Semi-Annual Groundwater Sampling and Analysis Report

Prepared for

Iredell County Closed Landfill
Statesville, North Carolina

July, 2006

Permit Number: 49-01
MESCO Project Number: G06014.0

Completed on December 19, 2006

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.

December 19, 2006

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
Iredell County Closed Sanitary Landfill
Permit No. 49-01
MESC0 Project No. G06014.0

Dear Ms. Drummond:

Municipal Engineering Services Co., PA (MESCO) sampled the Iredell County Closed Sanitary Landfill on July 12, 2006 for the complete Appendix I list of constituents. All sampling locations contained in the assessment monitoring program were sampled during this event including a new cluster pair, MW-7S/D installed to monitor along the south property boundary. All of the samples were analyzed by Environmental Conservation Laboratories, Inc. (ENCO) of Cary, NC. The results of all of the lab analysis are included herein.

All detected constituents were analyzed for regulatory exceedance with reference to North Carolina Groundwater Standards. The results are shown in the enclosed table titled "Exceedance Scan". The following table summarizes the constituents that exceeded the Standard.

Table 1. Exceedance Summary

Well	Pb	TCE	PCE	1,2DCE	DCM	Benzene
MW-1		x	x		x	
MW-3		x	x			
MW-6				x		x
MW-7S	x		x			

x=concentration greater than NCGW2L Standard

Inorganic constituents (Metals) were detected within most of the monitoring locations during this sampling event. The only metal detected in concentrations above the MCL was lead within newly constructed MW-7S. Elevated levels of metals are expected to be found in newly constructed wells and the presence of lead within MW-7S is likely not attributed to leachate contamination.

Volatile Organic Compounds (VOCs) were detected within downgradient wells MW-3, MW-6, supply wells serving the Animal Shelter and Mental Health Center as well as the background wells MW-1 and MW-7S. These monitoring wells have consistently contained VOCs of varied concentrations since monitoring was initiated in 1995. The supply wells were inadvertently sampled since it was assumed that they were still being served by groundwater but they are actually now served by City of Statesville "Tap" water. The VOC detections within the samples obtained from the supply wells should be discounted since they are a byproduct

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of the dechlorination process and not from the immediate groundwater. Due to the source of the sample the analytical results from the supply wells labeled Animal Shelter and Mental Health Center have been eliminated from the data set.

Water samples obtained from compliance well MW-6, located northeast and within close proximity of the closed sanitary unit, continues to exhibit low levels of the intermediate chlorinated hydrocarbon 1,1-Dichloroethane, cis-1,2-Dichloroethene, and 1,2-Dichloroethane (Figure 7). The purgeable aromatic benzene was also detected in concentrations above the MCL for the second consecutive event after being absent the preceding 2 ½ years (Figure 5). All of the concentrations of parameters detected within MW-6 are within the historical identifiable levels and an increasing trend is not currently evident. The plume in this region appears to be contained in the horizontal direction as MW-6R, located further downgradient, again lacked any VOC detections. In the Water Quality Assessment Report submitted by MESCO on April 14, 2005 a deeper counterpart to MW-6R was recommended to be installed upon the confining layer. This well was recommended in order to determine if the DNAPLs have coalesced along the higher permeable layer and in effect deeper than the screened interval of MW-6R. However, when the type III monitoring well was attempted to be constructed on July 1, 2006 rock was encountered at only approximately 23 feet BGS. This depth was much shallower than the expected refusal of depth of approximately 60 feet. Since MW-6R is already screened to 20 feet the installation of an additional adjacent well would be redundant therefore the boring was abandoned.

Downgradient well MW-3 was found to contain the purgeable halocarbon trichloroethene (TCE), and 1 intermediate chlorinated compounds which are likely attributed to biodegradation of the parent compound. The parent VOC PCE was once again detected within MW-3 during this event after being absent since 1999. As shown in the time series plots figures 9 and 10 the historically detected VOCs have not conformed to any identifiable trend. Purgeable halocarbons have historically been detected within MW-3 since implementation of the monitoring plan. The plume of chlorinated hydrocarbons found in the upper aquifer of this region appear to be contained since MW-3R installed further downgradient continues to not yield water samples containing VOCs.

A water sample obtained from the background well MW-1, located south of the closed landfill and animal shelter, was found to contain both parent compounds TCE and PCE above the Standard and at their highest historical levels (Figure 2). The intermediate purgeable halocarbon 1,1-Dichloroethane was also found within MW-1 in the highest historical level for the second consecutive event but still below the MCL (Figure 4). The source, the release mechanism and subsequent migration of the DNAPLs against groundwater flow in the MW-1 area is not entirely understood. The most reasonable speculation is that the DNAPLs have migrated along preferential pathways in the vadose zone. The DNAPLs may have been accelerated and/or contributed in a southerly direction through advection and diffusion of the LFG originating from the closed landfill. The recommendations set fourth in MESCO's water quality assessment report dated April 14, 2005 for the MW-1 region have been initiated. A cluster pair of deep and shallow wells were recently installed at the property boundary south of MW-1. The type II (MW-7S) installed within shallow regolith and the type III (MW-7D) terminated at the top of rock were installed in order to assess the migration of contaminants in both a horizontal and vertical direction. The analytical results of the premier sampling event for MW-7S and MW-7D indicate that the regolith has been impacted but the deeper portion remains free of VOCs. The parent purgeable halocarbon PCE was found within MW-7S above the MCL but in a much lower concentration than that found within MW-1 (Figure 3). Chloroform was also detected in levels below the Standard within MW-7S but its presence may possibly be residuals from the drilling process. City water, which was found to contain chloroform, was introduced into the aquifer during drilling the adjacent MW-7D.

All of the recommended actions in the water quality assessment report dated April 14, 2005 in response to concerns raised by the Section in a letter dated December 8, 2004 have now been carried out with the exception of installation of the planned additional deep monitoring well adjacent to MW-6R which proved to be unnecessary. The Iredell County owned buildings along Twin Oaks Road have now been hooked up to the city water supply system and no longer rely on water originating from the supply wells labeled as “Animal Shelter” and “Mental Health Center”. The monitoring program will continue to include sampling of the supply wells from the actual well itself until they are formally petitioned to be removed from the plan and approved by the Section.

MESCO enclosed a superimposed single day potentiometric map from a previous sampling event depicting the monitoring locations and property boundaries (Figure 11). The field data sheet and C-O-C have also been attached. The Iredell County Closed Sanitary Landfill is scheduled to be sampled again in January 2007

including the newly installed monitoring wells and the supply wells. The sampling and analysis report will be submitted upon completion. If you have any questions or comments regarding this report, please contact me at (919) 772-5393 or by email at jpfohl@mesco.com.

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

Jonathan Pfohl
Environmental Specialist

Enclosures
cc: Mr. David Lambert
Iredell County

Attachments:

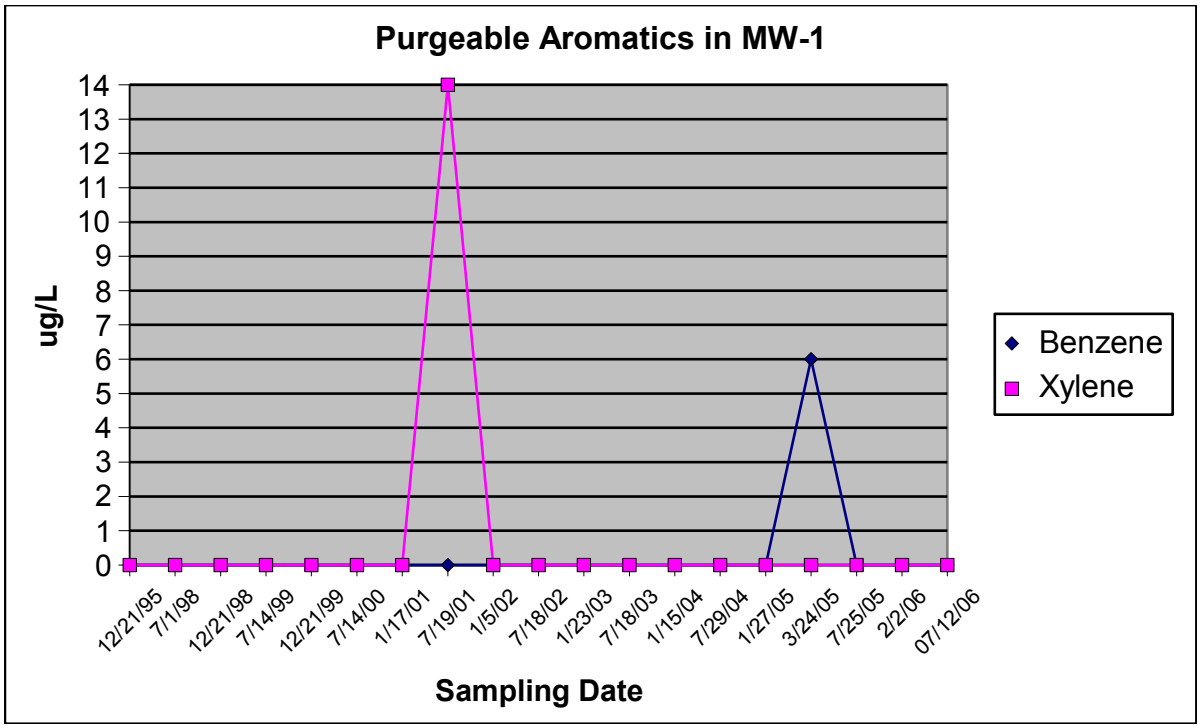
Exceedance Scan for July 2006
Field Sampling Data Sheet & C-O-C for July 2006
Time Series plot of VOCs detected in MW-1, Figures 1,2,3 & 4
Time Series plot of VOCs detected in MW-6, Figures 5,6,7, & 8
Time Series plot of VOCs detected in MW-3, Figures 9 & 10
Superimposed aerial photographic w/ potentiometric contours, Figure 11
Laboratory Results July 12, 2006

Exceedance Scan
Iredell County Closed Landfill

Well ID	Parameter Name [1]	Sample Date	Result	Unit	PQL [2]	NCGW2L [3]	Exceedance
MW-2	Barium	07/12/2006	0.898	mg/L	0.5	2	
MW-3	Lead	07/12/2006	0.0108	mg/L	0.01	0.015	
MW-3	Cobalt	07/12/2006	0.0112	mg/L	0.01		
MW-3	Chromium	07/12/2006	0.0162	mg/L	0.01	0.05	
MW-3R	Zinc	07/12/2006	0.0676	mg/L	0.05	1.05	
MW-3R	Chromium	07/12/2006	0.0206	mg/L	0.01	0.05	
MW-6	Barium	07/12/2006	0.805	mg/L	0.5	2	
MW-6	Zinc	07/12/2006	0.0782	mg/L	0.05	1.05	
MW-6	Thallium	07/12/2006	0.0477	mg/L	0.01		
MW-6	Cobalt	07/12/2006	0.119	mg/L	0.01		
MW-6R	Vanadium	07/12/2006	0.0525	mg/L	0.04		
MW-6R	Lead	07/12/2006	0.0113	mg/L	0.01	0.015	
MW-6R	Chromium	07/12/2006	0.0409	mg/L	0.01	0.05	
MW-7D	Chromium	07/12/2006	0.0117	mg/L	0.01	0.05	
MW-7S	Zinc	07/12/2006	0.118	mg/L	0.05	1.05	
MW-7S	Chromium	07/12/2006	0.016	mg/L	0.01	0.05	
MW-7S	Cobalt	07/12/2006	0.0114	mg/L	0.01		
MW-7S	**Lead**	**07/12/2006**	**0.0371**	**mg/L**	**0.01**	**0.015**	**0.0221**
SW-1	Cadmium	07/12/2006	0.001	mg/L	0.001	0.0018	
MW-1	1,1-Dichloroethane	07/12/2006	30.4	ug/L	5	70	
MW-1	**Methylene chloride**	**07/12/2006**	**11.5**	**ug/L**	**10**	**4.6**	**6.9**
MW-1	**Tetrachloroethene**	**07/12/2006**	**66.8**	**ug/L**	**5**	**0.7**	**66.1**
MW-1	**Trichloroethene**	**07/12/2006**	**20**	**ug/L**	**5**	**2.8**	**17.2**
MW-3	1,1-Dichloroethane	07/12/2006	37.2	ug/L	5	70	
MW-3	**Trichloroethene**	**07/12/2006**	**5.5**	**ug/L**	**5**	**2.8**	**2.7**
MW-3	**Tetrachloroethene**	**07/12/2006**	**6.2**	**ug/L**	**5**	**0.7**	**5.5**
MW-6	1,1-Dichloroethane	07/12/2006	11.4	ug/L	5	70	
MW-6	**1,2-Dichloroethane**	**07/12/2006**	**7.9**	**ug/L**	**5**	**0.38**	**7.52**
MW-6	cis-1,2-Dichloroethene	07/12/2006	33	ug/L	5	70	
MW-6	**Benzene**	**07/12/2006**	**5.4**	**ug/L**	**5**	**1**	**4.4**
MW-7S	**Tetrachloroethene**	**07/12/2006**	**6.4**	**ug/L**	**5**	**0.7**	**5.7**
MW-7S	Chloroform	07/12/2006	12.2	ug/L	5	70	
Animal Shelter	Bromodichloromethane	07/12/2006	18.2	ug/L	5		
Animal Shelter	**Chloroform**	**07/12/2006**	**190**	**ug/L**	**5**	**70**	**120**
Mental Health Center	**Chloroform**	**07/12/2006**	**207**	**ug/L**	**5**	**70**	**137**
Mental Health Center	Bromodichloromethane	07/12/2006	19.5	ug/L	5		

