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Resolve Environmental Services, PLLC

410 East Franklin Street
Monroe, North Carolina 28112
(704) 289-5881 – Phone
(704) 292-2910 - Fax

RECEIVED
MAY 30 2008
SOLID WASTE SECTION

May 29, 2008

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

Reference: First Semi-Annual 2008 Ground Water Monitoring
Warren County closed Sanitary Landfill
Warrenton, N.C.

Dear Mr. Poindexter:

Enclosed is the Report for the First Semi-Annual 2008 ground water monitoring report presenting the results for the Warren County Closed Landfill.

If you require additional information or have questions concerning this project, please contact me at (704) 289-5881.

Sincerely,

Resolve Environmental Services, PLLC

W. Scott Ball /jb

W. Scott Ball
Principal

Resolve Environmental Services, PLLC

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

April 3, 2008

RECEIVED
MAY 30 2008
SOLID WASTE SECTION

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

Re: ***First Semi-Annual 2008 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 submits the methods and results of the first semi-annual 2008 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 27, 2008, Resolve personnel collected ground water samples from existing 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. Resolve personnel attempted to sample water supply well WS-1 located on the adjacent residential property to the northwest. No power was available at the wellhead and therefore no sample was obtained. 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 SW-846 Method 8260 and Appendix I metals by EPA Method 6010 and 7470, as required by the NCDENR. The equipment blank and trip blank were analyzed for Appendix I VOCs by SW-846 Method 8260. The samples were analyzed by Pace Laboratories, Inc. (Pace) of Charlotte, North Carolina. Pace is a North Carolina certified laboratory.

During sample collection, field parameters including temperature, pH, and specific conductance were measured. Prior to initiating the sampling activities, the field instruments were calibrated for pH using a buffer solution of 4.0 pH.

The ground water and surface water sample collection, handling and storage were conducted in accordance with accepted protocol, including 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**. The ground water and surface water sampling points and the associated analytical results are also presented in **Figure 3**. A copy of the laboratory analytical report is attached as **Appendix A**.

Benzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene were detected in the ground water sample collected from MW-1A at concentrations of 1.7 micrograms per liter (µg/L), 1.9 µg/L and 3.0 µg/L, respectively. Only the concentration of benzene exceeded the North Carolina ground water quality standards (NCGWQS).

Benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, cis-1,2-dichloroethene, diethyl ether, barium, cobalt and zinc were detected in the sample collected from MW-2 at concentrations of 1.6 µg/L, 1.9 µg/L, 7.3 µg/L, 4.7 µg/L, 9.9 µg/L, and 21.7 µg/L, 133 µg/L, 44.7 µg/L, and 25.2 respectively. Only the concentrations of benzene, chloroethane and diethyl ether exceeded the NCGWQS. Currently there are no NCGWQS for chloroethane and diethyl ether and any detectable concentration is reportable.

Chloroethane, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-Dichloroethene and diethyl ether, Tetrahydrofuran, and barium were detected in the ground water sample collected from MW-3 at concentrations of 1.2 µg/L, 1.1 µg/L, 2.4 µg/L, 5.5 µg/L, 9.9 µg/L, 27.0 µg/L and 64.7 µg/L respectively. The concentrations of chloroethane and tetrahydrofuran are reportable since no standard for these compounds has been established by NCGWQS.

Detectable concentrations of barium, chromium copper, nickel, vanadium and zinc were reported in the sample form MW-4 at concentrations of 125 µg/L, 22.5 µg/L, 21.1 µg/L 21.3 µg/L, 18.7 µg/L and 35.6 µg/L, respectively. None of the concentrations exceeded the NCGWQS.

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

Based upon the collected data, concentrations of benzene exceed the NCGWQS in MW-1A and MW-2.

We anticipate conducting the next semi-annual monitoring event at this landfill in August, 2008.

Please call if you have any questions or require any additional information at (704) 289-5881.

