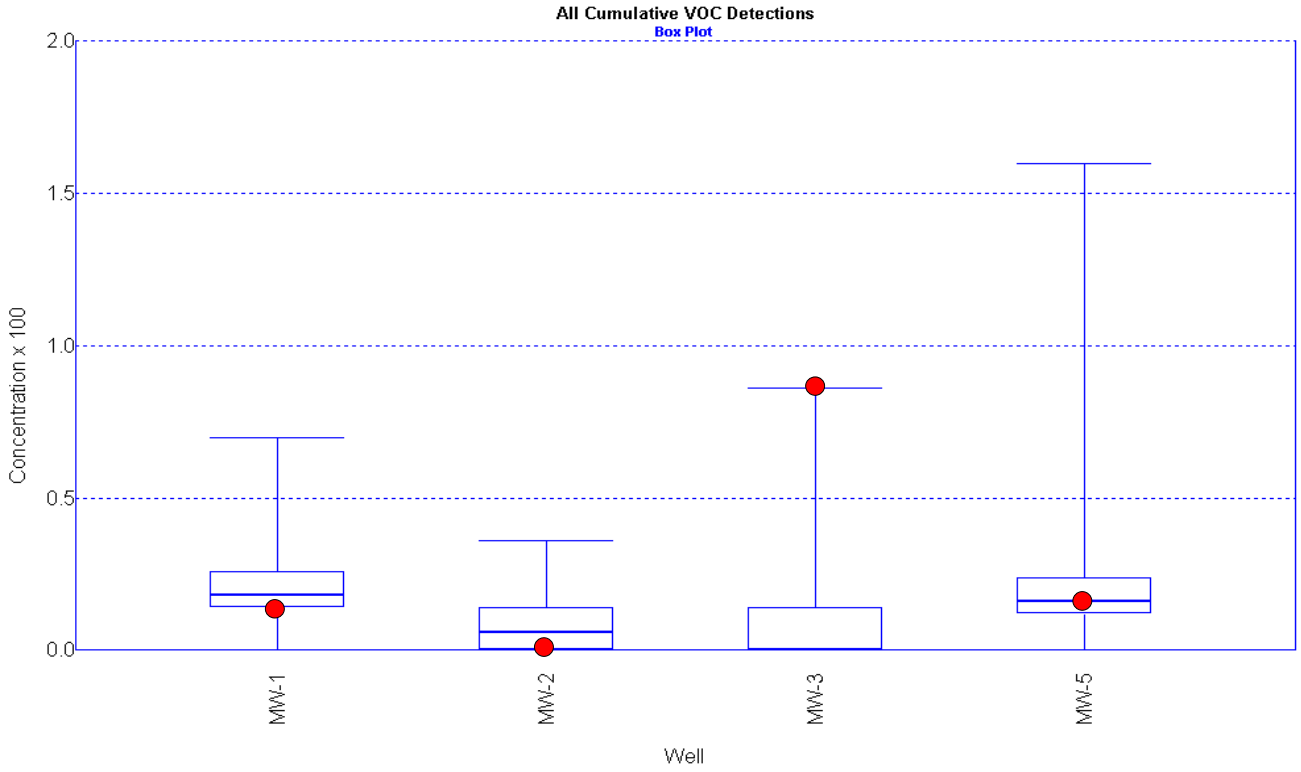
Table only contains VOC constituents detected above the SWSL, GWP, or NCGW2L Standard

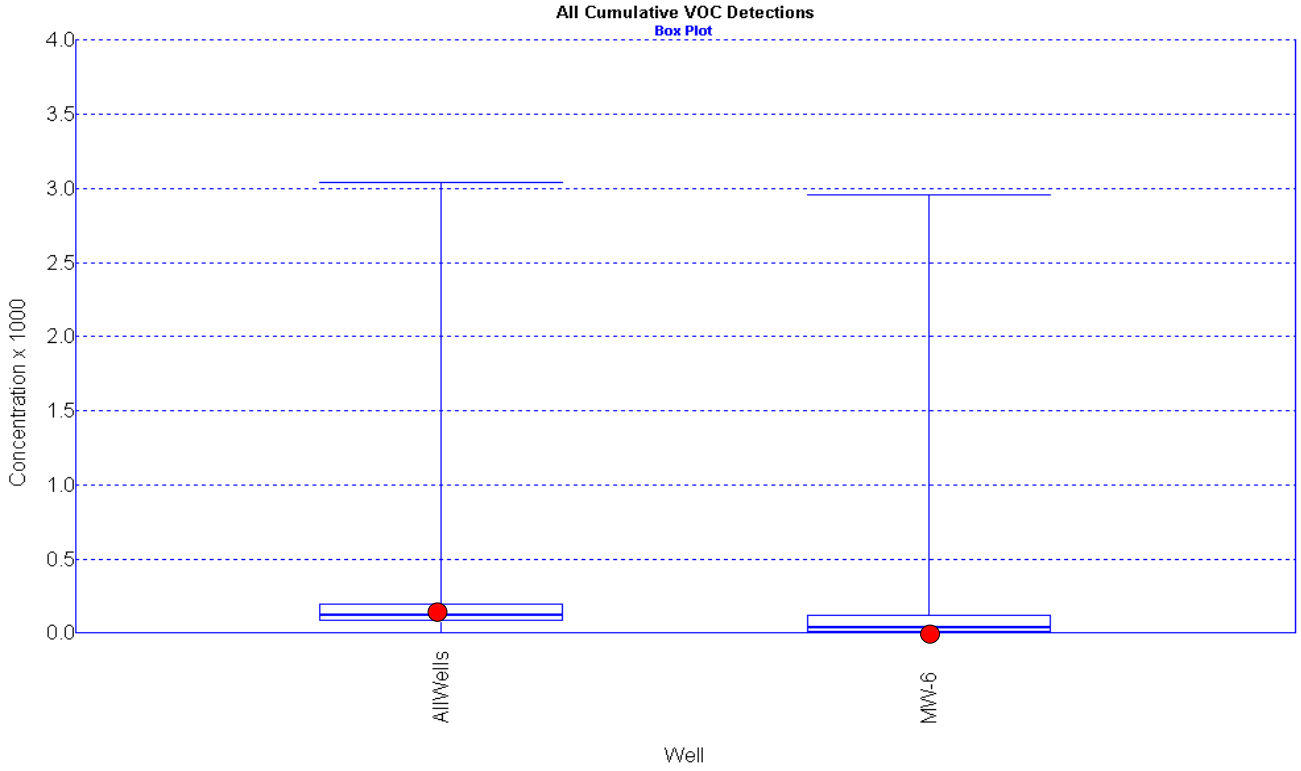
SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)

NCGW2L = North Carolina Ground Water 2L Standard (Current as of Sampling Event)

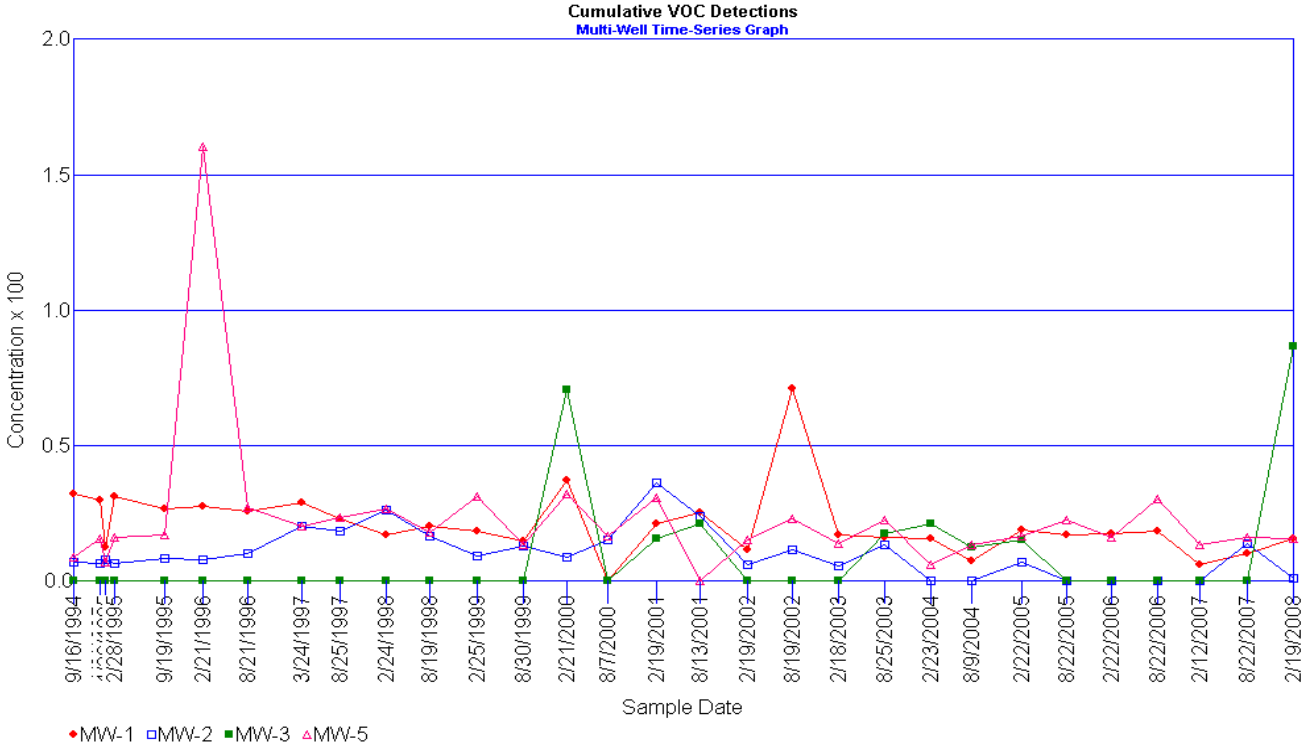
[J] = Detected >NCGW2L BUT <SWSL ("J" Qualifier) Therefore, concentration non-quantifiable or an estimated value

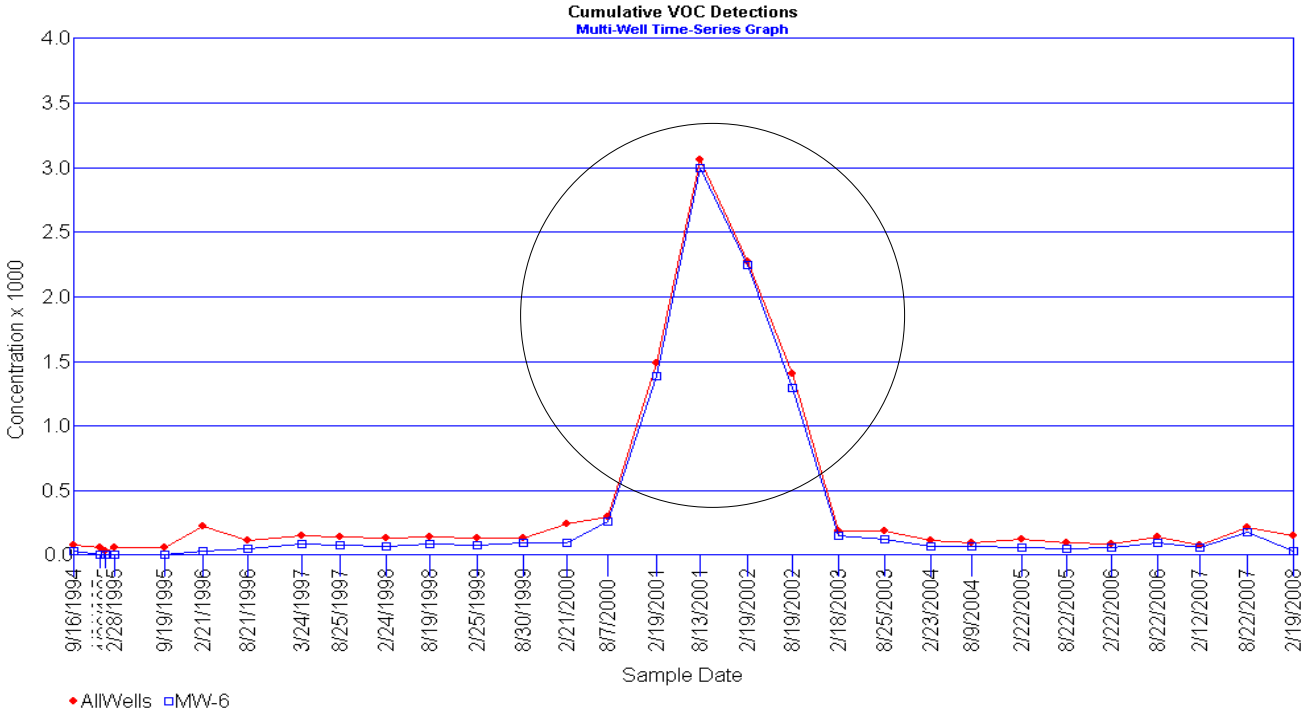
Histograms for Cumulative VOC Detections >SWSL
Cherokee County Closed Landfill





Time Series Plots for All Cumulative VOC Detections (All Wells with VOCs ever detected)
Cherokee County Closed Sanitary Landfill