[1] Table only contains detected constituents.
[2] PQL = Practical Quantitation Limit
[3] NCGW2L = North Carolina Ground Water 2L Standard
Indented Well ID's invalid. Sample obtained from City “Tap” water NOT groundwater

Figure 1. Historical Purgeable Aromatics in MW-1

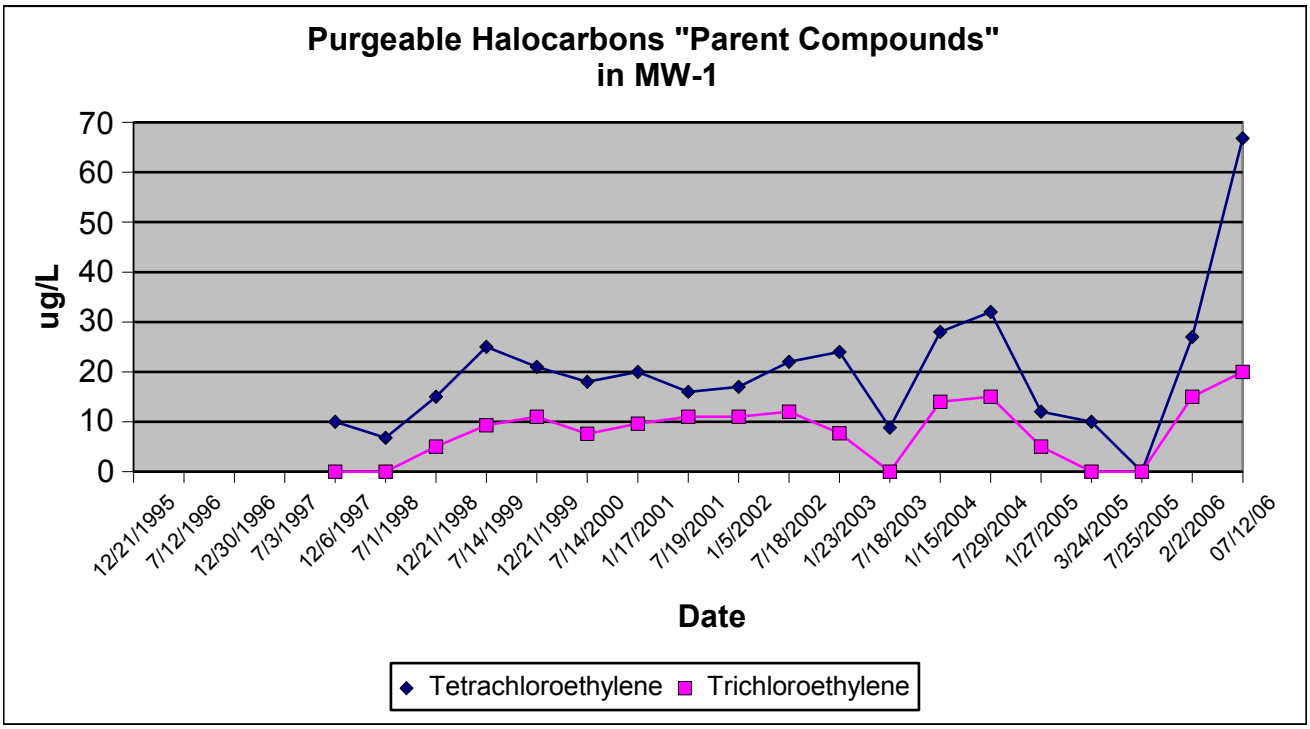


Date	Benzene	Xylene
12/21/1995	ND	ND
7/1/1998	ND	ND
12/21/1998	ND	ND
7/14/1999	ND	ND
12/21/1999	ND	ND
7/14/2000	ND	ND
1/17/2001	ND	ND
7/19/2001	ND	14
1/5/2002	ND	ND
7/18/2002	ND	ND
1/23/2003	ND	ND
7/18/2003	ND	ND
1/15/2004	ND	ND
7/29/2004	ND	ND
1/27/2005	ND	ND
3/24/2005	**6**	ND
7/25/2005	ND	ND
2/2/2006	ND	ND
7/12/2006	ND	ND

ND = Not Detected

BOLD = Above MCL

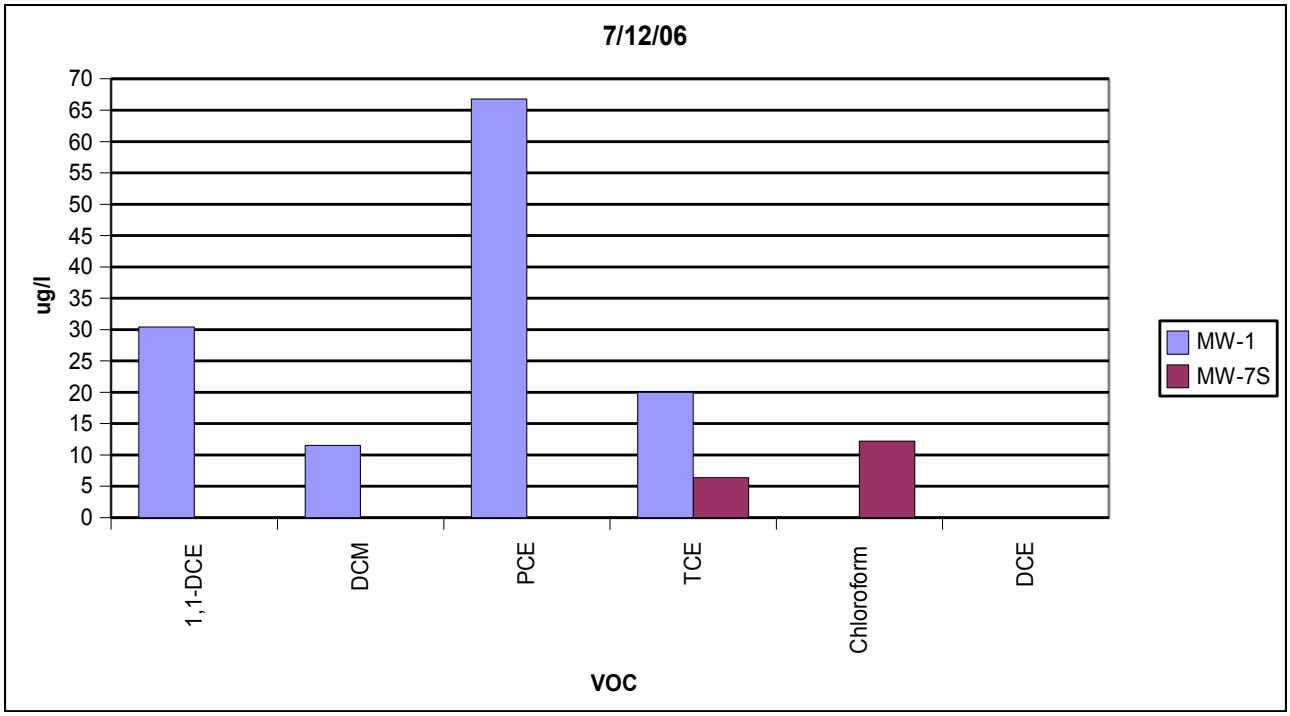
Figure 2. Historical Purgeable Halocarbons "Parent" in MW-1



Date	Tetrachloroethylene	Trichloroethylene
12/21/1995	ND	ND
7/12/1996	ND	ND
12/30/1996	ND	ND
7/3/1997	ND	ND
12/6/1997	**10**	ND
7/1/1998	**6.8**	ND
12/21/1998	**15**	**5**
7/14/1999	**25**	**9.3**
12/21/1999	**21**	**11**
7/14/2000	**18**	**7.6**
1/17/2001	**20**	**9.6**
7/19/2001	**16**	**11**
1/5/2002	**17**	**11**
7/18/2002	**22**	**12**
1/23/2003	**24**	**7.7**
7/18/2003	**8.8**	ND
1/15/2004	**28**	**14**
7/29/2004	**32**	**15**
1/27/2005	**12**	**5**
3/24/2005	**10**	ND
7/25/2005	ND	ND
2/2/2006	**27**	**15**
7/12/2006	**66.8**	**20**

ND = Not Detected
BOLD = Above MCL

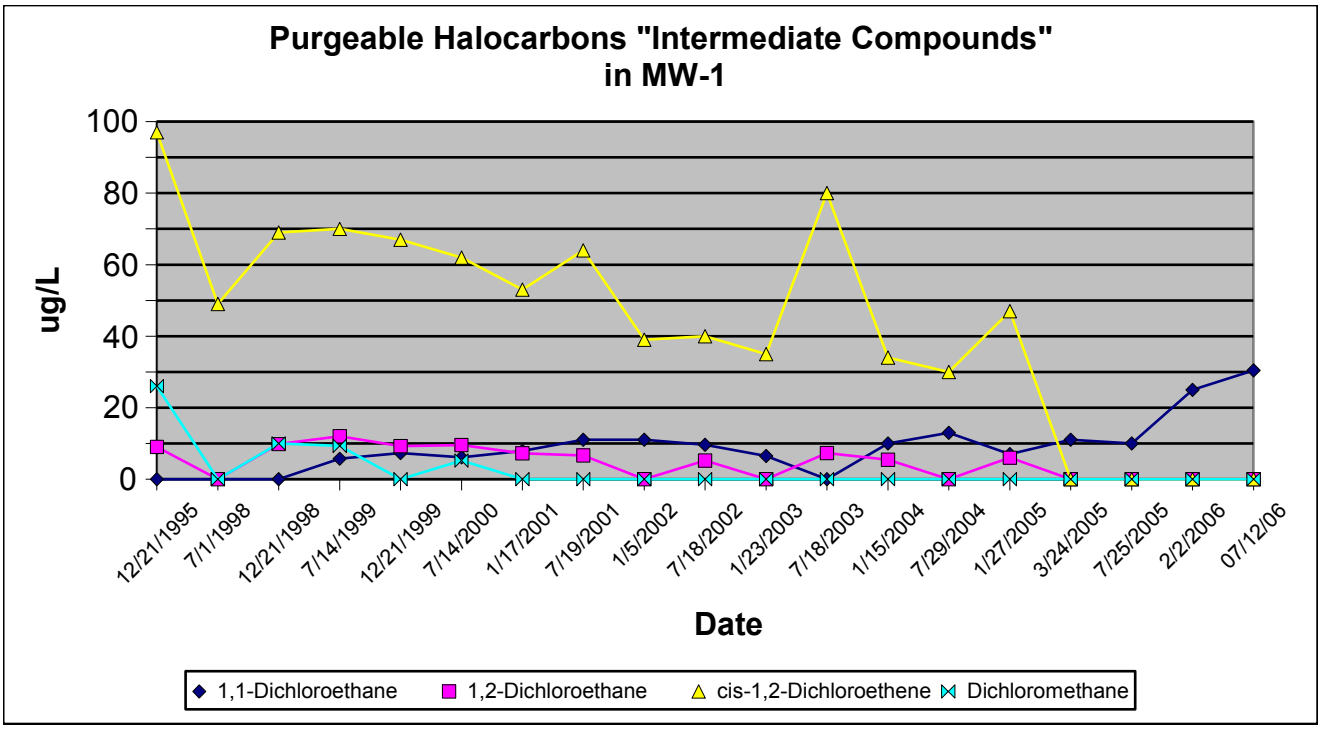
Figure 3. Historical VOC comparison between MW-1 and MW-7S