Sincerely,

Resolve Environmental Services, PLLC

W. Scott Ball /jb

W. Scott, Ball, Environmental Scientist
Principal

NORTH CAROLINA LICENSED SEAL 1435 GEOLOGIST TERRY D. KENNEDY

Terry D. Kennedy, P.G.
Principal

Figures

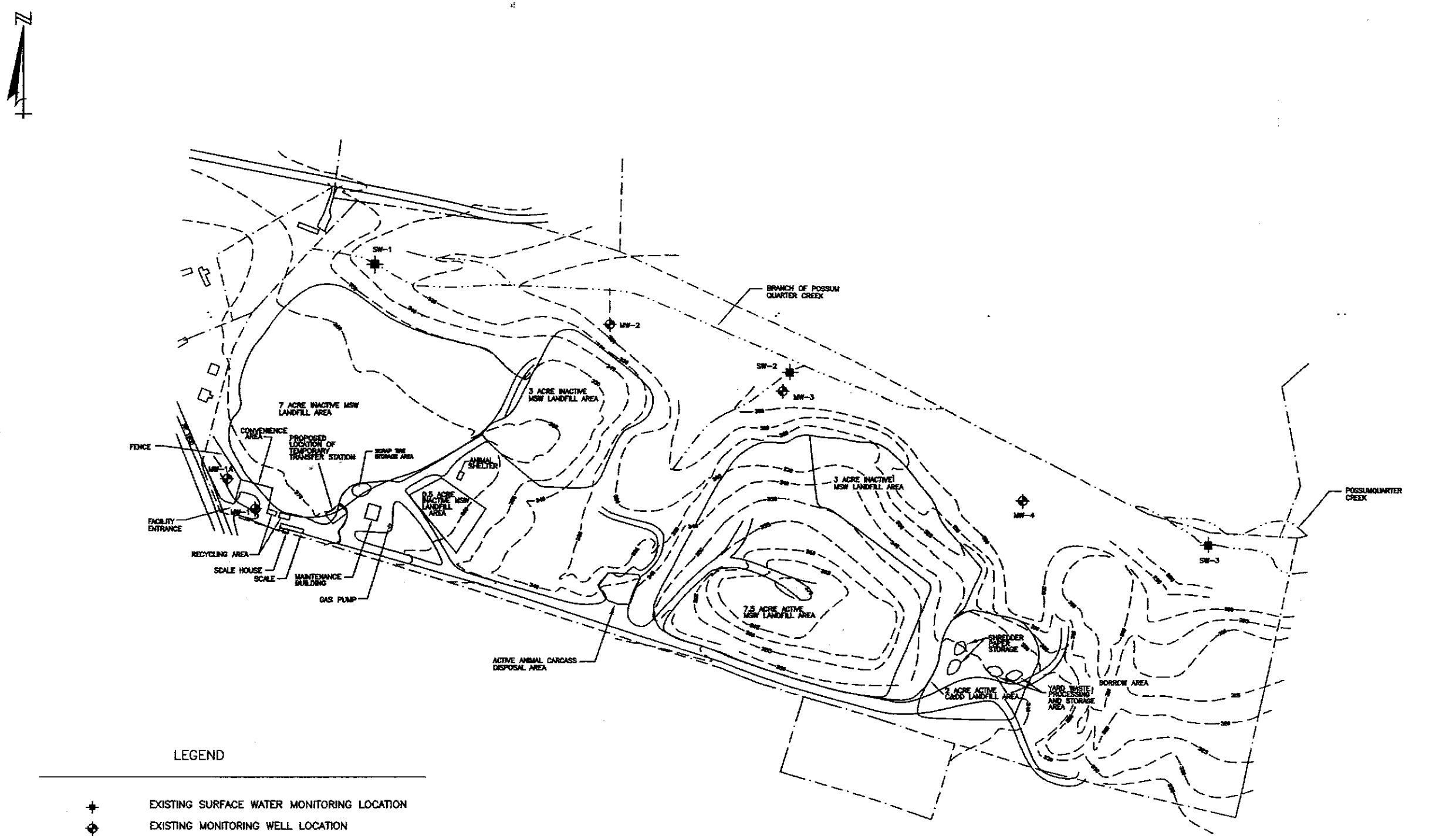
SOURCE: WARRENTON (1970) QUADRANGLE
NORTH CAROLINA–WARREN COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)

0 2000
SCALE IN FEET

02/03/06
76510LOC.DWG

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

76510LAY0807.DWG
(09/18/07)



