Resolve Environmental Services, PLLC

410 East Franklin Street,
Monroe, NC 28112 (704) 289-5881

March 19, 2009

Mr. Mark Poindexter
North Carolina Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

RECEIVED
MAR 23 2009
SOLID WASTE SECTION

Re: ***First Semi-Annual 2009 Ground Water Monitoring Event***
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
Resolve Project No 765.10

Dear Mr. Poindexter:

Please find the attached First Semi-Annual 2009 Ground Water Monitoring Report conducted at the Warren County Closed Sanitary Landfill in February 2009. Please call if you have any questions or require any additional information at (704) 289-5881.

Sincerely,
Resolve Environmental Services, PLLC

Laura Minor
Operations Manager

Resolve Environmental Services, PLLC

410 East Franklin Street,
Monroe, NC 28112 (704) 289-5881

RECEIVED
MAR 23 2009
DPLOS
WASTE SECTION

March 19, 2009

Mr. Marshall Brothers
Warren County Solid Waste Department
559 Baltimore Road
Warrenton, North Carolina 27589

Re: ***First Semi-Annual 2009 Ground Water Monitoring Event***
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
Resolve Project No 765.10

Dear Mr. Brothers:

Resolve Environmental Services, PLLC (Resolve) respectfully presents the methods and results of the first semi-annual 2009 ground water monitoring event conducted at the Warren County Closed Sanitary Landfill (CSL) located in Warrenton, North Carolina (**Figure 1**). The ground water monitoring activities were conducted in general accordance with North Carolina Department of Environment and Natural Resources (NCDENR), Division of Solid Waste Management guidelines.

Ground water Sampling and Analysis

On February 25, 2009, Resolve personnel collected ground water samples from on-site monitoring wells MW-1A, MW-2, MW-3, and MW-4. Additionally, three surface water samples, designated as SW-1, SW-2 and SW-3, were collected from a tributary of the Possumquarter Creek that bounds the landfill to the north. Please note that the power remains unconnected to the wellhead on the nearby water supply well (WS-1) located on the adjacent residential property to the northwest. Therefore, the well could not be sampled. Sampling locations are provided on **Figure 2**.

Prior to collecting ground water samples from the monitoring wells, water levels were measured in each well from the top of the well casing. Based on the water level, Resolve personnel calculated the volume of standing water in each monitoring well. Subsequent to gauging, each well was purged of at least three well volumes or until bailed dry using a clean, dedicated Teflon™ bailer. As generated, the purge water was discharged to the ground surface at the respective wellheads. The surface water samples were collected using grab sample techniques. For quality control purposes, one equipment blank was collected prior to the initiation of ground water sampling activities by passing distilled water provided by the laboratory through a clean, Teflon™ bailer. Additionally, one trip blank was provided by the laboratory and accompanied the samples throughout the sampling event. All collected samples were placed directly into laboratory supplied glassware and placed on ice for transport to a North Carolina certified laboratory for analyses.

The collected ground water and surface water samples were analyzed for the presence of Appendix I volatile organic compounds (VOCs) by EPA Method 8260 and Appendix I metals by EPA Methods 6010 and 7470, as required by the NCDENR. The equipment blank and trip blank were analyzed for Appendix I VOCs by EPA Method 8260. The samples were analyzed by Pace Laboratories, Inc. (Pace) of Charlotte, North Carolina. Pace is a North Carolina certified laboratory.

During well purging and prior to sample collection, field parameters including temperature, pH, and specific conductance were measured in each monitoring well using calibrated field instrumentation.

The ground water and surface water sample collection, handling and storage were conducted in accordance with accepted protocol, including appropriate chain-of-custody documentation.

Results

Depth-to-water measurements and field parameters are summarized in **Table 1**. The ground water and surface water analytical results are summarized in **Table 2**. Ag round water and surface water quality map based upon results of the February 25, 2009 sampling event presented as **Figure 3**. A copy of the laboratory analytical report is attached as **Appendix A**.

Concentrations of benzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, barium, beryllium, chromium, cobalt, copper, lead, mercury nickel, vanadium and zinc were detected in the ground water sample collected from MW-1A. Only the concentration of benzene (1.2 micrograms per liter µg/L) exceeded the North Carolina ground water quality standards (NCGWQS) established in T15A NCAC 2L.0202. Currently, there are no NCGWQS for beryllium, cobalt, copper, mercury or vanadium; their respective, detectable concentrations in MW-1A of 3.5 µg/L, 6.8 µg/L, 20.5 µg/L, 0.21 µg/L and 29.1 µg/L are reportable.

Concentrations of benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, cis-1,2-dichloroethene, diethyl ether, barium, cobalt and zinc were detected in the ground water sample collected from MW-2. at concentrations of 1.5 µg/L, 1.7 µg/L, 9.7 µg/L, 5.4 µg/L, 10.2 µg/L, 28.4 µg/L, 136 µg/L, 131 µg/L and 13.5 µg/L, respectively. Only the concentration of benzene (1.5 µg/L) exceeded the NCGWQS. Currently, there are no NCGWQS for chloroethane, diethyl ether or cobalt; their respective, detectable concentrations in MW-2 of 9.7 µg/L, 28.4 µg/L, 131 µg/L and 13.5 µg/L are reportable.

1,1-dichloroethane, cis-1,2-dichloroethene, diethyl ether, tetrahydrofuran and barium were detected in the ground water sample collected from MW-3. None of the concentrations exceeded the established NCGWQS. None of the detectable concentrations of 1.1 µg/L, 3.8 µg/L, and 60.5 µg/L, respectively. None of the concentrations exceeded the applicable NCGWQS. Currently, there are no NCGWQS for diethyl ether and tetrahydrofuran; their respective, detectable concentrations in MW-3 of 9.6 µg/L and 20.9 µg/L are reportable.

Concentrations of barium, chromium, nickel, vanadium and zinc were detected in the ground water sample from MW-4. None of the concentrations exceeded the established NCGWQS. Currently, there are no NCGWQS for copper and vanadium; their respective, detectable concentrations in MW-4 of 8.8 µg/L and 4.4 µg/L are reportable.

Detectable concentrations of barium and zinc were reported in surface water sample SW-1 at concentrations of 45.9 µg/L and 14.7 µg/L, respectively. Neither of the concentrations exceeded the NCGWQS.

Detectable concentrations of barium and thallium were reported in surface water sample SW-2 at concentrations of 39.3 µg/L and 5.8 µg/L, respectively. The concentration of barium was below the NCGWQS. There is no current NCGWQS for thallium. The concentration of thallium is reportable.

Detectable concentrations of barium and cobalt were reported in surface water sample SW-3 at concentrations of 41.6 µg/L and 8.8 µg/L, respectively. The concentration of barium was below the NCGWQS. There is no current NCGWQS for cobalt. The concentration of cobalt is reportable.

No detectable concentrations of VOCs were reported in the samples collected from MW-4, SW-1 SW-2, SW-3, the trip blank or the equipment blank.