Parameter	MW-1	MW-7S
1,1-DCE	30.4	ND
DCM	**11.5**	ND
PCE	**66.8**	ND
TCE	**20**	**6.4**
Chloroform	ND	12.2

Bold=Exceeds NCGW2L

Figure 4. Historical Purgeable Halocarbons "Intermediates" in MW-1

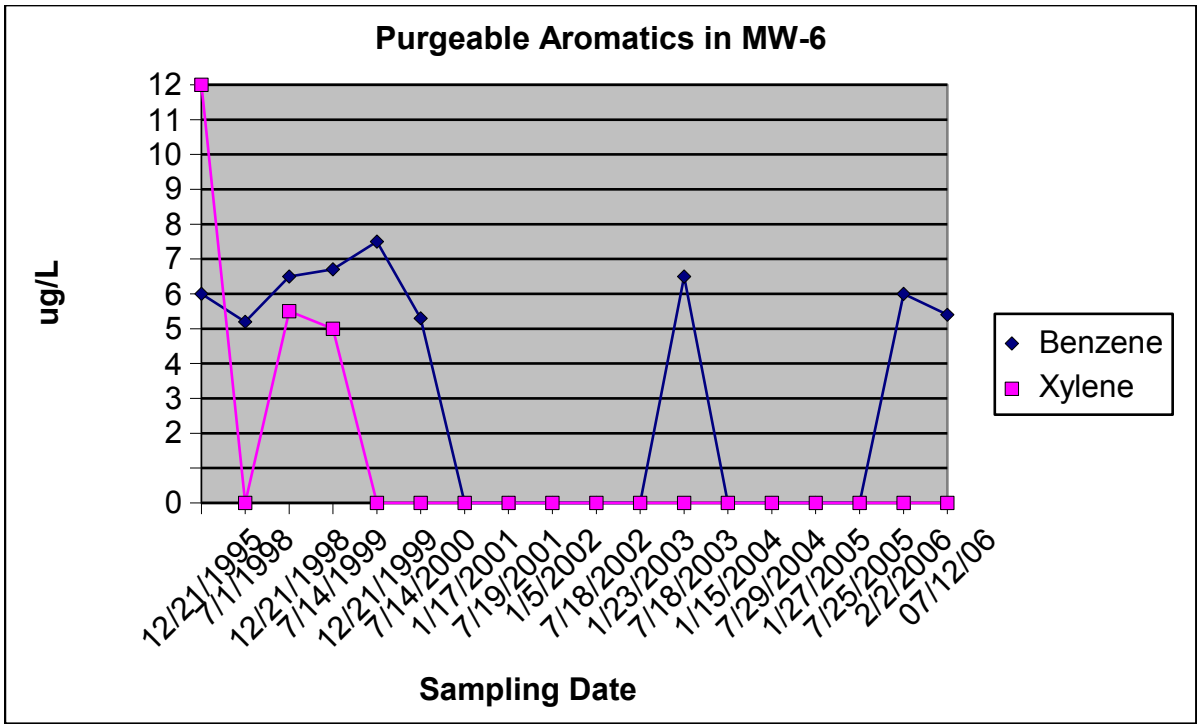


Date	1,1-DCA	1,2-DCA	Cis 1,2-DCE	DCM
12/21/1995	ND	**9**	**97**	**26**
7/1/1998	ND	ND	49	ND
12/21/1998	ND	**9.8**	69	**10**
7/14/1999	5.7	**12**	70	**9.3**
12/21/1999	7.3	**9.2**	67	ND
7/14/2000	6.1	**9.5**	62	**5.2**
1/17/2001	7.9	**7.2**	53	ND
7/19/2001	11	**6.6**	64	ND
1/5/2002	11	ND	39	ND
7/18/2002	9.6	**5.2**	40	ND
1/23/2003	6.5	ND	35	ND
7/18/2003	ND	**7.3**	**80**	ND
1/15/2004	10	**5.4**	34	ND
7/29/2004	13	ND	30	ND
1/27/2005	7	**6**	47	ND
3/24/2005	11	ND	ND	ND
7/25/2005	10	ND	ND	ND
2/2/2006	25	ND	ND	ND
7/12/2006	30.4	ND	ND	ND

ND = Not Detected

BOLD = Above MCL

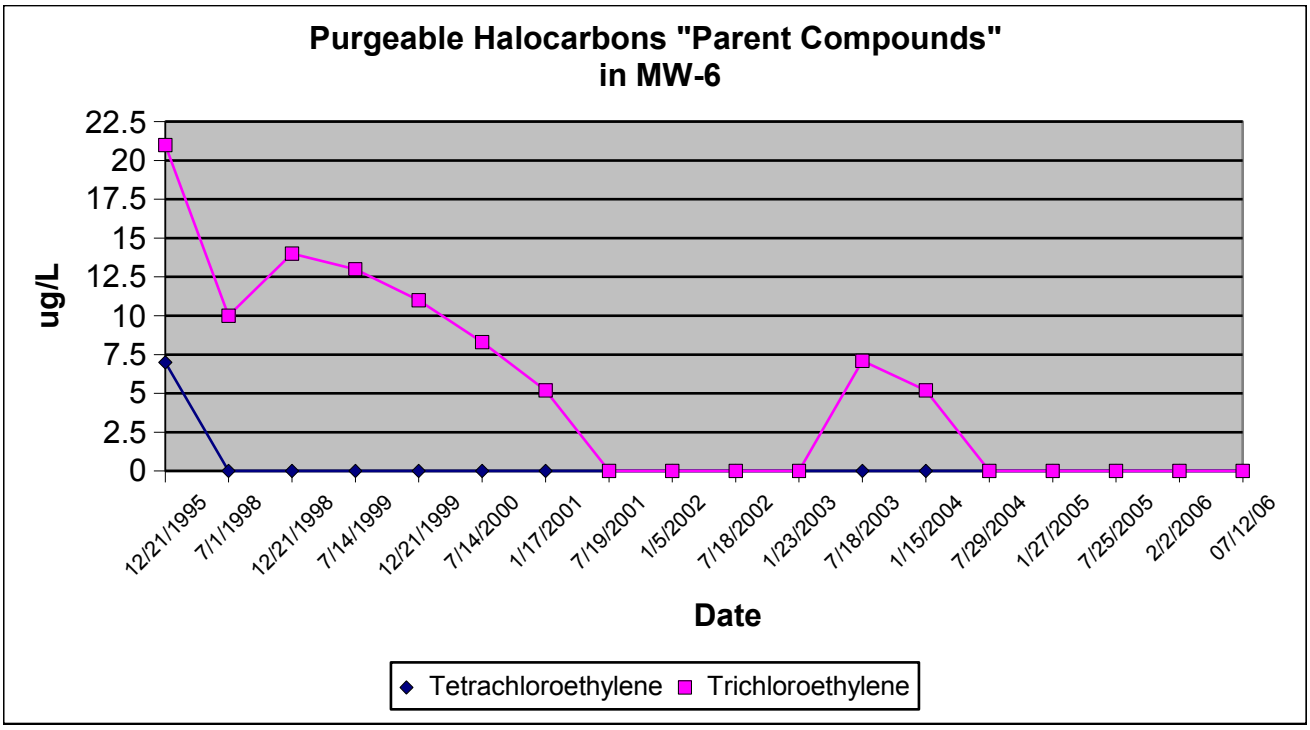
Figure 5. Historical Purgeable Aromatics in MW-6



Date	Benzene	Xylene
12/21/1995	**6**	12
7/1/1998	**5.2**	ND
12/21/1998	**6.5**	5.5
7/14/1999	**6.7**	5
12/21/1999	**7.5**	ND
7/14/2000	**5.3**	ND
1/17/2001	ND	ND
7/19/2001	ND	ND
1/5/2002	ND	ND
7/18/2002	ND	ND
1/23/2003	ND	ND
7/18/2003	**6.5**	ND
1/15/2004	ND	ND
7/29/2004	ND	ND
1/27/2005	ND	ND
7/25/2005	ND	ND
2/2/2006	**6**	ND
7/12/2006	**5.4**	ND

ND = Not Detected
BOLD = Above MCL

Figure 6. Historical Purgeable Halocarbons "Parent" in MW-6

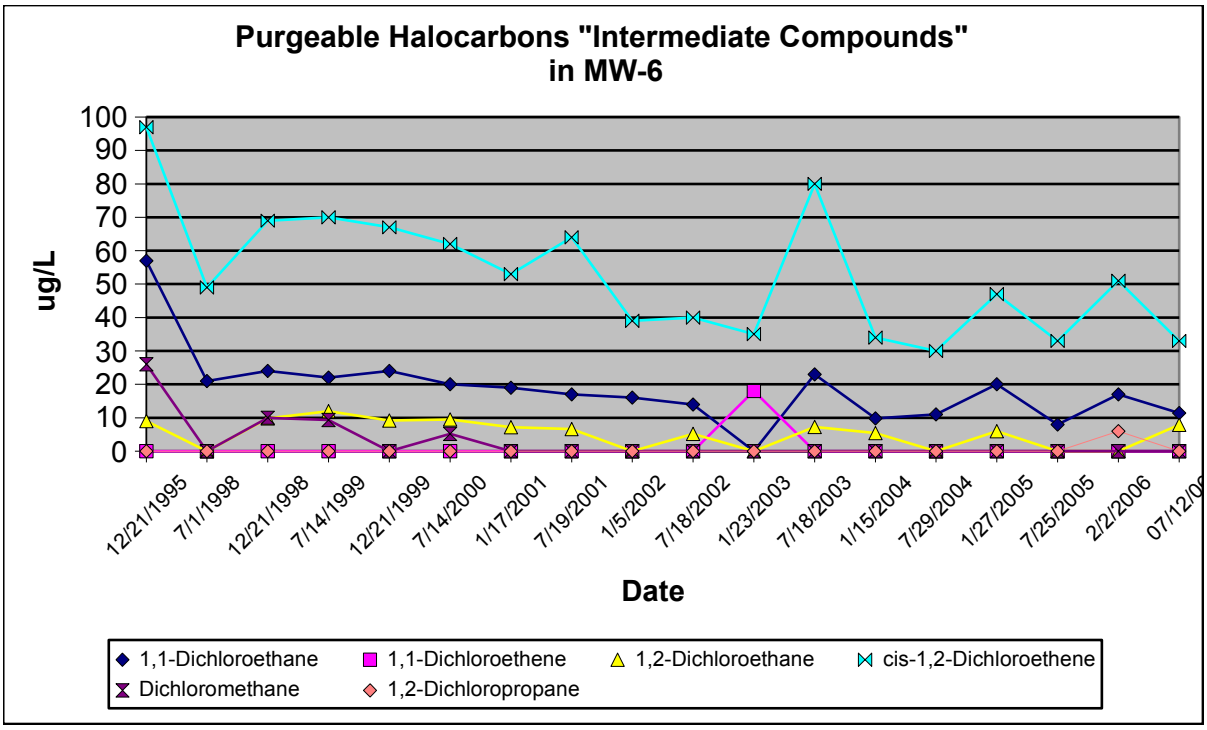


Date	Tetrachloroethylene	Trichloroethylene
12/21/1995	**7**	**21**
7/1/1998	ND	**10**
12/21/1998	ND	**14**
7/14/1999	ND	**13**
12/21/1999	ND	**11**
7/14/2000	ND	**8.3**
1/17/2001	ND	**5.2**
7/19/2001	ND	ND
1/5/2002	ND	ND
7/18/2002	ND	ND
1/23/2003	ND	ND
7/18/2003	ND	**7.1**
1/15/2004	ND	**5.2**
7/29/2004	ND	ND
1/27/2005	ND	ND
7/25/2005	ND	ND
2/2/2006	ND	ND
7/12/2006	ND	ND