LEGEND

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

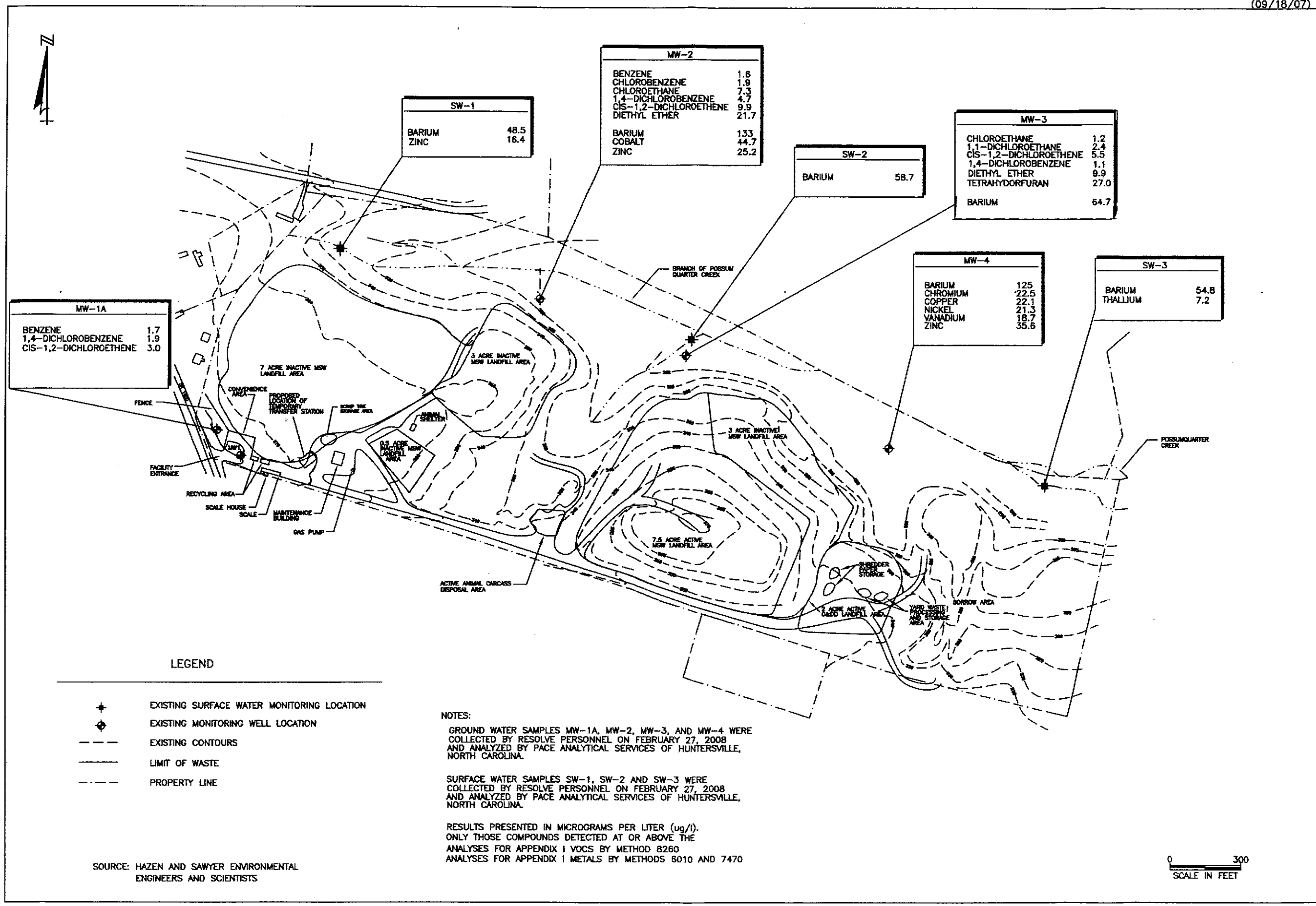
SOURCE: HAZEN AND SAWYER ENVIRONMENTAL ENGINEERS AND SCIENTISTS

RESOLVE ENVIRONMENTAL SERVICES, P.A.
MONROE, NORTH CAROLINA

FIGURE 2.
SITE MAP

WARREN COUNTY LANDFILL
WARRENTON, NORTH CAROLINA

76510ANA0807.DWG
(09/18/07)



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

NOTES:

GROUND WATER SAMPLES MW-1A, MW-2, MW-3, AND MW-4 WERE COLLECTED BY RESOLVE PERSONNEL ON FEBRUARY 27, 2008 AND ANALYZED BY PACE ANALYTICAL SERVICES OF HUNTERSVILLE, NORTH CAROLINA.

SURFACE WATER SAMPLES SW-1, SW-2 AND SW-3 WERE COLLECTED BY RESOLVE PERSONNEL ON FEBRUARY 27, 2008 AND ANALYZED BY PACE ANALYTICAL SERVICES OF HUNTERSVILLE, NORTH CAROLINA.

RESULTS PRESENTED IN MICROGRAMS PER LITER (ug/l).
ONLY THOSE COMPOUNDS DETECTED AT OR ABOVE THE
ANALYSES FOR APPENDIX I VOCS BY METHOD 8260
ANALYSES FOR APPENDIX I METALS BY METHODS 6010 AND 7470

RESOLVE ENVIRONMENTAL SERVICES, P.A.
MONROE, NORTH CAROLINA

FIGURE 3.
SITE LAYOUT MAP WITH
ASSOCIATED ANALYTICAL RESULTS

WARREN COUNTY LANDFILL
WARRENTON, NORTH CAROLINA

Tables

Table 1.
Gauging and Field Parameter Data
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
February 27, 2008