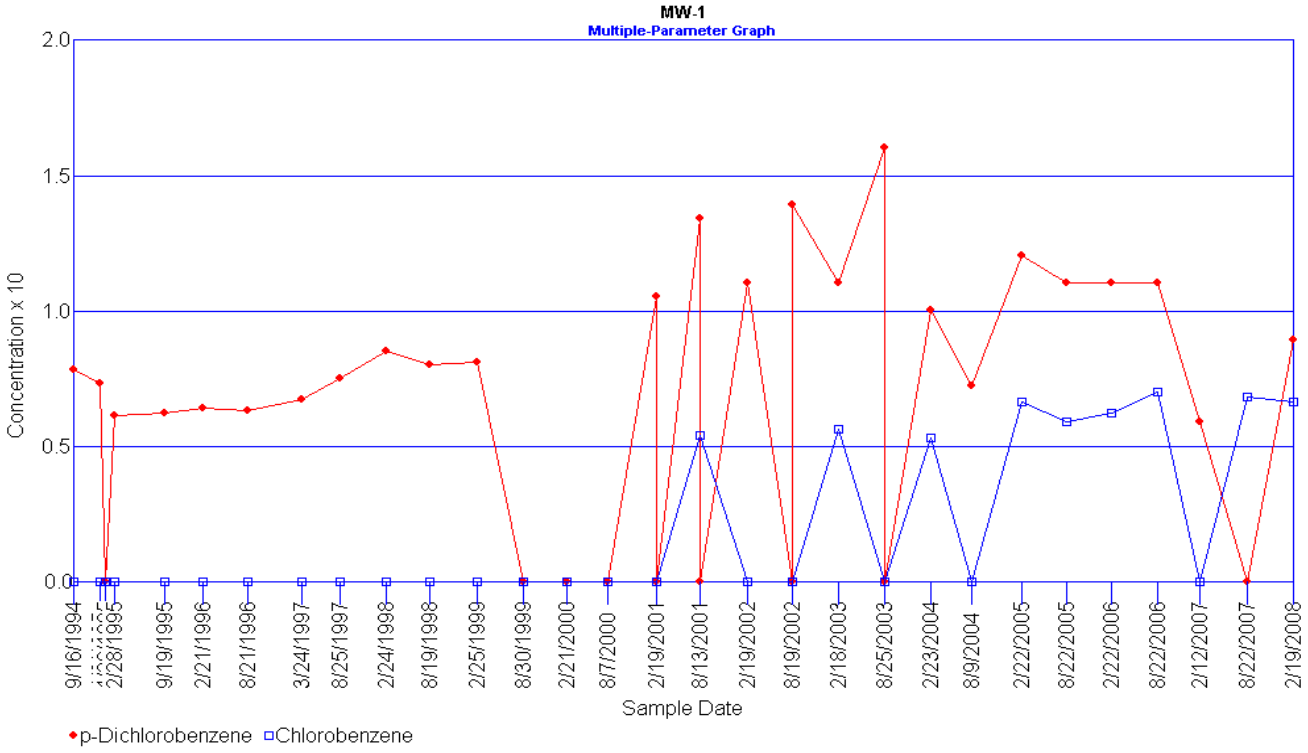




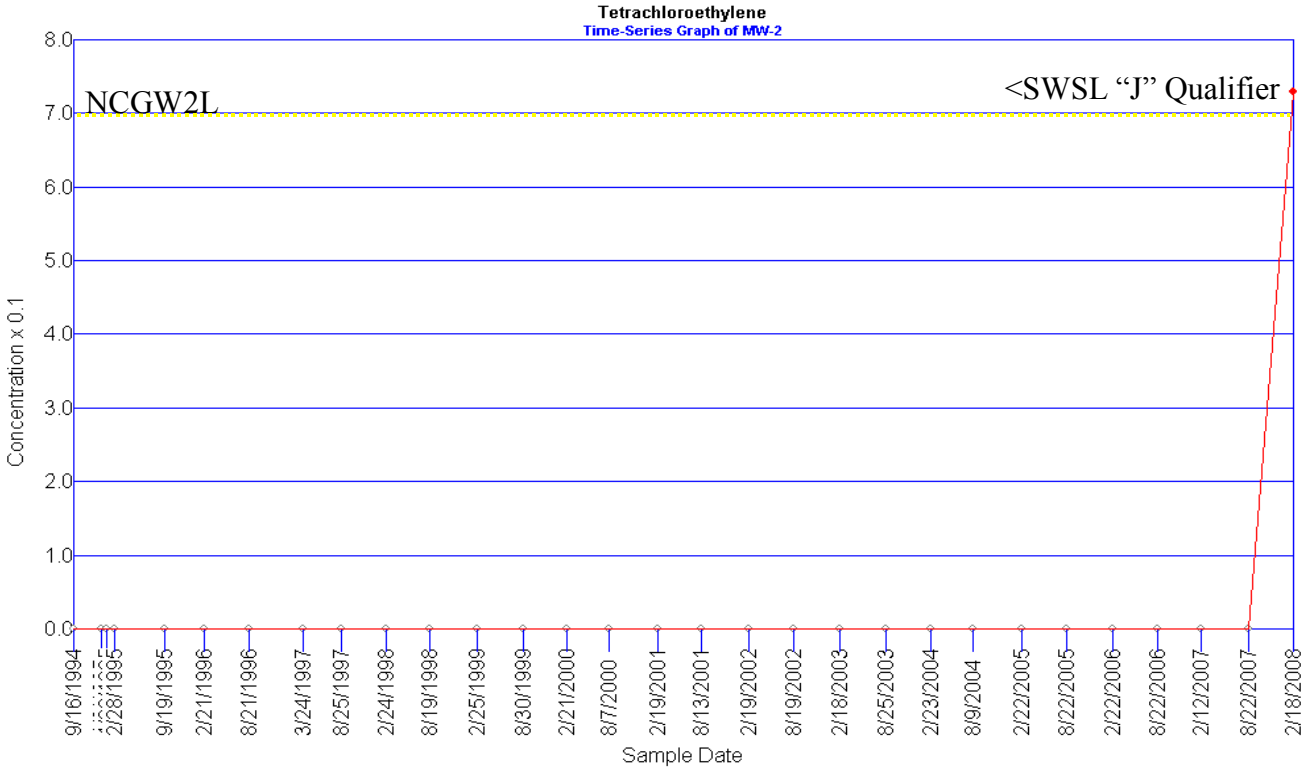
= 2-Butanone & derivative Acetone within MW-6 Skewed Data. ND Since 2/18/03

Time Series Plots for All Currently Detected VOC Constituents (MW-1)
Cherokee County Closed Landfill

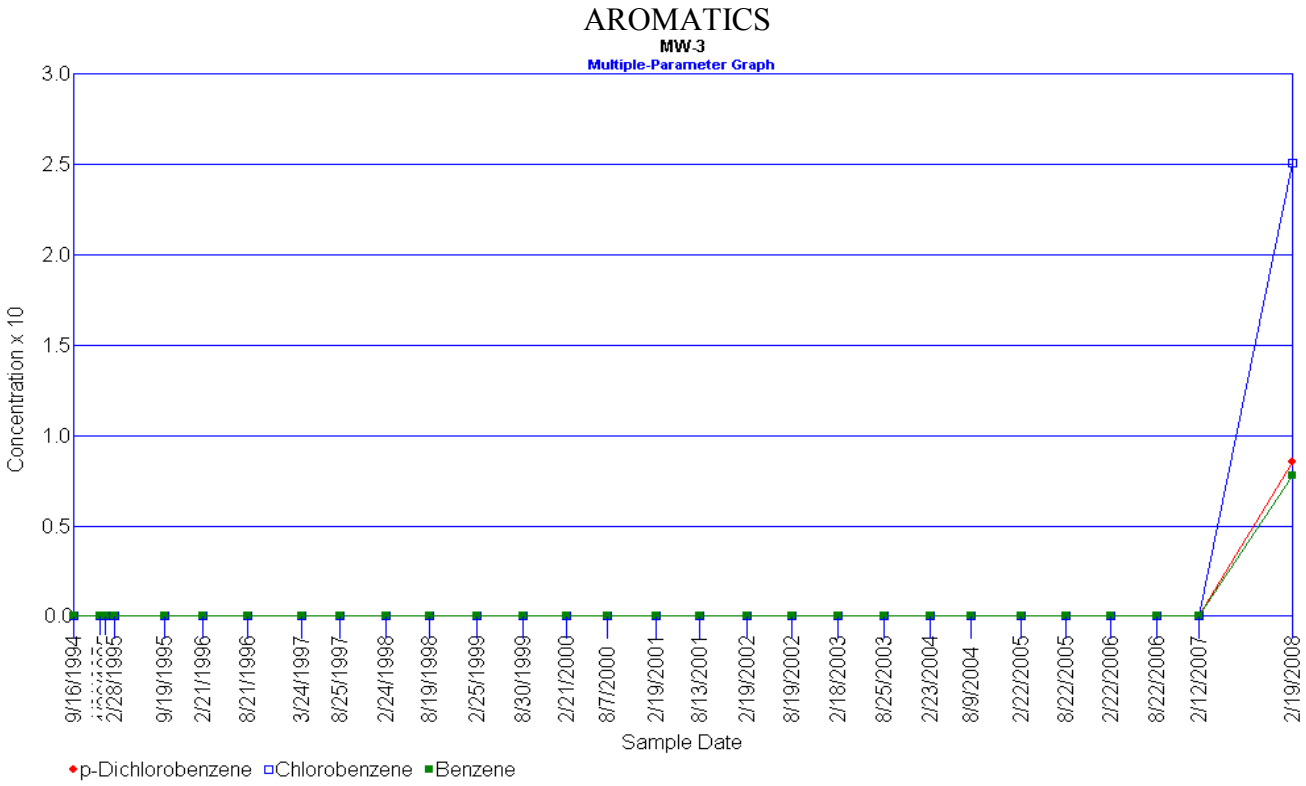
AROMATICS

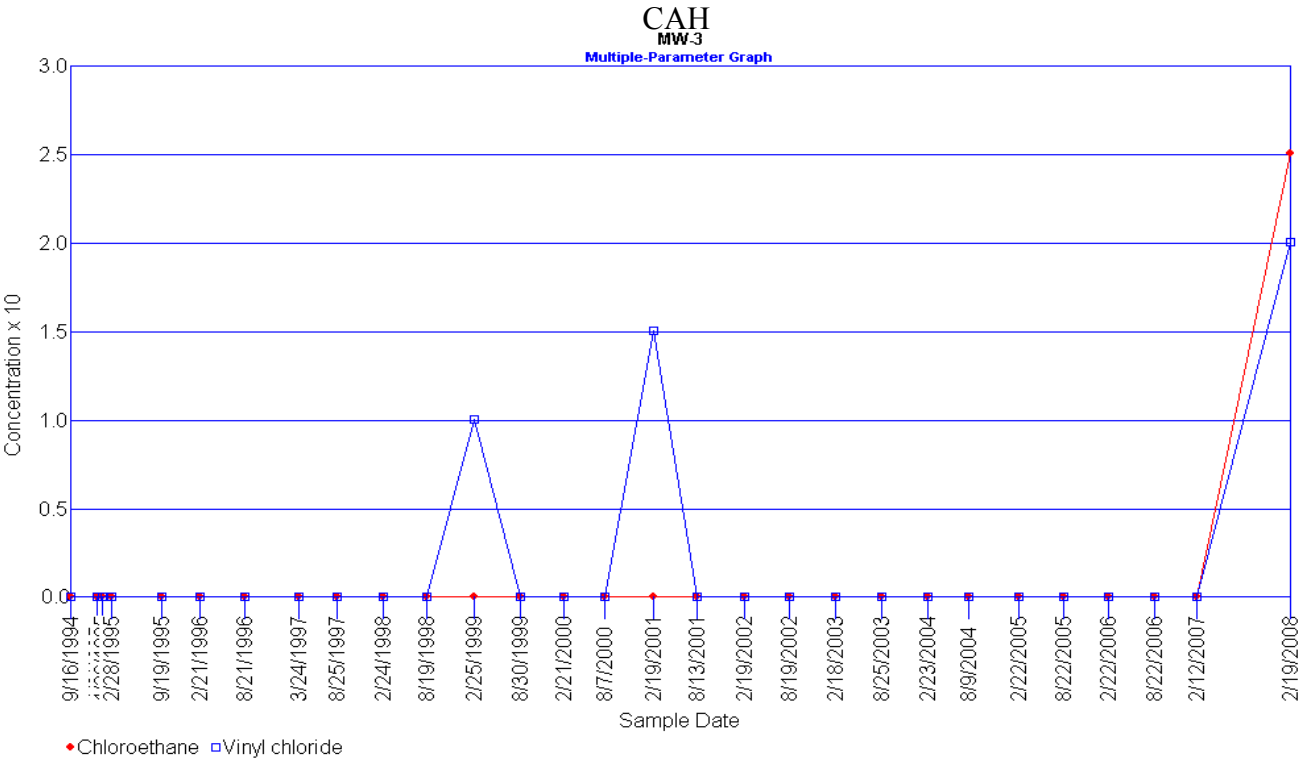


Time Series Plots for All Currently Detected VOC Constituents (MW-2)
Cherokee County Closed Landfill

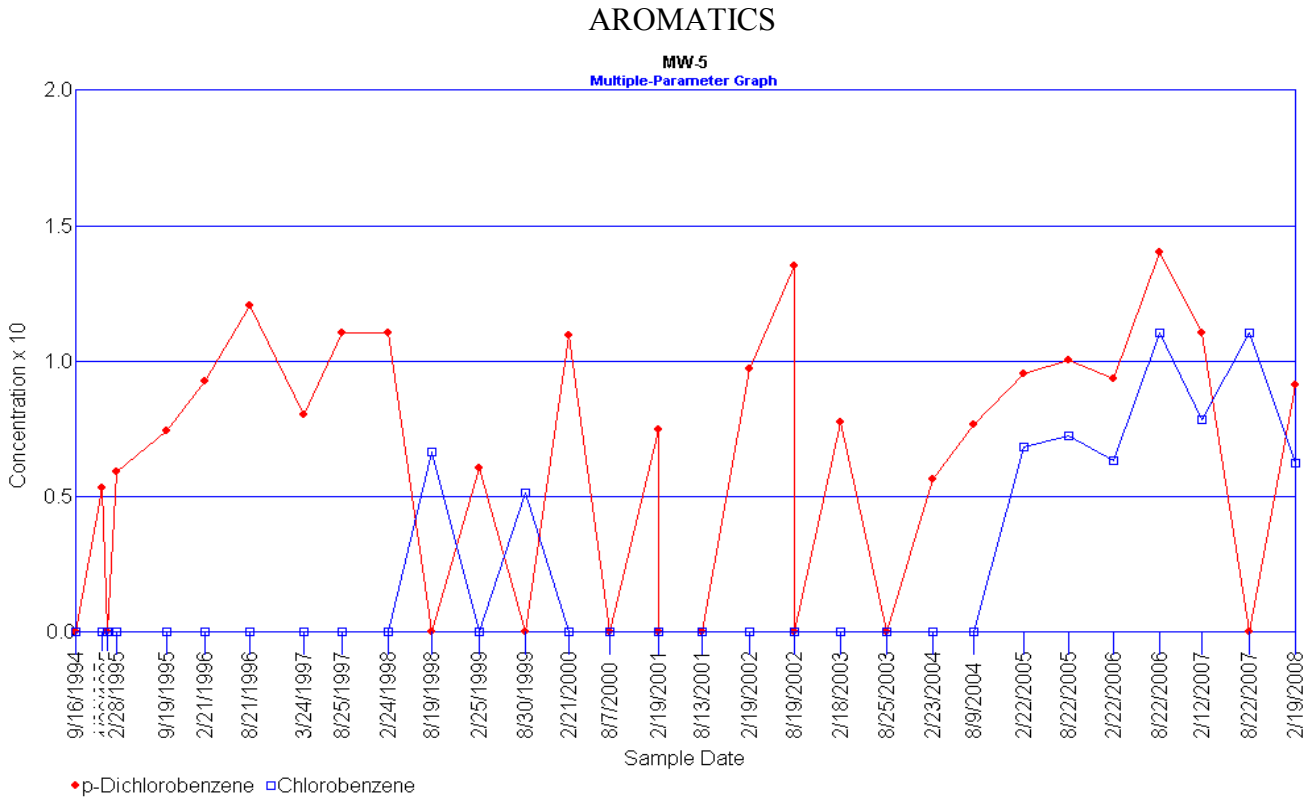


Time Series Plots for All Currently Detected VOC Constituents (MW-3)
Cherokee County Closed Landfill