ND = Not Detected

BOLD = Above MCL

Figure 7. Historical Purgeable Halocarbons "Intermediates" in MW-6

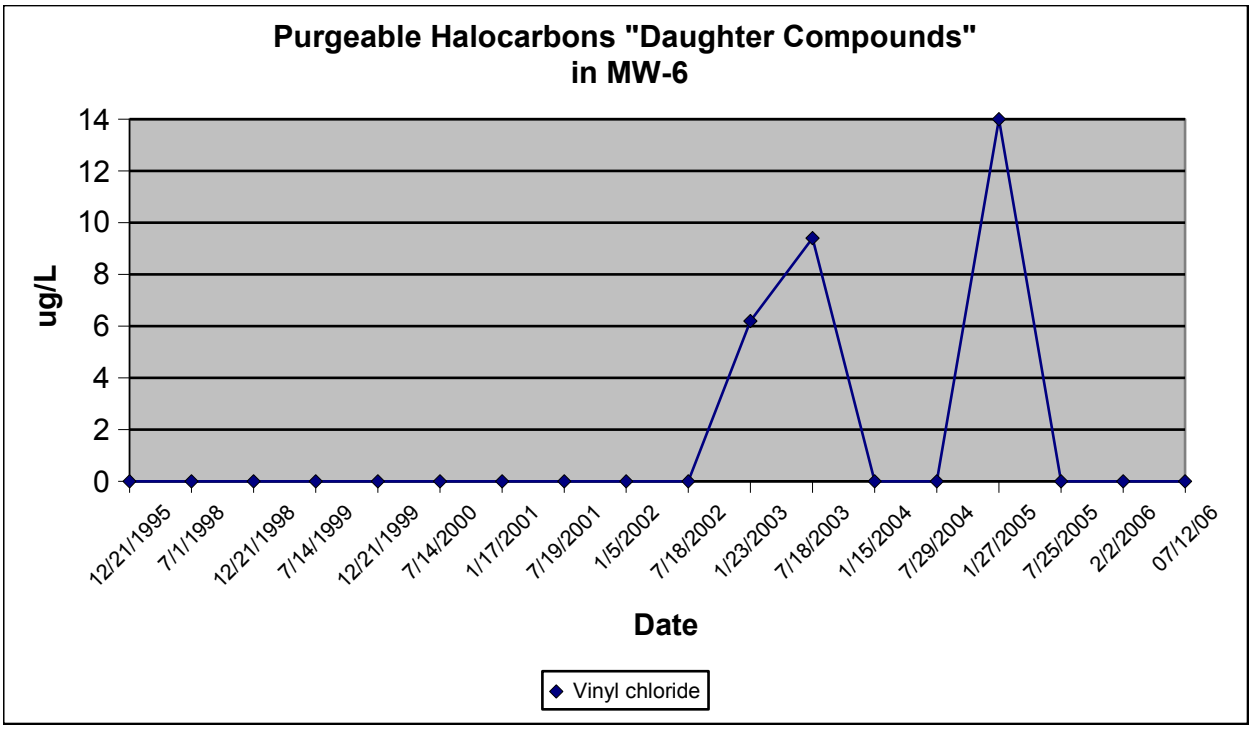


Date	1,1-DCA	1,1-DCE	1,2-DCA	cis-1,2-DCE	DCA	1,2-DCP
12/21/1995	57	ND	**9**	**97**	**26**	ND
7/1/1998	21	ND	ND	49	ND	ND
12/21/1998	24	ND	**9.8**	69	**10**	ND
7/14/1999	22	ND	**12**	70	**9.3**	ND
12/21/1999	24	ND	**9.2**	67	ND	ND
7/14/2000	20	ND	**9.5**	62	**5.2**	ND
1/17/2001	19	ND	**7.2**	53	ND	ND
7/19/2001	17	ND	**6.6**	64	ND	ND
1/5/2002	16	ND	ND	39	ND	ND
7/18/2002	14	ND	**5.2**	40	ND	ND
1/23/2003	ND	**18**	ND	35	ND	ND
7/18/2003	23	ND	**7.3**	**80**	ND	ND
1/15/2004	9.8	ND	**5.4**	34	ND	ND
7/29/2004	11	ND	ND	30	ND	ND
1/27/2005	20	ND	**6**	47	ND	ND
7/25/2005	8	ND	ND	33	ND	ND
2/2/2006	17	ND	ND	51	ND	5
7/12/2006	11.4	ND	**7.9**	33	ND	ND

ND = Not Detected

BOLD = Above MCL

Figure 8. Historical Purgeable Halocarbons "Daughter" in MW-6

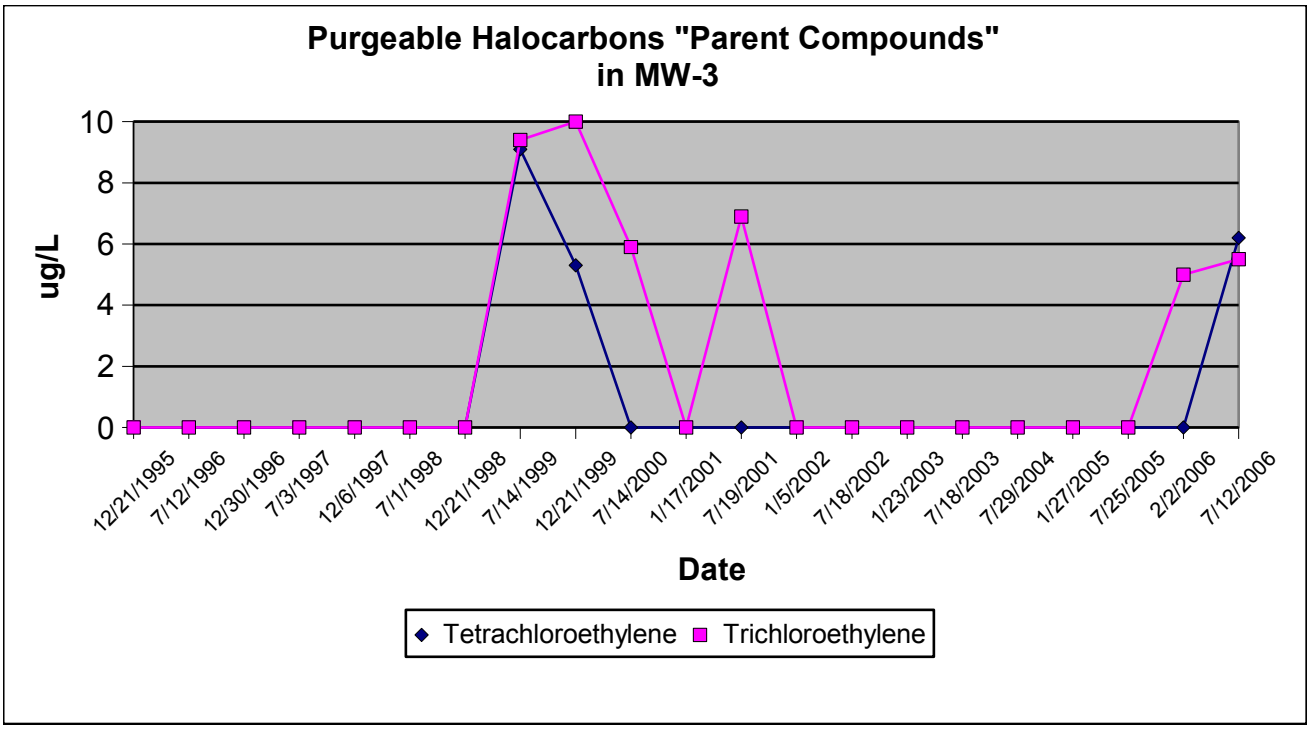


Date	Vinyl chloride
12/21/1995	ND
7/1/1998	ND
12/21/1998	ND
7/14/1999	ND
12/21/1999	ND
7/14/2000	ND
1/17/2001	ND
7/19/2001	ND
1/5/2002	ND
7/18/2002	ND
1/23/2003	**6.2**
7/18/2003	**9.4**
1/15/2004	ND
7/29/2004	ND
1/27/2005	**14**
7/25/2005	ND
2/2/2006	ND
7/12/2006	ND

ND = Not Detected

BOLD = Above MCL

Figure 9. Historical Purgeable Halocarbons "Parent" in MW-3

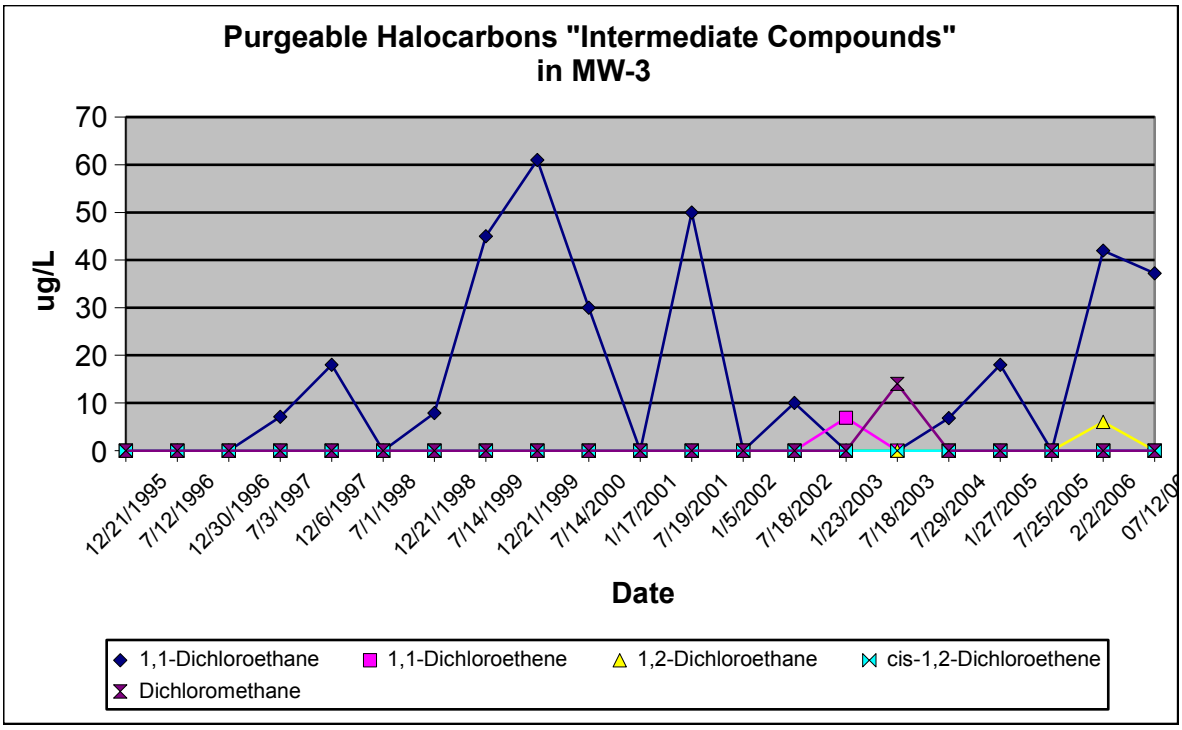


Date	Tetrachloroethylene	Trichloroethylene
12/21/1995	ND	ND
7/12/1996	ND	ND
12/30/1996	ND	ND
7/3/1997	ND	ND
12/6/1997	ND	ND
7/1/1998	ND	ND
12/21/1998	ND	ND
7/14/1999	**9.1**	**9.4**
12/21/1999	**5.3**	**10**
7/14/2000	ND	**5.9**
1/17/2001	ND	ND
7/19/2001	ND	**6.9**
1/5/2002	ND	ND
7/18/2002	ND	ND
1/23/2003	ND	ND
7/18/2003	ND	ND
7/29/2004	ND	ND
1/27/2005	ND	ND
7/25/2005	ND	ND
2/2/2006	ND	**5**
7/12/2006	**6.2**	**5.5**