Sample Location	Total Well Depth (feet)	Depth to Water (feet)	Temperature (C)	pH	Specific Conductance (μmhos)	Volume Purged (gals)
Ground water						
MW-1A	42.0	32.86	15	8.2	0.12	4.50
MW-2	15.75	7.25	13	7.5	0.31	4.50
MW-3	29.00	5.51	12	6.9	0.18	11.75
MW-4	23.10	3	13	6.7	0.27	9.50
WS-1	NA	NA	NS	NS	NS	NS
Surface Water						
SW-1	NA	NA	11	7.7	0.14	NA
SW-2	NA	NA	8	7.1	0.14	NA
SW-3	NA	NA	9	6.9	0.14	NA

Notes:

Gauging and field parameters collected on February 27, 2008 by Resolve personnel.
All measurements relative to the top of well casing.
NA = Not Applicable or available
NS = Not sampled

Table 2.
Analytical Results
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
February 27, 2008

		Ground water Samples (µg/l)				Surface Water Samples (µg/l)			
Constituents	NCGQS	MW-1A	MW-2	MW-3	MW-4	SW-1	SW-2	SW-3	WS-1
Appendix I VOCs									
Benzene	1	**1.7**	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	NR
Chlorobenzene	50	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	NR
Chloroethane	NS	<1.0	**7.3**	**1.2**	<1.0	<1.0	<1.0	<1.0	NR
1,4-Dichlorobenzene	75	1.9	4.7	1.1	<1.0	<1.0	<1.0	<1.0	NR
1,1-Dichloroethane	700	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0	NR
cis-1,2-Dichloroethene	70	3.0	9.9	5.5	<1.0	<1.0	<1.0	<1.0	NR
Diethyl ether	NS	<1.0	**21.7**	9.9	<1.0	<1.0	<1.0	<1.0	NR
Tetrahydrofuran	NS	<10.0	<10.0	27.0	<10.0	<10.0	<10.0	<10.0	NR
Appendix II Metals									
Barium	2,000	<5.0	133	64.7	125	48.5	58.7	54.8	NR
Beryllium	Background	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NR
Chromium	50	<5.0	<5.0	<5.0	22.5	<5.0	<5.0	<5.0	NR
Cobalt	Background	<5.0	44.7	<5.0	<5.0	<5.0	<5.0	<5.0	NR
Copper	Background	<5.0	<5.0	<5.0	22.1	<5.0	<5.0	<5.0	NR
Mercury	Background	<0.20	<0.20	<.20	<0.20	<0.20	<0.20	<0.20	NR
Nickel	100	<5.0	<5.0	<5.0	21.3	<5.0	<5.0	<5.0	NR
Selenium	Background	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NR
Thallium	Background	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	7.2	NR
Vanadium	Background	<5.0	<5.0	<5.0	18.7	<5.0	<10.0	<5.0	NR
Zinc	2,100	<10.0	25.2	<10.0	35.6	16.4	<10.0	<10.0	NR

Notes

Results presented in micrograms per liter (µg /l).
Ground water samples and surface water samples were collected by Resolve personnel on February 27, 2008 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.
NS = No standard.

Appendix A

Laboratory Analytical Report

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 14, 2008

Mr. Scott Ball
Resolve Environmental Services
410 E. Franklin Street
Monroe, NC 28112

RE: Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Dear Mr. Ball:
Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2008. 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,

Kevin Herring

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures

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without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

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2225 Riverside Dr.
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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 COUNTRY LANDFILL
Pace Project No.: 9214474

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

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

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

ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-1A **Lab ID: 9214474001** Collected: 02/27/08 09:35 Received: 02/28/08 17:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-38-2	
Barium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:41	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:41	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-48-4	
Copper	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-50-8	
Lead	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:41	7782-49-2	
Silver	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/07/08 11:10	03/08/08 04:41	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:41	7440-62-2	
Zinc	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:41	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/10/08 15:47	03/11/08 13:32	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/05/08 17:07	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 17:07	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 17:07	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 17:07	107-05-1	
Benzene	**1.7**	ug/L	1.0	1		03/05/08 17:07	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 17:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 17:07	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 17:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 17:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 17:07	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 17:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 17:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/05/08 17:07	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/05/08 17:07	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 17:07	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 17:07	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 17:07	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 17:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 17:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 17:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 17:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 17:07	95-50-1	
1,4-Dichlorobenzene	**1.9**	ug/L	1.0	1		03/05/08 17:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 17:07	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/05/08 17:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 17:07	107-06-2	

