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)
Iredell County C&D Landfill Phases 1, 2, & 3	3260 Twin Oaks Road Statesville, NC 28687	49-03	.0500	January 22 & 24, 2008

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Jonathan Pfohl	Environmental Specialist	(919) 772-5393
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
Signature	3/25/08 Date	Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

Semi-Annual Groundwater Sampling and Analysis Report

Prepared for

Iredell County C&D Landfill, Phases 1,2 & 3
Statesville, North Carolina

January, 2008

Permit Number: 49-03
MESCO Project Number: G08014.0

Completed on March 25, 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.

March 25, 2008

Ms. Jaclynne Drummond
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Groundwater Sampling and Analysis Report
Iredell County C&D Landfill, phases 1, 2, and 3
Permit No. 49-03
MESCO Project No. G08014.0

Dear Ms. Drummond:

The stand alone unlined Iredell County Construction & Demolition (C&D) Landfill phases 1, 2, and 3 areas located in Statesville NC were sampled by Municipal Engineering Company, P.A. (MESCO) on January 22 & 24, 2008 concurrently with the facilities Subtitle D Lined Landfills as part of the detection monitoring program. All of the monitoring locations were sampled during this semi-annual event with the exception of upgradient surface water SW-6 and downgradient monitoring well MW-10R which were dry. All of the C&D landfill monitoring wells were analyzed for the Appendix I list of metals and VOCs as well as the required field parameters. The reports for the active lined Subtitle D Landfills which comprise a separate portion of the facility are contained in separate submittals. Environmental Conservation Laboratories, Inc. (ENCO) of Cary, NC completed the laboratory analysis. The laboratory results were reported to the MDL with reference to the current Solid Waste Section Limits (SWSL) and the Groundwater Protection Standards (GWP). It is important to note that by reporting analysis results to the MDL several more parameters were found during this event than would have been had the Sections 1994 recommended PQL's continued to have been utilized. The laboratory results are included herein.

Water levels were also obtained from additional piezometers surrounding both the Phase 2 Subtitle D and C&D landfills. These readings were utilized to supplement the water elevations from the monitoring wells to construct a more accurate potentiometric surface.

All detected constituents were analyzed for regulatory exceedance with reference to North Carolina Groundwater Standards (NCGW2L). The results are shown in the enclosed tables titled "Detection Scans". The following table summarizes all of the constituents that exceeded the NCGW2L Standard.

Table 1. Exceedance Summary

Monitoring Location	Lead
MW-16	x
MW-25	x

x=concentration greater than NCGW2L Standard

All of the monitoring locations that monitor the C&D region were found to contain concentrations of metals above the SWSL but only lead within MW-16 and MW-25 was detected above the NCGW2L Standard. All parameters were found within their respective historical range. The metals are very likely naturally inherent in the groundwater and not attributed to leachate migration. The elevated total metals are likely attributed to turbidity as the metal

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concentrations were highest in the wells with the highest turbidity.

Monitoring well MW-25 continues to be located upgradient of the waste limit indicating that the detected metals are not related to a release but rather naturally occurring.

Monitoring wells MW-9R and MW-9RR which monitor the eastern portion of the C&D phase 1 region continues to contain low level VOCs. The VOCs detected within the upper aquifer downgradient of C&D phase 1 consist of low level purgeable halocarbons and aromatics with none found above either the GWP or NCGW2L Standards. Natural attenuation appears to be ongoing as the VOC concentrations continue to decrease with levels found at or near their respective lowest identified concentration. Surface water SW-3, located on a very small tributary between MW-9RR and MW-16, lacked any VOCs indicating that the plume is isolated. Surface water SW-2 which is located further downstream beyond the property and is part of the Subtitle D Lined Landfill monitoring also lacked any VOC detections during this event.

MESCO completed the enclosed potentiometric map with groundwater elevations on the day of sampling, flow rates and direction. The calculated flow directions are consistent with previous events and the monitoring network continues to appear to be adequate. Calculated flow rates are consistent with previous events and varied considerably with values ranging from 11 ft/year to <254 ft/yr. The field data sheet and chain of custody is also enclosed.

The facility is scheduled to continue detection monitoring and will be sampled again in July 2008 with the sampling and analysis report to follow soon after. If you have any questions 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. David Lambert
Iredell County

Detection Scan All Detections above SWSL, GWP or NCGW2L
Iredell County C&D Landfill, Phases 1, 2, & 3

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-9R	Barium	01/22/2008	362	ug/L	0.20	100	2000			
MW-9R	cis-1,2-Dichloroethene	01/22/2008	9.6	ug/L	0.14	5	70			
MW-9R	Cobalt	01/22/2008	18.9	ug/L	2.0	10		70		
MW-9R	Trichloroethene	01/22/2008	1	ug/L	0.23	1	2.8			
MW-9RR	Barium	01/22/2008	153	ug/L	0.20	100	2000			
MW-9RR	Chromium	01/22/2008	28	ug/L	2.0	10	50			
MW-9RR	cis-1,2-Dichloroethene	01/22/2008	7.7	ug/L	0.14	5	70			
MW-9RR	**Vanadium**	**01/22/2008**	**16.8**	**ug/L**	**1.0**	**25**		**3.5**	**13.3**	
MW-9RR	Zinc	01/22/2008	26	ug/L	1.0	10	1050			
MW-16	Barium	01/24/2008	604	ug/L	0.20	100	2000			
MW-16	**Beryllium**	**01/24/2008**	**2.8**	**ug/L**	**0.70**	**1**		**2**	**0.8**	
MW-16	Chromium	01/24/2008	24.5	ug/L	2.0	10	50			
MW-16	Cobalt	01/24/2008	13.4	ug/L	2.0	10		70		
MW-16	Copper	01/24/2008	34.7	ug/L	0.60	10	1000			
MW-16	**Lead**	**01/24/2008**	**32.3**	**ug/L**	**2.0**	**10**	**15**		**17.3**	**Natural**
MW-16	**Vanadium**	**01/24/2008**	**106**	**ug/L**	**1.0**	**25**		**3.5**	**102.5**	
MW-16	Zinc	01/24/2008	151	ug/L	1.0	10	1050			
MW-22	Barium	01/22/2008	125	ug/L	0.20	100	2000			
MW-22	Chromium	01/22/2008	22.3	ug/L	2.0	10	50			
MW-22	Zinc	01/22/2008	16.1	ug/L	1.0	10	1050			
MW-23	Barium	01/22/2008	238	ug/L	0.20	100	2000			
MW-23	**Vanadium**	**01/22/2008**	**8**	**ug/L**	**1.0**	**25**		**3.5**	**4.5**	
MW-24D	Chromium	01/22/2008	18.9	ug/L	2.0	10	50			
MW-24D	Copper	01/22/2008	23.9	ug/L	0.60	10	1000			
MW-24D	**Vanadium**	**01/22/2008**	**32.3**	**ug/L**	**1.0**	**25**		**3.5**	**28.8**	
MW-24D	Zinc	01/22/2008	33.3	ug/L	1.0	10	1050			
MW-24S	Barium	01/22/2008	118	ug/L	0.20	100	2000			
MW-24S	Copper	01/22/2008	14.2	ug/L	0.60	10	1000			
MW-24S	**Vanadium**	**01/22/2008**	**18.9**	**ug/L**	**1.0**	**25**		**3.5**	**15.4**	
MW-24S	Zinc	01/22/2008	35	ug/L	1.0	10	1050			
MW-25	Barium	01/22/2008	592	ug/L	0.20	100	2000			
MW-25	**Beryllium**	**01/22/2008**	**3.3**	**ug/L**	**0.70**	**1**		**2**	**1.3**	
MW-25	Chromium	01/22/2008	31.2	ug/L	2.0	10	50			
MW-25	Cobalt	01/22/2008	21.9	ug/L	2.0	10		70		
MW-25	Copper	01/22/2008	69.4	ug/L	0.60	10	1000			
MW-25	**Lead**	**01/22/2008**	**19.7**	**ug/L**	**2.0**	10	**15**		**4.7**	**Natural**
MW-25	**Vanadium**	**01/22/2008**	**126**	**ug/L**	**1.0**	**25**		**3.5**	**122.5**	
MW-25	Zinc	01/22/2008	233	ug/L	1.0	10	1050			
MW-26D	Barium	01/22/2008	252	ug/L	0.20	100	2000			
MW-26D	Cadmium	01/22/2008	1.6	ug/L	0.50	1	1.75			
MW-26D	Chromium	01/22/2008	49.2	ug/L	2.0	10	50			
MW-26D	Cobalt	01/22/2008	17	ug/L	2.0	10		70		
MW-26D	Copper	01/22/2008	63.4	ug/L	0.60	10	1000			
MW-26D	**Vanadium**	**01/22/2008**	**84.9**	**ug/L**	**1.0**	**25**		**3.5**	**81.4**	
MW-26D	Zinc	01/22/2008	89	ug/L	1.0	10	1050			
MW-26S	Barium	01/22/2008	126	ug/L	0.20	100	2000			
MW-26S	Chromium	01/22/2008	12.2	ug/L	2.0	10	50			
MW-26S	**Vanadium**	**01/22/2008**	**8.2**	**ug/L**	**1.0**	**25**		**3.5**	**4.7**	
SW-3	Acetone	01/22/2008	350	ug/L	0.90	100	700			
SW-3	Barium	01/22/2008	144	ug/L	0.20	100	2000			
SW-3	Chromium	01/22/2008	10.8	ug/L	2.0	10	50			
SW-3	Copper	01/22/2008	16.4	ug/L	0.60	10	1000			
SW-3	**Vanadium**	**01/22/2008**	**19.2**	**ug/L**	**1.0**	**25**		**3.5**	**15.7**	
SW-3	Zinc	01/22/2008	125	ug/L	1.0	10	1050			
EB	Chloroform	01/21/2008	14	ug/L	0.16	5	70			
FB	Chloroform	01/21/2008	14	ug/L	0.16	5	70			