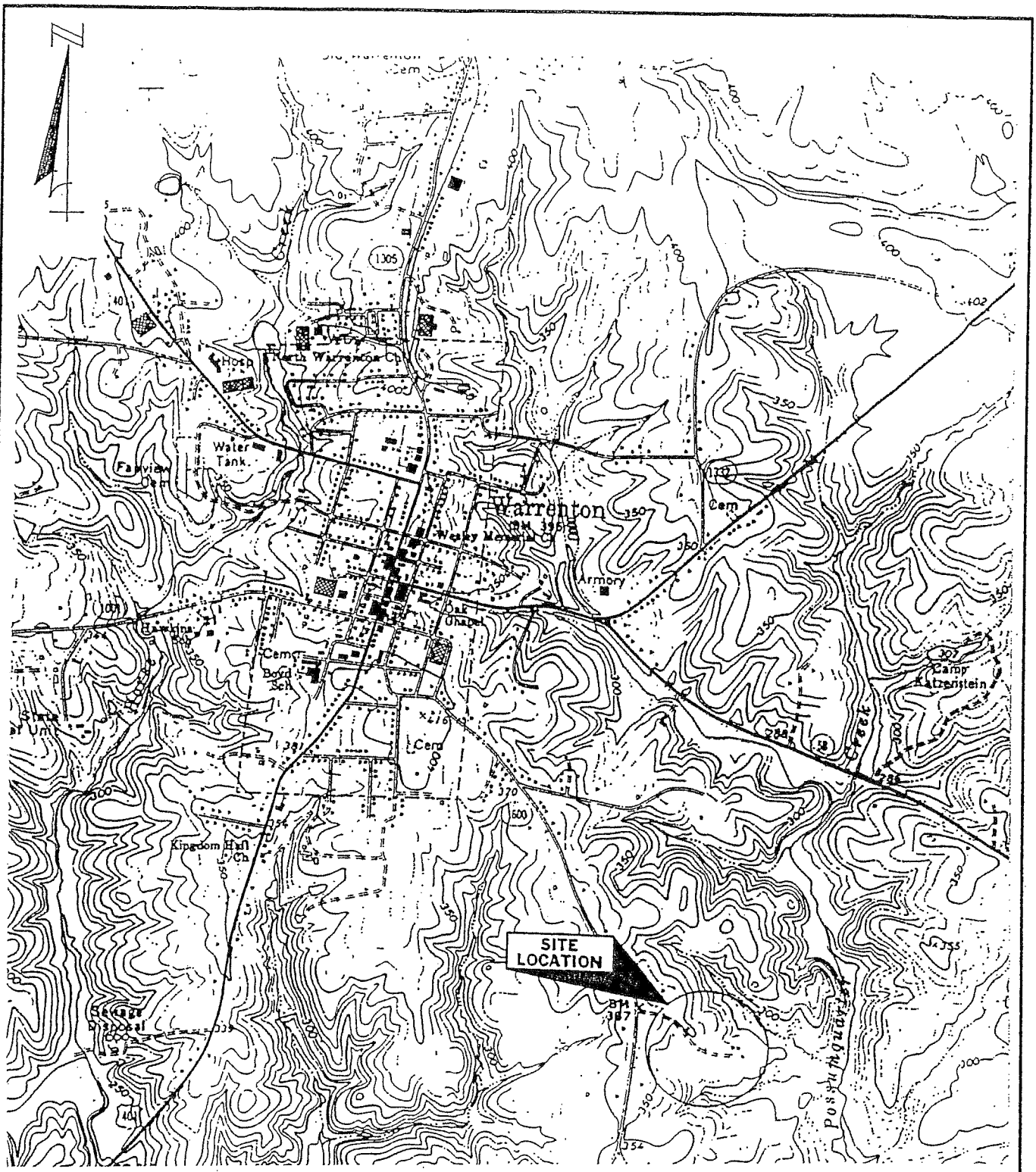
The second semi-annual sampling event will be conducted in August 2009. Please call if you have any questions or require any additional information at (704) 289-5881.

Sincerely,
Resolve Environmental Services, PLLC

Laura Minor
Project Manager

Terry D. Kennedy, P.G.

FIGURES



SOURCE: WARRENTON (1970) QUADRANGLE
NORTH CAROLINA–WARREN COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)

0 2000
SCALE IN FEET

WARREN COUNTY LANDFILL WARRENTON, NORTH CAROLINA	FIGURE 1. SITE LOCATION MAP	RESOLVE ENVIRONMENTAL SERVICES, P.A. MONROE, NORTH CAROLINA

TABLES

Table 1
Monitoring Well Gauging and Field Parameter Data
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
February 25, 2009

Sample Location	Total Well Depth (feet)	Depth to Water (feet)	Temperature (C)	pH	Specific Conductance (μmhos)	Volume Purged (gals)
MW-1A	41.93	33.82	16	5.4	0.12	3.00
MW-2	15.75	6.53	13	5.9	0.52	Bailed Dry @ 4.00
MW-3	28.83	5.41	13	5.7	0.20	10.75
MW-4	23.07	3.47	13	5.8	0.31	Bailed Dry @ 6.75

Notes:

- Gauging and field parameters collected on February 25, 2009 by Resolve personnel.
- All measurements relative to the top of well casing.

Table 2
Summary of Laboratory Analytical Results
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
February 25, 2009

		Ground water Samples (µg/L)				Surface Water Samples (µg/L)				Field Blanks	
Constituents	NCGQS	MW-1A	MW-2	MW-3	MW-4	SW-1	SW-2	SW-3	WS-1	Trip Blank	Equipment Blank
Appendix I VOCs											
Benzene	1	**1.2**	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	NR	<1.0	<1.0
Chlorobenzene	50	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	NR	<1.0	<1.0
Chloroethane	NS	<1.0	**9.7**	<1.0	<1.0	<1.0	<1.0	<1.0	NR	<1.0	<1.0
1,4-Dichlorobenzene	75	2.2	5.4	<1.0	<1.0	<1.0	<1.0	<1.0	NR	<1.0	<1.0
1,1-Dichloroethane	700	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	NR	<1.0	<1.0
cis-1,2-Dichloroethene	70	2.5	10.2	3.8	<1.0	<1.0	<1.0	<1.0	NR	<1.0	<1.0
Diethyl ether	NS	<1.0	**28.4**	**9.6**	<1.0	<1.0	<1.0	<1.0	NR	<1.0	<1.0
Tetrahydrofuran	NS	<10.0	<10.0	**20.9**	<10.0	<10.0	<10.0	<10.0	NR	<10.0	<10.0
Appendix I Metals											
Antimony	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	NR
Barium	2,000	114	136	60.5	92.2	45.9	39.3	41.6	NR	NR	NR
Beryllium	NS	**3.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NR	NR	NR
Cadmium	1.75	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NR	NR	NR
Chromium	50	8.1	<5.0	<5.0	7.9	<5.0	<5.0	<5.0	NR	NR	NR
Cobalt	NS	**6.8**	**131**	<5.0	<5.0	<5.0	<5.0	**8.8**	NR	NR	NR
Copper	NS	**20.5**	<5.0	<5.0	**8.8**	<5.0	<5.0	<5.0	NR	NR	NR
Lead	15	14.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NR	NR	NR
Mercury	NS	**0.21**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NR	NR	NR
Nickel	100	7.5	<5.0	<5.0	10.0	<5.0	<5.0	<5.0	NR	NR	NR
Selenium	NS	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NR	NR	NR
Thallium	NS	<5.4	<5.4	<5.4	<5.4	<5.4	**5.8**	<5.4	NR	NR	NR
Vanadium	NS	**29.1**	<5.0	<5.0	**6.4**	<5.0	<5.0	<5.0	NR	NR	NR
Zinc	2,100	39.9	13.5	<10.0	10.6	14.7	<10.0	<10.0	NR	NR	NR

Notes:

- Results presented in micrograms per liter (µg /L).
- Ground water samples and surface water samples were collected by Resolve personnel on February 25, 2009 and analyzed by Pace Analytical Services of Huntersville, North Carolina.
- NCGQS = North Carolina Ground Water Quality Standards presented at North Carolina Administrative Code Title 15A Subchapter 2L .0202.
- NR = Not requested; well could not be sampled or analysis was not requested .
- NS = No standard; background levels.
- Concentrations in boldface exceed the NCGQS.