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Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-1A **Lab ID: 9214474001** Collected: 02/27/08 09:35 Received: 02/28/08 17:42 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	**3.0**	ug/L	1.0	1		03/05/08 17:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 17:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 17:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 17:07	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 17:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 17:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/05/08 17:07	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 17:07	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 17:07	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 17:07	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 17:07	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 17:07	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 17:07	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 17:07	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 17:07	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 17:07	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 17:07	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 17:07	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 17:07	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 17:07	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 17:07	107-12-0	
Styrene	ND	ug/L	1.0	1		03/05/08 17:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 17:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 17:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 17:07	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/05/08 17:07	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 17:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 17:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 17:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 17:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 17:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 17:07	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 17:07	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 17:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 17:07	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 17:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 17:07	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 17:07	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		03/05/08 17:07	460-00-4	
Dibromofluoromethane (S)	94	%	85-115	1		03/05/08 17:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120	1		03/05/08 17:07	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 17:07	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-2 **Lab ID: 9214474002** Collected: 02/27/08 10:33 Received: 02/28/08 17:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-38-2	
Barium	**133**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:52	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:52	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-47-3	
Cobalt	**44.7**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-48-4	
Copper	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-50-8	
Lead	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:52	7782-49-2	
Silver	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/07/08 11:10	03/08/08 04:52	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:52	7440-62-2	
Zinc	**25.2**	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:52	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/10/08 15:47	03/11/08 13:35	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/05/08 17:31	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 17:31	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 17:31	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 17:31	107-05-1	
Benzene	**1.6**	ug/L	1.0	1		03/05/08 17:31	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 17:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 17:31	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 17:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 17:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 17:31	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 17:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 17:31	56-23-5	
Chlorobenzene	**1.9**	ug/L	1.0	1		03/05/08 17:31	108-90-7	
Chloroethane	**7.3**	ug/L	1.0	1		03/05/08 17:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 17:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 17:31	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 17:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 17:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 17:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 17:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 17:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 17:31	95-50-1	
1,4-Dichlorobenzene	**4.7**	ug/L	1.0	1		03/05/08 17:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 17:31	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/05/08 17:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 17:31	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-2 **Lab ID: 9214474002** Collected: 02/27/08 10:33 Received: 02/28/08 17:42 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	**9.9**	ug/L	1.0	1		03/05/08 17:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 17:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 17:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 17:31	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 17:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 17:31	10061-02-6	
Diethyl ether (Ethyl ether)	**21.7**	ug/L	1.0	1		03/05/08 17:31	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 17:31	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 17:31	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 17:31	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 17:31	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 17:31	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 17:31	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 17:31	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 17:31	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 17:31	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 17:31	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 17:31	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 17:31	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 17:31	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 17:31	107-12-0	
Styrene	ND	ug/L	1.0	1		03/05/08 17:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 17:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 17:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 17:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/05/08 17:31	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 17:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 17:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 17:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 17:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 17:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 17:31	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 17:31	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 17:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 17:31	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 17:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 17:31	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 17:31	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		03/05/08 17:31	460-00-4	
Dibromofluoromethane (S)	100	%	85-115	1		03/05/08 17:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120	1		03/05/08 17:31	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 17:31	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-3 **Lab ID: 9214474003** Collected: 02/27/08 11:28 Received: 02/28/08 17:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-38-2	
Barium	**64.7**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:56	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:56	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-48-4	
Copper	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-50-8	
Lead	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:56	7782-49-2	
Silver	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/07/08 11:10	03/08/08 04:56	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:56	7440-62-2	
Zinc	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:56	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/10/08 15:47	03/11/08 13:37	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/05/08 17:55	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 17:55	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 17:55	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 17:55	107-05-1	
Benzene	ND	ug/L	1.0	1		03/05/08 17:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 17:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 17:55	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 17:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 17:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 17:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 17:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 17:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/05/08 17:55	108-90-7	
Chloroethane	**1.2**	ug/L	1.0	1		03/05/08 17:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 17:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 17:55	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 17:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 17:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 17:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 17:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 17:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 17:55	95-50-1	
1,4-Dichlorobenzene	**1.1**	ug/L	1.0	1		03/05/08 17:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 17:55	110-57-6	
1,1-Dichloroethane	**2.4**	ug/L	1.0	1		03/05/08 17:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 17:55	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-3 **Lab ID: 9214474003** Collected: 02/27/08 11:28 Received: 02/28/08 17:42 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	**5.5**	ug/L	1.0	1		03/05/08 17:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 17:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 17:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 17:55	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 17:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 17:55	10061-02-6	
Diethyl ether (Ethyl ether)	**9.9**	ug/L	1.0	1		03/05/08 17:55	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 17:55	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 17:55	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 17:55	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 17:55	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 17:55	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 17:55	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 17:55	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 17:55	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 17:55	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 17:55	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 17:55	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 17:55	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 17:55	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 17:55	107-12-0	
Styrene	ND	ug/L	1.0	1		03/05/08 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 17:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 17:55	127-18-4	