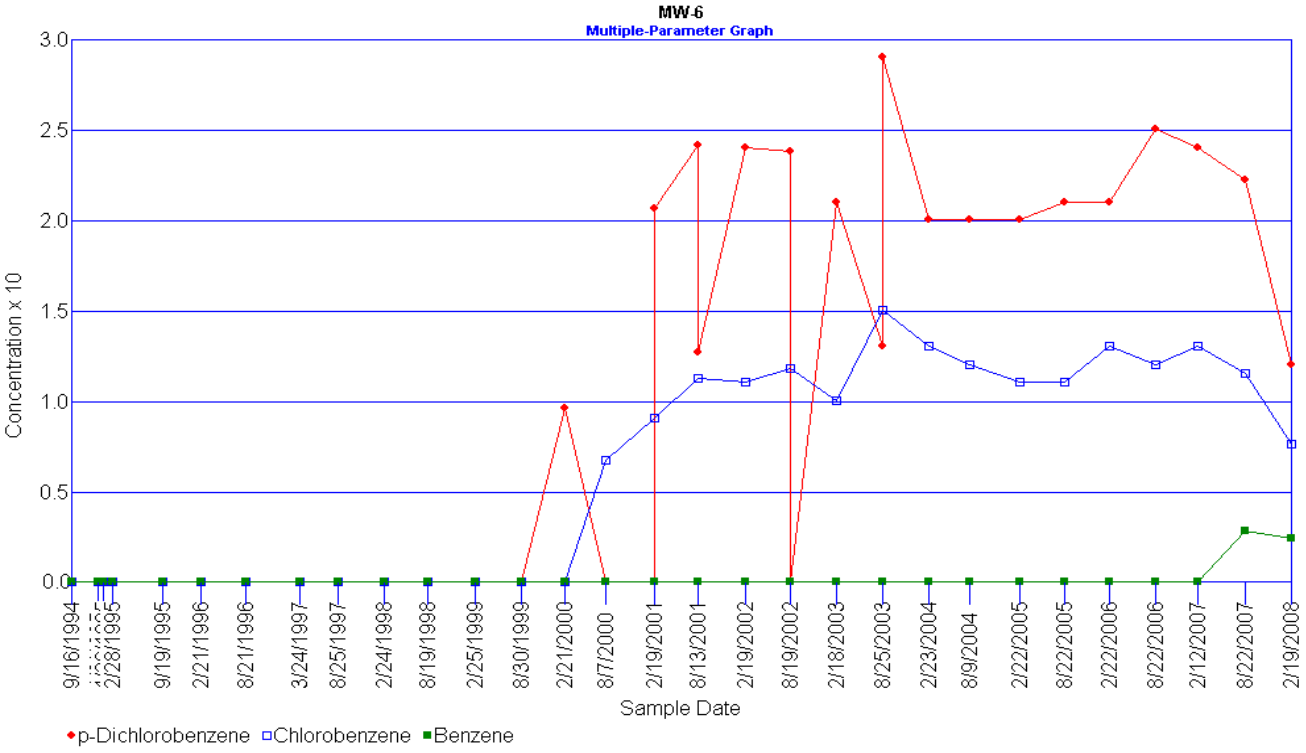


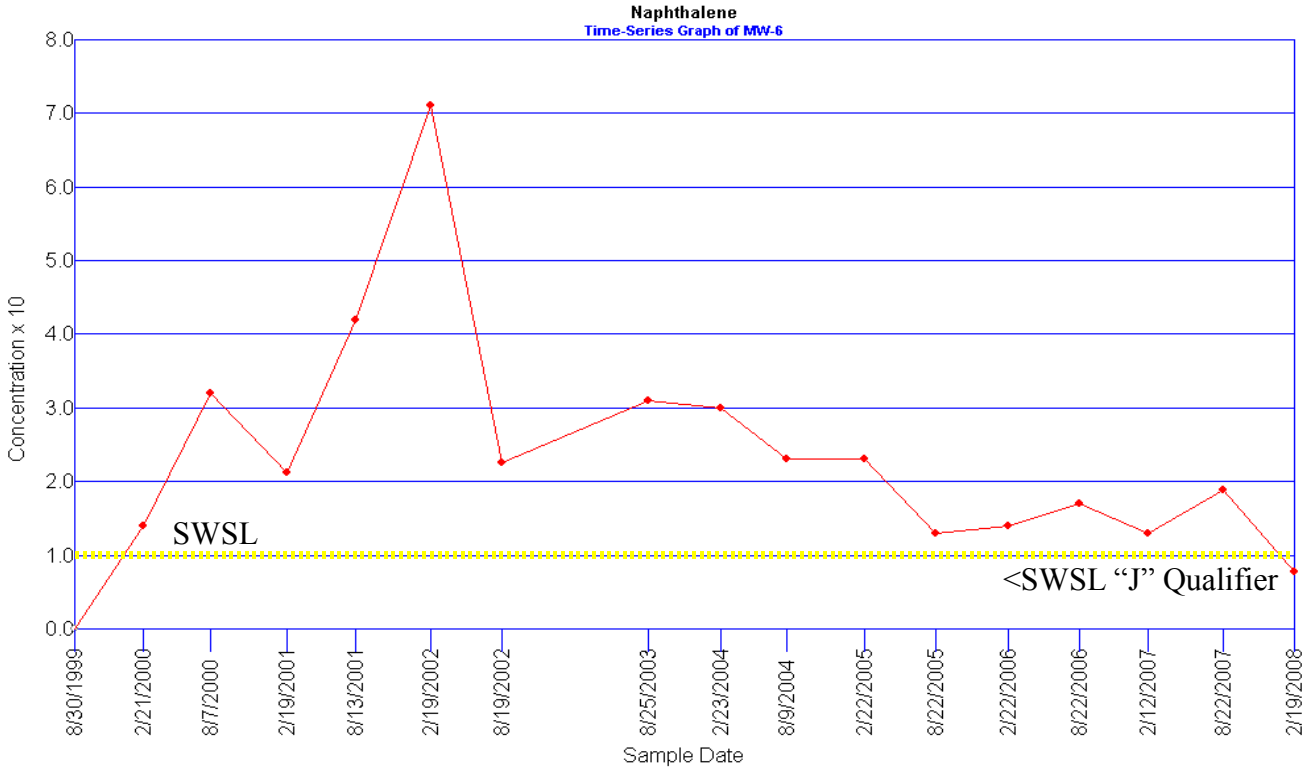
Time Series Plots for All Currently Detected VOC Constituents (MW-5)
Cherokee County Closed Landfill



Time Series Plots for All Currently Detected VOC Constituents (MW-6)
Cherokee County Closed Landfill

AROMATICS





Sampling Data Sheet

Project: Cherokee Co. Closed MSWLF

Samplers: J. Pfohl

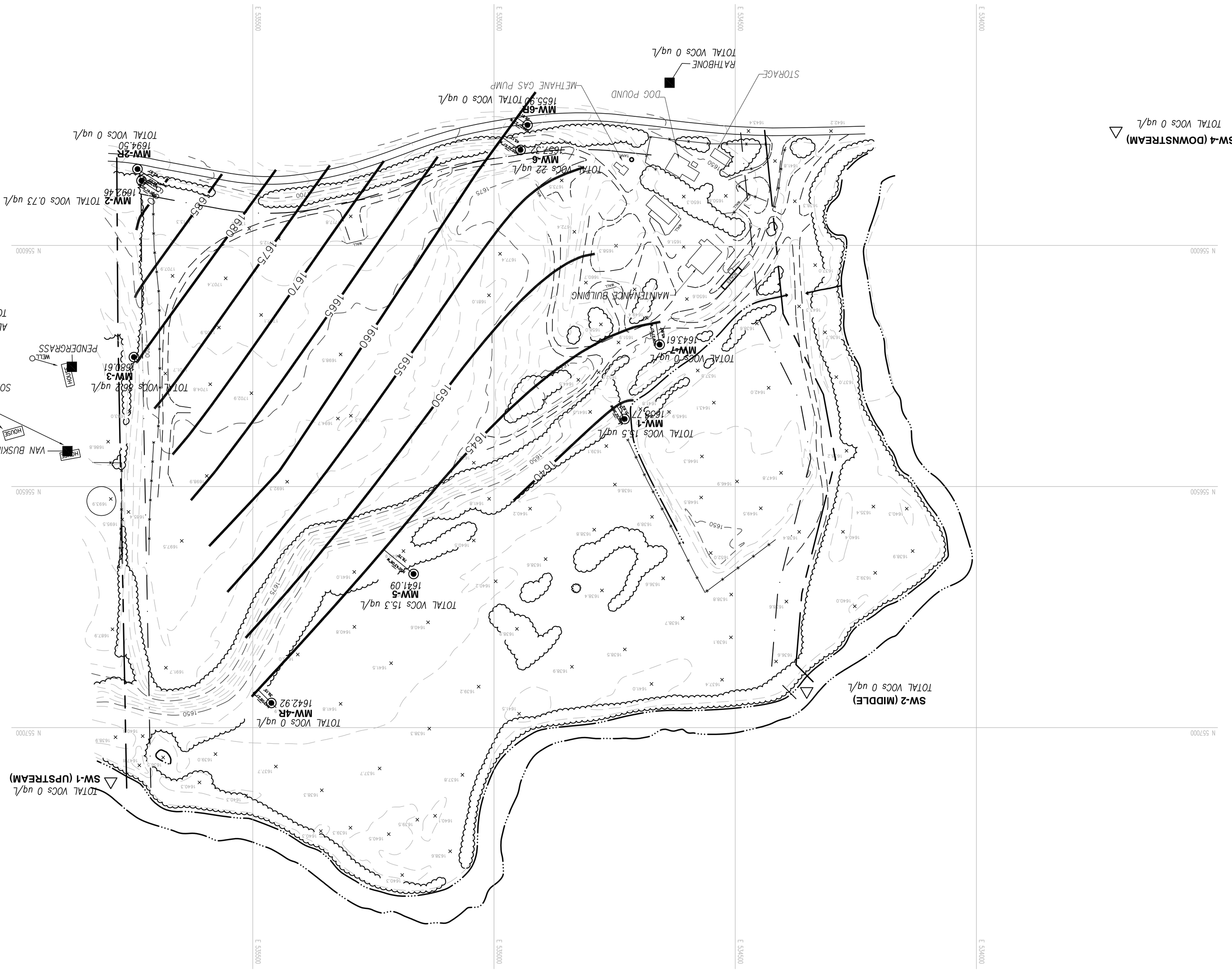
Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Comments	Water Quality Parameters: pH	Temp.	Specific Cond.	Turbidity	Total Depth
MW-6R	2/18/08	10:30	9.91	I	PD	P&DB		6.2	15.3	130	ST	20.25
SW-1	2/19/08	9:00	~	I	—	Dip		7.1	5.1	20	clear	—
MW-2R	2/18/08	5:30	12.12	I	PD	P&DB		5.9	15.8	80	ST	25
MW-2	2/18/08	6:10	25.51	I	PD	P&DB		6.4	15.6	100	ST	43.5
MW-4R	2/19/08	9:40	4.27	I	6	P&DB		6.3	15.7	200	clear	18
MW-7		10:20	3.24	I	6	P&DB		6.7	15.8	600	ST	16.5
MS/MSD MW-6		12:00	30.63	I&Naphthalene	PD	P&DB		6.1	15.4	150	clear	34
Rathbone		12:20	—	I	—			6.9	15.9	10	clear	—
MW-3		1:15	7.96	I	5	P&DB		6.9	15.9	600	clear	15.5
Pendergrass		1:25	-	I	New Hose Bib		Basic spigot	7.1	15.9	10	clear	-
Solesbee		1:35	-	I	-			6.9	15.8	20	clear	-
VanBuskirk (Hwy)		1:50	-	I	-			7.0	15.7	10	clear	-
MW-5		2:20	5.51	I	7	P&DB		6.2	15.8	350	clear	18
MW-1		3:00	3.10	I	6	P&DB		6.5	15.5	700	clear	15.5

Comments

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

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

Pendergrass reported 2-3 months ago well kept going dry after >1 load of laundry



Cherokee Co. Closed Landfill February 18, 2008

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)	Total Cumulative VOCs (ug/L)
MW-1	1641.88	3.10	1638.78	15.5
MW-2R	1706.62	12.12	1694.5	0
MW-2	1717.97	25.51	1692.46	0.73
MW-3	1688.57	7.96	1680.61	862
MW-4R	1667.19	4.27	1642.92	0
MW-5	1644.61	3.51	1641.1	15.3
MW-6	1687.95	30.63	1657.32	22
MW-6R	1665.81	9.91	1655.9	0
MW-7	1646.85	3.24	1643.61	0

LEGEND

- EXISTING CONTOURS
- PROPERTY LINE
- BUFFER ZONE
- TREE LINE
- ROAD
- WATER
- SPOT ELEVATION
- EXISTING MONITORING WELL
- RESIDENTIAL SUPPLY WELLS
- SURFACE WATER MONITORING
- EQUIPOTENTIAL CONTOURS
- RESIDENTIAL SUPPLY WELL

NOTES:

THIS MAP WAS GENERATED FROM AERIAL PHOTOS FLOWN ON 2-10-94 BY TRIANGLE AERIAL MAPPING.