APPENDIX A

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 10, 2009

Ms. Laura Minor
Resolve Environmental Services
410 E. Franklin Street
Monroe, NC 28112

RE: Project: Warren County LF
Pace Project No.: 9238882

Dear Ms. Minor:
Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Erin L. Waters

Erin Waters

erin.waters@pacelabs.com
Project Manager

Enclosures

cc: Ms. Laura Minor, Resolve Environmental Services

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Pace Analytical Services, Inc.
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(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Warren County LF
Pace Project No.: 9238882

Charlotte Certification IDs

West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
Connecticut Certification #: PH-0104
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
North Carolina Wastewater Certification #: 12

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424
North Carolina Drinking Water Certification #: 37738

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-1A **Lab ID: 9238882001** Collected: 02/25/09 13:22 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-38-2	
Barium	**114**	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-39-3	
Beryllium	**3.5**	ug/L	1.0	1	03/03/09 10:30	03/03/09 19:58	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/03/09 10:30	03/03/09 19:58	7440-43-9	
Chromium	**8.1**	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-47-3	
Cobalt	**6.8**	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-48-4	
Copper	**20.5**	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-50-8	
Lead	**14.8**	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7439-92-1	
Nickel	**7.5**	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/03/09 10:30	03/03/09 19:58	7782-49-2	
Silver	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/03/09 10:30	03/03/09 19:58	7440-28-0	
Vanadium	**29.1**	ug/L	5.0	1	03/03/09 10:30	03/03/09 19:58	7440-62-2	
Zinc	**39.9**	ug/L	10.0	1	03/03/09 10:30	03/03/09 19:58	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.21**	ug/L	0.20	1	03/05/09 11:40	03/10/09 12:08	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 17:15	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 17:15	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 17:15	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 17:15	107-05-1	
Benzene	**1.2**	ug/L	1.0	1		03/06/09 17:15	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 17:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 17:15	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 17:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 17:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 17:15	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 17:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 17:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 17:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 17:15	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 17:15	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 17:15	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 17:15	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 17:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 17:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 17:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 17:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 17:15	95-50-1	
1,4-Dichlorobenzene	**2.2**	ug/L	1.0	1		03/06/09 17:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 17:15	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 17:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 17:15	107-06-2	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-1A **Lab ID: 9238882001** Collected: 02/25/09 13:22 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	**2.5**	ug/L	1.0	1		03/06/09 17:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 17:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 17:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 17:15	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 17:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 17:15	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/06/09 17:15	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 17:15	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 17:15	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 17:15	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 17:15	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 17:15	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 17:15	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 17:15	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 17:15	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 17:15	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 17:15	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 17:15	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 17:15	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 17:15	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 17:15	107-12-0	
Styrene	ND	ug/L	1.0	1		03/06/09 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 17:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 17:15	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 17:15	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 17:15	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 17:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 17:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 17:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 17:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 17:15	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 17:15	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 17:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 17:15	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 17:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 17:15	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 17:15	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		03/06/09 17:15	460-00-4	
Dibromofluoromethane (S)	110	%	85-115	1		03/06/09 17:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	79-120	1		03/06/09 17:15	17060-07-0	
Toluene-d8 (S)	103	%	70-120	1		03/06/09 17:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-2 **Lab ID: 9238882002** Collected: 02/25/09 12:31 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-38-2	
Barium	**136**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/03/09 10:30	03/03/09 20:02	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/03/09 10:30	03/03/09 20:02	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-47-3	
Cobalt	**131**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-48-4	
Copper	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-50-8	
Lead	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/03/09 10:30	03/03/09 20:02	7782-49-2	
Silver	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/03/09 10:30	03/03/09 20:02	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:02	7440-62-2	
Zinc	**13.5**	ug/L	10.0	1	03/03/09 10:30	03/03/09 20:02	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/05/09 11:40	03/10/09 12:11	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 17:38	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 17:38	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 17:38	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 17:38	107-05-1	
Benzene	**1.5**	ug/L	1.0	1		03/06/09 17:38	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 17:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 17:38	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 17:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 17:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 17:38	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 17:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 17:38	56-23-5	
Chlorobenzene	**1.7**	ug/L	1.0	1		03/06/09 17:38	108-90-7	
Chloroethane	**9.7**	ug/L	1.0	1		03/06/09 17:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 17:38	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 17:38	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 17:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 17:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 17:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 17:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 17:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 17:38	95-50-1	
1,4-Dichlorobenzene	**5.4**	ug/L	1.0	1		03/06/09 17:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 17:38	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 17:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 17:38	107-06-2	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-2 **Lab ID: 9238882002** Collected: 02/25/09 12:31 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	**10.2**	ug/L	1.0	1		03/06/09 17:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 17:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 17:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 17:38	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 17:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 17:38	10061-02-6	
Diethyl ether (Ethyl ether)	**28.4**	ug/L	1.0	1		03/06/09 17:38	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 17:38	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 17:38	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 17:38	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 17:38	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 17:38	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 17:38	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 17:38	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 17:38	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 17:38	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 17:38	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 17:38	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 17:38	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 17:38	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 17:38	107-12-0	
Styrene	ND	ug/L	1.0	1		03/06/09 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 17:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 17:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 17:38	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 17:38	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 17:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 17:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 17:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 17:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 17:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 17:38	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 17:38	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 17:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 17:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 17:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 17:38	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 17:38	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		03/06/09 17:38	460-00-4	
Dibromofluoromethane (S)	108	%	85-115	1		03/06/09 17:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	79-120	1		03/06/09 17:38	17060-07-0	
Toluene-d8 (S)	103	%	70-120	1		03/06/09 17:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-3 **Lab ID: 9238882003** Collected: 02/25/09 11:57 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-38-2	
Barium	**60.5**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/03/09 10:30	03/03/09 20:06	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/03/09 10:30	03/03/09 20:06	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-48-4	
Copper	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-50-8	
Lead	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/03/09 10:30	03/03/09 20:06	7782-49-2	
Silver	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/03/09 10:30	03/03/09 20:06	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:06	7440-62-2	
Zinc	ND	ug/L	10.0	1	03/03/09 10:30	03/03/09 20:06	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/05/09 11:40	03/10/09 12:18	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 18:02	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 18:02	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 18:02	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 18:02	107-05-1	
Benzene	ND	ug/L	1.0	1		03/06/09 18:02	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 18:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 18:02	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 18:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 18:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 18:02	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 18:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 18:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 18:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 18:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 18:02	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 18:02	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 18:02	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 18:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 18:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 18:02	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 18:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 18:02	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 18:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 18:02	110-57-6	
1,1-Dichloroethane	**1.9**	ug/L	1.0	1		03/06/09 18:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 18:02	107-06-2	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-3 **Lab ID: 9238882003** Collected: 02/25/09 11:57 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	**3.8**	ug/L	1.0	1		03/06/09 18:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 18:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 18:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 18:02	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 18:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 18:02	10061-02-6	
Diethyl ether (Ethyl ether)	**9.6**	ug/L	1.0	1		03/06/09 18:02	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 18:02	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 18:02	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 18:02	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 18:02	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 18:02	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 18:02	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 18:02	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 18:02	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 18:02	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 18:02	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 18:02	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 18:02	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 18:02	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 18:02	107-12-0	
Styrene	ND	ug/L	1.0	1		03/06/09 18:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 18:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 18:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 18:02	127-18-4	
Tetrahydrofuran	**20.9**	ug/L	10.0	1		03/06/09 18:02	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 18:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 18:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 18:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 18:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 18:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 18:02	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 18:02	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 18:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 18:02	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 18:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 18:02	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 18:02	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		03/06/09 18:02	460-00-4	
Dibromofluoromethane (S)	108	%	85-115	1		03/06/09 18:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	79-120	1		03/06/09 18:02	17060-07-0	
Toluene-d8 (S)	104	%	70-120	1		03/06/09 18:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-4 **Lab ID: 9238882004** Collected: 02/25/09 11:01 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-38-2	
Barium	**92.2**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/03/09 10:30	03/03/09 20:20	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/03/09 10:30	03/03/09 20:20	7440-43-9	
Chromium	**7.9**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-48-4	
Copper	**8.8**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-50-8	
Lead	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7439-92-1	
Nickel	**10.0**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/03/09 10:30	03/03/09 20:20	7782-49-2	
Silver	ND	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/03/09 10:30	03/03/09 20:20	7440-28-0	
Vanadium	**6.4**	ug/L	5.0	1	03/03/09 10:30	03/03/09 20:20	7440-62-2	
Zinc	**10.6**	ug/L	10.0	1	03/03/09 10:30	03/03/09 20:20	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/05/09 11:40	03/10/09 12:21	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 18:25	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 18:25	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 18:25	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 18:25	107-05-1	
Benzene	ND	ug/L	1.0	1		03/06/09 18:25	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 18:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 18:25	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 18:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 18:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 18:25	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 18:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 18:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 18:25	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 18:25	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 18:25	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 18:25	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 18:25	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 18:25	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 18:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 18:25	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 18:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 18:25	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 18:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 18:25	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 18:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 18:25	107-06-2	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: MW-4 **Lab ID: 9238882004** Collected: 02/25/09 11:01 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 18:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 18:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 18:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 18:25	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 18:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 18:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/06/09 18:25	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 18:25	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 18:25	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 18:25	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 18:25	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 18:25	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 18:25	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 18:25	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 18:25	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 18:25	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 18:25	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 18:25	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 18:25	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 18:25	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 18:25	107-12-0	
Styrene	ND	ug/L	1.0	1		03/06/09 18:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 18:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 18:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 18:25	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 18:25	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 18:25	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 18:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 18:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 18:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 18:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 18:25	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 18:25	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 18:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 18:25	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 18:25	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 18:25	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 18:25	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		03/06/09 18:25	460-00-4	
Dibromofluoromethane (S)	109	%	85-115	1		03/06/09 18:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	79-120	1		03/06/09 18:25	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		03/06/09 18:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: SW-1 **Lab ID: 9238882005** Collected: 02/25/09 12:49 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-38-2	
Barium	**45.9**	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/09/09 09:45	03/09/09 23:11	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/09/09 09:45	03/09/09 23:11	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-48-4	
Copper	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-50-8	