Tetrahydrofuran	**27.0**	ug/L	10.0	1		03/05/08 17:55	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 17:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 17:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 17:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 17:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 17:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 17:55	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 17:55	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 17:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 17:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 17:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 17:55	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 17:55	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109	1		03/05/08 17:55	460-00-4	
Dibromofluoromethane (S)	101	%	85-115	1		03/05/08 17:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120	1		03/05/08 17:55	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 17:55	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-4 **Lab ID: 9214474004** Collected: 02/27/08 11:50 Received: 02/28/08 17:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-38-2	
Barium	**125**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:59	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 04:59	7440-43-9	
Chromium	**22.5**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-48-4	
Copper	**22.1**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-50-8	
Lead	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7439-92-1	
Nickel	**21.3**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:59	7782-49-2	
Silver	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/07/08 11:10	03/08/08 04:59	7440-28-0	
Vanadium	**18.7**	ug/L	5.0	1	03/07/08 11:10	03/08/08 04:59	7440-62-2	
Zinc	**35.6**	ug/L	10.0	1	03/07/08 11:10	03/08/08 04:59	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/10/08 15:47	03/11/08 13:40	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/05/08 18:18	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 18:18	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 18:18	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 18:18	107-05-1	
Benzene	ND	ug/L	1.0	1		03/05/08 18:18	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 18:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 18:18	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 18:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 18:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 18:18	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 18:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 18:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/05/08 18:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/05/08 18:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 18:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 18:18	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 18:18	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 18:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 18:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 18:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 18:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 18:18	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 18:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 18:18	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/05/08 18:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 18:18	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: MW-4 **Lab ID: 9214474004** Collected: 02/27/08 11:50 Received: 02/28/08 17:42 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		03/05/08 18:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 18:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 18:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 18:18	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 18:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 18:18	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/05/08 18:18	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 18:18	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 18:18	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 18:18	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 18:18	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 18:18	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 18:18	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 18:18	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 18:18	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 18:18	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 18:18	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 18:18	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 18:18	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 18:18	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 18:18	107-12-0	
Styrene	ND	ug/L	1.0	1		03/05/08 18:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 18:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 18:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 18:18	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/05/08 18:18	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 18:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 18:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 18:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 18:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 18:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 18:18	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 18:18	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 18:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 18:18	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 18:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 18:18	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 18:18	95-47-6	
4-Bromofluorobenzene (S)	100	%	87-109	1		03/05/08 18:18	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		03/05/08 18:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120	1		03/05/08 18:18	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 18:18	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: SW-1 **Lab ID: 9214474005** Collected: 02/27/08 10:08 Received: 02/28/08 17:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-38-2	
Barium	**48.5**	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 05:03	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 05:03	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-48-4	
Copper	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-50-8	
Lead	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 05:03	7782-49-2	
Silver	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/07/08 11:10	03/08/08 05:03	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:03	7440-62-2	
Zinc	**16.4**	ug/L	10.0	1	03/07/08 11:10	03/08/08 05:03	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/10/08 15:47	03/11/08 13:47	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/05/08 18:42	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 18:42	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 18:42	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 18:42	107-05-1	
Benzene	ND	ug/L	1.0	1		03/05/08 18:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 18:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 18:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 18:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 18:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 18:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 18:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 18:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/05/08 18:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/05/08 18:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 18:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 18:42	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 18:42	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 18:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 18:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 18:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 18:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 18:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 18:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 18:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/05/08 18:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 18:42	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: SW-1 **Lab ID: 9214474005** Collected: 02/27/08 10:08 Received: 02/28/08 17:42 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		03/05/08 18:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 18:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 18:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 18:42	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 18:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 18:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/05/08 18:42	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 18:42	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 18:42	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 18:42	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 18:42	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 18:42	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 18:42	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 18:42	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 18:42	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 18:42	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 18:42	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 18:42	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 18:42	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 18:42	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 18:42	107-12-0	
Styrene	ND	ug/L	1.0	1		03/05/08 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 18:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 18:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 18:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/05/08 18:42	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 18:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 18:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 18:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 18:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 18:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 18:42	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 18:42	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 18:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 18:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 18:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 18:42	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 18:42	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		03/05/08 18:42	460-00-4	
Dibromofluoromethane (S)	104	%	85-115	1		03/05/08 18:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120	1		03/05/08 18:42	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 18:42	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: SW-2 **Lab ID: 9214474006** Collected: 02/27/08 10:55 Received: 02/28/08 17:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-38-2	
Barium	**58.7**	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 05:07	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/07/08 11:10	03/08/08 05:07	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-48-4	
Copper	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-50-8	
Lead	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 05:07	7782-49-2	
Silver	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-22-4	
Thallium	ND	ug/L	5.4	1	03/07/08 11:10	03/08/08 05:07	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/07/08 11:10	03/08/08 05:07	7440-62-2	
Zinc	ND	ug/L	10.0	1	03/07/08 11:10	03/08/08 05:07	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/10/08 15:47	03/11/08 13:49	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/05/08 19:06	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 19:06	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 19:06	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 19:06	107-05-1	