CLOSED SANITARY SOLID WASTE LANDFILL CHEROKEE COUNTY NORTH CAROLINA

SINGLE DAY POTENTIOMETRIC MAP

REV.	BY	DATE	DESCRIPTION
1	LCH	11/8/00	ADDED PROPOSED MONITORING WELLS

SCALE: 1" = 100'
DATE: 1/15/07
DRWN. BY: J. PFOHL
CHKD. BY: J.PFOHL
PROJECT NUMBER G06006.0
DRAWING NO.
SHEET NO.

Municipal Services Engineering Company, P.A.
P.O. BOX 97 GARNER, N.C. 27529 (919) 772-5393
P.O. BOX 349 BOONE, N.C. 28607 (828) 262-1767
P.O. BOX 828 MOREHEAD CITY, N.C. 28557 (252) 726-9481

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

Wednesday, March 5, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G08007.0 Closed, Project Name/Desc: Cherokee Co. Closed LF
ENCO Workorder: C800853

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, February 20, 2008.

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

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

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

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

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 62.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-6 MS/MSD **Lab ID:** C800853-01 **Sampled:** 02/19/08 12:00 **Received:** 02/20/08 17:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08		02/21/08	12:33	2/28/2008 10:46
EPA 6020	08/17/08		02/21/08	12:36	2/22/2008 12:51
EPA 8260B	03/04/08		02/28/08	14:05	3/1/2008 00:52

Client ID: MW-6 MS/MSD **Lab ID:** C800853-01RE1 **Sampled:** 02/19/08 12:00 **Received:** 02/20/08 17:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8270C	02/26/08	04/05/08	02/25/08	17:15	3/4/2008 23:49

Client ID: MW- 6 R **Lab ID:** C800853-02 **Sampled:** 02/18/08 10:30 **Received:** 02/20/08 17:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/16/08		02/21/08	12:33	2/28/2008 11:09
EPA 6020	08/16/08		02/21/08	12:36	2/22/2008 12:59
EPA 8260B	03/03/08		03/01/08	10:54	3/2/2008 01:30

Client ID: SW - 1 **Lab ID:** C800853-03 **Sampled:** 02/19/08 09:00 **Received:** 02/20/08 17:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08		02/21/08	12:33	2/28/2008 11:16
EPA 6020	08/17/08		02/21/08	12:36	2/22/2008 13:02
EPA 8260B	03/04/08		03/01/08	10:54	3/2/2008 02:00

Client ID: MW - 2 R **Lab ID:** C800853-04 **Sampled:** 02/18/08 17:30 **Received:** 02/20/08 17:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/16/08		02/21/08	12:33	2/28/2008 11:23
EPA 6020	08/16/08		02/21/08	12:36	2/22/2008 13:04
EPA 8260B	03/03/08		03/03/08	11:27	3/3/2008 13:36

Client ID: MW - 2 **Lab ID:** C800853-05 **Sampled:** 02/18/08 18:10 **Received:** 02/20/08 17:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/16/08		02/21/08	12:33	2/28/2008 11:30
EPA 6020	08/16/08		02/21/08	12:36	2/22/2008 13:07
EPA 8260B	03/03/08		03/03/08	11:27	3/3/2008 14:05

Client ID: MW - 4 R **Lab ID:** C800853-06 **Sampled:** 02/19/08 09:40 **Received:** 02/20/08 17:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08		02/21/08	12:33	2/28/2008 11:37
EPA 6020	08/17/08		02/21/08	12:36	2/22/2008 13:15
EPA 8260B	03/04/08		03/03/08	11:27	3/3/2008 15:03

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Client ID:	MW - 7	Lab ID:	C800853-07	Sampled:	02/19/08 10:20	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:00
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:18
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 15:33

Client ID:	MW - 3	Lab ID:	C800853-08	Sampled:	02/19/08 13:15	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:07
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:21
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 16:02

Client ID:	MW - 5	Lab ID:	C800853-09	Sampled:	02/19/08 14:20	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:14
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:24
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 16:31

Client ID:	MW - 1	Lab ID:	C800853-10	Sampled:	02/19/08 15:00	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:21
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:27
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 17:00

Client ID:	RATHBONE	Lab ID:	C800853-11	Sampled:	02/19/08 12:20	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:28
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:29
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 17:29

Client ID:	PENDERGRASS	Lab ID:	C800853-12	Sampled:	02/19/08 13:25	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:35
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:32
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 17:59

Client ID:	SOLESBEE	Lab ID:	C800853-13	Sampled:	02/19/08 13:35	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:42
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:35
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 18:28

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Client ID:	VANBUSKIRK (HANEY)	Lab ID:	C800853-14	Sampled:	02/19/08 13:50	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	08/17/08	02/21/08	12:33	2/28/2008 12:48
EPA 6020	08/17/08	02/21/08	12:36	2/22/2008 13:38
EPA 8260B	03/04/08	03/03/08	11:27	3/3/2008 18:57

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-6 MS/MSD **Lab ID:** C800853-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	12		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	61.5	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	2.4		1	0.12	1.0	1	ug/L	EPA 8260B	
Carbon disulfide	2.2	J	1	0.12	5.0	100	ug/L	EPA 8260B	
Chlorobenzene	7.6		1	0.16	1.0	3	ug/L	EPA 8260B	
Chloroethane	1.4	J	1	0.40	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	3.0	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	29.1		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	0.80	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Thallium	0.229	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Xylenes (Total)	1.2	J	1	0.21	1.0	5	ug/L	EPA 8260B	
Zinc	25.0		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW-6 MS/MSD **Lab ID:** C800853-01RE1

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Naphthalene	7.7	J	1	2.1	10	10	ug/L	EPA 8270C	

Client ID: MW- 6 R **Lab ID:** C800853-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	91.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	5.50	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	6.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.060	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	3.3	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	12.8		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: SW - 1 **Lab ID:** C800853-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	4.7	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	7.10	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Zinc	3.7	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW - 2 R **Lab ID:** C800853-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	3.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	142		1	0.20	10.0	100	ug/L	EPA 6010B	
Beryllium	3.50		1	0.70	1.00	1	ug/L	EPA 6010B	
Chromium	22.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	21.9		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	18.2		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	20.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	180		1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.650	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	19.2	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	316		1	1.0	10.0	10	ug/L	EPA 6010B	

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Client ID: MW - 2						Lab ID: C800853-05			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	2.3	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.52	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	76.1	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.68	J	1	0.12	1.0	1	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.6	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	69.1		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	21.0	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Tetrachloroethene	0.73	J	1	0.25	1.0	1	ug/L	EPA 8260B	
Thallium	0.560	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	34.5		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW - 4 R						Lab ID: C800853-06			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Arsenic	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	46.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	2.0	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	10.7		1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.141	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	126		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW - 7						Lab ID: C800853-07			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Barium	56.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Lead	3.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW - 3						Lab ID: C800853-08			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,4-Dichlorobenzene	8.5	D	5	0.75	5.0	1	ug/L	EPA 8260B	
Barium	180		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	7.7	D	5	0.60	5.0	1	ug/L	EPA 8260B	
Chlorobenzene	25	D	5	0.80	5.0	3	ug/L	EPA 8260B	
Chloroethane	25	D	5	2.0	5.0	10	ug/L	EPA 8260B	
Cobalt	54.1		1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	13.0		1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.039	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vinyl chloride	20	D	5	0.75	5.0	1	ug/L	EPA 8260B	
Zinc	7.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW - 5						Lab ID: C800853-09			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,2-Dichlorobenzene	0.50	J	1	0.17	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	9.1		1	0.15	1.0	1	ug/L	EPA 8260B	
Arsenic	3.2	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	36.1	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	6.2		1	0.16	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	3.5	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	3.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	4.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.063	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	5.0	J	1	1.0	10.0	10	ug/L	EPA 6010B	

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Client ID:	MW - 1				Lab ID:	C800853-10			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,2-Dichlorobenzene	0.55	J	1	0.17	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	8.9		1	0.15	1.0	1	ug/L	EPA 8260B	
Barium	63.1	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	6.6		1	0.16	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.6	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	27.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	6.1	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.175	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	1.7	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID:	RATHBONE				Lab ID:	C800853-11			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Barium	3.90	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	1.30	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Zinc	5.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID:	PENDERGRASS				Lab ID:	C800853-12			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Arsenic	2.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	3.10	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	51.3		1	0.60	10.0	10	ug/L	EPA 6010B	
Zinc	25.2		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID:	SOLESBEE				Lab ID:	C800853-13			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Arsenic	4.6	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	1.90	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	0.80	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Zinc	1.0	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID:	VANBUSKIRK (HANEY)				Lab ID:	C800853-14			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Arsenic	3.2	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	28.2	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	13.2		1	0.60	10.0	10	ug/L	EPA 6010B	
Thallium	0.042	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Zinc	15.2		1	1.0	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: MW-6 MS/MSD
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-01
Sampled: 02/19/08 12:00
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/01/08 00:52	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/01/08 00:52	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/01/08 00:52	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/01/08 00:52	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/01/08 00:52	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/01/08 00:52	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**12**		ug/L	1	0.15	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/01/08 00:52	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/01/08 00:52	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/01/08 00:52	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/01/08 00:52	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/01/08 00:52	jkg	
Benzene [71-43-2] ^	**2.4**		ug/L	1	0.12	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/01/08 00:52	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/01/08 00:52	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/01/08 00:52	jkg	
Carbon disulfide [75-15-0] ^	**2.2**	J	ug/L	1	0.12	5.0	100	EPA 8260B	03/01/08 00:52	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Chlorobenzene [108-90-7] ^	**7.6**		ug/L	1	0.16	1.0	3	EPA 8260B	03/01/08 00:52	jkg	
Chloroethane [75-00-3] ^	**1.4**	J	ug/L	1	0.40	1.0	10	EPA 8260B	03/01/08 00:52	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/01/08 00:52	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**3.0**	J	ug/L	1	0.14	1.0	5	EPA 8260B	03/01/08 00:52	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/01/08 00:52	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/01/08 00:52	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/01/08 00:52	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/01/08 00:52	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/01/08 00:52	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/01/08 00:52	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/01/08 00:52	jkg	

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Description: MW-6 MS/MSD
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-01
Sampled: 02/19/08 12:00
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/01/08 00:52	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/01/08 00:52	jkg	
Xylenes (Total) [1330-20-7]	**1.2**	J	ug/L	1	0.21	1.0	5	EPA 8260B	03/01/08 00:52	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*69-120*	*8B28017*	*EPA 8260B*	*03/01/08 00:52*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*61-120*	*8B28017*	*EPA 8260B*	*03/01/08 00:52*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*75-99*	*8B28017*	*EPA 8260B*	*03/01/08 00:52*	*jkg*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Naphthalene [91-20-3] ^	**7.7**	J	ug/L	1	2.1	10	10	EPA 8270C	03/04/08 23:49	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*96*	*1*	*100*	*96 %*	*40-124*	*8B25026*	*EPA 8270C*	*03/04/08 23:49*	*DFM*	
2-Fluorobiphenyl	*33*	*1*	*50.0*	*66 %*	*36-100*	*8B25026*	*EPA 8270C*	*03/04/08 23:49*	*DFM*	
2-Fluorophenol	*58*	*1*	*100*	*58 %*	*38-71*	*8B25026*	*EPA 8270C*	*03/04/08 23:49*	*DFM*	
Nitrobenzene-d5	*32*	*1*	*50.0*	*65 %*	*45-92*	*8B25026*	*EPA 8270C*	*03/04/08 23:49*	*DFM*	
Phenol-d5	*48*	*1*	*100*	*48 %*	*30-56*	*8B25026*	*EPA 8270C*	*03/04/08 23:49*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*77 %*	*50-139*	*8B25026*	*EPA 8270C*	*03/04/08 23:49*	*DFM*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 12:51	JDH	
Arsenic [7440-38-2] ^	**3.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 10:46	VLO	
Barium [7440-39-3] ^	**61.5**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 10:46	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 10:46	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 10:46	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 10:46	VLO	
Cobalt [7440-48-4] ^	**29.1**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 10:46	VLO	
Copper [7440-50-8] ^	**0.80**	J	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 10:46	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 10:46	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 10:46	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 10:46	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 10:46	VLO	
Thallium [7440-28-0] ^	**0.229**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 12:51	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 10:46	VLO	
Zinc [7440-66-6] ^	**25.0**		ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 10:46	VLO	

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

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Description: MW- 6 R
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-02
Sampled: 02/18/08 10:30
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/02/08 01:30	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/02/08 01:30	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/02/08 01:30	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/02/08 01:30	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/02/08 01:30	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/02/08 01:30	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/02/08 01:30	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/02/08 01:30	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/02/08 01:30	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/02/08 01:30	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/02/08 01:30	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/02/08 01:30	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/02/08 01:30	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/02/08 01:30	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/02/08 01:30	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/02/08 01:30	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/02/08 01:30	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/02/08 01:30	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/02/08 01:30	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/02/08 01:30	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/02/08 01:30	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/02/08 01:30	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/02/08 01:30	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/02/08 01:30	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/02/08 01:30	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/02/08 01:30	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/02/08 01:30	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/02/08 01:30	jkg	

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Description:	MW- 6 R	**Lab Sample ID:**	C800853-02	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/18/08 10:30	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/02/08 01:30	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*69-120*	*8C01001*	*EPA 8260B*	*03/02/08 01:30*	*jkg*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*61-120*	*8C01001*	*EPA 8260B*	*03/02/08 01:30*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*75-99*	*8C01001*	*EPA 8260B*	*03/02/08 01:30*	*jkg*	