ND = Not Detected

BOLD = Above MCL

Figure 10. Historical Purgeable Halocarbons "Intermediates" in MW-3



Date	1,1-DCA	1,1-DCE	1,2-DCA	cis-1,2-DCE	DCA
12/21/1995	ND	ND	ND	ND	ND
7/12/1996	ND	ND	ND	ND	ND
12/30/1996	ND	ND	ND	ND	ND
7/3/1997	7.1	ND	ND	ND	ND
12/6/1997	18	ND	ND	ND	ND
7/1/1998	ND	ND	ND	ND	ND
12/21/1998	7.9	ND	ND	ND	ND
7/14/1999	45	ND	ND	ND	ND
12/21/1999	61	ND	ND	ND	ND
7/14/2000	30	ND	ND	ND	ND
1/17/2001	ND	ND	ND	ND	ND
7/19/2001	50	ND	ND	ND	ND
1/5/2002	ND	ND	ND	ND	ND
7/18/2002	10	ND	ND	ND	ND
1/23/2003	ND	6.9	ND	ND	ND
7/18/2003	ND	ND	ND	ND	**14**
7/29/2004	6.8	ND	ND	ND	ND
1/27/2005	18	ND	ND	ND	ND
7/25/2005	ND	ND	ND	ND	ND
2/2/2006	42	ND	6	ND	ND
7/12/2006	37.2	ND	ND	ND	ND

ND = Not Detected

BOLD = Above MCL

Figure 11

Property Line
Potentiometric Contours
Ephemeral Ditch

Superimposed Aerial Photo-Iredell County Closed Landfill

Sampling Data Sheet

Project: Inglis Co. Closed Landfill

Samplers: J. Pfohl

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (DTW)	Reference Point	Volume Purged (Gal)	Sample Type	Sampling Depth (bGS)	Water Quality Parameters: pH	Temp.	Specific Cond.	Turbidity	Total Depth
MW-4	7/10/06	12:00	11.18		9	P		6.8	16.5	90	C	30
MW-3		12:30	9.41		PD	P		6.6	16.6	320	ST	23
MW-3R		1:00	3.64		PD	P		6.9	16.7	140	ST	20
SW-1		1:10	–		–	Dip		7.0	21.3	50	C	–
SW-2		1:20	–		–	Dip		7.1	21.1	80	ST	–
10:00 MW-6		2:10	35.89		3	P		6.5	16.8	100	C	33
MW-6R		2:35	2.15		8	P		6.6	16.7	50	ST	20
MW-2		3:20	17.49		15	P		6.9	16.8	80	C	49
MW-1		3:55	43.34		8	P		6.0	16.3	410	C	60
* MW-7D		5:20	45.35		56	P		6.4	16.1	70	C	132.1
* MW-7S		5:45	45.39		PD	P		6.1	16.3	80	VT	54.37
Rinsate		5:55	–		Rinsate Collected	–					C	–
Field Blank		6:00	–		Rinsate Collected	–					C	–

Comments

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

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

* = Physical sampling event

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

Client Name: Municipal Engineering Services (MU001)	Project Number: G05015.0
Address: P.O. Box 97	Project Name/Desc: Iredell Co. Closed LF
City/ST/Zip: Garner, NC 27529	PO # / Billing #:
Tel: (919) 772-5393 Fax: (919) 772-1176	Reporting Contact: J. Pfohl
Sampler(s) Name and Signature: Jonathan Pfohl, MESCO	Billing Contact:
Special Instructions:	Invoice Addressee:

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

Preservation (See Codes) (Out/Blk 26 Preservatives)

Requested Turnaround Times: Note: Rush requests subject to availability by lab. X Standard ___ Expedited Due ___/___/___

Lab Workorder: C602168

Sample ID (Field Identification)	Collection Date	Collection Time	Comp/Grab	Matrix (soil/water)	Total # of Containers			Sample Comments
MW-6 MS/MSD	7/12/06	2:14	Grab	Water	7	X	X	
MW-4		12:00		Water	4	X	X	
MW-3		12:30		Water	4	X	X	
MW-3R		1:00		Water	4	X	X	
MW-SW-1		1:10		Water	4	X	X	
MW-SW-2		1:20		Water	4	X	X	
MW-6R		2:35		Water	4	X	X	
MW-2		3:20		Water	4	X	X	
MW-1		3:45		Water	4	X	X	
MW-7D		5:10		Water	4	X	X	
MW-7S		5:45		Water	4	X	X	
MW-Animal shelter		5:55		Water	4	X	X	

Total # of Containers

Sample Kit Prepared By: JWL	Date/Time: 7/5/06 1300	Kit Received By:	Date/Time:	Received By: Jose Corraios	Date/Time: 07-17-06 1245
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Delivery Method:		Cooler Temp. Upon Receipt: 2°C	X Acceptable ___ Unacceptable

Matrix: GW Groundwater, SO Soil, Sediment, SW Surface Water, WW Wastewater, Aqu Other Aqueous, Oth Other Solid

Preservation Key: H HCl, N HNO3, S H2SO4, NaOH, O Other Solid, A Ascorbic

Note: All samples submitted by ENCO Laboratories conform with Chain of Custody Procedures unless otherwise noted.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

Client Name: Municipal Engineering Services (MU001)	Project Number: G05015.0
Address: P.O. Box 97	Project Name/Site: Iredell Co. Closed LF
City/Zip: Garner, NC 27529	PO # / Billing Info:
Tel: (919) 772-5393 Fax: (919) 772-1176	Receiving Center: J. Pfohl
Sampler(s)/Name Affiliation: Jonathan Pfohl, MESCO	Billing Contact:
Sampler Signature:	Facility # (if required):

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

Preservative(s) Correspondence Based on Matrix

Requested Turnaround Times: Note: Rush requests subject to lab availability and acceptance by the laboratory

X Standard

_ Expedited

Due _/_ /_

Lab Workorder: C602168

Bottle #	Sample Identification	Collection Date	Collection Time	Comp/Grab	Matrix (see codes)	Total # of Containers											Sample Comments
	MW-Mental Health Center	7/12/06	6:00	Grab	Water	4	X	X									
	MW				Water	4	X	X									

*** Total # of Containers

Sample Collected By: JWL	Date/Time: 7/5/06 1300	Received By:	Date/Time:	Received By: Jose Corrales	Date/Time: 07-17-06 1245
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Condition & Temperature Upon Receipt: 2°C		Cooler Seal Intact: X Acceptable	Unacceptable

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

Preservative Key: N-HCl; N-HNO3; N-H2SO4; N-NaOH; O-Other (note in comments)

Note: Samples received subject to ENCO laboratory's standard terms and conditions found on the reverse side of this form, unless prior written agreement is made

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Client Name: Municipal Engineering Services (MU001)	Project Number: G05013.0 (Blanks)
Address: P.O. Box 97	Project Name/Desc: Iredell Co. Landfills
City/ST/Zip: Garner, NC 27529	PO # / Billing Info:
Tel: (919) 772-5393 Fax: (919) 772-1176	Reporting Contact: J. Pfohl
Sampler(s) Name, Affiliation (Print): Jonathan Pfohl, MESCO	Billing Contact:
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: C602169

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	EB	7/10/06	9:30	Grab	Water	3	X	
	FB		9:35	Grab	Water	3	X	
	TB ENCO Filled				Water	3	X	

<-- Total # of Containers

Sample Kit Prepared By: JWL	Date/Time: 7/5/06 1230	Relinquished By:	Date/Time:	Received By: Jose Corrales	Date/Time: 07-17-06 1245
Comments: ENCO DI Water		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: 1°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

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

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

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, July 25, 2006

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Project Number: G06014.0, Project Name/Desc: Iredell Co. Closed LF
ENCO Workorder: C602168

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, July 17, 2006.

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

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Bob George For Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 48.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-6 MS/MSD **Lab ID:** C602168-01
Sampled: 07/12/06 14:10 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 13:38
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 12:18

Client ID: MW-4 **Lab ID:** C602168-02
Sampled: 07/12/06 12:00 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 14:03
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 12:43

Client ID: MW-3 **Lab ID:** C602168-03
Sampled: 07/12/06 12:30 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 14:10
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 13:09

Client ID: MW-3R **Lab ID:** C602168-04
Sampled: 07/12/06 13:00 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 14:17
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 13:35

Client ID: SW-1 **Lab ID:** C602168-05
Sampled: 07/12/06 13:10 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 14:24
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 14:01

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Client ID: SW-2 **Lab ID:** C602168-06

Sampled: 07/12/06 13:20 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 14:31
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 14:28

Client ID: MW-6R **Lab ID:** C602168-07

Sampled: 07/12/06 14:35 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 14:38
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 14:54

Client ID: MW-2 **Lab ID:** C602168-08

Sampled: 07/12/06 15:20 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 15:00
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 15:20

Client ID: MW-1 **Lab ID:** C602168-09

Sampled: 07/12/06 15:55 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 15:07
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 15:46

Client ID: MW-7D **Lab ID:** C602168-10

Sampled: 07/12/06 17:10 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 15:14
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 16:12

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Client ID: MW-7S **Lab ID:** C602168-11

Sampled: 07/12/06 17:45 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 15:21
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 16:39

Client ID: Animal Shelter **Lab ID:** C602168-12

Sampled: 07/12/06 17:55 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 15:28
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 17:05

Client ID: Mental Health Center **Lab ID:** C602168-13

Sampled: 07/12/06 18:00 **Received:** 07/17/06 12:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/08/07	07/18/06 14:47	7/21/2006 15:35
EPA 8260B	07/26/06	07/22/06 11:16	7/24/2006 17:31

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ANALYTICAL REPORT

Sample ID:	MW-6 MS/MSD	Project:	Iredell Co. Closed LF
Lab #:	C602168-01	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**11.4**	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	**7.9**	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	**5.4**	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	**33.0**	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-6 MS/MSD	Project:	Iredell Co. Closed LF
Lab #:	C602168-01	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53.0	50.0	106 %	70-130
Dibromofluoromethane	1868-53-7	53.2	50.0	106 %	73-138
Toluene-d8	2037-26-5	53.6	50.0	107 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-6 MS/MSD
Lab #: C602168-01