Benzene	ND	ug/L	1.0	1		03/05/08 19:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 19:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 19:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 19:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 19:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 19:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 19:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 19:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/05/08 19:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/05/08 19:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 19:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 19:06	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 19:06	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 19:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 19:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 19:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 19:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 19:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 19:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/05/08 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 19:06	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: SW-2 **Lab ID: 9214474006** Collected: 02/27/08 10:55 Received: 02/28/08 17:42 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		03/05/08 19:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 19:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 19:06	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 19:06	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/05/08 19:06	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 19:06	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 19:06	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 19:06	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 19:06	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 19:06	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 19:06	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 19:06	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 19:06	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 19:06	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 19:06	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 19:06	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 19:06	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 19:06	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 19:06	107-12-0	
Styrene	ND	ug/L	1.0	1		03/05/08 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 19:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 19:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/05/08 19:06	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 19:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 19:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 19:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 19:06	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 19:06	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 19:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 19:06	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 19:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 19:06	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 19:06	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109	1		03/05/08 19:06	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		03/05/08 19:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120	1		03/05/08 19:06	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 19:06	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: SW-3 **Lab ID: 9214474007** Collected: 02/27/08 12:12 Received: 02/28/08 17:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 GW North Carolina Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-36-0	
Arsenic	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-38-2	
Barium	**54.8**	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-39-3	
Beryllium	ND	ug/L	1.0	1	03/13/08 11:50	03/13/08 21:11	7440-41-7	
Cadmium	ND	ug/L	1.0	1	03/13/08 11:50	03/13/08 21:11	7440-43-9	
Chromium	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-47-3	
Cobalt	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-48-4	
Copper	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-50-8	
Lead	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7439-92-1	
Nickel	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-02-0	
Selenium	ND	ug/L	10.0	1	03/13/08 11:50	03/13/08 21:11	7782-49-2	
Silver	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-22-4	
Thallium	**7.2**	ug/L	5.4	1	03/13/08 11:50	03/13/08 21:11	7440-28-0	
Vanadium	ND	ug/L	5.0	1	03/13/08 11:50	03/13/08 21:11	7440-62-2	
Zinc	ND	ug/L	10.0	1	03/13/08 11:50	03/13/08 21:11	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	03/10/08 15:47	03/11/08 13:52	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		03/05/08 19:29	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 19:29	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 19:29	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 19:29	107-05-1	
Benzene	ND	ug/L	1.0	1		03/05/08 19:29	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 19:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 19:29	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 19:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 19:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 19:29	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 19:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 19:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/05/08 19:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/05/08 19:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 19:29	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 19:29	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 19:29	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 19:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 19:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 19:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 19:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 19:29	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 19:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 19:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/05/08 19:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 19:29	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: SW-3 **Lab ID: 9214474007** Collected: 02/27/08 12:12 Received: 02/28/08 17:42 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		03/05/08 19:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 19:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 19:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 19:29	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 19:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 19:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/05/08 19:29	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 19:29	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 19:29	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 19:29	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 19:29	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 19:29	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 19:29	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 19:29	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 19:29	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 19:29	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 19:29	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 19:29	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 19:29	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 19:29	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 19:29	107-12-0	
Styrene	ND	ug/L	1.0	1		03/05/08 19:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 19:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 19:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 19:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/05/08 19:29	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 19:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 19:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 19:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 19:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 19:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 19:29	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 19:29	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 19:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 19:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 19:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 19:29	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 19:29	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109	1		03/05/08 19:29	460-00-4	
Dibromofluoromethane (S)	104	%	85-115	1		03/05/08 19:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		03/05/08 19:29	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 19:29	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: EQUIP BLANK **Lab ID: 9214474008** Collected: 02/27/08 09:10 Received: 02/28/08 17:42 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		03/05/08 16:20	67-64-1	
Acrolein	ND	ug/L	10.0	1		03/05/08 16:20	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		03/05/08 16:20	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		03/05/08 16:20	107-05-1	
Benzene	ND	ug/L	1.0	1		03/05/08 16:20	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/05/08 16:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/05/08 16:20	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/05/08 16:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/08 16:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/05/08 16:20	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/05/08 16:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/05/08 16:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/05/08 16:20	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/05/08 16:20	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/05/08 16:20	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/05/08 16:20	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		03/05/08 16:20	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		03/05/08 16:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/05/08 16:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/05/08 16:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		03/05/08 16:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 16:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/05/08 16:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/05/08 16:20	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/05/08 16:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/05/08 16:20	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 16:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/05/08 16:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/05/08 16:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/05/08 16:20	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 16:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/05/08 16:20	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		03/05/08 16:20	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		03/05/08 16:20	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		03/05/08 16:20	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		03/05/08 16:20	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		03/05/08 16:20	97-63-2	
n-Hexane	ND	ug/L	1.0	1		03/05/08 16:20	110-54-3	
Iodomethane	ND	ug/L	5.0	1		03/05/08 16:20	74-88-4	
Isobutanol	ND	ug/L	100	1		03/05/08 16:20	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		03/05/08 16:20	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		03/05/08 16:20	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		03/05/08 16:20	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		03/05/08 16:20	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		03/05/08 16:20	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/05/08 16:20	108-10-1	
Propionitrile	ND	ug/L	20.0	1		03/05/08 16:20	107-12-0	