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Description: MW- 6 R
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-02
Sampled: 02/18/08 10:30
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 12:59	JDH	
Arsenic [7440-38-2] ^	**2.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:09	VLO	
Barium [7440-39-3] ^	**91.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 11:09	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 11:09	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 11:09	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:09	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:09	VLO	
Copper [7440-50-8] ^	**5.50**	J	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 11:09	VLO	
Lead [7439-92-1] ^	**6.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:09	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 11:09	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:09	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:09	VLO	
Thallium [7440-28-0] ^	**0.060**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 12:59	JDH	
Vanadium [7440-62-2] ^	**3.3**	J	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 11:09	VLO	
Zinc [7440-66-6] ^	**12.8**		ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 11:09	VLO	

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

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Description: SW - 1
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-03
Sampled: 02/19/08 09:00
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/02/08 02:00	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/02/08 02:00	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/02/08 02:00	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/02/08 02:00	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/02/08 02:00	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/02/08 02:00	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/02/08 02:00	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/02/08 02:00	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/02/08 02:00	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/02/08 02:00	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/02/08 02:00	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/02/08 02:00	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/02/08 02:00	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/02/08 02:00	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/02/08 02:00	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/02/08 02:00	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/02/08 02:00	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/02/08 02:00	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/02/08 02:00	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/02/08 02:00	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/02/08 02:00	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/02/08 02:00	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/02/08 02:00	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/02/08 02:00	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/02/08 02:00	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/02/08 02:00	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/02/08 02:00	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/02/08 02:00	jkg	

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Description:	SW - 1	**Lab Sample ID:**	C800853-03	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 09:00	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/02/08 02:00	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*69-120*	*8C01001*	*EPA 8260B*	*03/02/08 02:00*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*61-120*	*8C01001*	*EPA 8260B*	*03/02/08 02:00*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*75-99*	*8C01001*	*EPA 8260B*	*03/02/08 02:00*	*jkg*	

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Description: SW - 1
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-03
Sampled: 02/19/08 09:00
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:02	JDH	
Arsenic [7440-38-2] ^	**4.7**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:16	VLO	
Barium [7440-39-3] ^	**7.10**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 11:16	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 11:16	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 11:16	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:16	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:16	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 11:16	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:16	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 11:16	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:16	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:16	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:02	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 11:16	VLO	
Zinc [7440-66-6] ^	**3.7**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 11:16	VLO	

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

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Description: MW - 2 R
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-04
Sampled: 02/18/08 17:30
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 13:36	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 13:36	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 13:36	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 13:36	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 13:36	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 13:36	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 13:36	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 13:36	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 13:36	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 13:36	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 13:36	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 13:36	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 13:36	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 13:36	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 13:36	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 13:36	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 13:36	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 13:36	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 13:36	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 13:36	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 13:36	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 13:36	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 13:36	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 13:36	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 13:36	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 13:36	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 13:36	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 13:36	jkg	

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Description:	MW - 2 R	**Lab Sample ID:**	C800853-04	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/18/08 17:30	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 13:36	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 13:36*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 13:36*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 13:36*	*jkg*	

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Description: MW - 2 R
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-04
Sampled: 02/18/08 17:30
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:04	JDH	
Arsenic [7440-38-2] ^	**3.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:23	VLO	
Barium [7440-39-3] ^	**142**		ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 11:23	VLO	
Beryllium [7440-41-7] ^	**3.50**		ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 11:23	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 11:23	VLO	
Chromium [7440-47-3] ^	**22.3**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:23	VLO	
Cobalt [7440-48-4] ^	**21.9**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:23	VLO	
Copper [7440-50-8] ^	**18.2**		ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 11:23	VLO	
Lead [7439-92-1] ^	**20.2**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:23	VLO	
Nickel [7440-02-0] ^	**180**		ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 11:23	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:23	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:23	VLO	
Thallium [7440-28-0] ^	**0.650**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:04	JDH	
Vanadium [7440-62-2] ^	**19.2**	J	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 11:23	VLO	
Zinc [7440-66-6] ^	**316**		ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 11:23	VLO	

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

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Description: MW - 2
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-05
Sampled: 02/18/08 18:10
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 14:05	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 14:05	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
1,1-Dichloroethane [75-34-3] ^	**2.3**	J	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 14:05	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 14:05	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 14:05	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 14:05	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**0.52**	J	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 14:05	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 14:05	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 14:05	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 14:05	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 14:05	jkg	
Benzene [71-43-2] ^	**0.68**	J	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 14:05	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 14:05	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 14:05	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 14:05	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 14:05	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 14:05	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 14:05	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**1.6**	J	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 14:05	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 14:05	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 14:05	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 14:05	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 14:05	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Tetrachloroethene [127-18-4] ^	**0.73**	J	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 14:05	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 14:05	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 14:05	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 14:05	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 14:05	jkg	

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Description:	MW - 2	**Lab Sample ID:**	C800853-05	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/18/08 18:10	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 14:05	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 14:05*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 14:05*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 14:05*	*jkg*	

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Description: MW - 2
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-05
Sampled: 02/18/08 18:10
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:07	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:30	VLO	
Barium [7440-39-3] ^	**76.1**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 11:30	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 11:30	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 11:30	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:30	VLO	
Cobalt [7440-48-4] ^	**69.1**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:30	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 11:30	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:30	VLO	
Nickel [7440-02-0] ^	**21.0**	J	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 11:30	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:30	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:30	VLO	
Thallium [7440-28-0] ^	**0.560**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:07	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 11:30	VLO	
Zinc [7440-66-6] ^	**34.5**		ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 11:30	VLO	

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

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Description: MW - 4 R
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-06
Sampled: 02/19/08 09:40
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 15:03	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 15:03	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 15:03	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 15:03	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 15:03	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 15:03	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 15:03	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 15:03	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 15:03	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 15:03	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 15:03	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 15:03	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 15:03	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 15:03	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 15:03	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 15:03	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 15:03	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 15:03	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**2.0**	J	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 15:03	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 15:03	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 15:03	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 15:03	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 15:03	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 15:03	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 15:03	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 15:03	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 15:03	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 15:03	jkg	

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Description:	MW - 4 R	**Lab Sample ID:**	C800853-06	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 09:40	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 15:03	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 15:03*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 15:03*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 15:03*	*jkg*	

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Description: MW - 4 R
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-06
Sampled: 02/19/08 09:40
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:15	JDH	
Arsenic [7440-38-2] ^	**2.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:37	VLO	
Barium [7440-39-3] ^	**46.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 11:37	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 11:37	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 11:37	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:37	VLO	
Cobalt [7440-48-4] ^	**10.7**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:37	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 11:37	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:37	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 11:37	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:37	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 11:37	VLO	
Thallium [7440-28-0] ^	**0.141**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:15	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 11:37	VLO	
Zinc [7440-66-6] ^	**126**		ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 11:37	VLO	

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Description: MW - 7
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-07
Sampled: 02/19/08 10:20
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 15:33	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 15:33	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 15:33	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 15:33	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 15:33	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 15:33	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 15:33	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 15:33	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 15:33	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 15:33	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 15:33	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 15:33	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 15:33	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 15:33	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 15:33	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 15:33	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 15:33	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 15:33	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 15:33	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 15:33	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 15:33	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 15:33	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 15:33	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 15:33	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 15:33	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 15:33	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 15:33	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 15:33	jkg	

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Description:	MW - 7	**Lab Sample ID:**	C800853-07	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 10:20	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 15:33	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 15:33*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 15:33*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 15:33*	*jkg*	

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Description: MW - 7
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-07
Sampled: 02/19/08 10:20
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:18	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:00	VLO	
Barium [7440-39-3] ^	**56.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:00	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:00	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:00	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:00	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:00	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:00	VLO	
Lead [7439-92-1] ^	**3.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:00	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:00	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:00	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:00	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:18	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:00	VLO	
Zinc [7440-66-6] ^	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:00	VLO	

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

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Description: MW - 3
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-08
Sampled: 02/19/08 13:15
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.80	UD	ug/L	5	0.80	5.0	5	EPA 8260B	03/03/08 16:02	jkg	
1,1,1-Trichloroethane [71-55-6] ^	1.2	UD	ug/L	5	1.2	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.4	UD	ug/L	5	1.4	5.0	3	EPA 8260B	03/03/08 16:02	jkg	
1,1,2-Trichloroethane [79-00-5] ^	1.2	UD	ug/L	5	1.2	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
1,1-Dichloroethane [75-34-3] ^	0.45	UD	ug/L	5	0.45	5.0	5	EPA 8260B	03/03/08 16:02	jkg	
1,1-Dichloroethene [75-35-4] ^	0.70	UD	ug/L	5	0.70	5.0	5	EPA 8260B	03/03/08 16:02	jkg	
1,2,3-Trichloropropane [96-18-4] ^	1.6	UD	ug/L	5	1.6	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.95	UD	ug/L	5	0.95	5.0	13	EPA 8260B	03/03/08 16:02	jkg	
1,2-Dibromoethane [106-93-4] ^	0.95	UD	ug/L	5	0.95	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.85	UD	ug/L	5	0.85	5.0	5	EPA 8260B	03/03/08 16:02	jkg	
1,2-Dichloroethane [107-06-2] ^	1.8	UD	ug/L	5	1.8	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
1,2-Dichloropropane [78-87-5] ^	0.90	UD	ug/L	5	0.90	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**8.5**	D	ug/L	5	0.75	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
2-Butanone [78-93-3] ^	2.8	UD	ug/L	5	2.8	25	100	EPA 8260B	03/03/08 16:02	jkg	
2-Hexanone [591-78-6] ^	1.2	UD	ug/L	5	1.2	25	50	EPA 8260B	03/03/08 16:02	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.8	UD	ug/L	5	1.8	25	100	EPA 8260B	03/03/08 16:02	jkg	
Acetone [67-64-1] ^	4.5	UD	ug/L	5	4.5	25	100	EPA 8260B	03/03/08 16:02	jkg	
Acrylonitrile [107-13-1] ^	10	UD	ug/L	5	10	25	200	EPA 8260B	03/03/08 16:02	jkg	
Benzene [71-43-2] ^	**7.7**	D	ug/L	5	0.60	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Bromochloromethane [74-97-5] ^	0.95	UD	ug/L	5	0.95	5.0	3	EPA 8260B	03/03/08 16:02	jkg	
Bromodichloromethane [75-27-4] ^	0.95	UD	ug/L	5	0.95	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Bromoform [75-25-2] ^	1.8	UD	ug/L	5	1.8	5.0	3	EPA 8260B	03/03/08 16:02	jkg	
Bromomethane [74-83-9] ^	1.0	UD	ug/L	5	1.0	5.0	10	EPA 8260B	03/03/08 16:02	jkg	
Carbon disulfide [75-15-0] ^	0.60	UD	ug/L	5	0.60	25	100	EPA 8260B	03/03/08 16:02	jkg	
Carbon tetrachloride [56-23-5] ^	1.9	UD	ug/L	5	1.9	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Chlorobenzene [108-90-7] ^	**25**	D	ug/L	5	0.80	5.0	3	EPA 8260B	03/03/08 16:02	jkg	
Chloroethane [75-00-3] ^	**25**	D	ug/L	5	2.0	5.0	10	EPA 8260B	03/03/08 16:02	jkg	
Chloroform [67-66-3] ^	0.80	UD	ug/L	5	0.80	5.0	5	EPA 8260B	03/03/08 16:02	jkg	
Chloromethane [74-87-3] ^	0.90	UD	ug/L	5	0.90	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.70	UD	ug/L	5	0.70	5.0	5	EPA 8260B	03/03/08 16:02	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.80	UD	ug/L	5	0.80	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Dibromochloromethane [124-48-1] ^	0.90	UD	ug/L	5	0.90	5.0	3	EPA 8260B	03/03/08 16:02	jkg	
Dibromomethane [74-95-3] ^	0.70	UD	ug/L	5	0.70	5.0	10	EPA 8260B	03/03/08 16:02	jkg	
Ethylbenzene [100-41-4] ^	0.85	UD	ug/L	5	0.85	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Iodomethane [74-88-4] ^	1.2	UD	ug/L	5	1.2	10	10	EPA 8260B	03/03/08 16:02	jkg	
Methylene chloride [75-09-2] ^	0.44	UD	ug/L	5	0.44	10	1	EPA 8260B	03/03/08 16:02	jkg	
Styrene [100-42-5] ^	0.60	UD	ug/L	5	0.60	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Tetrachloroethene [127-18-4] ^	1.2	UD	ug/L	5	1.2	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Toluene [108-88-3] ^	0.75	UD	ug/L	5	0.75	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.50	UD	ug/L	5	0.50	5.0	5	EPA 8260B	03/03/08 16:02	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.90	UD	ug/L	5	0.90	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	3.0	UD	ug/L	5	3.0	5.0	100	EPA 8260B	03/03/08 16:02	jkg	
Trichloroethene [79-01-6] ^	1.2	UD	ug/L	5	1.2	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Trichlorofluoromethane [75-69-4] ^	0.80	UD	ug/L	5	0.80	5.0	1	EPA 8260B	03/03/08 16:02	jkg	
Vinyl acetate [108-05-4] ^	0.95	UD	ug/L	5	0.95	10	50	EPA 8260B	03/03/08 16:02	jkg	
Vinyl chloride [75-01-4] ^	**20**	D	ug/L	5	0.75	5.0	1	EPA 8260B	03/03/08 16:02	jkg	

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Description:	MW - 3	**Lab Sample ID:**	C800853-08	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 13:15	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	1.0	UD	ug/L	5	1.0	5.0	5	EPA 8260B	03/03/08 16:02	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 16:02*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 16:02*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 16:02*	*jkg*	

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Description: MW - 3
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-08
Sampled: 02/19/08 13:15
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:21	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:07	VLO	
Barium [7440-39-3] ^	**180**		ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:07	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:07	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:07	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:07	VLO	
Cobalt [7440-48-4] ^	**54.1**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:07	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:07	VLO	
Lead [7439-92-1] ^	**13.0**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:07	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:07	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:07	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:07	VLO	
Thallium [7440-28-0] ^	**0.039**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:21	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:07	VLO	
Zinc [7440-66-6] ^	**7.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:07	VLO	