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause

[1] Table only contains detected constituents >SWSL, GWP, or NCGW2L

[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

Detection Scan All Detections above MDL
Iredell County C&D Landfill, Phases 1, 2, & 3

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-9R	Barium	01/22/2008	362	ug/L	0.20	100	2000			
MW-9R	Benzene	01/22/2008	0.77	ug/L	0.12	1	1			
MW-9R	cis-1,2-Dichloroethene	01/22/2008	9.6	ug/L	0.14	5	70			
MW-9R	Cobalt	01/22/2008	18.9	ug/L	2.0	10		70		
MW-9R	Nickel	01/22/2008	2.5	ug/L	2.0	50	100			
MW-9R	Thallium	01/22/2008	0.254	ug/L	0.036	5.5		0.28		
MW-9R	Trichloroethene	01/22/2008	1	ug/L	0.23	1	2.8			
MW-9R	Zinc	01/22/2008	2.7	ug/L	1.0	10	1050			
MW-9RR	Barium	01/22/2008	153	ug/L	0.20	100	2000			
MW-9RR	Benzene	01/22/2008	0.93	ug/L	0.12	1	1			
MW-9RR	Cadmium	01/22/2008	0.8	ug/L	0.50	1	1.75			
MW-9RR	Chromium	01/22/2008	28	ug/L	2.0	10	50			
MW-9RR	cis-1,2-Dichloroethene	01/22/2008	7.7	ug/L	0.14	5	70			
MW-9RR	Cobalt	01/22/2008	3.3	ug/L	2.0	10		70		
MW-9RR	Copper	01/22/2008	8.2	ug/L	0.60	10	1000			
MW-9RR	Nickel	01/22/2008	23.6	ug/L	2.0	50	100			
MW-9RR	Thallium	01/22/2008	0.224	ug/L	0.036	5.5		0.28		
MW-9RR	Trichloroethene	01/22/2008	0.52	ug/L	0.23	1	2.8			
MW-9RR	**Vanadium**	**01/22/2008**	**16.8**	**ug/L**	**1.0**	**25**		**3.5**	**13.3**	
MW-9RR	Zinc	01/22/2008	26	ug/L	1.0	10	1050			
MW-16	1,4-Dichlorobenzene	01/24/2008	0.57	ug/L	0.15	1	1.4			
MW-16	Arsenic	01/24/2008	7.6	ug/L	2.0	10	50			
MW-16	Barium	01/24/2008	604	ug/L	0.20	100	2000			
MW-16	Benzene	01/24/2008	0.73	ug/L	0.12	1	1			
MW-16	**Beryllium**	**01/24/2008**	**2.8**	**ug/L**	**0.70**	**1**		**2**	**0.8**	
MW-16	Chromium	01/24/2008	24.5	ug/L	2.0	10	50			
MW-16	cis-1,2-Dichloroethene	01/24/2008	2.8	ug/L	0.14	5	70			
MW-16	Cobalt	01/24/2008	13.4	ug/L	2.0	10		70		
MW-16	Copper	01/24/2008	34.7	ug/L	0.60	10	1000			
MW-16	**Lead**	**01/24/2008**	**32.3**	**ug/L**	**2.0**	10	**15**		**17.3**	**Natural**
MW-16	Nickel	01/24/2008	18.1	ug/L	2.0	50	100			
MW-16	Thallium	01/24/2008	0.085	ug/L	0.036	5.5		0.28		
MW-16	Trichloroethene	01/24/2008	0.91	ug/L	0.23	1	2.8			
MW-16	**Vanadium**	**01/24/2008**	**106**	**ug/L**	**1.0**	**25**		**3.5**	**102.5**	
MW-16	Zinc	01/24/2008	151	ug/L	1.0	10	1050			
MW-22	Arsenic	01/22/2008	2.4	ug/L	2.0	10	50			
MW-22	Barium	01/22/2008	125	ug/L	0.20	100	2000			
MW-22	Chromium	01/22/2008	22.3	ug/L	2.0	10	50			
MW-22	Copper	01/22/2008	3	ug/L	0.60	10	1000			
MW-22	Nickel	01/22/2008	9.7	ug/L	2.0	50	100			
MW-22	Selenium	01/22/2008	2.2	ug/L	2.0	10	50			
MW-22	Thallium	01/22/2008	0.043	ug/L	0.036	5.5		0.28		
MW-22	Vanadium	01/22/2008	2.9	ug/L	1.0	25		3.5		
MW-22	Zinc	01/22/2008	16.1	ug/L	1.0	10	1050			
MW-23	Barium	01/22/2008	238	ug/L	0.20	100	2000			
MW-23	Chromium	01/22/2008	5.9	ug/L	2.0	10	50			
MW-23	Copper	01/22/2008	2	ug/L	0.60	10	1000			
MW-23	Nickel	01/22/2008	5.8	ug/L	2.0	50	100			
MW-23	**Vanadium**	**01/22/2008**	**8**	**ug/L**	**1.0**	**25**		**3.5**	**4.5**	
MW-23	Zinc	01/22/2008	9.4	ug/L	1.0	10	1050			

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
MW-24D	Barium	01/22/2008	44.3	ug/L	0.20	100	2000			
MW-24D	Chromium	01/22/2008	18.9	ug/L	2.0	10	50			
MW-24D	Cobalt	01/22/2008	3	ug/L	2.0	10		70		
MW-24D	Copper	01/22/2008	23.9	ug/L	0.60	10	1000			
MW-24D	Lead	01/22/2008	2	ug/L	2.0	10	15			
MW-24D	Nickel	01/22/2008	8.7	ug/L	2.0	50	100			
MW-24D	Selenium	01/22/2008	3	ug/L	2.0	10	50			
MW-24D	Thallium	01/22/2008	0.049	ug/L	0.036	5.5		0.28		
MW-24D	**Vanadium**	**01/22/2008**	**32.3**	**ug/L**	**1.0**	**25**		**3.5**	**28.8**	
MW-24D	Zinc	01/22/2008	33.3	ug/L	1.0	10	1050			
MW-24S	Arsenic	01/22/2008	2.6	ug/L	2.0	10	50			
MW-24S	Barium	01/22/2008	118	ug/L	0.20	100	2000			
MW-24S	Chromium	01/22/2008	8.8	ug/L	2.0	10	50			
MW-24S	Cobalt	01/22/2008	3.9	ug/L	2.0	10		70		
MW-24S	Copper	01/22/2008	14.2	ug/L	0.60	10	1000			
MW-24S	Lead	01/22/2008	2.2	ug/L	2.0	10	15			
MW-24S	Nickel	01/22/2008	7.6	ug/L	2.0	50	100			
MW-24S	**Vanadium**	**01/22/2008**	**18.9**	**ug/L**	**1.0**	**25**		**3.5**	**15.4**	
MW-24S	Zinc	01/22/2008	35	ug/L	1.0	10	1050			
MW-25	Copper	01/22/2008	69.4	ug/L	0.60	10	1000			
MW-25	Arsenic	01/22/2008	7.8	ug/L	2.0	10	50			
MW-25	Barium	01/22/2008	592	ug/L	0.20	100	2000			
MW-25	**Beryllium**	**01/22/2008**	**3.3**	**ug/L**	**0.70**	**1**		**2**	**1.3**	
MW-25	Chromium	01/22/2008	31.2	ug/L	2.0	10	50			
MW-25	Cobalt	01/22/2008	21.9	ug/L	2.0	10		70		
MW-25	**Lead**	**01/22/2008**	**19.7**	**ug/L**	**2.0**	10	**15**		**4.7**	**Natural**
MW-25	Nickel	01/22/2008	20.7	ug/L	2.0	50	100			
MW-25	Thallium	01/22/2008	0.277	ug/L	0.036	5.5		0.28		
MW-25	**Vanadium**	**01/22/2008**	**126**	**ug/L**	**1.0**	**25**		**3.5**	**122.5**	
MW-25	Zinc	01/22/2008	233	ug/L	1.0	10	1050			
MW-26D	Arsenic	01/22/2008	3.8	ug/L	2.0	10	50			
MW-26D	Barium	01/22/2008	252	ug/L	0.20	100	2000			
MW-26D	Cadmium	01/22/2008	1.6	ug/L	0.50	1	1.75			
MW-26D	Chromium	01/22/2008	49.2	ug/L	2.0	10	50			
MW-26D	Cobalt	01/22/2008	17	ug/L	2.0	10		70		
MW-26D	Copper	01/22/2008	63.4	ug/L	0.60	10	1000			
MW-26D	Lead	01/22/2008	8.1	ug/L	2.0	10	15			
MW-26D	Nickel	01/22/2008	28.7	ug/L	2.0	50	100			
MW-26D	Silver	01/22/2008	2.8	ug/L	2.0	10	18			
MW-26D	Thallium	01/22/2008	0.078	ug/L	0.036	5.5		0.28		
MW-26D	**Vanadium**	**01/22/2008**	**84.9**	**ug/L**	**1.0**	**25**		**3.5**	**81.4**	
MW-26D	Zinc	01/22/2008	89	ug/L	1.0	10	1050			
MW-26S	Barium	01/22/2008	126	ug/L	0.20	100	2000			
MW-26S	Chromium	01/22/2008	12.2	ug/L	2.0	10	50			
MW-26S	Copper	01/22/2008	8.4	ug/L	0.60	10	1000			
MW-26S	Nickel	01/22/2008	6.9	ug/L	2.0	50	100			
MW-26S	**Vanadium**	**01/22/2008**	**8.2**	**ug/L**	**1.0**	**25**		**3.5**	**4.7**	
MW-26S	Zinc	01/22/2008	9.4	ug/L	1.0	10	1050			
SW-3	Acetone	01/22/2008	350	ug/L	0.90	100	700			
SW-3	Barium	01/22/2008	144	ug/L	0.20	100	2000			
SW-3	Chromium	01/22/2008	10.8	ug/L	2.0	10	50			
SW-3	Cobalt	01/22/2008	7.4	ug/L	2.0	10		70		
SW-3	Copper	01/22/2008	16.4	ug/L	0.60	10	1000			
SW-3	Lead	01/22/2008	4.8	ug/L	2.0	10	15			