Project: Iredell Co. Closed LF
Work Order #: C602168
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	**0.805**		0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	**0.119**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	**0.0477**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	**0.0782**		0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Iredell Co. Closed LF
Lab #:	C602168-02	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Iredell Co. Closed LF
Lab #:	C602168-02	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.0	50.0	98 %	70-130
Dibromofluoromethane	1868-53-7	52.1	50.0	104 %	73-138
Toluene-d8	2037-26-5	50.6	50.0	101 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Iredell Co. Closed LF
Lab #:	C602168-02	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Iredell Co. Closed LF
Lab #:	C602168-03	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**37.2**	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	**6.2**	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Iredell Co. Closed LF
Lab #:	C602168-03	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	1.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	**5.5**	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54.7	50.0	109 %	70-130
Dibromofluoromethane	1868-53-7	55.8	50.0	112 %	73-138
Toluene-d8	2037-26-5	52.4	50.0	105 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Iredell Co. Closed LF
Lab #:	C602168-03	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	**0.0162**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	**0.0112**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	**0.0108**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-3R	Project:	Iredell Co. Closed LF
Lab #:	C602168-04	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	MW-3R	Project:	Iredell Co. Closed LF
Lab #:	C602168-04	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.2	50.0	100 %	70-130
Dibromofluoromethane	1868-53-7	53.3	50.0	107 %	73-138
Toluene-d8	2037-26-5	53.6	50.0	107 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-3R
Lab #: C602168-04

Project: Iredell Co. Closed LF
Work Order #: C602168
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	**0.0206**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	**0.0676**		0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Iredell Co. Closed LF
Lab #:	C602168-05	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Iredell Co. Closed LF
Lab #:	C602168-05	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52.9	50.0	106 %	70-130
Dibromofluoromethane	1868-53-7	53.2	50.0	106 %	73-138
Toluene-d8	2037-26-5	52.6	50.0	105 %	77-118

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Iredell Co. Closed LF
Lab #:	C602168-05	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.00100		0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	Iredell Co. Closed LF
Lab #:	C602168-06	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	Iredell Co. Closed LF
Lab #:	C602168-06	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52.1	50.0	104 %	70-130
Dibromofluoromethane	1868-53-7	54.8	50.0	110 %	73-138
Toluene-d8	2037-26-5	54.3	50.0	109 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-2
Lab #: C602168-06

Project: Iredell Co. Closed LF
Work Order #: C602168
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-6R	Project:	Iredell Co. Closed LF
Lab #:	C602168-07	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	MW-6R	Project:	Iredell Co. Closed LF
Lab #:	C602168-07	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51.1	50.0	102 %	70-130
Dibromofluoromethane	1868-53-7	56.2	50.0	112 %	73-138
Toluene-d8	2037-26-5	51.8	50.0	104 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-6R	Project:	Iredell Co. Closed LF
Lab #:	C602168-07	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	**0.0409**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	**0.0113**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	**0.0525**		0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Iredell Co. Closed LF
Lab #:	C602168-08	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Iredell Co. Closed LF
Lab #:	C602168-08	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.1	50.0	98 %	70-130
Dibromofluoromethane	1868-53-7	52.2	50.0	104 %	73-138
Toluene-d8	2037-26-5	51.7	50.0	103 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Iredell Co. Closed LF
Lab #:	C602168-08	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	**0.898**		0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-1	Project:	Iredell Co. Closed LF
Lab #:	C602168-09	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**30.4**	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	**11.5**	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	**66.8**	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-1	Project:	Iredell Co. Closed LF
Lab #:	C602168-09	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	1.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	**20.0**	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51.5	50.0	103 %	70-130
Dibromofluoromethane	1868-53-7	52.6	50.0	105 %	73-138
Toluene-d8	2037-26-5	53.6	50.0	107 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-1
Lab #: C602168-09

Project: Iredell Co. Closed LF
Work Order #: C602168
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-7D	Project:	Iredell Co. Closed LF
Lab #:	C602168-10	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	MW-7D	Project:	Iredell Co. Closed LF
Lab #:	C602168-10	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51.7	50.0	103 %	70-130
Dibromofluoromethane	1868-53-7	54.8	50.0	110 %	73-138
Toluene-d8	2037-26-5	52.2	50.0	104 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-7D	Project:	Iredell Co. Closed LF
Lab #:	C602168-10	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	**0.0117**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	MW-7S	Project:	Iredell Co. Closed LF
Lab #:	C602168-11	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	**12.2**	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	**6.4**	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-7S	Project:	Iredell Co. Closed LF
Lab #:	C602168-11	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	48.6	50.0	97 %	70-130
Dibromofluoromethane	1868-53-7	55.6	50.0	111 %	73-138
Toluene-d8	2037-26-5	50.2	50.0	100 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-7S	Project:	Iredell Co. Closed LF
Lab #:	C602168-11	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	**0.0160**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	**0.0114**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	**0.0371**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	**0.118**		0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	Animal Shelter	Project:	Iredell Co. Closed LF
Lab #:	C602168-12	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	**18.2**	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	**190**	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	Animal Shelter	Project:	Iredell Co. Closed LF
Lab #:	C602168-12	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.5	50.0	99 %	70-130
Dibromofluoromethane	1868-53-7	51.9	50.0	104 %	73-138
Toluene-d8	2037-26-5	50.9	50.0	102 %	77-118

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ANALYTICAL REPORT

Sample ID:	Animal Shelter	Project:	Iredell Co. Closed LF
Lab #:	C602168-12	Work Order #:	C602168
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

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ANALYTICAL REPORT

Sample ID:	Mental Health Center	Project:	Iredell Co. Closed LF
Lab #:	C602168-13	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	**19.5**	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	**207**	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	Mental Health Center	Project:	Iredell Co. Closed LF
Lab #:	C602168-13	Work Order #:	C602168
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	07/24/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G22004		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51.1	50.0	102 %	70-130
Dibromofluoromethane	1868-53-7	55.9	50.0	112 %	73-138
Toluene-d8	2037-26-5	55.9	50.0	112 %	77-118

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ANALYTICAL REPORT

Sample ID: Mental Health Center
Lab #: C602168-13

Project: Iredell Co. Closed LF
Work Order #: C602168
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0100	0.03	mg/L	EPA 6010B	EPA 3005A	6G18018
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Barium	7440-39-3	0.5	U	0.0200	0.5	mg/L	EPA 6010B	EPA 3005A	6G18018
Beryllium	7440-41-7	0.002	U	0.00100	0.002	mg/L	EPA 6010B	EPA 3005A	6G18018
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6G18018
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Copper	7440-50-8	0.2	U	0.0100	0.2	mg/L	EPA 6010B	EPA 3005A	6G18018
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018
Selenium	7782-49-2	0.02	U	0.0100	0.02	mg/L	EPA 6010B	EPA 3005A	6G18018
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6G18018
Vanadium	7440-62-2	0.04	U	0.0100	0.04	mg/L	EPA 6010B	EPA 3005A	6G18018
Zinc	7440-66-6	0.05	U	0.0100	0.05	mg/L	EPA 6010B	EPA 3005A	6G18018

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 6G22004 - EPA 5030B_MS

Blank (6G22004-BLK1) Prepared: 07/22/2006 11:16 Analyzed: 07/24/2006 10:09

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

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6G22004 - EPA 5030B_MS										
Blank (6G22004-BLK1) Continued				Prepared: 07/22/2006 11:16 Analyzed: 07/24/2006 10:09						
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
LCS (6G22004-BS1)				Prepared: 07/22/2006 11:16 Analyzed: 07/24/2006 19:16						
Benzene	23.0	1.0	ug/L	20.0		115	69-115		200	
Trichloroethene	20.2	1.0	ug/L	20.0		101	74-118		200	
Chlorobenzene	19.1	1.0	ug/L	20.0		96	76-118		200	
1,1-Dichloroethene	20.2	1.0	ug/L	20.0		101	64-139		200	
Toluene	18.8	1.0	ug/L	20.0		94	77-117		200	
Matrix Spike (6G22004-MS1)		**Source: C602168-01**		Prepared: 07/22/2006 11:16 Analyzed: 07/24/2006 19:42						
Benzene	31.0	1.0	ug/L	20.0	5.43	128	53-150		23	
Trichloroethene	24.0	1.0	ug/L	20.0	1.66	112	64-124		25	
Chlorobenzene	23.4	1.0	ug/L	20.0	0.820	113	44-128		22	
1,1-Dichloroethene	22.8	1.0	ug/L	20.0	1.0 U	114	36-177		30	
Toluene	22.1	1.0	ug/L	20.0	1.01	105	40-161		23	
Matrix Spike Dup (6G22004-MSD1)		**Source: C602168-01**		Prepared: 07/22/2006 11:16 Analyzed: 07/24/2006 20:09						
Benzene	29.3	1.0	ug/L	20.0	5.43	119	53-150	6	23	
Trichloroethene	21.1	1.0	ug/L	20.0	1.66	97	64-124	13	25	
Chlorobenzene	22.0	1.0	ug/L	20.0	0.820	106	44-128	6	22	
1,1-Dichloroethene	22.9	1.0	ug/L	20.0	1.0 U	114	36-177	0.4	30	
Toluene	23.1	1.0	ug/L	20.0	1.01	110	40-161	4	23	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6G18018 - EPA 3005A										
Blank (6G18018-BLK1)				Prepared: 07/18/2006 14:47 Analyzed: 07/21/2006 13:08						
Antimony	0.0100 U	0.0100	mg/L							
Arsenic	0.0100 U	0.0100	mg/L							
Barium	0.0200 U	0.0200	mg/L							
Beryllium	0.00100 U	0.00100	mg/L							
Cadmium	0.00100 U	0.00100	mg/L							
Chromium	0.0100 U	0.0100	mg/L							
Cobalt	0.0100 U	0.0100	mg/L							
Copper	0.0100 U	0.0100	mg/L							
Lead	0.0100 U	0.0100	mg/L							
Nickel	0.0500 U	0.0500	mg/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6G18018 - EPA 3005A										
Blank (6G18018-BLK1) Continued				Prepared: 07/18/2006 14:47 Analyzed: 07/21/2006 13:08						
Selenium	0.0100 U	0.0100	mg/L							
Silver	0.0100 U	0.0100	mg/L							
Thallium	0.0100 U	0.0100	mg/L							
Vanadium	0.0100 U	0.0100	mg/L							
Zinc	0.0100 U	0.0100	mg/L							
LCS (6G18018-BS1)				Prepared: 07/18/2006 14:47 Analyzed: 07/21/2006 13:29						
Antimony	0.517	0.0100	mg/L	0.500		103	82-119		200	
Arsenic	1.02	0.0100	mg/L	1.00		102	82-117		200	
Barium	1.03	0.0200	mg/L	1.00		103	72-125		200	
Beryllium	0.517	0.00100	mg/L	0.500		103	75-121		200	
Cadmium	0.517	0.00100	mg/L	0.500		103	72-120		200	
Chromium	1.00	0.0100	mg/L	1.00		100	78-119		200	
Cobalt	0.988	0.0100	mg/L	1.00		99	76-117		200	
Copper	0.501	0.0100	mg/L	0.500		100	80-117		200	
Lead	0.979	0.0100	mg/L	1.00		98	72-121		200	
Nickel	1.03	0.0500	mg/L	1.00		103	78-116		200	
Selenium	1.04	0.0100	mg/L	1.00		104	82-127		200	
Silver	0.103	0.0100	mg/L	0.100		103	80-128		200	
Thallium	0.508	0.0100	mg/L	0.500		102	79-118		200	
Vanadium	0.496	0.0100	mg/L	0.500		99	85-115		200	
Zinc	1.00	0.0100	mg/L	1.00		100	80-120		200	
Matrix Spike (6G18018-MS1)		**Source: C602168-01**		Prepared: 07/18/2006 14:47 Analyzed: 07/21/2006 13:45						
Antimony	0.508	0.0100	mg/L	0.500	0.0100 U	102	38-138		30	
Arsenic	1.03	0.0100	mg/L	1.00	0.00410	103	64-126		12	
Barium	1.84	0.0200	mg/L	1.00	0.805	104	74-119		11	
Beryllium	0.510	0.00100	mg/L	0.500	0.00100 U	102	70-131		21	
Cadmium	0.509	0.00100	mg/L	0.500	0.00100 U	102	68-121		12	
Chromium	0.924	0.0100	mg/L	1.00	0.0100 U	92	73-120		10	
Cobalt	1.09	0.0100	mg/L	1.00	0.119	97	76-120		17	
Copper	0.502	0.0100	mg/L	0.500	0.0100 U	100	75-123		16	
Lead	0.979	0.0100	mg/L	1.00	0.00820	97	68-126		19	
Nickel	1.02	0.0500	mg/L	1.00	0.00430	102	64-126		12	
Selenium	1.05	0.0100	mg/L	1.00	0.0100 U	105	65-129		10	
Silver	0.105	0.0100	mg/L	0.100	0.00200	103	69-121		12	
Thallium	0.556	0.0100	mg/L	0.500	0.0477	102	67-135		13	
Vanadium	0.297 QM-07	0.0100	mg/L	0.500	0.0100 U	59	71-130		16	QM-07
Zinc	1.05	0.0100	mg/L	1.00	0.0782	97	63-131		24	
Matrix Spike Dup (6G18018-MSD1)		**Source: C602168-01**		Prepared: 07/18/2006 14:47 Analyzed: 07/21/2006 13:52						
Antimony	0.501	0.0100	mg/L	0.500	0.0100 U	100	38-138	1	30	
Arsenic	1.01	0.0100	mg/L	1.00	0.00410	101	64-126	2	12	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6G18018 - EPA 3005A										
Matrix Spike Dup (6G18018-MSD1) Continued		**Source: C602168-01**		Prepared: 07/18/2006 14:47 Analyzed: 07/21/2006 13:52						
Barium	1.82	0.0200	mg/L	1.00	0.805	102	74-119	1	11	
Beryllium	0.495	0.00100	mg/L	0.500	0.00100 U	99	70-131	3	21	
Cadmium	0.494	0.00100	mg/L	0.500	0.00100 U	99	68-121	3	12	
Chromium	0.900	0.0100	mg/L	1.00	0.0100 U	90	73-120	3	10	
Cobalt	1.06	0.0100	mg/L	1.00	0.119	94	76-120	3	17	
Copper	0.500	0.0100	mg/L	0.500	0.0100 U	100	75-123	0.4	16	
Lead	0.952	0.0100	mg/L	1.00	0.00820	94	68-126	3	19	
Nickel	0.994	0.0500	mg/L	1.00	0.00430	99	64-126	3	12	
Selenium	1.03	0.0100	mg/L	1.00	0.0100 U	103	65-129	2	10	
Silver	0.104	0.0100	mg/L	0.100	0.00200	102	69-121	1	12	
Thallium	0.542	0.0100	mg/L	0.500	0.0477	99	67-135	3	13	
Vanadium	0.291 QM-07	0.0100	mg/L	0.500	0.0100 U	58	71-130	2	16	QM-07
Zinc	1.01	0.0100	mg/L	1.00	0.0782	93	63-131	4	24	