Lead	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/09/09 09:45	03/09/09 23:11	7782-49-2	
Silver	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/09/09 09:45	03/09/09 23:11	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:11	7440-62-2	
Zinc	**14.7**	ug/L	10.0	1	03/09/09 09:45	03/09/09 23:11	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/05/09 11:40	03/10/09 12:23	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 18:49	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 18:49	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 18:49	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 18:49	107-05-1	
Benzene	ND	ug/L	1.0	1		03/06/09 18:49	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 18:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 18:49	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 18:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 18:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 18:49	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 18:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 18:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 18:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 18:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 18:49	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 18:49	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 18:49	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 18:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 18:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 18:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 18:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 18:49	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 18:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 18:49	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 18:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 18:49	107-06-2	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: SW-1 **Lab ID: 9238882005** Collected: 02/25/09 12:49 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 18:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 18:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 18:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 18:49	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 18:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 18:49	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/06/09 18:49	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 18:49	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 18:49	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 18:49	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 18:49	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 18:49	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 18:49	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 18:49	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 18:49	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 18:49	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 18:49	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 18:49	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 18:49	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 18:49	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 18:49	107-12-0	
Styrene	ND	ug/L	1.0	1		03/06/09 18:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 18:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 18:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 18:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 18:49	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 18:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 18:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 18:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 18:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 18:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 18:49	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 18:49	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 18:49	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 18:49	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 18:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 18:49	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 18:49	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		03/06/09 18:49	460-00-4	
Dibromofluoromethane (S)	112	%	85-115	1		03/06/09 18:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	116	%	79-120	1		03/06/09 18:49	17060-07-0	
Toluene-d8 (S)	104	%	70-120	1		03/06/09 18:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: SW-2 **Lab ID: 9238882006** Collected: 02/25/09 12:10 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-38-2	
Barium	**39.3**	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/09/09 09:45	03/09/09 23:19	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/09/09 09:45	03/09/09 23:19	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-48-4	
Copper	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-50-8	
Lead	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/09/09 09:45	03/09/09 23:19	7782-49-2	
Silver	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-22-4	
Thallium	**5.8**	ug/L	5.4	1	03/09/09 09:45	03/09/09 23:19	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:19	7440-62-2	
Zinc	ND	ug/L	10.0	1	03/09/09 09:45	03/09/09 23:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/05/09 11:40	03/10/09 12:26	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 19:13	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 19:13	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 19:13	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 19:13	107-05-1	
Benzene	ND	ug/L	1.0	1		03/06/09 19:13	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 19:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 19:13	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 19:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 19:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 19:13	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 19:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 19:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 19:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 19:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 19:13	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 19:13	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 19:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 19:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 19:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 19:13	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 19:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 19:13	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 19:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 19:13	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 19:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 19:13	107-06-2	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: SW-2 **Lab ID: 9238882006** Collected: 02/25/09 12:10 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 19:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 19:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 19:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 19:13	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 19:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 19:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/06/09 19:13	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 19:13	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 19:13	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 19:13	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 19:13	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 19:13	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 19:13	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 19:13	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 19:13	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 19:13	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 19:13	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 19:13	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 19:13	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 19:13	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 19:13	107-12-0	
Styrene	ND	ug/L	1.0	1		03/06/09 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 19:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 19:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 19:13	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 19:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 19:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 19:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 19:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 19:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 19:13	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 19:13	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 19:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 19:13	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 19:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 19:13	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 19:13	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		03/06/09 19:13	460-00-4	
Dibromofluoromethane (S)	112	%	85-115	1		03/06/09 19:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	115	%	79-120	1		03/06/09 19:13	17060-07-0	
Toluene-d8 (S)	104	%	70-120	1		03/06/09 19:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: SW-3 **Lab ID: 9238882007** Collected: 02/25/09 11:20 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-38-2	
Barium	**41.6**	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/09/09 09:45	03/09/09 23:26	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/09/09 09:45	03/09/09 23:26	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-47-3	
Cobalt	**8.8**	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-48-4	
Copper	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-50-8	
Lead	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/09/09 09:45	03/09/09 23:26	7782-49-2	
Silver	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/09/09 09:45	03/09/09 23:26	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/09/09 09:45	03/09/09 23:26	7440-62-2	
Zinc	ND	ug/L	10.0	1	03/09/09 09:45	03/09/09 23:26	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/05/09 11:40	03/10/09 12:28	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 19:37	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 19:37	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 19:37	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 19:37	107-05-1	
Benzene	ND	ug/L	1.0	1		03/06/09 19:37	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 19:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 19:37	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 19:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 19:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 19:37	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 19:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 19:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 19:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 19:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 19:37	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 19:37	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 19:37	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 19:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 19:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 19:37	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 19:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 19:37	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 19:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 19:37	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 19:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 19:37	107-06-2	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: SW-3 **Lab ID: 9238882007** Collected: 02/25/09 11:20 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 19:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 19:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 19:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 19:37	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 19:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 19:37	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/06/09 19:37	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 19:37	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 19:37	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 19:37	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 19:37	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 19:37	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 19:37	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 19:37	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 19:37	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 19:37	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 19:37	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 19:37	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 19:37	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 19:37	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 19:37	107-12-0	
Styrene	ND	ug/L	1.0	1		03/06/09 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 19:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 19:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 19:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 19:37	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 19:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 19:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 19:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 19:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 19:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 19:37	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 19:37	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 19:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 19:37	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 19:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 19:37	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 19:37	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		03/06/09 19:37	460-00-4	
Dibromofluoromethane (S)	110	%	85-115	1		03/06/09 19:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	115	%	79-120	1		03/06/09 19:37	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		03/06/09 19:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: TRIP BLANK **Lab ID: 9238882008** Collected: 02/25/09 00:00 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 16:27	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 16:27	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 16:27	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 16:27	107-05-1	
Benzene	ND	ug/L	1.0	1		03/06/09 16:27	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 16:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 16:27	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 16:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 16:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 16:27	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 16:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 16:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 16:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 16:27	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 16:27	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 16:27	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 16:27	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 16:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 16:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 16:27	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 16:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 16:27	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 16:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 16:27	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 16:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 16:27	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 16:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 16:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 16:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 16:27	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 16:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 16:27	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/06/09 16:27	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 16:27	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 16:27	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 16:27	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 16:27	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 16:27	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 16:27	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 16:27	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 16:27	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 16:27	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 16:27	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 16:27	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 16:27	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 16:27	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 16:27	107-12-0	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: TRIP BLANK **Lab ID: 9238882008** Collected: 02/25/09 00:00 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Styrene	ND	ug/L	1.0	1		03/06/09 16:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 16:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 16:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 16:27	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 16:27	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 16:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 16:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 16:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 16:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 16:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 16:27	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 16:27	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 16:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 16:27	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 16:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 16:27	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 16:27	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		03/06/09 16:27	460-00-4	
Dibromofluoromethane (S)	107	%	85-115	1		03/06/09 16:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	79-120	1		03/06/09 16:27	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		03/06/09 16:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: EQUIPMENT BLANK **Lab ID: 9238882009** Collected: 02/25/09 10:43 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/06/09 16:51	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/06/09 16:51	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/06/09 16:51	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/06/09 16:51	107-05-1	
Benzene	ND	ug/L	1.0	1		03/06/09 16:51	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/06/09 16:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/06/09 16:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/06/09 16:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/09 16:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/06/09 16:51	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/06/09 16:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/06/09 16:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/06/09 16:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/06/09 16:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/06/09 16:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/06/09 16:51	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/06/09 16:51	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/06/09 16:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/06/09 16:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/06/09 16:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/06/09 16:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 16:51	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/06/09 16:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/06/09 16:51	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/06/09 16:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/06/09 16:51	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 16:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/06/09 16:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/06/09 16:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/06/09 16:51	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 16:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/06/09 16:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/06/09 16:51	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/06/09 16:51	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/06/09 16:51	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/06/09 16:51	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/06/09 16:51	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/06/09 16:51	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/06/09 16:51	74-88-4	
Isobutanol	ND	ug/L	100	1		03/06/09 16:51	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/06/09 16:51	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/06/09 16:51	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/06/09 16:51	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/06/09 16:51	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/06/09 16:51	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/06/09 16:51	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/06/09 16:51	107-12-0	