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [4]	SWSL [2]	NCGW2L [3]	GWP[5]	Exceedance	Preliminary Cause
SW-3	Nickel	01/22/2008	8.6	ug/L	2.0	50	100			
SW-3	Thallium	01/22/2008	0.078	ug/L	0.036	5.5		0.28		
SW-3	**Vanadium**	**01/22/2008**	**19.2**	**ug/L**	**1.0**	**25**		**3.5**	**15.7**	
SW-3	Zinc	01/22/2008	125	ug/L	1.0	10	1050			
EB	Acetone	01/21/2008	15	ug/L	0.90	100	700			
EB	Chloroform	01/21/2008	14	ug/L	0.16	5	70			
FB	Acetone	01/21/2008	15	ug/L	0.90	100	700			
FB	Chloroform	01/21/2008	14	ug/L	0.16	5	70			

[1] Table contains all detections reported by laboratory

[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

Hydrologic Properties at Monitoring Well Locations

Iredell County C&D Landfill, Phases 1, 2, & 3

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth (ft)	Water Table Elev. (ft)
MW-1A	2.00E-04	20%	0.22	223	N76E	26.04	841.70
MW-1C	na	20%	0.00	na	N76E	26.05	840.20
MW-9R	2.00E-04	15%	0.09	124	N79E	14.38	792.81
MW-9RR	1.53E-04	15%	0.16	165	N79E	18.64	787.52
MW-10R	9.00E-05	15%	na	na	na	dry	dry
MW-16	4.65E-04	15%	0.05	161	N78E	11.51	782.63
MW-22	3.35E-05	16.08%	0.05	11	N67E	32.73	799.58
MW-23	1.18E-04	16.08%	0.05	40	N55E	13.36	810.98
MW-24S	2.63E-04	16.08%	0.03	58	S60E	10.36	808.98
MW-25	3.72E-04	9.70%	0.06	242	N88E	22.35	842.81
MW-26S	1.81E-04	4.50%	0.06	253	N89E	13.94	819.6

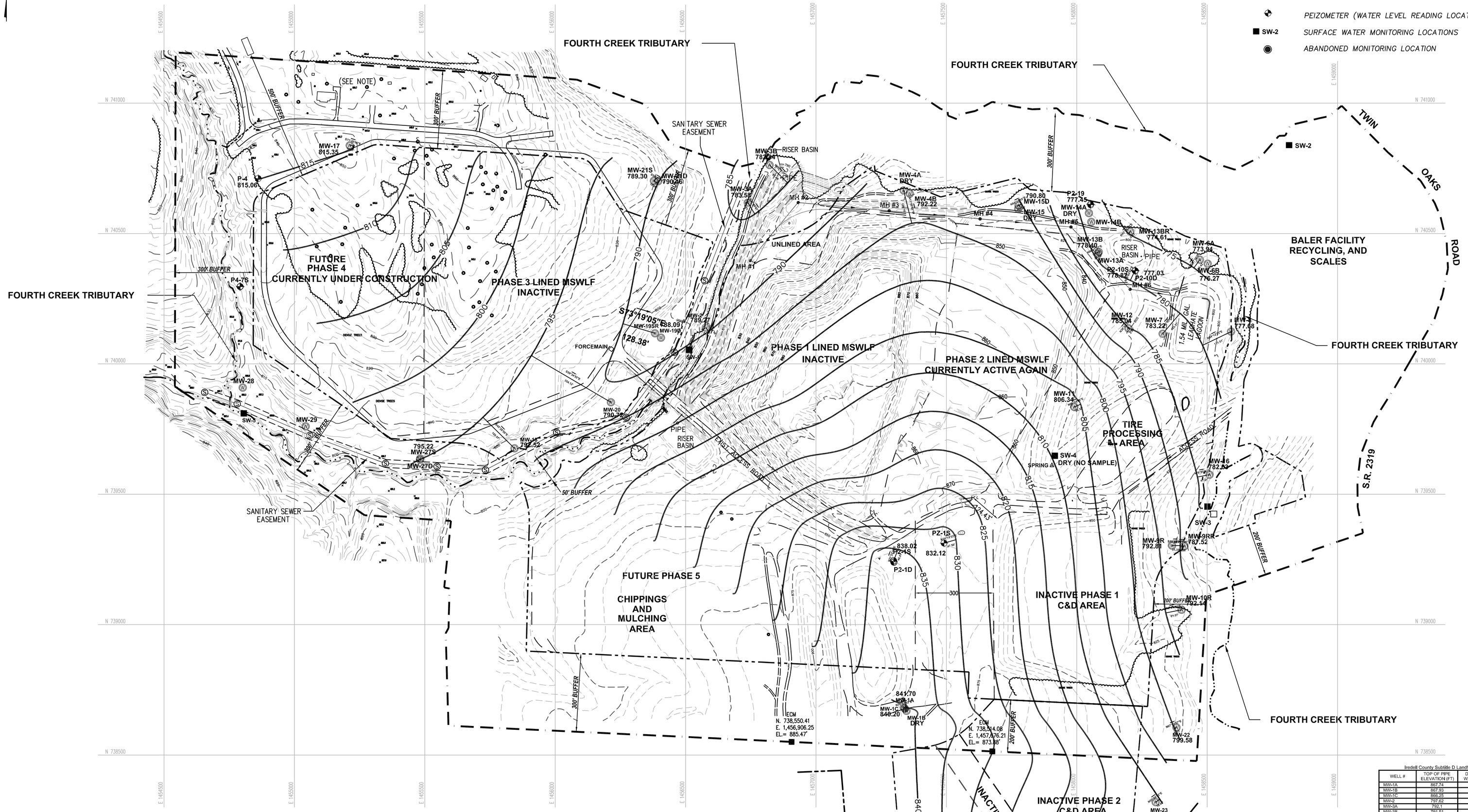
NOTE: MW-9 & MW-10 were replaced by MW-9R and MW-10R but the same values for hydraulic conductivity and effective porosity were used.
Values for hydraulic conductivity on all wells and piezometers determined via slug test by MESCO
Hydrologic Gradient taken from the January 22, 2008 sampling event.

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

NOTE:
EXISTING HOUSE USED AS TRANSPORTATION HUB

LEGEND

- SANITARY SEWER EASEMENT
- PHASE LIMITS
- CREEK
- 250 EXISTING CONTOURS
- PROPERTY LINE
- BUFFER ZONE
- PROPOSED SUBGRADE
- MONITORING WELL
- 782.71 SINGLE DAY WATER LEVEL READING
- EXTRAPOLATED SINGLE DAY WATER LEVEL READING
- PEIZOMETER (WATER LEVEL READING LOCATION)
- SW-2 SURFACE WATER MONITORING LOCATIONS
- ABANDONED MONITORING LOCATION



Iredell County Subtitle D Landfill January 21-24, 2008

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-1A	867.74	26.04	841.7
MW-1B	867.93	dry	dry
MW-1C	866.25	26.05	840.2
MW-2	797.62	8.35	789.27
MW-3A	792.1	9.52	783.58
MW-3B	791.51	7.77	783.74
MW-4A	822.7	dry	dry
MW-4B	825.41	33.19	792.22
MW-6A	793	19.06	773.94
MW-6B	798.87	22.6	776.27
MW-7	798.23	15.01	783.22
MW-8	797.4	19.72	777.68
MW-9R	807.19	14.38	792.81
MW-9RR	806.16	18.64	787.52
MW-10R	820.74	dry	dry
MW-11	821.46	15.12	806.34
MW-12	805.64	20.6	785.04
MW-13A	816.41	40.09	776.32
MW-13B	818.1	39.7	778.4
MW-13BR	811.31	36.7	774.61
MW-14A	818.98	dry	818.98
MW-14B	818.54	41.14	777.4
MW-15	838.59	dry	dry
MW-15D	837.64	46.84	790.8
MW-16	794.14	11.51	782.63
P2-10S	812.37	33.55	778.82
P2-10D	812.37	35.34	777.03
P2-1S	860.48	22.46	838.02
P2-19	814.3	36.85	777.45
MW-17	854.35	39	815.35
MW-18	800.72	8.2	792.52
MW-19SR	797.26	9.17	788.09
MW-19D	795.81	6.04	787.77
MW-20	795.93	5.21	790.72
MW-21S	823.93	34.67	789.3
MW-21D	822.76	37.5	785.26
MW-22	832.37	32.73	799.58
MW-23	824.34	13.36	810.98
MW-24S	819.34	10.36	808.98
MW-24D	819.13	9.84	809.29
MW-25	865.16	22.35	842.81
MW-26S	833.54	13.94	819.6
MW-26D	833.94	13.59	820.35
CG3-11M	834.35	14.18	820.17
P2-1S	873.42	41.3	832.12
P-6S	825.99	25.04	800.95
P-6D	826.05	24.81	801.24