NOTES AND DEFINITIONS

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
U	Analyte included in the analysis, but not detected

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

Monday, August 7, 2006

Municipal Engineering Services (MU001)

Attn: Jonathan Pfohl

P.O. Box 97

Garner, NC 27529

RE: Project Number: G05015.0, Project Name/Desc: Iredell Co. Closed LF
ENCO Workorder: C600076

Dear Jonathan Pfohl,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, February 3, 2006.

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

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Bob George For Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 42.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-4 **Lab ID:** C600076-01

Sampled: 02/02/06 08:55 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 11:16
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 03:15

Client ID: MW-3 **Lab ID:** C600076-02

Sampled: 02/02/06 09:10 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 11:24
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 03:42

Client ID: MW-3R **Lab ID:** C600076-03

Sampled: 02/02/06 09:40 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 11:31
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 04:08

Client ID: SW-1 **Lab ID:** C600076-04

Sampled: 02/02/06 10:05 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 12:03
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 04:35

Client ID: SW-2 **Lab ID:** C600076-05

Sampled: 02/02/06 10:20 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 12:40
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 05:02

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Client ID: MW-6 (MS/MSD) **Lab ID:** C600076-06

Sampled: 02/02/06 11:05 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 10:52
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 05:28

Client ID: MW-6R **Lab ID:** C600076-07

Sampled: 02/02/06 11:35 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 12:47
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 05:55

Client ID: MW-2 **Lab ID:** C600076-08

Sampled: 02/02/06 12:05 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 13:03
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 06:21

Client ID: MW-1 **Lab ID:** C600076-09

Sampled: 02/02/06 13:10 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 13:10
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 13:23

Client ID: Mental Health Center **Lab ID:** C600076-10

Sampled: 02/02/06 13:30 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 13:18
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 13:49

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Client ID: Animal Shelter **Lab ID:** C600076-11

Sampled: 02/02/06 13:40 **Received:** 02/03/06 00:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	08/01/06	02/05/06 14:28	2/8/2006 13:25
EPA 8260B	02/16/06	02/07/06 07:38	2/8/2006 14:15

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Iredell Co. Closed LF
Lab #:	C600076-01	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Iredell Co. Closed LF
Lab #:	C600076-01	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57.3	50.0	115 %	70-130
Dibromofluoromethane	1868-53-7	50.1	50.0	100 %	73-138
Toluene-d8	2037-26-5	47.8	50.0	96 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Iredell Co. Closed LF
Lab #:	C600076-01	Work Order #:	C600076
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	**0.00220**		0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Iredell Co. Closed LF
Lab #:	C600076-02	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	**42.5**	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	**5.6**	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	Iredell Co. Closed LF
Lab #:	C600076-02	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56.1	50.0	112 %	70-130
Dibromofluoromethane	1868-53-7	48.2	50.0	96 %	73-138
Toluene-d8	2037-26-5	47.8	50.0	96 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-3
Lab #: C600076-02

Project: Iredell Co. Closed LF
Work Order #: C600076
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	MW-3R	Project:	Iredell Co. Closed LF
Lab #:	C600076-03	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-3R	Project:	Iredell Co. Closed LF
Lab #:	C600076-03	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54.4	50.0	109 %	70-130
Dibromofluoromethane	1868-53-7	51.0	50.0	102 %	73-138
Toluene-d8	2037-26-5	49.1	50.0	98 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-3R	Project:	Iredell Co. Closed LF
Lab #:	C600076-03	Work Order #:	C600076
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	**0.00370**		0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	**0.0129**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	**0.0434**		0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Iredell Co. Closed LF
Lab #:	C600076-04	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5	U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5	U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5	U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5	U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5	U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5	U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15	U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25	U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5	U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5	U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5	U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5	U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5	U	5.0	5	ug/L
2-Butanone	78-93-3	100	U	100	100	ug/L
2-Hexanone	591-78-6	50	U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100	U	100	100	ug/L
Acetone	67-64-1	100	U	100	100	ug/L
Acrylonitrile	107-13-1	200	U	200	200	ug/L
Benzene	71-43-2	5	U	5.0	5	ug/L
Bromochloromethane	74-97-5	5	U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5	U	5.0	5	ug/L
Bromoform	75-25-2	5	U	5.0	5	ug/L
Bromomethane	74-83-9	10	U	5.0	10	ug/L
Carbon disulfide	75-15-0	100	U	100	100	ug/L
Carbon tetrachloride	56-23-5	10	U	10.0	10	ug/L
Chlorobenzene	108-90-7	5	U	5.0	5	ug/L
Chloroethane	75-00-3	10	U	10.0	10	ug/L
Chloroform	67-66-3	5	U	5.0	5	ug/L
Chloromethane	74-87-3	10	U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5	U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10	U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5	U	5.0	5	ug/L
Dibromomethane	74-95-3	10	U	10.0	10	ug/L
Ethylbenzene	100-41-4	5	U	5.0	5	ug/L
Iodomethane	74-88-4	10	U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5	U	5.0	5	ug/L
Methylene chloride	75-09-2	10	U	10.0	10	ug/L
o-Xylene	95-47-6	5	U	5.0	5	ug/L
Styrene	100-42-5	10	U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5	U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Iredell Co. Closed LF
Lab #:	C600076-04	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	57.3	50.0	115 %	70-130
Dibromofluoromethane	1868-53-7	52.4	50.0	105 %	73-138
Toluene-d8	2037-26-5	47.4	50.0	95 %	77-118

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	Iredell Co. Closed LF
Lab #:	C600076-04	Work Order #:	C600076
		Matrix:	Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	Iredell Co. Closed LF
Lab #:	C600076-05	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	Iredell Co. Closed LF
Lab #:	C600076-05	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Surface Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56.2	50.0	112 %	70-130
Dibromofluoromethane	1868-53-7	50.9	50.0	102 %	73-138
Toluene-d8	2037-26-5	46.0	50.0	92 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-2
Lab #: C600076-05

Project: Iredell Co. Closed LF
Work Order #: C600076
Matrix: Surface Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	MW-6 (MS/MSD)	Project:	Iredell Co. Closed LF
Lab #:	C600076-06	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	**17.5**	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	**7.9**	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5.0	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	**6.5**	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	**51.0**	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-6 (MS/MSD)	Project:	Iredell Co. Closed LF
Lab #:	C600076-06	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56.5	50.0	113 %	70-130
Dibromofluoromethane	1868-53-7	47.4	50.0	95 %	73-138
Toluene-d8	2037-26-5	48.5	50.0	97 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-6 (MS/MSD)	Project:	Iredell Co. Closed LF
Lab #:	C600076-06	Work Order #:	C600076
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	**0.976**		0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	**0.176**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	**0.0949**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	MW-6R	Project:	Iredell Co. Closed LF
Lab #:	C600076-07	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-6R	Project:	Iredell Co. Closed LF
Lab #:	C600076-07	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.1	50.0	110 %	70-130
Dibromofluoromethane	1868-53-7	52.3	50.0	105 %	73-138
Toluene-d8	2037-26-5	47.8	50.0	96 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-6R
Lab #: C600076-07

Project: Iredell Co. Closed LF
Work Order #: C600076
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Iredell Co. Closed LF
Lab #:	C600076-08	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Iredell Co. Closed LF
Lab #:	C600076-08	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.5	50.0	111 %	70-130
Dibromofluoromethane	1868-53-7	50.5	50.0	101 %	73-138
Toluene-d8	2037-26-5	48.8	50.0	98 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	Iredell Co. Closed LF
Lab #:	C600076-08	Work Order #:	C600076
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	**1.01**		0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	**0.0186**		0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	MW-1	Project:	Iredell Co. Closed LF
Lab #:	C600076-09	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	**25.2**	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	**26.6**	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-1	Project:	Iredell Co. Closed LF
Lab #:	C600076-09	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	**15.1**	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.0	50.0	98 %	70-130
Dibromofluoromethane	1868-53-7	46.7	50.0	93 %	73-138
Toluene-d8	2037-26-5	45.2	50.0	90 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-1
Lab #: C600076-09

Project: Iredell Co. Closed LF
Work Order #: C600076
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	Mental Health Center	Project:	Iredell Co. Closed LF
Lab #:	C600076-10	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	Mental Health Center	Project:	Iredell Co. Closed LF
Lab #:	C600076-10	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.5	50.0	101 %	70-130
Dibromofluoromethane	1868-53-7	49.5	50.0	99 %	73-138
Toluene-d8	2037-26-5	46.5	50.0	93 %	77-118

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ANALYTICAL REPORT

Sample ID:	Mental Health Center	Project:	Iredell Co. Closed LF
Lab #:	C600076-10	Work Order #:	C600076
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	**0.134**		0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