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ANALYTICAL RESULTS

Project: Warren County LF
Pace Project No.: 9238882

Sample: EQUIPMENT BLANK **Lab ID: 9238882009** Collected: 02/25/09 10:43 Received: 02/26/09 17:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Styrene	ND	ug/L	1.0	1		03/06/09 16:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 16:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/06/09 16:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/06/09 16:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/06/09 16:51	109-99-9	
Toluene	ND	ug/L	1.0	1		03/06/09 16:51	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/06/09 16:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/06/09 16:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/06/09 16:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/06/09 16:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/06/09 16:51	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/06/09 16:51	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/06/09 16:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/06/09 16:51	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/06/09 16:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/06/09 16:51	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/06/09 16:51	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		03/06/09 16:51	460-00-4	
Dibromofluoromethane (S)	109	%	85-115	1		03/06/09 16:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	79-120	1		03/06/09 16:51	17060-07-0	
Toluene-d8 (S)	103	%	70-120	1		03/06/09 16:51	2037-26-5	

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

QC Batch: MPRP/3927 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9238882005, 9238882006, 9238882007

METHOD BLANK: 246800 — Matrix: Water
Associated Lab Samples: 9238882005, 9238882006, 9238882007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	03/09/09 23:04	
Arsenic	ug/L	ND	5.0	03/09/09 23:04	
Barium	ug/L	ND	5.0	03/09/09 23:04	
Beryllium	ug/L	ND	1.0	03/09/09 23:04	
Cadmium	ug/L	ND	1.0	03/09/09 23:04	
Chromium	ug/L	ND	5.0	03/09/09 23:04	
Cobalt	ug/L	ND	5.0	03/09/09 23:04	
Copper	ug/L	ND	5.0	03/09/09 23:04	
Lead	ug/L	ND	5.0	03/09/09 23:04	
Nickel	ug/L	ND	5.0	03/09/09 23:04	
Selenium	ug/L	ND	10.0	03/09/09 23:04	
Silver	ug/L	ND	5.0	03/09/09 23:04	
Thallium	ug/L	ND	5.4	03/09/09 23:04	
Vanadium	ug/L	ND	5.0	03/09/09 23:04	
Zinc	ug/L	ND	10.0	03/09/09 23:04	

LABORATORY CONTROL SAMPLE: 246801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	428	86	80-120	
Arsenic	ug/L	500	422	84	80-120	
Barium	ug/L	500	421	84	80-120	
Beryllium	ug/L	500	453	91	80-120	
Cadmium	ug/L	500	431	86	80-120	
Chromium	ug/L	500	430	86	80-120	
Cobalt	ug/L	500	426	85	80-120	
Copper	ug/L	500	422	84	80-120	
Lead	ug/L	500	430	86	80-120	
Nickel	ug/L	500	433	87	80-120	
Selenium	ug/L	500	419	84	80-120	
Silver	ug/L	250	215	86	80-120	
Thallium	ug/L	500	412	82	80-120	
Vanadium	ug/L	500	427	85	80-120	
Zinc	ug/L	500	429	86	80-120	

MATRIX SPIKE SAMPLE: 246802

Parameter	Units	9238882005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	428	85	75-125	
Arsenic	ug/L	ND	500	425	85	75-125	

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

MATRIX SPIKE SAMPLE: 246802

Parameter	Units	9238882005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	45.9	500	459	83	75-125	
Beryllium	ug/L	ND	500	450	90	75-125	
Cadmium	ug/L	ND	500	424	85	75-125	
Chromium	ug/L	ND	500	423	85	75-125	
Cobalt	ug/L	ND	500	420	84	75-125	
Copper	ug/L	ND	500	422	84	75-125	
Lead	ug/L	ND	500	417	83	75-125	
Nickel	ug/L	ND	500	422	84	75-125	
Selenium	ug/L	ND	500	423	84	75-125	
Silver	ug/L	ND	250	213	85	75-125	
Thallium	ug/L	ND	500	407	81	75-125	
Vanadium	ug/L	ND	500	423	85	75-125	
Zinc	ug/L	14.7	500	440	85	75-125	

SAMPLE DUPLICATE: 246803

Parameter	Units	9238882006 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	39.3	38.1	3	
Beryllium	ug/L	ND	ND		
Cadmium	ug/L	ND	ND		
Chromium	ug/L	ND	.56J		
Cobalt	ug/L	ND	1.8J		
Copper	ug/L	ND	ND		
Lead	ug/L	ND	ND		
Nickel	ug/L	ND	ND		
Selenium	ug/L	ND	ND		
Silver	ug/L	ND	ND		
Thallium	ug/L	5.8	ND		
Vanadium	ug/L	ND	1.3J		
Zinc	ug/L	ND	5.4J		

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

QC Batch: MSV/6325 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9238882001, 9238882002, 9238882003, 9238882004, 9238882005, 9238882006, 9238882007, 9238882008, 9238882009