Municipal Engineering Services Company, P.A.
P.O. BOX 349 BOONE, N.C. 28607 (704) 262-1767
P.O. BOX 97 GARNER, N.C. 27529 (919) 772-5393

MUNICIPAL SOLID WASTE LANDFILL FACILITY
IREDELL COUNTY NORTH CAROLINA

DATE	BY	REV.	DESCRIPTION
7/2/01	LCH	2	ADDED MONITORING WELL 21S/D
6/13/01	LCH	1	ADDED LEACHATE MONITORING POINT

SINGLE DAY POTENTIOMETRIC MAP (1/21/08)

SCALE: 1"=200'
DATE: 03/05/01
DRWN. BY: L. HAMPTON
CHKD. BY: K. YOSHIDA
PROJECT NUMBER G99087.6
DRAWING NO. MW1
SHEET NO. 1 OF 1

Sampling Data Sheet

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

Project: Iredell Co. C&D Landfill

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-9RR	1/22/08	8:25	18.64	I	PD	P&D Baler	Adjacent Basin caused ever seen	5.2	15.9	670	clear	22
MW-9R	1/22/08	9:00	14.38	I	5	P&D Baler		5.7	17.7	630	clear	20
MW-10R	NS	NS	DRY	I	1st 7		1st time ever Dry	—	—	—	—	25
MW-22	1/22/08	9:40	32.73	I	PD	P&D Baler		5.6	14.3	20	clear	37
MW-23	1/22/08	10:20	13.36	I	5	P&D Baler		5.8	14.5	10	clear	23
MW-24D	1/22/08	11:05	9.84	I	16	P&D Baler		5.8	14.6	80	clear	38
MW-24S	1/22/08	11:35	10.36	I	4	P&D Baler		5.2	13.9	60	clear	16
~~CB3-11M~~ CB-7M	NS	NS	9.63	—	—	—	—	—	—	—	—	22.5
SW-6	NS	NS	DRY	—	—	—	—	—	—	—	—	—
MW-26D	1/22/08	12:10	13.59	I	PD	P&D Baler	Bentonite Remnants	8.3	14.7	160	Opaque	61.76
MW-26S		12:30	13.94	I	PD	P&D Baler		5.0	14.6	40	clear	20.25
CB3-11M	NS	NS	14.18	—	—	—	—	—	—	—	—	—
MW-25	1/22/08	1:45	22.35	I	PD	P&D Baler		6.8	15.6	10	ST	24.93
MW-16	1/24/08	1:30	11.51	I	PD	P&D Baler	something able in well was to push it down	5.2	15.7	230	MT	20
SW-3	1/24/08	1:50	—	I	—	DP	Barely moving	6.0	10.6	120	clear	—

Comments

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

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

Sampling Data Sheet

Project: Iredell Co. ~~Sunville D LF Phase~~ Landfills (All Sites)

Samplers: J. Pfohl

Monitoring Point	Sample Date	Sample Time	Sampling Parameters					Water Quality Parameters				
			Depth to Water (BTOP) Static	Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Comments	pH	Temp.	Specific Cond.	Turbidity	Total Depth
EB	11/21/08	10:30	–	IVOAs	Foodlion	D. Baler						
FB		10:35	–	IVOAs	DI H_2O							
TB	ENCO Filled			IVOAs								

Comments

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

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

Laboratory Results

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

Tuesday, February 5, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G07013.0 (CD), Project Name/Desc: Iredell Co. C&D LF
ENCO Workorder: C717835

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, January 25, 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 47.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	MW-16 MS/MSD	Lab ID:	C717835-01	Sampled:	01/24/08 13:30	Received:	01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/22/08	01/28/08 07:28	1/31/2008 11:17
EPA 6020	07/22/08	01/28/08 07:34	2/4/2008 19:11
EPA 8260B	02/07/08	01/31/08 10:36	1/31/2008 13:43

Client ID:	MW- 9 RR	Lab ID:	C717835-02	Sampled:	01/22/08 08:25	Received:	01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 11:54
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:19
EPA 8260B	02/05/08	01/30/08 10:10	1/31/2008 04:44

Client ID:	MW- 9 R	Lab ID:	C717835-03	Sampled:	01/22/08 09:00	Received:	01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 12:01
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:22
EPA 8260B	02/05/08	01/30/08 10:10	1/31/2008 05:13

Client ID:	MW- 22	Lab ID:	C717835-04	Sampled:	01/22/08 09:40	Received:	01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 12:08
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:30
EPA 8260B	02/05/08	01/30/08 10:10	1/31/2008 05:42

Client ID:	MW- 23	Lab ID:	C717835-05	Sampled:	01/22/08 10:20	Received:	01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 12:15
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:33
EPA 8260B	02/05/08	01/30/08 10:10	1/31/2008 06:12

Client ID:	MW- 24 D	Lab ID:	C717835-06	Sampled:	01/22/08 11:05	Received:	01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 12:38
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:36
EPA 8260B	02/05/08	01/30/08 10:10	1/31/2008 06:41

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Client ID: MW- 24 S	Lab ID: C717835-07	Sampled: 01/22/08 11:35	Received: 01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 12:45
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:38
EPA 8260B	02/05/08	01/30/08 10:10	1/31/2008 07:10

Client ID: MW- 26 D	Lab ID: C717835-08	Sampled: 01/22/08 12:10	Received: 01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 12:52
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:41
EPA 8260B	02/05/08	01/30/08 10:10	1/31/2008 07:39

Client ID: MW- 26 S	Lab ID: C717835-09	Sampled: 01/22/08 12:30	Received: 01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 13:10
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:44
EPA 8260B	02/05/08	01/31/08 10:36	1/31/2008 14:12

Client ID: MW- 25	Lab ID: C717835-10	Sampled: 01/22/08 13:45	Received: 01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 13:17
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:47
EPA 8260B	02/05/08	01/31/08 10:36	1/31/2008 14:41

Client ID: SW - 3	Lab ID: C717835-11	Sampled: 01/22/08 13:50	Received: 01/25/08 17:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/20/08	01/28/08 07:28	1/31/2008 13:24
EPA 6020	07/20/08	01/28/08 07:34	2/4/2008 19:49
EPA 8260B	02/05/08	01/31/08 10:36	1/31/2008 15:10

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: MW-16 MS/MSD **Lab ID:** C717835-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.57	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Arsenic	7.6	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	604		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.73	J	1	0.12	1.0	1	ug/L	EPA 8260B	
Beryllium	2.80		1	0.70	1.00	1	ug/L	EPA 6010B	
Chromium	24.5		1	2.0	10.0	10	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	2.8	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	13.4		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	34.7		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	32.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	18.1	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.085	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Trichloroethene	0.91	J	1	0.23	1.0	1	ug/L	EPA 8260B	
Vanadium	106		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	151		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 9 RR **Lab ID:** C717835-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	153		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.93	J	1	0.12	1.0	1	ug/L	EPA 8260B	
Cadmium	0.80	J	1	0.50	1.00	1	ug/L	EPA 6010B	
Chromium	28.0		1	2.0	10.0	10	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	7.7		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	3.3	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	8.20	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Nickel	23.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.224	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Trichloroethene	0.52	J	1	0.23	1.0	1	ug/L	EPA 8260B	
Vanadium	16.8	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	26.0		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 9 R **Lab ID:** C717835-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	362		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.77	J	1	0.12	1.0	1	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	9.6		1	0.14	1.0	5	ug/L	EPA 8260B	
Cobalt	18.9		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	2.5	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.254	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Trichloroethene	1.0		1	0.23	1.0	1	ug/L	EPA 8260B	
Zinc	2.7	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 22 **Lab ID:** C717835-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	125		1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	22.3		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	3.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Nickel	9.7	J	1	2.0	10.0	50	ug/L	EPA 6010B	

Client ID: MW- 22 **Lab ID:** C717835-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Selenium	2.2	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.043	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	2.9	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	16.1		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 23 **Lab ID:** C717835-05

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	238		1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	5.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	2.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Nickel	5.8	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Vanadium	8.0	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	9.4	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 24 D **Lab ID:** C717835-06

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	44.3	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	18.9		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	3.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	23.9		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	8.7	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Selenium	3.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.049	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	32.3		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	33.3		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 24 S **Lab ID:** C717835-07

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	2.6	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	118		1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	8.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	3.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	14.2		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	2.2	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	7.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Vanadium	18.9	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	35.0		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 26 D **Lab ID:** C717835-08

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	3.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	252		1	0.20	10.0	100	ug/L	EPA 6010B	
Cadmium	1.60		1	0.50	1.00	1	ug/L	EPA 6010B	
Chromium	49.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	17.0		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	63.4		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	8.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	28.7	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Silver	2.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.078	J	1	0.036	1.00	5.5	ug/L	EPA 6020	

Client ID: MW- 26 D **Lab ID:** C717835-08

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Vanadium	84.9		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	89.0		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 26 S **Lab ID:** C717835-09

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	126		1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	12.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	8.40	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Nickel	6.9	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Vanadium	8.2	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	9.4	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: MW- 25 **Lab ID:** C717835-10

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic	7.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Barium	592		1	0.20	10.0	100	ug/L	EPA 6010B	
Beryllium	3.30		1	0.70	1.00	1	ug/L	EPA 6010B	
Chromium	31.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	21.9		1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	69.4		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	19.7		1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	20.7	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.277	J	1	0.036	1.00	5.5	ug/L	EPA 6020	
Vanadium	126		1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	233		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: SW - 3 **Lab ID:** C717835-11