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ANALYTICAL REPORT

Sample ID:	Animal Shelter	Project:	Iredell Co. Closed LF
Lab #:	C600076-11	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	15.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	25.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	5.0	5	ug/L
2-Butanone	78-93-3	100 U	100	100	ug/L
2-Hexanone	591-78-6	50 U	50.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	100	100	ug/L
Acetone	67-64-1	100 U	100	100	ug/L
Acrylonitrile	107-13-1	200 U	200	200	ug/L
Benzene	71-43-2	5 U	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	5.0	5	ug/L
Bromoform	75-25-2	5 U	5.0	5	ug/L
Bromomethane	74-83-9	10 U	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U	100	100	ug/L
Carbon tetrachloride	56-23-5	10 U	10.0	10	ug/L
Chlorobenzene	108-90-7	5 U	5.0	5	ug/L
Chloroethane	75-00-3	10 U	10.0	10	ug/L
Chloroform	67-66-3	5 U	5.0	5	ug/L
Chloromethane	74-87-3	10 U	10.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	10.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	5.0	5	ug/L
Dibromomethane	74-95-3	10 U	10.0	10	ug/L
Ethylbenzene	100-41-4	5 U	5.0	5	ug/L
Iodomethane	74-88-4	10 U	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	5.0	5	ug/L
Methylene chloride	75-09-2	10 U	10.0	10	ug/L
o-Xylene	95-47-6	5 U	5.0	5	ug/L
Styrene	100-42-5	10 U	10.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	5.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	Animal Shelter	Project:	Iredell Co. Closed LF
Lab #:	C600076-11	Work Order #:	C600076
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/08/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6B07002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	5.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	5.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	10.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	100	100	ug/L
Trichloroethene	79-01-6	5 U	5.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	5.0	5	ug/L
Vinyl acetate	108-05-4	50 U	50.0	50	ug/L
Vinyl chloride	75-01-4	10 U	10.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54.2	50.0	108 %	70-130
Dibromofluoromethane	1868-53-7	50.8	50.0	102 %	73-138
Toluene-d8	2037-26-5	45.9	50.0	92 %	77-118

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ANALYTICAL REPORT

Sample ID:	Animal Shelter	Project:	Iredell Co. Closed LF
Lab #:	C600076-11	Work Order #:	C600076
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.03	U	0.0300	0.03	mg/L	EPA 6010B	EPA 3005A	6B05002
Arsenic	7440-38-2	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Barium	7440-39-3	0.5	U	0.500	0.5	mg/L	EPA 6010B	EPA 3005A	6B05002
Beryllium	7440-41-7	0.002	U	0.00200	0.002	mg/L	EPA 6010B	EPA 3005A	6B05002
Cadmium	7440-43-9	0.001	U	0.00100	0.001	mg/L	EPA 6010B	EPA 3005A	6B05002
Chromium	7440-47-3	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Cobalt	7440-48-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Copper	7440-50-8	0.2	U	0.200	0.2	mg/L	EPA 6010B	EPA 3005A	6B05002
Lead	7439-92-1	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Nickel	7440-02-0	0.05	U	0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002
Selenium	7782-49-2	0.02	U	0.0200	0.02	mg/L	EPA 6010B	EPA 3005A	6B05002
Silver	7440-22-4	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Thallium	7440-28-0	0.01	U	0.0100	0.01	mg/L	EPA 6010B	EPA 3005A	6B05002
Vanadium	7440-62-2	0.04	U	0.0400	0.04	mg/L	EPA 6010B	EPA 3005A	6B05002
Zinc	7440-66-6	**0.163**		0.0500	0.05	mg/L	EPA 6010B	EPA 3005A	6B05002

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 6B07002 - EPA 5030B_MS

Blank (6B07002-BLK1) Prepared: 02/07/2006 07:38 Analyzed: 02/07/2006 20:37

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

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6B07002 - EPA 5030B_MS										
Blank (6B07002-BLK1) Continued				Prepared: 02/07/2006 07:38 Analyzed: 02/07/2006 20:37						
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50.0*		*100*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*55.7*		*ug/L*	*50.0*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*50.7*		*ug/L*	*50.0*		*101*	*73-138*			
LCS (6B07002-BS1)				Prepared: 02/07/2006 07:38 Analyzed: 02/08/2006 01:28						
Benzene	22.1	1.0	ug/L	20.0		110	69-115			
Trichloroethene	19.1	1.0	ug/L	20.0		96	74-118			
Chlorobenzene	21.3	1.0	ug/L	20.0		106	76-118			
1,1-Dichloroethene	17.4	1.0	ug/L	20.0		87	0-200			
Toluene	19.9	1.0	ug/L	20.0		100	77-117			
Surrogate: Toluene-d8	*49.1*		*ug/L*	*50.0*		*98*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*62.3*		*ug/L*	*50.0*		*125*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.0*		*100*	*73-138*			
Matrix Spike (6B07002-MS1)		**Source: C600076-06**		Prepared: 02/07/2006 07:38 Analyzed: 02/08/2006 01:55						
Benzene	29.5	1.0	ug/L	20.0	6.46	115	53-150			
Trichloroethene	23.0	1.0	ug/L	20.0	4.03	95	64-124			
Chlorobenzene	22.6	1.0	ug/L	20.0	1.05	108	44-128			
1,1-Dichloroethene	18.2	1.0	ug/L	20.0	1.0 U	91	36-177			
Toluene	20.0	1.0	ug/L	20.0	1.0 U	100	40-161			
Surrogate: Toluene-d8	*48.7*		*ug/L*	*50.0*		*97*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*60.3*		*ug/L*	*50.0*		*121*	*70-130*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.0*		*96*	*73-138*			
Matrix Spike Dup (6B07002-MSD1)		**Source: C600076-06**		Prepared: 02/07/2006 07:38 Analyzed: 02/08/2006 02:22						
Benzene	29.7	1.0	ug/L	20.0	6.46	116	53-150	0.7	23	
Trichloroethene	23.5	1.0	ug/L	20.0	4.03	97	64-124	2	25	
Chlorobenzene	21.8	1.0	ug/L	20.0	1.05	104	44-128	4	22	
1,1-Dichloroethene	18.8	1.0	ug/L	20.0	1.0 U	94	36-177	3	30	
Toluene	19.9	1.0	ug/L	20.0	1.0 U	100	40-161	0.5	23	
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.0*		*97*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*58.8*		*ug/L*	*50.0*		*118*	*70-130*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50.0*		*98*	*73-138*			

Metals by EPA 6000/7000 Series Methods - Quality Control

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6B05002 - EPA 3005A										
Blank (6B05002-BLK1)				Prepared: 02/05/2006 14:28 Analyzed: 02/08/2006 10:36						
Antimony	0.0100 U	0.0100	mg/L							
Arsenic	0.0100 U	0.0100	mg/L							
Barium	0.0200 U	0.0200	mg/L							
Beryllium	0.00100 U	0.00100	mg/L							
Cadmium	0.00100 U	0.00100	mg/L							
Chromium	0.0100 U	0.0100	mg/L							
Cobalt	0.0100 U	0.0100	mg/L							
Copper	0.0100 U	0.0100	mg/L							
Lead	0.0100 U	0.0100	mg/L							
Nickel	0.0500 U	0.0500	mg/L							
Selenium	0.0100 U	0.0100	mg/L							
Silver	0.0100 U	0.0100	mg/L							
Thallium	0.0100 U	0.0100	mg/L							
Vanadium	0.0100 U	0.0100	mg/L							
Zinc	0.0100 U	0.0100	mg/L							
LCS (6B05002-BS1)				Prepared: 02/05/2006 14:28 Analyzed: 02/08/2006 10:43						
Antimony	0.551	0.0100	mg/L	0.500		110	82-119			
Arsenic	1.13	0.0100	mg/L	1.00		113	82-117			
Barium	1.12	0.0200	mg/L	1.00		112	72-125			
Beryllium	0.567	0.00100	mg/L	0.500		113	75-121			
Cadmium	0.578	0.00100	mg/L	0.500		116	72-120			
Chromium	1.09	0.0100	mg/L	1.00		109	78-119			
Cobalt	1.06	0.0100	mg/L	1.00		106	76-117			
Copper	0.548	0.0100	mg/L	0.500		110	80-117			
Lead	1.07	0.0100	mg/L	1.00		107	72-121			
Nickel	1.12	0.0500	mg/L	1.00		112	78-116			
Selenium	1.12	0.0100	mg/L	1.00		112	82-127			
Silver	0.107	0.0100	mg/L	0.100		107	80-128			
Thallium	0.552	0.0100	mg/L	0.500		110	79-118			
Vanadium	0.540	0.0100	mg/L	0.500		108	91-110			
Zinc	1.12	0.0100	mg/L	1.00		112	80-120			
Matrix Spike (6B05002-MS1)		**Source: C600076-06**		Prepared: 02/05/2006 14:28 Analyzed: 02/08/2006 11:00						
Antimony	0.529	0.0100	mg/L	0.500	0.0100 U	106	38-138			
Arsenic	1.11	0.0100	mg/L	1.00	0.0100 U	111	64-126			
Barium	2.02	0.0200	mg/L	1.00	0.976	104	74-119			
Beryllium	0.543	0.00100	mg/L	0.500	0.00100 U	109	70-131			
Cadmium	0.555	0.00100	mg/L	0.500	0.00100 U	111	68-121			
Chromium	0.964	0.0100	mg/L	1.00	0.0100 U	96	73-120			
Cobalt	1.17	0.0100	mg/L	1.00	0.176	99	76-120			
Copper	0.529	0.0100	mg/L	0.500	0.0100 U	106	75-123			

QUALITY CONTROL

Analyte	Result		MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control											
Batch 6B05002 - EPA 3005A											
Matrix Spike (6B05002-MS1) Continued			**Source: C600076-06**		Prepared: 02/05/2006 14:28 Analyzed: 02/08/2006 11:00						
Lead	1.03		0.0100	mg/L	1.00	0.00330	103	68-126			
Nickel	1.09		0.0500	mg/L	1.00	0.00330	109	64-126			
Selenium	1.12		0.0100	mg/L	1.00	0.0103	111	65-129			
Silver	0.104		0.0100	mg/L	0.100	0.0100 U	104	69-121			
Thallium	0.627		0.0100	mg/L	0.500	0.0949	106	67-135			
Vanadium	0.270	QM-05	0.0100	mg/L	0.500	0.0100 U	54	71-130			QM-05
Zinc	1.07		0.0100	mg/L	1.00	0.0282	104	63-131			
Matrix Spike Dup (6B05002-MSD1)			**Source: C600076-06**		Prepared: 02/05/2006 14:28 Analyzed: 02/08/2006 11:07						
Antimony	0.528		0.0100	mg/L	0.500	0.0100 U	106	38-138	0.2	30	
Arsenic	1.10		0.0100	mg/L	1.00	0.0100 U	110	64-126	0.9	12	
Barium	2.07		0.0200	mg/L	1.00	0.976	109	74-119	2	11	
Beryllium	0.539		0.00100	mg/L	0.500	0.00100 U	108	70-131	0.7	21	
Cadmium	0.547		0.00100	mg/L	0.500	0.00100 U	109	68-121	1	12	
Chromium	0.953		0.0100	mg/L	1.00	0.0100 U	95	73-120	1	10	
Cobalt	1.16		0.0100	mg/L	1.00	0.176	98	76-120	0.9	17	
Copper	0.537		0.0100	mg/L	0.500	0.0100 U	107	75-123	2	16	
Lead	1.01		0.0100	mg/L	1.00	0.00330	101	68-126	2	19	
Nickel	1.08		0.0500	mg/L	1.00	0.00330	108	64-126	0.9	12	
Selenium	1.12		0.0100	mg/L	1.00	0.0103	111	65-129	0	10	
Silver	0.104		0.0100	mg/L	0.100	0.0100 U	104	69-121	0	12	
Thallium	0.619		0.0100	mg/L	0.500	0.0949	105	67-135	1	13	
Vanadium	0.274	QM-05	0.0100	mg/L	0.500	0.0100 U	55	71-130	1	16	QM-05
Zinc	1.05		0.0100	mg/L	1.00	0.0282	102	63-131	2	24	

NOTES AND DEFINITIONS

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
U	Analyte included in the analysis, but not detected