METHOD BLANK: 246159 Matrix: Water
Associated Lab Samples: 9238882001, 9238882002, 9238882003, 9238882004, 9238882005, 9238882006, 9238882007, 9238882008, 9238882009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/06/09 16:04	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/06/09 16:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/06/09 16:04	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/06/09 16:04	
1,1-Dichloroethane	ug/L	ND	1.0	03/06/09 16:04	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/06/09 16:04	
1,2,3-Trimethylbenzene	ug/L	ND	1.0	03/06/09 16:04	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	03/06/09 16:04	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/06/09 16:04	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/06/09 16:04	
1,2-Dichloroethane	ug/L	ND	1.0	03/06/09 16:04	
1,2-Dichloropropane	ug/L	ND	1.0	03/06/09 16:04	
1,3-Dichloropropane	ug/L	ND	1.0	03/06/09 16:04	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/06/09 16:04	
2-Butanone (MEK)	ug/L	ND	5.0	03/06/09 16:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	03/06/09 16:04	
Acetone	ug/L	ND	25.0	03/06/09 16:04	
Acrolein	ug/L	ND	10.0	03/06/09 16:04	
Acrylonitrile	ug/L	ND	10.0	03/06/09 16:04	
Allyl chloride	ug/L	ND	2.0	03/06/09 16:04	
Benzene	ug/L	ND	1.0	03/06/09 16:04	
Bromochloromethane	ug/L	ND	1.0	03/06/09 16:04	
Bromodichloromethane	ug/L	ND	1.0	03/06/09 16:04	
Bromoform	ug/L	ND	1.0	03/06/09 16:04	
Bromomethane	ug/L	ND	5.0	03/06/09 16:04	
Carbon disulfide	ug/L	ND	2.0	03/06/09 16:04	
Carbon tetrachloride	ug/L	ND	1.0	03/06/09 16:04	
Chlorobenzene	ug/L	ND	1.0	03/06/09 16:04	
Chloroethane	ug/L	ND	1.0	03/06/09 16:04	
Chloroform	ug/L	ND	1.0	03/06/09 16:04	
Chloromethane	ug/L	ND	1.0	03/06/09 16:04	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/06/09 16:04	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/06/09 16:04	
Cyclohexane	ug/L	ND	1.0	03/06/09 16:04	
Dibromochloromethane	ug/L	ND	1.0	03/06/09 16:04	
Dibromomethane	ug/L	ND	1.0	03/06/09 16:04	
Diethyl ether (Ethyl ether)	ug/L	ND	1.0	03/06/09 16:04	
Diisopropyl ether	ug/L	ND	1.0	03/06/09 16:04	
Ethyl acetate	ug/L	ND	20.0	03/06/09 16:04	
Ethyl methacrylate	ug/L	ND	1.0	03/06/09 16:04	
Ethylbenzene	ug/L	ND	1.0	03/06/09 16:04	

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

METHOD BLANK: 246159 Matrix: Water

Associated Lab Samples: 9238882001, 9238882002, 9238882003, 9238882004, 9238882005, 9238882006, 9238882007, 9238882008, 9238882009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iodomethane	ug/L	ND	5.0	03/06/09 16:04	
Isobutanol	ug/L	ND	100	03/06/09 16:04	
m&p-Xylene	ug/L	ND	2.0	03/06/09 16:04	
Methacrylonitrile	ug/L	ND	10.0	03/06/09 16:04	
Methyl acetate	ug/L	ND	10.0	03/06/09 16:04	
Methyl methacrylate	ug/L	ND	2.0	03/06/09 16:04	
Methylcyclohexane	ug/L	ND	10.0	03/06/09 16:04	
Methylene Chloride	ug/L	ND	2.0	03/06/09 16:04	
n-Hexane	ug/L	ND	1.0	03/06/09 16:04	
o-Xylene	ug/L	ND	1.0	03/06/09 16:04	
Propionitrile	ug/L	ND	20.0	03/06/09 16:04	
Styrene	ug/L	ND	1.0	03/06/09 16:04	
Tetrachloroethene	ug/L	ND	1.0	03/06/09 16:04	
Tetrahydrofuran	ug/L	ND	10.0	03/06/09 16:04	
Toluene	ug/L	ND	1.0	03/06/09 16:04	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/06/09 16:04	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/06/09 16:04	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	03/06/09 16:04	
Trichloroethene	ug/L	ND	1.0	03/06/09 16:04	
Trichlorofluoromethane	ug/L	ND	1.0	03/06/09 16:04	
Vinyl acetate	ug/L	ND	2.0	03/06/09 16:04	
Vinyl chloride	ug/L	ND	1.0	03/06/09 16:04	
Xylene (Total)	ug/L	ND	2.0	03/06/09 16:04	
1,2-Dichloroethane-d4 (S)	%	109	79-120	03/06/09 16:04	
4-Bromofluorobenzene (S)	%	99	87-109	03/06/09 16:04	
Dibromofluoromethane (S)	%	106	85-115	03/06/09 16:04	
Toluene-d8 (S)	%	103	70-120	03/06/09 16:04	

LABORATORY CONTROL SAMPLE: 246160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.1	104	83-125	
1,1,1-Trichloroethane	ug/L	50	56.6	113	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	42.9	86	73-127	
1,1,2-Trichloroethane	ug/L	50	48.1	96	77-123	
1,1-Dichloroethane	ug/L	50	52.5	105	76-129	
1,2,3-Trichloropropane	ug/L	50	47.6	95	72-125	
1,2,3-Trimethylbenzene	ug/L	50	51.8	104	68-127	
1,2-Dibromo-3-chloropropane	ug/L	50	43.0	86	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	81-125	
1,2-Dichlorobenzene	ug/L	50	48.5	97	82-126	
1,2-Dichloroethane	ug/L	50	51.6	103	72-126	
1,2-Dichloropropane	ug/L	50	48.7	97	80-127	
1,3-Dichloropropane	ug/L	50	47.5	95	79-124	

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

LABORATORY CONTROL SAMPLE: 246160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	51.6	103	79-125	
2-Butanone (MEK)	ug/L	100	90.7	91	50-134	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.9	95	70-131	
Acetone	ug/L	100	93.7	94	50-146	
Acrolein	ug/L	250	208	83	55-143	
Acrylonitrile	ug/L	250	223	89	66-124	
Allyl chloride	ug/L	50	44.1	88	73-141	
Benzene	ug/L	50	49.9	100	78-128	
Bromochloromethane	ug/L	50	48.1	96	73-124	
Bromodichloromethane	ug/L	50	50.9	102	81-125	
Bromoform	ug/L	50	51.6	103	71-125	
Bromomethane	ug/L	50	69.0	138	50-150	
Carbon disulfide	ug/L	50	50.4	101	54-150	
Carbon tetrachloride	ug/L	50	56.2	112	81-137	
Chlorobenzene	ug/L	50	46.4	93	82-126	
Chloroethane	ug/L	50	58.7	117	69-140	
Chloroform	ug/L	50	52.0	104	77-129	
Chloromethane	ug/L	50	47.2	94	54-139	
cis-1,2-Dichloroethene	ug/L	50	50.3	101	76-133	
cis-1,3-Dichloropropene	ug/L	50	50.5	101	76-127	
Cyclohexane	ug/L	50	47.7	95	50-150	
Dibromochloromethane	ug/L	50	49.0	98	77-125	
Dibromomethane	ug/L	50	48.2	96	77-125	
Diethyl ether (Ethyl ether)	ug/L	50	48.9	98	50-150	
Diisopropyl ether	ug/L	50	48.2	96	74-131	
Ethyl acetate	ug/L	100	74.7	75	50-150	
Ethyl methacrylate	ug/L	50	41.9	84	73-129	
Ethylbenzene	ug/L	50	51.6	103	80-127	
Iodomethane	ug/L	100	107	107	65-172	
Isobutanol	ug/L	1000	877	88	50-150	
m&p-Xylene	ug/L	100	107	107	82-127	
Methacrylonitrile	ug/L	500	461	92	70-128	
Methyl acetate	ug/L	50	38.3	77	50-150	
Methyl methacrylate	ug/L	50	47.1	94	79-122	
Methylcyclohexane	ug/L	50	51.8	104	50-150	
Methylene Chloride	ug/L	50	43.4	87	67-133	
n-Hexane	ug/L	50	46.9	94	50-150	
o-Xylene	ug/L	50	51.6	103	83-124	
Propionitrile	ug/L	500	458	92	65-129	
Styrene	ug/L	50	53.9	108	80-130	
Tetrachloroethene	ug/L	50	52.9	106	78-128	
Tetrahydrofuran	ug/L	500	436	87	59-130	
Toluene	ug/L	50	49.2	98	76-126	
trans-1,2-Dichloroethene	ug/L	50	48.3	97	78-134	
trans-1,3-Dichloropropene	ug/L	50	51.1	102	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	43.4	87	51-140	
Trichloroethene	ug/L	50	50.8	102	79-127	
Trichlorofluoromethane	ug/L	50	59.0	118	76-148	

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

LABORATORY CONTROL SAMPLE: 246160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl acetate	ug/L	100	89.3	89	50-150	
Vinyl chloride	ug/L	50	49.7	99	67-143	
Xylene (Total)	ug/L	150	159	106	83-125	
1,2-Dichloroethane-d4 (S)	%			98	79-120	
4-Bromofluorobenzene (S)	%			98	87-109	
Dibromofluoromethane (S)	%			100	85-115	
Toluene-d8 (S)	%			98	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 246161 246162