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	350		1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	144		1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	10.8		1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	7.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	16.4		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	4.8	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	8.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.078	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	125		1	1.0	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-01
Sampled: 01/24/08 13:30
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	01/31/08 13:43	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/31/08 13:43	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	01/31/08 13:43	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 13:43	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	01/31/08 13:43	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	01/31/08 13:43	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
1,4-Dichlorobenzene [106-46-7] *	**0.57**	J	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	01/31/08 13:43	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	01/31/08 13:43	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	01/31/08 13:43	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	01/31/08 13:43	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	01/31/08 13:43	jkg	
Benzene [71-43-2] *	**0.73**	J	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	01/31/08 13:43	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	01/31/08 13:43	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	01/31/08 13:43	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	01/31/08 13:43	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	01/31/08 13:43	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	01/31/08 13:43	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	01/31/08 13:43	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**2.8**	J	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 13:43	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	01/31/08 13:43	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	01/31/08 13:43	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	01/31/08 13:43	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	01/31/08 13:43	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	01/31/08 13:43	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	01/31/08 13:43	jkg	
Trichloroethene [79-01-6] *	**0.91**	J	ug/L	1	0.23	1.0	1	EPA 8260B	01/31/08 13:43	jkg	

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Description:	MW-16 MS/MSD	**Lab Sample ID:**	C717835-01	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/24/08 13:30	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	01/31/08 13:43	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 13:43	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 13:43	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*69-120*	*8A31015*	*EPA 8260B*	*01/31/08 13:43*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*79 %*	*61-120*	*8A31015*	*EPA 8260B*	*01/31/08 13:43*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*75-99*	*8A31015*	*EPA 8260B*	*01/31/08 13:43*	*jkg*	

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Description: MW-16 MS/MSD
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-01
Sampled: 01/24/08 13:30
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:11	JDH	
Arsenic [7440-38-2] *	**7.6**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:17	VLO	
Barium [7440-39-3] *	**604**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 11:17	VLO	
Beryllium [7440-41-7] *	**2.80**		ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 11:17	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 11:17	VLO	
Chromium [7440-47-3] *	**24.5**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:17	VLO	
Cobalt [7440-48-4] *	**13.4**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:17	VLO	
Copper [7440-50-8] *	**34.7**		ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 11:17	VLO	
Lead [7439-92-1] *	**32.3**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:17	VLO	
Nickel [7440-02-0] *	**18.1**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 11:17	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:17	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:17	VLO	
Thallium [7440-28-0] *	**0.085**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:11	JDH	
Vanadium [7440-62-2] *	**106**		ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 11:17	VLO	
Zinc [7440-66-6] *	**151**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 11:17	VLO	

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Description: MW- 9 RR
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-02
Sampled: 01/22/08 08:25
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	01/31/08 04:44	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/31/08 04:44	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	01/31/08 04:44	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 04:44	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	01/31/08 04:44	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	01/31/08 04:44	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	01/31/08 04:44	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	01/31/08 04:44	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	01/31/08 04:44	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	01/31/08 04:44	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	01/31/08 04:44	jkg	
Benzene [71-43-2] *	**0.93**	J	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	01/31/08 04:44	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	01/31/08 04:44	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	01/31/08 04:44	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	01/31/08 04:44	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	01/31/08 04:44	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	01/31/08 04:44	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	01/31/08 04:44	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**7.7**		ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 04:44	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	01/31/08 04:44	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	01/31/08 04:44	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	01/31/08 04:44	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	01/31/08 04:44	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	01/31/08 04:44	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	01/31/08 04:44	jkg	
Trichloroethene [79-01-6] *	**0.52**	J	ug/L	1	0.23	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 04:44	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	01/31/08 04:44	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 04:44	jkg	

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Description:	MW- 9 RR	**Lab Sample ID:**	C717835-02	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 08:25	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 04:44	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*69-120*	*8A30011*	*EPA 8260B*	*01/31/08 04:44*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*61-120*	*8A30011*	*EPA 8260B*	*01/31/08 04:44*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*81 %*	*75-99*	*8A30011*	*EPA 8260B*	*01/31/08 04:44*	*jkg*	

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Description: MW- 9 RR
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-02
Sampled: 01/22/08 08:25
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:19	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:54	VLO	
Barium [7440-39-3] *	**153**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 11:54	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 11:54	VLO	
Cadmium [7440-43-9] *	**0.80**	J	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 11:54	VLO	
Chromium [7440-47-3] *	**28.0**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:54	VLO	
Cobalt [7440-48-4] *	**3.3**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:54	VLO	
Copper [7440-50-8] *	**8.20**	J	ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 11:54	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:54	VLO	
Nickel [7440-02-0] *	**23.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 11:54	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:54	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 11:54	VLO	
Thallium [7440-28-0] *	**0.224**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:19	JDH	
Vanadium [7440-62-2] *	**16.8**	J	ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 11:54	VLO	
Zinc [7440-66-6] *	**26.0**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 11:54	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- 9 R
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-03
Sampled: 01/22/08 09:00
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	01/31/08 05:13	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/31/08 05:13	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	01/31/08 05:13	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 05:13	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	01/31/08 05:13	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	01/31/08 05:13	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	01/31/08 05:13	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	01/31/08 05:13	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	01/31/08 05:13	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	01/31/08 05:13	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	01/31/08 05:13	jkg	
Benzene [71-43-2] *	**0.77**	J	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	01/31/08 05:13	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	01/31/08 05:13	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	01/31/08 05:13	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	01/31/08 05:13	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	01/31/08 05:13	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	01/31/08 05:13	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	01/31/08 05:13	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**9.6**		ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 05:13	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	01/31/08 05:13	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	01/31/08 05:13	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	01/31/08 05:13	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	01/31/08 05:13	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	01/31/08 05:13	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	01/31/08 05:13	jkg	
Trichloroethene [79-01-6] *	**1.0**		ug/L	1	0.23	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 05:13	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	01/31/08 05:13	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 05:13	jkg	

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Description:	MW- 9 R	**Lab Sample ID:**	C717835-03	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 09:00	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 05:13	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*69-120*	*8A30011*	*EPA 8260B*	*01/31/08 05:13*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*61-120*	*8A30011*	*EPA 8260B*	*01/31/08 05:13*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*75-99*	*8A30011*	*EPA 8260B*	*01/31/08 05:13*	*jkg*	

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Description: MW- 9 R
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-03
Sampled: 01/22/08 09:00
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:22	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:01	VLO	
Barium [7440-39-3] *	**362**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 12:01	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 12:01	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 12:01	VLO	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:01	VLO	
Cobalt [7440-48-4] *	**18.9**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:01	VLO	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 12:01	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:01	VLO	
Nickel [7440-02-0] *	**2.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 12:01	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:01	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:01	VLO	
Thallium [7440-28-0] *	**0.254**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:22	JDH	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 12:01	VLO	
Zinc [7440-66-6] *	**2.7**	J	ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 12:01	VLO	

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

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Description: MW- 22
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-04
Sampled: 01/22/08 09:40
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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

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Description:	MW- 22	**Lab Sample ID:**	C717835-04	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 09:40	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 05:42	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*69-120*	*8A30011*	*EPA 8260B*	*01/31/08 05:42*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*61-120*	*8A30011*	*EPA 8260B*	*01/31/08 05:42*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*79 %*	*75-99*	*8A30011*	*EPA 8260B*	*01/31/08 05:42*	*jkg*	

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Description: MW- 22
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-04
Sampled: 01/22/08 09:40
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:30	JDH	
Arsenic [7440-38-2] *	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:08	VLO	
Barium [7440-39-3] *	**125**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 12:08	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 12:08	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 12:08	VLO	
Chromium [7440-47-3] *	**22.3**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:08	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:08	VLO	
Copper [7440-50-8] *	**3.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 12:08	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:08	VLO	
Nickel [7440-02-0] *	**9.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 12:08	VLO	
Selenium [7782-49-2] *	**2.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:08	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:08	VLO	
Thallium [7440-28-0] *	**0.043**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:30	JDH	
Vanadium [7440-62-2] *	**2.9**	J	ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 12:08	VLO	
Zinc [7440-66-6] *	**16.1**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 12:08	VLO	

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

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Description: MW- 23
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-05
Sampled: 01/22/08 10:20
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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

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Description:	MW- 23	**Lab Sample ID:**	C717835-05	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 10:20	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 06:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*69-120*	*8A30011*	*EPA 8260B*	*01/31/08 06:12*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*61-120*	*8A30011*	*EPA 8260B*	*01/31/08 06:12*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*81 %*	*75-99*	*8A30011*	*EPA 8260B*	*01/31/08 06:12*	*jkg*	

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Description: MW- 23
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-05
Sampled: 01/22/08 10:20
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:33	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:15	VLO	
Barium [7440-39-3] *	**238**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 12:15	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 12:15	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 12:15	VLO	
Chromium [7440-47-3] *	**5.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:15	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:15	VLO	
Copper [7440-50-8] *	**2.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 12:15	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:15	VLO	
Nickel [7440-02-0] *	**5.8**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 12:15	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:15	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:15	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:33	JDH	
Vanadium [7440-62-2] *	**8.0**	J	ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 12:15	VLO	
Zinc [7440-66-6] *	**9.4**	J	ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 12:15	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- 24 D
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-06
Sampled: 01/22/08 11:05
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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