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Description: MW - 5
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-09
Sampled: 02/19/08 14:20
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 16:31	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 16:31	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 16:31	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 16:31	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 16:31	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
1,2-Dichlorobenzene [95-50-1] ^	**0.50**	J	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 16:31	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**9.1**		ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 16:31	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 16:31	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 16:31	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 16:31	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 16:31	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 16:31	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 16:31	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 16:31	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 16:31	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Chlorobenzene [108-90-7] ^	**6.2**		ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 16:31	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 16:31	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 16:31	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**3.5**	J	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 16:31	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 16:31	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 16:31	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 16:31	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 16:31	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 16:31	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 16:31	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 16:31	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 16:31	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 16:31	jkg	

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Description:	MW - 5	**Lab Sample ID:**	C800853-09	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 14:20	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 16:31	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 16:31*	*jkg*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 16:31*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 16:31*	*jkg*	

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Description: MW - 5
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-09
Sampled: 02/19/08 14:20
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:24	JDH	
Arsenic [7440-38-2] ^	**3.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:14	VLO	
Barium [7440-39-3] ^	**36.1**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:14	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:14	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:14	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:14	VLO	
Cobalt [7440-48-4] ^	**3.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:14	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:14	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:14	VLO	
Nickel [7440-02-0] ^	**4.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:14	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:14	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:14	VLO	
Thallium [7440-28-0] ^	**0.063**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:24	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:14	VLO	
Zinc [7440-66-6] ^	**5.0**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:14	VLO	

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

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Description: MW - 1
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-10
Sampled: 02/19/08 15:00
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 17:00	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 17:00	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 17:00	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 17:00	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 17:00	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
1,2-Dichlorobenzene [95-50-1] ^	**0.55**	J	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 17:00	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**8.9**		ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 17:00	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 17:00	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 17:00	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 17:00	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 17:00	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 17:00	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 17:00	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 17:00	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 17:00	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Chlorobenzene [108-90-7] ^	**6.6**		ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 17:00	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 17:00	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 17:00	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**1.6**	J	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 17:00	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 17:00	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 17:00	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 17:00	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 17:00	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 17:00	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 17:00	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 17:00	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 17:00	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:00	jkg	

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Description:	MW - 1	**Lab Sample ID:**	C800853-10	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 15:00	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 17:00	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 17:00*	*jkg*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 17:00*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 17:00*	*jkg*	

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Description: MW - 1
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-10
Sampled: 02/19/08 15:00
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:27	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:21	VLO	
Barium [7440-39-3] ^	**63.1**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:21	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:21	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:21	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:21	VLO	
Cobalt [7440-48-4] ^	**27.3**		ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:21	VLO	
Copper [7440-50-8] ^	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:21	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:21	VLO	
Nickel [7440-02-0] ^	**6.1**	J	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:21	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:21	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:21	VLO	
Thallium [7440-28-0] ^	**0.175**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:27	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:21	VLO	
Zinc [7440-66-6] ^	**1.7**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:21	VLO	

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

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Description: RATHBONE
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-11
Sampled: 02/19/08 12:20
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 17:29	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 17:29	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 17:29	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 17:29	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 17:29	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 17:29	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 17:29	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 17:29	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 17:29	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 17:29	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 17:29	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 17:29	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 17:29	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 17:29	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 17:29	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 17:29	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 17:29	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 17:29	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 17:29	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 17:29	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 17:29	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 17:29	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 17:29	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 17:29	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 17:29	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 17:29	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 17:29	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:29	jkg	

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Description:	RATHBONE	**Lab Sample ID:**	C800853-11	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 12:20	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 17:29	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 17:29*	*jkg*	
Dibromofluoromethane	*51*	*1*	*50.0*	*101 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 17:29*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 17:29*	*jkg*	

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Description: RATHBONE
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-11
Sampled: 02/19/08 12:20
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:29	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:28	VLO	
Barium [7440-39-3] ^	**3.90**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:28	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:28	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:28	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:28	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:28	VLO	
Copper [7440-50-8] ^	**1.30**	J	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:28	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:28	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:28	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:28	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:28	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:29	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:28	VLO	
Zinc [7440-66-6] ^	**5.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:28	VLO	

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

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Description: PENDERGRASS
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-12
Sampled: 02/19/08 13:25
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 17:59	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 17:59	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 17:59	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 17:59	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 17:59	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 17:59	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 17:59	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 17:59	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 17:59	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 17:59	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 17:59	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 17:59	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 17:59	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 17:59	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 17:59	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 17:59	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 17:59	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 17:59	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 17:59	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 17:59	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 17:59	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 17:59	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 17:59	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 17:59	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 17:59	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 17:59	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 17:59	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 17:59	jkg	

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Description:	PENDERGRASS	**Lab Sample ID:**	C800853-12	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 13:25	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 17:59	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 17:59*	*jkg*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 17:59*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 17:59*	*jkg*	

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Description:	PENDERGRASS	**Lab Sample ID:**	C800853-12	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 13:25	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:32	JDH	
Arsenic [7440-38-2] ^	**2.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:35	VLO	
Barium [7440-39-3] ^	**3.10**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:35	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:35	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:35	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:35	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:35	VLO	
Copper [7440-50-8] ^	**51.3**		ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:35	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:35	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:35	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:35	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:35	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:32	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:35	VLO	
Zinc [7440-66-6] ^	**25.2**		ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:35	VLO	

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Description: SOLESBEE
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-13
Sampled: 02/19/08 13:35
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 18:28	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 18:28	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 18:28	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 18:28	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 18:28	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 18:28	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 18:28	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 18:28	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 18:28	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 18:28	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 18:28	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 18:28	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 18:28	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 18:28	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 18:28	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 18:28	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 18:28	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 18:28	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 18:28	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 18:28	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 18:28	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 18:28	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 18:28	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 18:28	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 18:28	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 18:28	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 18:28	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 18:28	jkg	

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Description:	SOLESBEE	**Lab Sample ID:**	C800853-13	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 13:35	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 18:28	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 18:28*	*jkg*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 18:28*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 18:28*	*jkg*	

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Description:	SOLESBEE	**Lab Sample ID:**	C800853-13	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 13:35	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:35	JDH	
Arsenic [7440-38-2] ^	**4.6**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:42	VLO	
Barium [7440-39-3] ^	**1.90**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:42	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:42	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:42	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:42	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:42	VLO	
Copper [7440-50-8] ^	**0.80**	J	ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:42	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:42	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:42	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:42	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:42	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:35	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:42	VLO	
Zinc [7440-66-6] ^	**1.0**	J	ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:42	VLO	

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

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Description: VANBUSKIRK (HANEY)
Matrix: Ground Water
Project: Cherokee Co. Closed LF

Lab Sample ID: C800853-14
Sampled: 02/19/08 13:50
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800853

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 18:57	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	03/03/08 18:57	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	03/03/08 18:57	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 18:57	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	03/03/08 18:57	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	03/03/08 18:57	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	03/03/08 18:57	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	03/03/08 18:57	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	03/03/08 18:57	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	03/03/08 18:57	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	03/03/08 18:57	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	03/03/08 18:57	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	03/03/08 18:57	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	03/03/08 18:57	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	03/03/08 18:57	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	03/03/08 18:57	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	03/03/08 18:57	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	03/03/08 18:57	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	03/03/08 18:57	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	03/03/08 18:57	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	03/03/08 18:57	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	03/03/08 18:57	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	03/03/08 18:57	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	03/03/08 18:57	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	03/03/08 18:57	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	03/03/08 18:57	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	03/03/08 18:57	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/03/08 18:57	jkg	

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Description:	VANBUSKIRK (HANEY)	**Lab Sample ID:**	C800853-14	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 13:50	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	03/03/08 18:57	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*69-120*	*8C03011*	*EPA 8260B*	*03/03/08 18:57*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*61-120*	*8C03011*	*EPA 8260B*	*03/03/08 18:57*	*jkg*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*75-99*	*8C03011*	*EPA 8260B*	*03/03/08 18:57*	*jkg*	

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Description:	VANBUSKIRK (HANEY)	**Lab Sample ID:**	C800853-14	**Received:**	02/20/08 17:00
Matrix:	Ground Water	**Sampled:**	02/19/08 13:50	**Work Order:**	C800853
Project:	Cherokee Co. Closed LF	**Sampled By:**	J. Pfohl		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	02/22/08 13:38	JDH	
Arsenic [7440-38-2] ^	**3.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:48	VLO	
Barium [7440-39-3] ^	**28.2**	J	ug/L	1	0.20	10.0	100	EPA 6010B	02/28/08 12:48	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	02/28/08 12:48	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	02/28/08 12:48	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:48	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:48	VLO	
Copper [7440-50-8] ^	**13.2**		ug/L	1	0.60	10.0	10	EPA 6010B	02/28/08 12:48	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:48	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	02/28/08 12:48	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:48	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	02/28/08 12:48	VLO	
Thallium [7440-28-0] ^	**0.042**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/22/08 13:38	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	02/28/08 12:48	VLO	
Zinc [7440-66-6] ^	**15.2**		ug/L	1	1.0	10.0	10	EPA 6010B	02/28/08 12:48	VLO	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B28017 - EPA 5030B_MS

Blank (8B28017-BLK1) Prepared: 02/28/2008 14:05 Analyzed: 02/29/2008 22:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*61-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B28017 - EPA 5030B_MS

Blank (8B28017-BLK1) Continued Prepared: 02/28/2008 14:05 Analyzed: 02/29/2008 22:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*85*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*69-120*			

LCS (8B28017-BS1) Prepared: 02/28/2008 14:05 Analyzed: 03/01/2008 09:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		88	71-121			
Benzene	19		1.0	ug/L	20.0		94	77-128			
Trichloroethene	16		1.0	ug/L	20.0		82	79-120			
Toluene	16		1.0	ug/L	20.0		78	77-120			
Chlorobenzene	16		1.0	ug/L	20.0		78	78-120			

Matrix Spike (8B28017-MS1) Prepared: 02/28/2008 14:05 Analyzed: 02/29/2008 23:25

Source: C800853-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.14 U	100	71-121			
Benzene	23		1.0	ug/L	20.0	2.4	105	77-128			
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	93	79-120			
Toluene	18		1.0	ug/L	20.0	0.15 U	92	77-120			
Chlorobenzene	24		1.0	ug/L	20.0	7.6	82	78-120			

Matrix Spike Dup (8B28017-MSD1) Prepared: 02/28/2008 14:05 Analyzed: 02/29/2008 23:54

Source: C800853-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.14 U	98	71-121	3	27	
Benzene	23		1.0	ug/L	20.0	2.4	102	77-128	2	27	
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	94	79-120	1	27	
Toluene	18		1.0	ug/L	20.0	0.15 U	90	77-120	2	23	
Chlorobenzene	25		1.0	ug/L	20.0	7.6	86	78-120	3	25	

Batch 8C01001 - EPA 5030B_MS

Blank (8C01001-BLK1) Prepared: 03/01/2008 10:54 Analyzed: 03/01/2008 23:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8C01001 - EPA 5030B_MS

Blank (8C01001-BLK1) Continued Prepared: 03/01/2008 10:54 Analyzed: 03/01/2008 23:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*61-120*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*91*	*69-120*			

LCS (8C01001-BS1) Prepared: 03/01/2008 10:54 Analyzed: 03/01/2008 23:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		111	71-121			
Benzene	21		1.0	ug/L	20.0		104	77-128			
Trichloroethene	18		1.0	ug/L	20.0		88	79-120			
Toluene	17		1.0	ug/L	20.0		86	77-120			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8C01001 - EPA 5030B_MS

LCS (8C01001-BS1) Continued Prepared: 03/01/2008 10:54 Analyzed: 03/01/2008 23:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	17		1.0	ug/L	20.0		87	78-120			

Matrix Spike (8C01001-MS1) Prepared: 03/01/2008 10:54 Analyzed: 03/02/2008 00:03

Source: C801729-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.14 U	100	71-121			
Benzene	21		1.0	ug/L	20.0	0.12 U	103	77-128			
Trichloroethene	17		1.0	ug/L	20.0	0.23 U	84	79-120			
Toluene	16		1.0	ug/L	20.0	0.15 U	82	77-120			
Chlorobenzene	17		1.0	ug/L	20.0	0.16 U	83	78-120			

Matrix Spike Dup (8C01001-MSD1) Prepared: 03/01/2008 10:54 Analyzed: 03/02/2008 00:32

Source: C801729-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	97	71-121	2	27	
Benzene	20		1.0	ug/L	20.0	0.12 U	101	77-128	2	27	
Trichloroethene	16		1.0	ug/L	20.0	0.23 U	82	79-120	2	27	
Toluene	17		1.0	ug/L	20.0	0.15 U	83	77-120	0.8	23	
Chlorobenzene	16		1.0	ug/L	20.0	0.16 U	82	78-120	0.5	25	

Batch 8C03011 - EPA 5030B_MS

Blank (8C03011-BLK1) Prepared: 03/03/2008 10:27 Analyzed: 03/03/2008 11:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8C03011 - EPA 5030B_MS

Blank (8C03011-BLK1) Continued Prepared: 03/03/2008 10:27 Analyzed: 03/03/2008 11:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*61-120*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*69-120*			

LCS (8C03011-BS1) Prepared: 03/03/2008 11:27 Analyzed: 03/03/2008 11:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		103	71-121			
Benzene	20		1.0	ug/L	20.0		102	77-128			
Trichloroethene	18		1.0	ug/L	20.0		89	79-120			
Toluene	17		1.0	ug/L	20.0		83	77-120			
Chlorobenzene	17		1.0	ug/L	20.0		83	78-120			

Matrix Spike (8C03011-MS1) Prepared: 03/03/2008 11:27 Analyzed: 03/03/2008 12:09

Source: C801899-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.14 U	109	71-121			
Benzene	21		1.0	ug/L	20.0	0.12 U	103	77-128			
Trichloroethene	18		1.0	ug/L	20.0	0.23 U	89	79-120			
Toluene	17		1.0	ug/L	20.0	0.15 U	87	77-120			
Chlorobenzene	17		1.0	ug/L	20.0	0.16 U	86	78-120			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8C03011 - EPA 5030B_MS