Parameter	Units	9238882001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	1.2	50	50	57.2	59.1	112	116	74-136	3	
Chlorobenzene	ug/L	ND	50	50	55.3	59.4	111	119	79-135	7	
Toluene	ug/L	ND	50	50	59.5	60.5	119	121	73-131	2	
Trichloroethene	ug/L	ND	50	50	56.5	58.3	112	116	73-131	3	
1,2-Dichloroethane-d4 (S)	%						105	106	79-120		
4-Bromofluorobenzene (S)	%						100	97	87-109		
Dibromofluoromethane (S)	%						101	101	85-115		
Toluene-d8 (S)	%						100	96	70-120		

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

QC Batch: MPRP/3910 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9238882001, 9238882002, 9238882003, 9238882004

METHOD BLANK: 244007 — Matrix: Water
Associated Lab Samples: 9238882001, 9238882002, 9238882003, 9238882004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	03/03/09 18:24	
Arsenic	ug/L	ND	5.0	03/03/09 18:24	
Barium	ug/L	ND	5.0	03/03/09 18:24	
Beryllium	ug/L	ND	1.0	03/03/09 18:24	
Cadmium	ug/L	ND	1.0	03/03/09 18:24	
Chromium	ug/L	ND	5.0	03/03/09 18:24	
Cobalt	ug/L	ND	5.0	03/03/09 18:24	
Copper	ug/L	ND	5.0	03/03/09 18:24	
Lead	ug/L	ND	5.0	03/03/09 18:24	
Nickel	ug/L	ND	5.0	03/03/09 18:24	
Selenium	ug/L	ND	10.0	03/03/09 18:24	
Silver	ug/L	ND	5.0	03/03/09 18:24	
Thallium	ug/L	ND	5.4	03/03/09 18:24	
Vanadium	ug/L	ND	5.0	03/03/09 18:24	
Zinc	ug/L	ND	10.0	03/03/09 18:24	

LABORATORY CONTROL SAMPLE: 244008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	465	93	80-120	
Arsenic	ug/L	500	461	92	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	478	96	80-120	
Cadmium	ug/L	500	461	92	80-120	
Chromium	ug/L	500	459	92	80-120	
Cobalt	ug/L	500	460	92	80-120	
Copper	ug/L	500	479	96	80-120	
Lead	ug/L	500	468	94	80-120	
Nickel	ug/L	500	463	93	80-120	
Selenium	ug/L	500	453	91	80-120	
Silver	ug/L	250	225	90	80-120	
Thallium	ug/L	500	441	88	80-120	
Vanadium	ug/L	500	461	92	80-120	
Zinc	ug/L	500	456	91	80-120	

MATRIX SPIKE SAMPLE: 244009

Parameter	Units	9238955012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	474	95	75-125	
Arsenic	ug/L	ND	500	473	94	75-125	

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

MATRIX SPIKE SAMPLE: 244009

Parameter	Units	9238955012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	67.1J	500	547	96	75-125	
Beryllium	ug/L	0.19J	500	487	97	75-125	
Cadmium	ug/L	ND	500	465	93	75-125	
Chromium	ug/L	0.97J	500	466	93	75-125	
Cobalt	ug/L	21.5	500	487	93	75-125	
Copper	ug/L	2.1J	500	486	97	75-125	
Lead	ug/L	ND	500	466	93	75-125	
Nickel	ug/L	4.4J	500	469	93	75-125	
Selenium	ug/L	ND	500	474	94	75-125	
Silver	ug/L	ND	250	228	91	75-125	
Thallium	ug/L	3.6J	500	446	88	75-125	
Vanadium	ug/L	5.0J	500	473	94	75-125	
Zinc	ug/L	15.3	500	472	91	75-125	

SAMPLE DUPLICATE: 244010

Parameter	Units	9238955013 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	177	172	3	
Beryllium	ug/L	ND	ND		
Cadmium	ug/L	ND	ND		
Chromium	ug/L	ND	ND		
Cobalt	ug/L	70.4	68.2	3	
Copper	ug/L	5.6J	5.2	7	
Lead	ug/L	ND	ND		
Nickel	ug/L	4.6J	4.2J		
Selenium	ug/L	ND	ND		
Silver	ug/L	ND	ND		
Thallium	ug/L	5.2J	ND		
Vanadium	ug/L	1.9J	1.8J		
Zinc	ug/L	72.2	70.1	3	

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QUALITY CONTROL DATA

Project: Warren County LF
Pace Project No.: 9238882

QC Batch: MERP/2005 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 9238882001, 9238882002, 9238882003, 9238882004, 9238882005, 9238882006, 9238882007

METHOD BLANK: 244620 — Matrix: Water
Associated Lab Samples: 9238882001, 9238882002, 9238882003, 9238882004, 9238882005, 9238882006, 9238882007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/10/09 11:18	

LABORATORY CONTROL SAMPLE: 244621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.8	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244622 244623

Parameter	Units	9238753002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	0.202	2.5	2.5	2.0	2.0	76	76	75-125	0	

SAMPLE DUPLICATE: 244624

Parameter	Units	9238753003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	0.202	ND		

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QUALIFIERS

Project: Warren County LF
Pace Project No.: 9238882

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1178671

Section A Required Client Information:

Company: Resolve
Address: 10 E. Franklin St.
Chapel Hill NC 28112
Email To: resolve@carolina.rr.com
Phone: 919 929 5551 Fax: 704 292 2110
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Resolve
Copy To: Laura Minor
Purchase Order No.:
Project Name: Warren County Landfill
Project Number:

Section C Invoice Information:

Attention: Laura Minor
Company Name: Resolve
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 1423-1

REGULATORY AGENCY: ☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 8260 Appendix I VOC	Analysis Test (Y/N): Appendix I Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9238882
MW-1A	WT	G			2/25/09	1322		4			1	3					X	X		001
MW-2						1231		4			1	3					X	X		002
MW-3						1157		4			1	3					X	X		003
MW-4						1101		4			1	3					X	X		004
SW-1						1249		4			1	3					X	X		005
SW-2						1210		4			1	3					X	X		006
SW-3						1120		4			1	3					X	X		007
Trip Blank								2									X			008
Equipment Blank						1043		2				2					X			009

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
WARRENTON	[illegible] / Resolve	2/25/09	1730	[illegible] Ball Reserve	2/25/09	1730
WARREN CO., NC	[illegible] / Resolve	2/26/09	1726	S Moore	2-26	1720

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4.1	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Laura Minor

Pace Analytical

Client Name: Resolve Project # 9238882

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Optional
Proj. Due Date: N/A
Proj. Name: N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used T060 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 4.1 Biological Tissue is Frozen: Yes No (N/A)