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Description:	MW- 24 D	**Lab Sample ID:**	C717835-06	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 11:05	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 06:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*69-120*	*8A30011*	*EPA 8260B*	*01/31/08 06:41*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*61-120*	*8A30011*	*EPA 8260B*	*01/31/08 06:41*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*75-99*	*8A30011*	*EPA 8260B*	*01/31/08 06:41*	*jkg*	

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Description: MW- 24 D
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-06
Sampled: 01/22/08 11:05
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:36	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:38	VLO	
Barium [7440-39-3] *	**44.3**	J	ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 12:38	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 12:38	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 12:38	VLO	
Chromium [7440-47-3] *	**18.9**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:38	VLO	
Cobalt [7440-48-4] *	**3.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:38	VLO	
Copper [7440-50-8] *	**23.9**		ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 12:38	VLO	
Lead [7439-92-1] *	**2.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:38	VLO	
Nickel [7440-02-0] *	**8.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 12:38	VLO	
Selenium [7782-49-2] *	**3.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:38	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:38	VLO	
Thallium [7440-28-0] *	**0.049**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:36	JDH	
Vanadium [7440-62-2] *	**32.3**		ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 12:38	VLO	
Zinc [7440-66-6] *	**33.3**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 12:38	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- 24 S
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-07
Sampled: 01/22/08 11:35
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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

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Description:	MW- 24 S	**Lab Sample ID:**	C717835-07	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 11:35	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 07:10	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*69-120*	*8A30011*	*EPA 8260B*	*01/31/08 07:10*	*jkg*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*61-120*	*8A30011*	*EPA 8260B*	*01/31/08 07:10*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*75-99*	*8A30011*	*EPA 8260B*	*01/31/08 07:10*	*jkg*	

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Description: MW- 24 S
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-07
Sampled: 01/22/08 11:35
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:38	JDH	
Arsenic [7440-38-2] *	**2.6**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:45	VLO	
Barium [7440-39-3] *	**118**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 12:45	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 12:45	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 12:45	VLO	
Chromium [7440-47-3] *	**8.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:45	VLO	
Cobalt [7440-48-4] *	**3.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:45	VLO	
Copper [7440-50-8] *	**14.2**		ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 12:45	VLO	
Lead [7439-92-1] *	**2.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:45	VLO	
Nickel [7440-02-0] *	**7.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 12:45	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:45	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:45	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:38	JDH	
Vanadium [7440-62-2] *	**18.9**	J	ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 12:45	VLO	
Zinc [7440-66-6] *	**35.0**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 12:45	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- 26 D
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-08
Sampled: 01/22/08 12:10
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	01/31/08 07:39	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/31/08 07:39	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	01/31/08 07:39	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 07:39	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	01/31/08 07:39	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	01/31/08 07:39	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	01/31/08 07:39	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	01/31/08 07:39	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	01/31/08 07:39	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	01/31/08 07:39	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	01/31/08 07:39	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	01/31/08 07:39	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	01/31/08 07:39	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	01/31/08 07:39	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	01/31/08 07:39	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	01/31/08 07:39	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	01/31/08 07:39	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	01/31/08 07:39	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 07:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	01/31/08 07:39	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	01/31/08 07:39	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	01/31/08 07:39	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	01/31/08 07:39	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	01/31/08 07:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	01/31/08 07:39	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 07:39	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	01/31/08 07:39	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 07:39	jkg	

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Description:	MW- 26 D	**Lab Sample ID:**	C717835-08	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 12:10	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 07:39	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*69-120*	*8A30011*	*EPA 8260B*	*01/31/08 07:39*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*61-120*	*8A30011*	*EPA 8260B*	*01/31/08 07:39*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*75-99*	*8A30011*	*EPA 8260B*	*01/31/08 07:39*	*jkg*	

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Description: MW- 26 D
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-08
Sampled: 01/22/08 12:10
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:41	JDH	
Arsenic [7440-38-2] *	**3.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:52	VLO	
Barium [7440-39-3] *	**252**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 12:52	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 12:52	VLO	
Cadmium [7440-43-9] *	**1.60**		ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 12:52	VLO	
Chromium [7440-47-3] *	**49.2**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:52	VLO	
Cobalt [7440-48-4] *	**17.0**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:52	VLO	
Copper [7440-50-8] *	**63.4**		ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 12:52	VLO	
Lead [7439-92-1] *	**8.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:52	VLO	
Nickel [7440-02-0] *	**28.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 12:52	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:52	VLO	
Silver [7440-22-4] *	**2.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 12:52	VLO	
Thallium [7440-28-0] *	**0.078**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:41	JDH	
Vanadium [7440-62-2] *	**84.9**		ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 12:52	VLO	
Zinc [7440-66-6] *	**89.0**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 12:52	VLO	

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

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Description: MW- 26 S
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-09
Sampled: 01/22/08 12:30
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	01/31/08 14:12	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/31/08 14:12	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	01/31/08 14:12	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 14:12	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	01/31/08 14:12	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	01/31/08 14:12	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	01/31/08 14:12	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	01/31/08 14:12	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	01/31/08 14:12	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	01/31/08 14:12	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	01/31/08 14:12	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	01/31/08 14:12	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	01/31/08 14:12	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	01/31/08 14:12	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	01/31/08 14:12	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	01/31/08 14:12	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	01/31/08 14:12	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	01/31/08 14:12	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 14:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	01/31/08 14:12	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	01/31/08 14:12	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	01/31/08 14:12	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	01/31/08 14:12	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	01/31/08 14:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	01/31/08 14:12	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 14:12	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	01/31/08 14:12	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 14:12	jkg	

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Description:	MW- 26 S	**Lab Sample ID:**	C717835-09	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 12:30	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 14:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*69-120*	*8A31015*	*EPA 8260B*	*01/31/08 14:12*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*61-120*	*8A31015*	*EPA 8260B*	*01/31/08 14:12*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*75-99*	*8A31015*	*EPA 8260B*	*01/31/08 14:12*	*jkg*	

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Description: MW- 26 S
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-09
Sampled: 01/22/08 12:30
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:44	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:10	VLO	
Barium [7440-39-3] *	**126**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 13:10	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 13:10	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 13:10	VLO	
Chromium [7440-47-3] *	**12.2**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:10	VLO	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:10	VLO	
Copper [7440-50-8] *	**8.40**	J	ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 13:10	VLO	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:10	VLO	
Nickel [7440-02-0] *	**6.9**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 13:10	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:10	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:10	VLO	
Thallium [7440-28-0] *	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:44	JDH	
Vanadium [7440-62-2] *	**8.2**	J	ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 13:10	VLO	
Zinc [7440-66-6] *	**9.4**	J	ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 13:10	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- 25
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-10
Sampled: 01/22/08 13:45
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	01/31/08 14:41	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/31/08 14:41	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	01/31/08 14:41	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 14:41	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	01/31/08 14:41	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	01/31/08 14:41	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	01/31/08 14:41	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	01/31/08 14:41	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	01/31/08 14:41	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	01/31/08 14:41	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	01/31/08 14:41	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	01/31/08 14:41	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	01/31/08 14:41	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	01/31/08 14:41	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	01/31/08 14:41	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	01/31/08 14:41	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	01/31/08 14:41	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	01/31/08 14:41	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 14:41	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	01/31/08 14:41	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	01/31/08 14:41	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	01/31/08 14:41	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	01/31/08 14:41	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	01/31/08 14:41	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	01/31/08 14:41	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 14:41	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	01/31/08 14:41	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 14:41	jkg	

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Description:	MW- 25	**Lab Sample ID:**	C717835-10	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 13:45	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 14:41	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*69-120*	*8A31015*	*EPA 8260B*	*01/31/08 14:41*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*61-120*	*8A31015*	*EPA 8260B*	*01/31/08 14:41*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*80 %*	*75-99*	*8A31015*	*EPA 8260B*	*01/31/08 14:41*	*jkg*	

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Description: MW- 25
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-10
Sampled: 01/22/08 13:45
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:47	JDH	
Arsenic [7440-38-2] *	**7.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:17	VLO	
Barium [7440-39-3] *	**592**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 13:17	VLO	
Beryllium [7440-41-7] *	**3.30**		ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 13:17	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 13:17	VLO	
Chromium [7440-47-3] *	**31.2**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:17	VLO	
Cobalt [7440-48-4] *	**21.9**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:17	VLO	
Copper [7440-50-8] *	**69.4**		ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 13:17	VLO	
Lead [7439-92-1] *	**19.7**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:17	VLO	
Nickel [7440-02-0] *	**20.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 13:17	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:17	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:17	VLO	
Thallium [7440-28-0] *	**0.277**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:47	JDH	
Vanadium [7440-62-2] *	**126**		ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 13:17	VLO	
Zinc [7440-66-6] *	**233**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 13:17	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 - 3
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-11
Sampled: 01/22/08 13:50
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	01/31/08 15:10	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/31/08 15:10	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	01/31/08 15:10	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 15:10	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	01/31/08 15:10	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	01/31/08 15:10	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	01/31/08 15:10	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	01/31/08 15:10	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	01/31/08 15:10	jkg	
Acetone [67-64-1] *	**350**		ug/L	1	0.90	5.0	100	EPA 8260B	01/31/08 15:10	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	01/31/08 15:10	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	01/31/08 15:10	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	01/31/08 15:10	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	01/31/08 15:10	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	01/31/08 15:10	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	01/31/08 15:10	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	01/31/08 15:10	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	01/31/08 15:10	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	01/31/08 15:10	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	01/31/08 15:10	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	01/31/08 15:10	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	01/31/08 15:10	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	01/31/08 15:10	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	01/31/08 15:10	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	01/31/08 15:10	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	01/31/08 15:10	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	01/31/08 15:10	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	01/31/08 15:10	jkg	