Matrix Spike Dup (8C03011-MSD1) Prepared: 03/03/2008 11:27 Analyzed: 03/03/2008 12:38

Source: C801899-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.14 U	107	71-121	2	27	
Benzene	20		1.0	ug/L	20.0	0.12 U	102	77-128	1	27	
Trichloroethene	17		1.0	ug/L	20.0	0.23 U	87	79-120	2	27	
Toluene	16		1.0	ug/L	20.0	0.15 U	82	77-120	6	23	
Chlorobenzene	16		1.0	ug/L	20.0	0.16 U	82	78-120	4	25	

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8B21042 - EPA 3510C_MS

Blank (8B21042-BLK1) Prepared: 02/21/2008 18:09 Analyzed: 02/22/2008 19:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Naphthalene	2.1	U	10	ug/L							
Surrogate: 2-Fluorophenol	*59*			*ug/L*	*100*		*59*	*38-71*			
Surrogate: Phenol-d5	*50*			*ug/L*	*100*		*50*	*30-56*			
Surrogate: Nitrobenzene-d5	*33*			*ug/L*	*50.0*		*66*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*32*			*ug/L*	*50.0*		*64*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*40-124*			
Surrogate: Terphenyl-d14	*36*			*ug/L*	*50.0*		*72*	*50-139*			

LCS (8B21042-BS1) Prepared: 02/21/2008 18:09 Analyzed: 02/22/2008 20:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	30		10	ug/L	50.0		60	10-78			
1,4-Dichlorobenzene	29		10	ug/L	50.0		59	10-66			
2,4-Dinitrotoluene	52		10	ug/L	50.0		103	52-115			
2-Chlorophenol	42		10	ug/L	50.0		84	51-89			
4-Chloro-3-methylphenol	45		10	ug/L	50.0		90	56-103			
4-Nitrophenol	35		10	ug/L	50.0		69	28-86			
Acenaphthene	38		10	ug/L	50.0		76	38-100			
N-Nitroso-di-n-propylamine	49		10	ug/L	50.0		98	51-91			QL-02
Pentachlorophenol	57		10	ug/L	50.0		114	24-132			
Phenol	30		10	ug/L	50.0		60	33-58			QL-02
Pyrene	44		10	ug/L	50.0		88	61-135			
Surrogate: 2-Fluorophenol	*63*			*ug/L*	*100*		*63*	*38-71*			
Surrogate: Phenol-d5	*53*			*ug/L*	*100*		*53*	*30-56*			
Surrogate: Nitrobenzene-d5	*34*			*ug/L*	*50.0*		*68*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*34*			*ug/L*	*50.0*		*68*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*85*			*ug/L*	*100*		*85*	*40-124*			
Surrogate: Terphenyl-d14	*36*			*ug/L*	*50.0*		*73*	*50-139*			

Matrix Spike (8B21042-MS1) Prepared: 02/21/2008 18:09 Analyzed: 02/22/2008 20:57

Source: C801549-12

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8B21042 - EPA 3510C_MS

Matrix Spike (8B21042-MS1) Continued Prepared: 02/21/2008 18:09 Analyzed: 02/22/2008 20:57

Source: C801549-12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	29		10	ug/L	50.0	2.1 U	57	10-78			
1,4-Dichlorobenzene	29		10	ug/L	50.0	2.2 U	59	10-66			
2,4-Dinitrotoluene	54		10	ug/L	50.0	1.2 U	109	52-115			
2-Chlorophenol	41		10	ug/L	50.0	2.0 U	82	51-89			
4-Chloro-3-methylphenol	43		10	ug/L	50.0	1.4 U	86	56-103			
4-Nitrophenol	39		10	ug/L	50.0	1.2 U	78	28-86			
Acenaphthene	31		10	ug/L	50.0	1.4 U	63	38-100			
N-Nitroso-di-n-propylamine	49		10	ug/L	50.0	2.1 U	97	51-91			QM-07
Pentachlorophenol	63		10	ug/L	50.0	1.2 U	126	24-132			
Phenol	28		10	ug/L	50.0	1.5 U	56	33-58			
Pyrene	48		10	ug/L	50.0	1.3 U	95	61-135			
Surrogate: 2-Fluorophenol	*61*			*ug/L*	*100*		*61*	*38-71*			
Surrogate: Phenol-d5	*50*			*ug/L*	*100*		*50*	*30-56*			
Surrogate: Nitrobenzene-d5	*33*			*ug/L*	*50.0*		*66*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*34*			*ug/L*	*50.0*		*67*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*90*			*ug/L*	*100*		*90*	*40-124*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*79*	*50-139*			

Matrix Spike Dup (8B21042-MSD1) Prepared: 02/21/2008 18:09 Analyzed: 02/22/2008 21:25

Source: C801549-12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	27		10	ug/L	50.0	2.1 U	54	10-78	6	31	
1,4-Dichlorobenzene	28		10	ug/L	50.0	2.2 U	55	10-66	7	31	
2,4-Dinitrotoluene	53		10	ug/L	50.0	1.2 U	105	52-115	4	15	
2-Chlorophenol	41		10	ug/L	50.0	2.0 U	81	51-89	0.8	22	
4-Chloro-3-methylphenol	43		10	ug/L	50.0	1.4 U	87	56-103	0.8	28	
4-Nitrophenol	37		10	ug/L	50.0	1.2 U	75	28-86	5	16	
Acenaphthene	30		10	ug/L	50.0	1.4 U	60	38-100	4	27	
N-Nitroso-di-n-propylamine	49		10	ug/L	50.0	2.1 U	97	51-91	0.3	16	QM-07
Pentachlorophenol	60		10	ug/L	50.0	1.2 U	120	24-132	5	17	
Phenol	27		10	ug/L	50.0	1.5 U	55	33-58	2	20	
Pyrene	44		10	ug/L	50.0	1.3 U	88	61-135	8	20	
Surrogate: 2-Fluorophenol	*59*			*ug/L*	*100*		*59*	*38-71*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*30-56*			
Surrogate: Nitrobenzene-d5	*33*			*ug/L*	*50.0*		*66*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*34*			*ug/L*	*50.0*		*68*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*87*			*ug/L*	*100*		*87*	*40-124*			
Surrogate: Terphenyl-d14	*37*			*ug/L*	*50.0*		*75*	*50-139*			

Batch 8B25026 - EPA 3510C_MS

Blank (8B25026-BLK1) Prepared: 02/25/2008 17:15 Analyzed: 03/04/2008 21:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Naphthalene	2.1	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8B25026 - EPA 3510C_MS

Blank (8B25026-BLK1) Continued Prepared: 02/25/2008 17:15 Analyzed: 03/04/2008 21:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*38-71*			
Surrogate: Phenol-d5	*43*			*ug/L*	*100*		*43*	*30-56*			
Surrogate: Nitrobenzene-d5	*28*			*ug/L*	*50.0*		*56*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*28*			*ug/L*	*50.0*		*55*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*40-124*			
Surrogate: Terphenyl-d14	*36*			*ug/L*	*50.0*		*73*	*50-139*			

LCS (8B25026-BS1) Prepared: 02/25/2008 17:15 Analyzed: 03/04/2008 22:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	30		10	ug/L	50.0		60	10-78			
1,4-Dichlorobenzene	29		10	ug/L	50.0		57	10-66			
2,4-Dinitrotoluene	46		10	ug/L	50.0		91	52-115			
2-Chlorophenol	39		10	ug/L	50.0		78	51-89			
4-Chloro-3-methylphenol	41		10	ug/L	50.0		82	56-103			
4-Nitrophenol	31		10	ug/L	50.0		63	28-86			
Acenaphthene	36		10	ug/L	50.0		72	38-100			
N-Nitroso-di-n-propylamine	46		10	ug/L	50.0		91	51-91			
Pentachlorophenol	53		10	ug/L	50.0		106	24-132			
Phenol	26		10	ug/L	50.0		52	33-58			
Pyrene	40		10	ug/L	50.0		80	61-135			
Surrogate: 2-Fluorophenol	*59*			*ug/L*	*100*		*59*	*38-71*			
Surrogate: Phenol-d5	*49*			*ug/L*	*100*		*49*	*30-56*			
Surrogate: Nitrobenzene-d5	*32*			*ug/L*	*50.0*		*63*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*31*			*ug/L*	*50.0*		*63*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*90*			*ug/L*	*100*		*90*	*40-124*			
Surrogate: Terphenyl-d14	*34*			*ug/L*	*50.0*		*68*	*50-139*			

Matrix Spike (8B25026-MS1) Prepared: 02/25/2008 17:15 Analyzed: 03/04/2008 22:50

Source: C800853-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	33		10	ug/L	50.0	2.1 U	66	10-78			
1,4-Dichlorobenzene	38		10	ug/L	50.0	8.7	59	10-66			
2,4-Dinitrotoluene	49		10	ug/L	50.0	1.2 U	98	52-115			
2-Chlorophenol	40		10	ug/L	50.0	2.0 U	80	51-89			
4-Chloro-3-methylphenol	44		10	ug/L	50.0	1.4 U	88	56-103			
4-Nitrophenol	38		10	ug/L	50.0	1.2 U	76	28-86			
Acenaphthene	41		10	ug/L	50.0	1.4 U	82	38-100			
N-Nitroso-di-n-propylamine	44		10	ug/L	50.0	2.1 U	89	51-91			
Pentachlorophenol	59		10	ug/L	50.0	1.2 U	117	24-132			
Phenol	27		10	ug/L	50.0	1.5 U	53	33-58			
Pyrene	46		10	ug/L	50.0	1.3 U	93	61-135			
Surrogate: 2-Fluorophenol	*58*			*ug/L*	*100*		*58*	*38-71*			
Surrogate: Phenol-d5	*48*			*ug/L*	*100*		*48*	*30-56*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*62*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*33*			*ug/L*	*50.0*		*66*	*36-100*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 8B25026 - EPA 3510C_MS

Matrix Spike (8B25026-MS1) Continued Prepared: 02/25/2008 17:15 Analyzed: 03/04/2008 22:50

Source: C800853-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,6-Tribromophenol	*99*			*ug/L*	*100*		*99*	*40-124*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*50-139*			

Matrix Spike Dup (8B25026-MSD1) Prepared: 02/25/2008 17:15 Analyzed: 03/04/2008 23:20

Source: C800853-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	33		10	ug/L	50.0	2.1 U	67	10-78	1	31	
1,4-Dichlorobenzene	40		10	ug/L	50.0	8.7	62	10-66	4	31	
2,4-Dinitrotoluene	49		10	ug/L	50.0	1.2 U	98	52-115	0.2	15	
2-Chlorophenol	41		10	ug/L	50.0	2.0 U	83	51-89	3	22	
4-Chloro-3-methylphenol	45		10	ug/L	50.0	1.4 U	89	56-103	2	28	
4-Nitrophenol	40		10	ug/L	50.0	1.2 U	80	28-86	5	16	
Acenaphthene	41		10	ug/L	50.0	1.4 U	82	38-100	0	27	
N-Nitroso-di-n-propylamine	45		10	ug/L	50.0	2.1 U	90	51-91	1	16	
Pentachlorophenol	59		10	ug/L	50.0	1.2 U	117	24-132	0.3	17	
Phenol	28		10	ug/L	50.0	1.5 U	55	33-58	3	20	
Pyrene	45		10	ug/L	50.0	1.3 U	90	61-135	2	20	
Surrogate: 2-Fluorophenol	*59*			*ug/L*	*100*		*59*	*38-71*			
Surrogate: Phenol-d5	*51*			*ug/L*	*100*		*51*	*30-56*			
Surrogate: Nitrobenzene-d5	*32*			*ug/L*	*50.0*		*64*	*45-92*			
Surrogate: 2-Fluorobiphenyl	*33*			*ug/L*	*50.0*		*67*	*36-100*			
Surrogate: 2,4,6-Tribromophenol	*100*			*ug/L*	*100*		*101*	*40-124*			
Surrogate: Terphenyl-d14	*38*			*ug/L*	*50.0*		*76*	*50-139*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8B21024 - EPA 3005A

Blank (8B21024-BLK1) Prepared: 02/21/2008 12:33 Analyzed: 02/28/2008 10:30

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

LCS (8B21024-BS1) Prepared: 02/21/2008 12:33 Analyzed: 02/28/2008 10:37

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8B21024 - EPA 3005A

LCS (8B21024-BS1) Continued Prepared: 02/21/2008 12:33 Analyzed: 02/28/2008 10:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	502		10.0	ug/L	500		100	82-117			
Barium	498		10.0	ug/L	500		100	72-125			
Beryllium	252		1.00	ug/L	250		101	75-121			
Cadmium	252		1.00	ug/L	250		101	72-120			
Chromium	489		10.0	ug/L	500		98	78-119			
Cobalt	486		10.0	ug/L	500		97	76-117			
Copper	245		10.0	ug/L	250		98	80-117			
Lead	492		10.0	ug/L	500		98	72-121			
Nickel	491		10.0	ug/L	500		98	78-116			
Selenium	519		10.0	ug/L	500		104	82-127			
Silver	48.6		10.0	ug/L	50.0		97	80-128			
Vanadium	238		10.0	ug/L	250		95	78-117			
Zinc	499		10.0	ug/L	500		100	80-120			

Matrix Spike (8B21024-MS1) Prepared: 02/21/2008 12:33 Analyzed: 02/28/2008 10:53

Source: C800853-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	499		10.0	ug/L	500	3.3	99	64-126			
Barium	558		10.0	ug/L	500	61.5	99	74-119			
Beryllium	252		1.00	ug/L	250	0.70 U	101	70-131			
Cadmium	250		1.00	ug/L	250	0.50 U	100	68-121			
Chromium	483		10.0	ug/L	500	2.0 U	97	73-120			
Cobalt	516		10.0	ug/L	500	29.1	97	76-120			
Copper	247		10.0	ug/L	250	0.80	99	75-123			
Lead	495		10.0	ug/L	500	2.0 U	99	68-126			
Nickel	496		10.0	ug/L	500	2.0 U	99	64-126			
Selenium	501		10.0	ug/L	500	2.0 U	100	65-129			
Silver	48.2		10.0	ug/L	50.0	2.0 U	96	69-121			
Vanadium	211		10.0	ug/L	250	1.0 U	84	71-130			
Zinc	514		10.0	ug/L	500	25.0	98	63-131			