Date and Initials of person examining contents: 02/26/09

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): N/A		

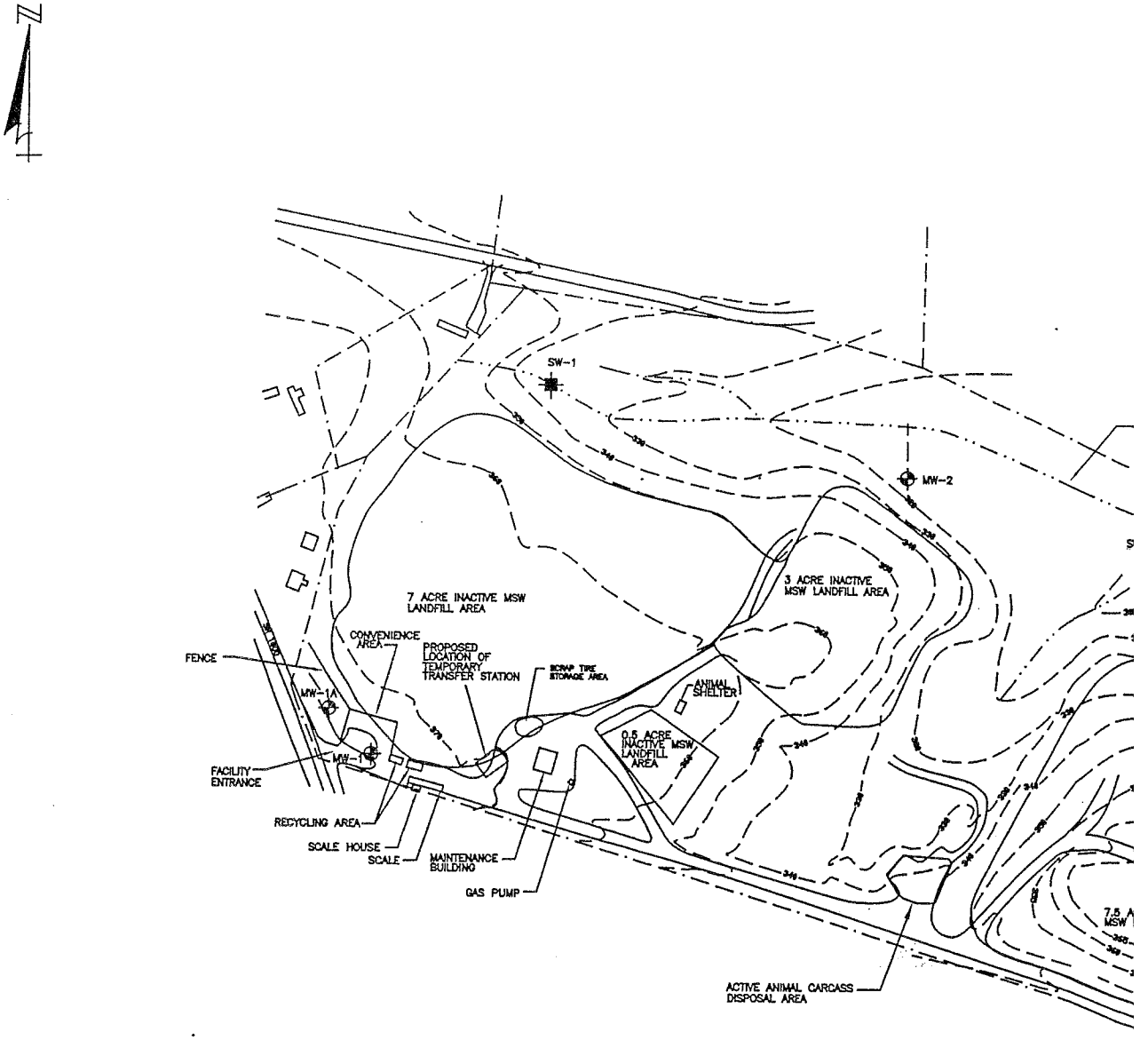
Client Notification/ Resolution: Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RLS Date: 2/27/09

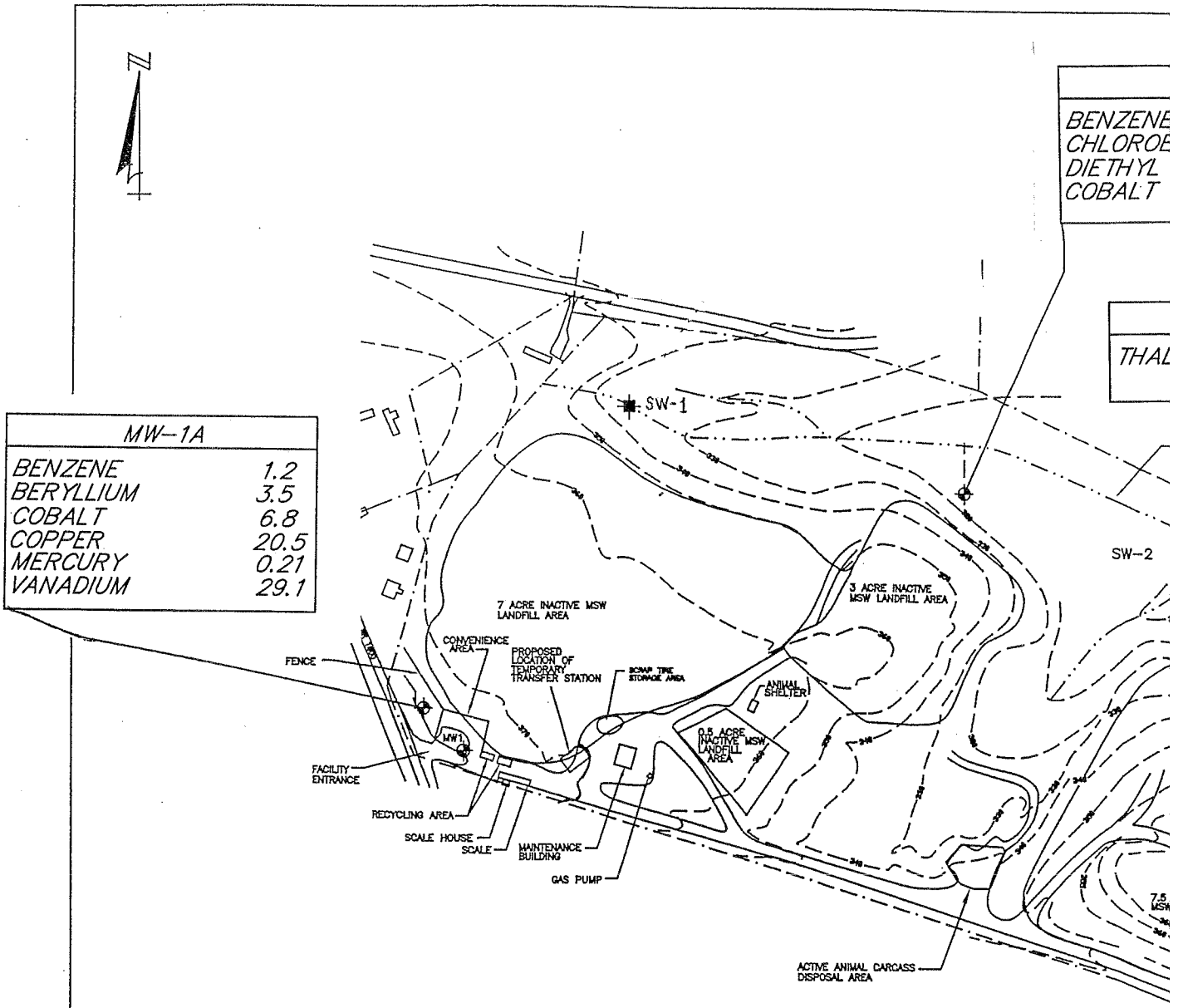
Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR



LEGEND

- EXISTING SURFACE WATER MONITORING LOCATION
- EXISTING MONITORING WELL LOCATION
- EXISTING CONTOURS
- LIMIT OF WASTE
- PROPERTY LINE

SOURCE: HAZEN AND SAWYER ENVIRONMENTAL ENGINEERS AND SCIENTISTS



LEGEND

- EXISTING SURFACE WATER MONITORING LOCATION
- EXISTING MONITORING WELL LOCATION
- EXISTING CONTOURS
- LIMIT OF WASTE
- PROPERTY LINE

NOTES:

1. ALL GROUND WATER SAMPLES WERE COLLECTE BY RESOLVE PERSONNEL ON FEBRUARY 25, 20 AND ANALYZED BY PACE ANALTYCAL SERVICES HUNTERSVILLE, NORTH CAROLINA.
2. RESULTS REPORTED IN MICROGRAMS PER LITER
3. ONLY THOSE COMPOUNDS DETECTED AT OR AB THE NCGWQSs HAVE BEEN INCLUDED ON THE M
4. ANALYSES FOR APPENDIX I VOCs BY METHOD
5. ANALYSES FOR APPENDIX I METALS BY METHO

SOURCE: HAZEN AND SAWYER ENVIRONMENTAL ENGINEERS AND SCIENTISTS