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Description:	SW - 3	**Lab Sample ID:**	C717835-11	**Received:**	01/25/08 17:40
Matrix:	Ground Water	**Sampled:**	01/22/08 13:50	**Work Order:**	C717835
Project:	Iredell Co. C&D LF	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	01/31/08 15:10	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*69-120*	*8A31015*	*EPA 8260B*	*01/31/08 15:10*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*61-120*	*8A31015*	*EPA 8260B*	*01/31/08 15:10*	*jkg*	
Toluene-d8	*40*	*1*	*50.0*	*81 %*	*75-99*	*8A31015*	*EPA 8260B*	*01/31/08 15:10*	*jkg*	

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Description: SW - 3
Matrix: Ground Water
Project: Iredell Co. C&D LF

Lab Sample ID: C717835-11
Sampled: 01/22/08 13:50
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:40
Work Order: C717835

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	02/04/08 19:49	JDH	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:24	VLO	
Barium [7440-39-3] *	**144**		ug/L	1	0.20	10.0	100	EPA 6010B	01/31/08 13:24	VLO	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	01/31/08 13:24	VLO	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	01/31/08 13:24	VLO	
Chromium [7440-47-3] *	**10.8**		ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:24	VLO	
Cobalt [7440-48-4] *	**7.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:24	VLO	
Copper [7440-50-8] *	**16.4**		ug/L	1	0.60	10.0	10	EPA 6010B	01/31/08 13:24	VLO	
Lead [7439-92-1] *	**4.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:24	VLO	
Nickel [7440-02-0] *	**8.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	01/31/08 13:24	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:24	VLO	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	01/31/08 13:24	VLO	
Thallium [7440-28-0] *	**0.078**	J	ug/L	1	0.036	1.00	5.5	EPA 6020	02/04/08 19:49	JDH	
Vanadium [7440-62-2] *	**19.2**	J	ug/L	1	1.0	10.0	25	EPA 6010B	01/31/08 13:24	VLO	
Zinc [7440-66-6] *	**125**		ug/L	1	1.0	10.0	10	EPA 6010B	01/31/08 13:24	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 8A30011 - EPA 5030B_MS

Blank (8A30011-BLK1) Prepared: 01/30/2008 10:10 Analyzed: 01/30/2008 21:56

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	*41*			*ug/L*	*50.0*		*82*	*61-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8A30011 - EPA 5030B_MS

Blank (8A30011-BLK1) Continued Prepared: 01/30/2008 10:10 Analyzed: 01/30/2008 21:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*83*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*89*	*69-120*			

LCS (8A30011-BS1) Prepared: 01/30/2008 10:10 Analyzed: 01/30/2008 22:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0		83	71-121			
Benzene	18		1.0	ug/L	20.0		92	77-128			
Trichloroethene	17		1.0	ug/L	20.0		86	79-120			
Toluene	17		1.0	ug/L	20.0		83	77-120			
Chlorobenzene	17		1.0	ug/L	20.0		87	78-120			

Matrix Spike (8A30011-MS1) Prepared: 01/30/2008 10:10 Analyzed: 01/30/2008 22:54

Source: C800814-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.14 U	84	71-121			
Benzene	20		1.0	ug/L	20.0	0.12 U	101	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	86	77-120			
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	90	78-120			

Matrix Spike Dup (8A30011-MSD1) Prepared: 01/30/2008 10:10 Analyzed: 01/30/2008 23:23

Source: C800814-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0	0.14 U	80	71-121	5	27	
Benzene	20		1.0	ug/L	20.0	0.12 U	98	77-128	2	27	
Trichloroethene	17		1.0	ug/L	20.0	0.23 U	87	79-120	3	27	
Toluene	17		1.0	ug/L	20.0	0.15 U	86	77-120	0.4	23	
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	91	78-120	0.9	25	

Batch 8A31015 - EPA 5030B_MS

Blank (8A31015-BLK1) Prepared: 01/31/2008 10:36 Analyzed: 01/31/2008 11:17

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 8A31015 - EPA 5030B_MS

Blank (8A31015-BLK1) Continued Prepared: 01/31/2008 10:36 Analyzed: 01/31/2008 11:17

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	*42*			*ug/L*	*50.0*		*83*	*61-120*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*69-120*			

LCS (8A31015-BS1) Prepared: 01/31/2008 10:36 Analyzed: 01/31/2008 11:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		79	71-121			
Benzene	19		1.0	ug/L	20.0		95	77-128			
Trichloroethene	17		1.0	ug/L	20.0		84	79-120			
Toluene	16		1.0	ug/L	20.0		81	77-120			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8A31015 - EPA 5030B_MS

LCS (8A31015-BS1) Continued Prepared: 01/31/2008 10:36 Analyzed: 01/31/2008 11:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	17		1.0	ug/L	20.0		86	78-120			

Matrix Spike (8A31015-MS1) Prepared: 01/31/2008 10:36 Analyzed: 01/31/2008 12:15

Source: C717835-01

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	99	71-121			
Benzene	22		1.0	ug/L	20.0	0.73	108	77-128			
Trichloroethene	21		1.0	ug/L	20.0	0.91	102	79-120			
Toluene	19		1.0	ug/L	20.0	0.15 U	96	77-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	100	78-120			

Matrix Spike Dup (8A31015-MSD1) Prepared: 01/31/2008 10:36 Analyzed: 01/31/2008 12:44

Source: C717835-01

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	0.8	27	
Benzene	22		1.0	ug/L	20.0	0.73	108	77-128	0.09	27	
Trichloroethene	21		1.0	ug/L	20.0	0.91	100	79-120	1	27	
Toluene	19		1.0	ug/L	20.0	0.15 U	96	77-120	0.4	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	100	78-120	0.3	25	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8A28003 - EPA 3005A

Blank (8A28003-BLK1) Prepared: 01/28/2008 07:28 Analyzed: 01/31/2008 10:50

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**	**J**	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 (8A28003-BS1) Prepared: 01/28/2008 07:28 Analyzed: 01/31/2008 11:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	514		10.0	ug/L	500		103	82-117			
Barium	522	B	10.0	ug/L	500		104	72-125			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8A28003 - EPA 3005A

LCS (8A28003-BS1) Continued Prepared: 01/28/2008 07:28 Analyzed: 01/31/2008 11:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	258		1.00	ug/L	250		103	75-121			
Cadmium	257		1.00	ug/L	250		103	72-120			
Chromium	518		10.0	ug/L	500		104	78-119			
Cobalt	499		10.0	ug/L	500		100	76-117			
Copper	257		10.0	ug/L	250		103	80-117			
Lead	505		10.0	ug/L	500		101	72-121			
Nickel	517		10.0	ug/L	500		103	78-116			
Selenium	542		10.0	ug/L	500		108	82-127			
Silver	47.5		10.0	ug/L	50.0		95	80-128			
Vanadium	244		10.0	ug/L	250		98	78-117			
Zinc	503		10.0	ug/L	500		101	80-120			

Matrix Spike (8A28003-MS1) Prepared: 01/28/2008 07:28 Analyzed: 01/31/2008 11:38

Source: C717835-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	491		10.0	ug/L	500	7.6	97	64-126			
Barium	1090	B	10.0	ug/L	500	604	97	74-119			
Beryllium	255		1.00	ug/L	250	2.80	101	70-131			
Cadmium	249		1.00	ug/L	250	0.50 U	99	68-121			
Chromium	508		10.0	ug/L	500	24.5	97	73-120			
Cobalt	500		10.0	ug/L	500	13.4	97	76-120			
Copper	289		10.0	ug/L	250	34.7	102	75-123			
Lead	523		10.0	ug/L	500	32.3	98	68-126			
Nickel	515		10.0	ug/L	500	18.1	99	64-126			
Selenium	516		10.0	ug/L	500	2.0 U	103	65-129			
Silver	42.7		10.0	ug/L	50.0	2.0 U	85	69-121			
Vanadium	345		10.0	ug/L	250	106	96	71-130			
Zinc	653		10.0	ug/L	500	151	100	63-131			

Matrix Spike Dup (8A28003-MSD1) Prepared: 01/28/2008 07:28 Analyzed: 01/31/2008 11:45

Source: C717835-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	501		10.0	ug/L	500	7.6	99	64-126	2	12	
Barium	1120	B	10.0	ug/L	500	604	103	74-119	3	11	
Beryllium	260		1.00	ug/L	250	2.80	103	70-131	2	21	
Cadmium	253		1.00	ug/L	250	0.50 U	101	68-121	2	12	
Chromium	515		10.0	ug/L	500	24.5	98	73-120	1	10	
Cobalt	509		10.0	ug/L	500	13.4	99	76-120	2	17	
Copper	296		10.0	ug/L	250	34.7	104	75-123	2	16	
Lead	531		10.0	ug/L	500	32.3	100	68-126	2	19	
Nickel	521		10.0	ug/L	500	18.1	101	64-126	1	12	
Selenium	525		10.0	ug/L	500	2.0 U	105	65-129	2	10	
Silver	42.9		10.0	ug/L	50.0	2.0 U	86	69-121	0.5	12	
Vanadium	350		10.0	ug/L	250	106	98	71-130	2	16	
Zinc	640		10.0	ug/L	500	151	98	63-131	2	24	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8A28003 - EPA 3005A

Batch 8A28004 - EPA 3005A

Blank (8A28004-BLK1) Prepared: 01/28/2008 07:34 Analyzed: 02/04/2008 19:05

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 (8A28004-BS1) Prepared: 01/28/2008 07:34 Analyzed: 02/04/2008 19:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.1		2.00	ug/L	25.0		100	85-115			
Thallium	25.0		1.00	ug/L	25.0		100	85-115			