Matrix Spike Dup (8B21024-MSD1) Prepared: 02/21/2008 12:33 Analyzed: 02/28/2008 11:00

Source: C800853-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508		10.0	ug/L	500	3.3	101	64-126	2	12	
Barium	567		10.0	ug/L	500	61.5	101	74-119	2	11	
Beryllium	257		1.00	ug/L	250	0.70 U	103	70-131	2	21	
Cadmium	254		1.00	ug/L	250	0.50 U	102	68-121	2	12	
Chromium	492		10.0	ug/L	500	2.0 U	98	73-120	2	10	
Cobalt	526		10.0	ug/L	500	29.1	99	76-120	2	17	
Copper	251		10.0	ug/L	250	0.80	100	75-123	2	16	
Lead	505		10.0	ug/L	500	2.0 U	101	68-126	2	19	
Nickel	503		10.0	ug/L	500	2.0 U	101	64-126	1	12	
Selenium	508		10.0	ug/L	500	2.0 U	102	65-129	2	10	
Silver	48.8		10.0	ug/L	50.0	2.0 U	98	69-121	1	12	
Vanadium	215		10.0	ug/L	250	1.0 U	86	71-130	2	16	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8B21024 - EPA 3005A

Matrix Spike Dup (8B21024-MSD1) Continued Prepared: 02/21/2008 12:33 Analyzed: 02/28/2008 11:00

Source: C800853-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	529		10.0	ug/L	500	25.0	101	63-131	3	24	

Batch 8B21025 - EPA 3005A

Blank (8B21025-BLK1) Prepared: 02/21/2008 12:36 Analyzed: 02/22/2008 12:45

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

LCS (8B21025-BS1) Prepared: 02/21/2008 12:36 Analyzed: 02/22/2008 12:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.3		2.00	ug/L	25.0		109	85-115			
Thallium	27.3		1.00	ug/L	25.0		109	85-115			

Matrix Spike (8B21025-MS1) Prepared: 02/21/2008 12:36 Analyzed: 02/22/2008 12:53

Source: C800853-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.3		2.00	ug/L	25.0	0.68 U	105	85-115			
Thallium	26.9		1.00	ug/L	25.0	0.229	107	85-115			

Matrix Spike Dup (8B21025-MSD1) Prepared: 02/21/2008 12:36 Analyzed: 02/22/2008 12:56

Source: C800853-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.8		2.00	ug/L	25.0	0.68 U	107	85-115	2	20	
Thallium	27.2		1.00	ug/L	25.0	0.229	108	85-115	0.9	20	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Page 1 of 2

Client Name: Municipal Engineering Services (MU001)	Project Number: G08007.0 Closed
Address: P.O. Box 97	Project Name/Desc: Cherokee Co. 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 MECO	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1; 8270C Napthalene Only; 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: C800853

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	8270C Napthalene Only	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Sample Comments
	MW-6 MS/MSD	2/19/08	12:00	Grab	Water	9	X	X	X	
	MW-6R	2/18/08	10:30		Water	4	X		X	
	~~MW~~ SW-1	2/19/08	9:00		Water	4	X		X	
	MW-2R	2/18/08	5:30		Water	4	X		X	
	MW-2	2/18/08	6:10		Water	4	X		X	
	MW-4R	2/19/08	9:40		Water	4	X		X	
	MW-7		10:30		Water	4	X		X	
	MW-3		1:15		Water	4	X		X	
	MW-5		2:20		Water	4	X		X	
	MW-1		3:00		Water	4	X		X	
	~~MW~~ Rathbone		12:20		Water	4	X		X	
	~~MW~~ Pendergrass		1:25		Water	4	X		X	

<- Total # of Containers

Sample Kit Prepared By: DSW JWL	Date/Time: 1/29/08	Relinquished By: [illegible] 2/20/08 12:00pm	Date/Time:
Comments: Rathbone reported added Bleach to his well & routinely does Quarterly		Relinquished By: Jessica Pfohl 2/20/08 5:00pm	Date/Time:
		Relinquished By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-388 2.9°C	

Received By: Jessica Pfohl	Date/Time: 2/20/08 12:00pm	
Received By: Briana Gregory	Date/Time: 2/20/08 17:00	
Received By:	Date/Time:	
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: G08007.0 Closed
Address: P.O. Box 97	Project Name/Desc: Cherokee Co. 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):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1; 8270C; 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: C800853

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	8270C	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn								Sample Comments
	~~MW~~ Solesbee	2/19/08	1:35	Grab	Water	4	X		X								
	~~MW~~ VanBuskirk (Haney)	2/19/08	1:50		Water	4	X		X								
	~~MW~~				Water	4	X		X								

<-- Total # of Containers

Sample Kit Prepared By: DSW JWL	Date/Time: 1/29/08	Relinquished By: [signature]	Date/Time: 2/20/08 13:00	Received By: Jessica Pfohl	Date/Time: 2/20/08 12:00pm
Comments:		Relinquished By: Jessica Pfohl	Date/Time: 2/20/08 5:00pm	Received By: Briana Gregory	Date/Time: 2/20/08 17:00
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-388 2.9°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

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

Thursday, February 28, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G08007.0 Blanks, Project Name/Desc: Cherokee Co. Landfills
ENCO Workorder: C800852

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, February 20, 2008.

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

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

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

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

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 13.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	EB	Lab ID:	C800852-01	Sampled:	02/18/08 08:15	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/03/08	02/27/08 08:23	2/27/2008 15:19

Client ID:	FB	Lab ID:	C800852-02	Sampled:	02/18/08 08:20	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/03/08	02/27/08 08:23	2/27/2008 15:48

Client ID:	TB	Lab ID:	C800852-03	Sampled:	02/18/08 00:00	Received:	02/20/08 17:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	03/03/08	02/27/08 08:23	2/27/2008 16:17

SAMPLE DETECTION SUMMARY

No positive results detected.

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ANALYTICAL RESULTS

Description: EB
Matrix: Water
Project: Cherokee Co. Landfills

Lab Sample ID: C800852-01
Sampled: 02/18/08 08:15
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800852

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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Description:	EB	**Lab Sample ID:**	C800852-01	**Received:**	02/20/08 17:00
Matrix:	Water	**Sampled:**	02/18/08 08:15	**Work Order:**	C800852
Project:	Cherokee Co. Landfills	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/27/08 15:19	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/27/08 15:19	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/27/08 15:19	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/27/08 15:19	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*69-120*	*8B27004*	*EPA 8260B*	*02/27/08 15:19*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*61-120*	*8B27004*	*EPA 8260B*	*02/27/08 15:19*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*75-99*	*8B27004*	*EPA 8260B*	*02/27/08 15:19*	*jkg*	

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

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Description: FB
Matrix: Water
Project: Cherokee Co. Landfills

Lab Sample ID: C800852-02
Sampled: 02/18/08 08:20
Sampled By: J. Pfohl

Received: 02/20/08 17:00
Work Order: C800852

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/27/08 15:48	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/27/08 15:48	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/27/08 15:48	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/27/08 15:48	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/27/08 15:48	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/27/08 15:48	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/27/08 15:48	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/27/08 15:48	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/27/08 15:48	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/27/08 15:48	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/27/08 15:48	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/27/08 15:48	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/27/08 15:48	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/27/08 15:48	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/27/08 15:48	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/27/08 15:48	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/27/08 15:48	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/27/08 15:48	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/27/08 15:48	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/27/08 15:48	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/27/08 15:48	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/27/08 15:48	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/27/08 15:48	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/27/08 15:48	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/27/08 15:48	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/27/08 15:48	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/27/08 15:48	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/27/08 15:48	jkg	

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Description:	FB	**Lab Sample ID:**	C800852-02	**Received:**	02/20/08 17:00
Matrix:	Water	**Sampled:**	02/18/08 08:20	**Work Order:**	C800852
Project:	Cherokee Co. Landfills	**Sampled By:**	J. Pfohl		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/27/08 15:48	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*69-120*	*8B27004*	*EPA 8260B*	*02/27/08 15:48*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*61-120*	*8B27004*	*EPA 8260B*	*02/27/08 15:48*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*75-99*	*8B27004*	*EPA 8260B*	*02/27/08 15:48*	*jkg*	

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

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Description: TB
Matrix: Water
Project: Cherokee Co. Landfills

Lab Sample ID: C800852-03
Sampled: 02/18/08 00:00
Sampled By:

Received: 02/20/08 17:00
Work Order: C800852

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/27/08 16:17	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/27/08 16:17	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
1,1-Dichloroethane [75-34-3] ^	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/27/08 16:17	jkg	
1,1-Dichloroethene [75-35-4] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/27/08 16:17	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/27/08 16:17	jkg	
1,2-Dibromoethane [106-93-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/27/08 16:17	jkg	
1,2-Dichloroethane [107-06-2] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
1,2-Dichloropropane [78-87-5] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
2-Butanone [78-93-3] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/27/08 16:17	jkg	
2-Hexanone [591-78-6] ^	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/27/08 16:17	jkg	
4-Methyl-2-pentanone [108-10-1] ^	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/27/08 16:17	jkg	
Acetone [67-64-1] ^	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	02/27/08 16:17	jkg	
Acrylonitrile [107-13-1] ^	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/27/08 16:17	jkg	
Benzene [71-43-2] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Bromochloromethane [74-97-5] ^	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/27/08 16:17	jkg	
Bromodichloromethane [75-27-4] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Bromoform [75-25-2] ^	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/27/08 16:17	jkg	
Bromomethane [74-83-9] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/27/08 16:17	jkg	
Carbon disulfide [75-15-0] ^	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/27/08 16:17	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Chlorobenzene [108-90-7] ^	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/27/08 16:17	jkg	
Chloroethane [75-00-3] ^	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/27/08 16:17	jkg	
Chloroform [67-66-3] ^	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	02/27/08 16:17	jkg	
Chloromethane [74-87-3] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/27/08 16:17	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Dibromochloromethane [124-48-1] ^	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/27/08 16:17	jkg	
Dibromomethane [74-95-3] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/27/08 16:17	jkg	
Ethylbenzene [100-41-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Iodomethane [74-88-4] ^	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/27/08 16:17	jkg	
Methylene chloride [75-09-2] ^	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/27/08 16:17	jkg	
Styrene [100-42-5] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Tetrachloroethene [127-18-4] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Toluene [108-88-3] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/27/08 16:17	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/27/08 16:17	jkg	
Trichloroethene [79-01-6] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Trichlorofluoromethane [75-69-4] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/27/08 16:17	jkg	
Vinyl acetate [108-05-4] ^	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/27/08 16:17	jkg	
Vinyl chloride [75-01-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/27/08 16:17	jkg	

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Description:	TB	**Lab Sample ID:**	C800852-03	**Received:**	02/20/08 17:00
Matrix:	Water	**Sampled:**	02/18/08 00:00	**Work Order:**	C800852
Project:	Cherokee Co. Landfills	**Sampled By:**			

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/27/08 16:17	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*69-120*	*8B27004*	*EPA 8260B*	*02/27/08 16:17*	*jkg*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*61-120*	*8B27004*	*EPA 8260B*	*02/27/08 16:17*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*75-99*	*8B27004*	*EPA 8260B*	*02/27/08 16:17*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B27004 - EPA 5030B_MS

Blank (8B27004-BLK1) Prepared: 02/27/2008 08:23 Analyzed: 02/27/2008 11:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	1.0	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*61-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8B27004 - EPA 5030B_MS

Blank (8B27004-BLK1) Continued Prepared: 02/27/2008 08:23 Analyzed: 02/27/2008 11:37

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

LCS (8B27004-BS1) Prepared: 02/27/2008 08:23 Analyzed: 02/27/2008 12:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		99	71-121			
Benzene	20		1.0	ug/L	20.0		100	77-128			
Trichloroethene	17		1.0	ug/L	20.0		87	79-120			
Toluene	18		1.0	ug/L	20.0		89	77-120			
Chlorobenzene	17		1.0	ug/L	20.0		85	78-120			

Matrix Spike (8B27004-MS1) Prepared: 02/27/2008 08:23 Analyzed: 02/27/2008 12:35

Source: C801729-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.14 U	102	71-121			
Benzene	21		1.0	ug/L	20.0	0.12 U	103	77-128			
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	93	79-120			
Toluene	19		1.0	ug/L	20.0	0.15 U	94	77-120			
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	90	78-120			

Matrix Spike Dup (8B27004-MSD1) Prepared: 02/27/2008 08:23 Analyzed: 02/27/2008 13:04

Source: C801729-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	97	71-121	6	27	
Benzene	19		1.0	ug/L	20.0	0.12 U	97	77-128	7	27	
Trichloroethene	18		1.0	ug/L	20.0	0.23 U	89	79-120	4	27	
Toluene	18		1.0	ug/L	20.0	0.15 U	90	77-120	4	23	
Chlorobenzene	17		1.0	ug/L	20.0	0.16 U	87	78-120	4	25	

FLAGS/NOTES AND DEFINITIONS

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
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Page 1 of 1

Client Name: Municipal Engineering Services (MU001)	Project Number: G08007.0 Blanks
Address: P.O. Box 97	Project Name/Desc: Cherokee 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, MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required):

Requested Analyses: 8260B Appendix 1

Requested Turnaround Times: Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C800852

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	EB	2/18/08	8:15	Grab	Water	3	X	
	FB		8:20		Water	3	X	
	TB	ENCO Filled			Water	2 JWL 2/29	X	

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: JWL	Date/Time	Relinquished By: [signature] 2/20/08 13:00PM	Date/Time	Received By: Jessica Pfohl	Date/Time: 2/20/08 12:00 pm
Comments: ENCO DI H2O Disposable Bailer for EB		Relinquished By: Jessica Pfohl	Date/Time: 2/20/08 5:00pm	Received By: Brina Gregory	Date/Time: 2/20/08 17:00
		Relinquished By:	Date/Time	Received By:	Date/Time

Cooler #'s & Temps on Receipt: 5M03 2.9

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.