Matrix Spike (8A28004-MS1) Prepared: 01/28/2008 07:34 Analyzed: 02/04/2008 19:13

Source: C717835-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	13.4		2.00	ug/L	25.0	0.68 U	53	85-115			QM-07
Thallium	21.8		1.00	ug/L	25.0	0.085	87	85-115			

Matrix Spike Dup (8A28004-MSD1) Prepared: 01/28/2008 07:34 Analyzed: 02/04/2008 19:16

Source: C717835-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	13.8		2.00	ug/L	25.0	0.68 U	55	85-115	3	20	QM-07
Thallium	23.0		1.00	ug/L	25.0	0.085	92	85-115	5	20	

FLAGS/NOTES AND DEFINITIONS

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Page 1 of 1 JAF

Client Name: Municipal Engineering Services (MU001)	Project Number: G07013.0 (CD)
Address: P.O. Box 97	Project Name/Desc: Iredell Co. C&D LF
City/ST/Zip: Garner, NC 27529	PO # / Billing Info:
Tel: (919) 772-5393 / Fax: (919) 772-1176	Reporting Contact: Jonathan Pfohl
Sampler(s) Name, Affiliation (Print): Jonathan Pfohl, MESCO	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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

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

Lab Workorder: C717835

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Sample Comments
	MW-16 MS/MSD	1/24/08	1:30	Grab	Water	7	X	X	
	MW-9RR	1/22/08	8:35		Water	4	X	X	
	MW-9R		9:00		Water	4	X	X	
	MW-22		9:40		Water	4	X	X	
	MW-23		10:30		Water	4	X	X	
	MW-24D		11:05		Water	4	X	X	
	MW-24S		11:35		Water	4	X	X	
	MW-26D		12:10		Water	4	X	X	
	MW-26S		12:30		Water	4	X	X	
	MW-25		1:45		Water	4	X	X	
	~~MW~~ SW-3		1:50		Water	4	X	X	
	~~MW~~				Water	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
DSW	1/3/08	1/25 5:40		Briana Gregory	1/25/08 17:40
Relinquished By	Date/Time	Received By	Date/Time		
Relinquished By	Date/Time	Received By	Date/Time		

Comments: MW-10R Dry; SW-6 Dry

Cooler #'s & Temps on Receipt: C-423 Rec. on Ice

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

Monday, February 4, 2008

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Laboratory Results for
Project Number: G07013.0 (Blanks), Project Name/Desc: Iredell Co. LF - Blanks
ENCO Workorder: C717839

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, January 25, 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,

Stephanie Franz For 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:	C717839-01	Sampled:	01/21/08 10:30	Received:	01/25/08 17:37

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/04/08	01/31/08 12:30	2/1/2008 08:10

Client ID:	FB	Lab ID:	C717839-02	Sampled:	01/21/08 10:35	Received:	01/25/08 17:37

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/04/08	01/31/08 12:30	2/1/2008 08:39

Client ID:	TB	Lab ID:	C717839-03	Sampled:	01/21/08 00:00	Received:	01/25/08 17:37

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/04/08	01/31/08 12:30	2/1/2008 09:08

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: EB **Lab ID:** C717839-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	15	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Chloroform	14		1	0.16	1.0	5	ug/L	EPA 8260B	

Client ID: FB **Lab ID:** C717839-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	15	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Chloroform	14		1	0.16	1.0	5	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: EB
Matrix: Water
Project: Iredell Co. LF - Blanks

Lab Sample ID: C717839-01
Sampled: 01/21/08 10:30
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:37
Work Order: C717839

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

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Description:	EB	**Lab Sample ID:**	C717839-01	**Received:**	01/25/08 17:37
Matrix:	Water	**Sampled:**	01/21/08 10:30	**Work Order:**	C717839
Project:	Iredell Co. LF - Blanks	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/01/08 08:10	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/01/08 08:10	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/01/08 08:10	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/01/08 08:10	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*69-120*	*8A31022*	*EPA 8260B*	*02/01/08 08:10*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*61-120*	*8A31022*	*EPA 8260B*	*02/01/08 08:10*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*83 %*	*75-99*	*8A31022*	*EPA 8260B*	*02/01/08 08:10*	*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: Iredell Co. LF - Blanks

Lab Sample ID: C717839-02
Sampled: 01/21/08 10:35
Sampled By: Jonathan Pfohl

Received: 01/25/08 17:37
Work Order: C717839

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	02/01/08 08:39	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	02/01/08 08:39	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	02/01/08 08:39	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/01/08 08:39	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	02/01/08 08:39	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	02/01/08 08:39	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	02/01/08 08:39	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	02/01/08 08:39	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	02/01/08 08:39	jkg	
Acetone [67-64-1] *	**15**	J	ug/L	1	0.90	5.0	100	EPA 8260B	02/01/08 08:39	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	02/01/08 08:39	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	02/01/08 08:39	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	02/01/08 08:39	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	02/01/08 08:39	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	02/01/08 08:39	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	02/01/08 08:39	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	02/01/08 08:39	jkg	
Chloroform [67-66-3] *	**14**		ug/L	1	0.16	1.0	5	EPA 8260B	02/01/08 08:39	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	02/01/08 08:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	02/01/08 08:39	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	02/01/08 08:39	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	02/01/08 08:39	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	02/01/08 08:39	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	02/01/08 08:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	02/01/08 08:39	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	02/01/08 08:39	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	02/01/08 08:39	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	02/01/08 08:39	jkg	

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Description:	FB	**Lab Sample ID:**	C717839-02	**Received:**	01/25/08 17:37
Matrix:	Water	**Sampled:**	01/21/08 10:35	**Work Order:**	C717839
Project:	Iredell Co. LF - Blanks	**Sampled By:**	Jonathan Pfohl		

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	02/01/08 08:39	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*69-120*	*8A31022*	*EPA 8260B*	*02/01/08 08:39*	*jkg*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*61-120*	*8A31022*	*EPA 8260B*	*02/01/08 08:39*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*83 %*	*75-99*	*8A31022*	*EPA 8260B*	*02/01/08 08:39*	*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: Iredell Co. LF - Blanks

Lab Sample ID: C717839-03
Sampled: 01/21/08 00:00
Sampled By:

Received: 01/25/08 17:37
Work Order: C717839

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

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Description:	TB	**Lab Sample ID:**	C717839-03	**Received:**	01/25/08 17:37
Matrix:	Water	**Sampled:**	01/21/08 00:00	**Work Order:**	C717839
Project:	Iredell Co. LF - Blanks	**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	02/01/08 09:08	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*69-120*	*8A31022*	*EPA 8260B*	*02/01/08 09:08*	*jkg*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*61-120*	*8A31022*	*EPA 8260B*	*02/01/08 09:08*	*jkg*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*75-99*	*8A31022*	*EPA 8260B*	*02/01/08 09:08*	*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 8A31022 - EPA 5030B_MS

Blank (8A31022-BLK1) Prepared: 01/31/2008 12:30 Analyzed: 01/31/2008 23:54

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	*40*			*ug/L*	*50.0*		*80*	*61-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8A31022 - EPA 5030B_MS

Blank (8A31022-BLK1) Continued Prepared: 01/31/2008 12:30 Analyzed: 01/31/2008 23:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*69-120*			

LCS (8A31022-BS1) Prepared: 01/31/2008 12:30 Analyzed: 02/01/2008 00:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		81	71-121			
Benzene	19		1.0	ug/L	20.0		93	77-128			
Trichloroethene	17		1.0	ug/L	20.0		84	79-120			
Toluene	16		1.0	ug/L	20.0		82	77-120			
Chlorobenzene	17		1.0	ug/L	20.0		85	78-120			

Matrix Spike (8A31022-MS1) Prepared: 01/31/2008 12:30 Analyzed: 02/01/2008 00:52

Source: C717836-01

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	0.14 U	90	71-121			
Benzene	22		1.0	ug/L	20.0	0.12 U	109	77-128			
Trichloroethene	18		1.0	ug/L	20.0	0.23 U	91	79-120			
Toluene	17		1.0	ug/L	20.0	0.15 U	87	77-120			
Chlorobenzene	19		1.0	ug/L	20.0	0.80	92	78-120			

Matrix Spike Dup (8A31022-MSD1) Prepared: 01/31/2008 12:30 Analyzed: 02/01/2008 01:21

Source: C717836-01

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	0.14 U	92	71-121	2	27	
Benzene	22		1.0	ug/L	20.0	0.12 U	110	77-128	1	27	
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	96	79-120	6	27	
Toluene	18		1.0	ug/L	20.0	0.15 U	90	77-120	4	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.80	93	78-120	0.8	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
(919) 677-1669 Fax (919) 677-9646

Page 1 of 1

Client Name: Municipal Engineering Services (MU001)	Project Number: G07013.0 (Blanks)
Address: P.O. Box 97	Project Name/Desc: Iredell Co. LF - Blanks
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	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1

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

Lab Workorder: C717839

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	EB	1/21/08	10:30	Grab	Water	3	X	
	FB	1/21/08	10:35	Grab	Water	3	X	
	TB	ENCO Filled			Water	3	X	

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
JWL BSG	1/4/08			[signature]	1/25/08 5:37
Comments: EB - Food Lion DI H_2O - D. Butler FB - Food Lion DI H_2O TB - ENCO Filled		[signature] 5:40 1/25/08			
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-439		rec'd on ice	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