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ANALYTICAL RESULTS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

Sample: EQUIP BLANK **Lab ID: 9214474008** Collected: 02/27/08 09:10 Received: 02/28/08 17:42 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		03/05/08 16:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 16:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/05/08 16:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/05/08 16:20	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/05/08 16:20	109-99-9	
Toluene	ND	ug/L	1.0	1		03/05/08 16:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/05/08 16:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/05/08 16:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/05/08 16:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/05/08 16:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/05/08 16:20	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		03/05/08 16:20	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		03/05/08 16:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/08 16:20	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		03/05/08 16:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/05/08 16:20	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		03/05/08 16:20	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109	1		03/05/08 16:20	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	1		03/05/08 16:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120	1		03/05/08 16:20	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		03/05/08 16:20	2037-26-5	

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

QC Batch: MSV/2722 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9214474001, 9214474002, 9214474003, 9214474004, 9214474005, 9214474006, 9214474007, 9214474008

METHOD BLANK: 84740
Associated Lab Samples: 9214474001, 9214474002, 9214474003, 9214474004, 9214474005, 9214474006, 9214474007, 9214474008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2,3-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	
Acetone	ug/L	ND	25.0	
Acrolein	ug/L	ND	10.0	
Acrylonitrile	ug/L	ND	10.0	
Allyl chloride	ug/L	ND	2.0	
Benzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon disulfide	ug/L	ND	2.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Cyclohexane	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Diethyl ether (Ethyl ether)	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethyl acetate	ug/L	ND	20.0	
Ethyl methacrylate	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Iodomethane	ug/L	ND	5.0	
Isobutanol	ug/L	ND	100	

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

METHOD BLANK: 84740

Associated Lab Samples: 9214474001, 9214474002, 9214474003, 9214474004, 9214474005, 9214474006, 9214474007, 9214474008

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
m&p-Xylene	ug/L	ND	2.0	
Methacrylonitrile	ug/L	ND	10.0	
Methyl acetate	ug/L	ND	10.0	
Methyl methacrylate	ug/L	ND	2.0	
Methylcyclohexane	ug/L	ND	10.0	
Methylene Chloride	ug/L	ND	2.0	
n-Hexane	ug/L	ND	1.0	
o-Xylene	ug/L	ND	1.0	
Propionitrile	ug/L	ND	20.0	
Styrene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Tetrahydrofuran	ug/L	ND	10.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl acetate	ug/L	ND	2.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	2.0	
1,2-Dichloroethane-d4 (S)	%	95	79-120	
4-Bromofluorobenzene (S)	%	97	87-109	
Dibromofluoromethane (S)	%	101	85-115	
Toluene-d8 (S)	%	101	70-120	

LABORATORY CONTROL SAMPLE: 84741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	59.9	120	83-125	
1,1,1-Trichloroethane	ug/L	50	58.5	117	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	58.4	117	73-127	
1,1,2-Trichloroethane	ug/L	50	57.9	116	77-123	
1,1-Dichloroethane	ug/L	50	59.8	120	76-129	
1,2,3-Trichloropropane	ug/L	50	60.0	120	72-125	
1,2,3-Trimethylbenzene	ug/L	50	60.0	120	68-127	
1,2-Dibromo-3-chloropropane	ug/L	50	54.7	109	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	59.2	118	81-125	
1,2-Dichlorobenzene	ug/L	50	58.8	118	82-126	
1,2-Dichloroethane	ug/L	50	52.7	105	72-126	
1,2-Dichloropropane	ug/L	50	58.2	116	80-127	
1,3-Dichloropropane	ug/L	50	58.2	116	79-124	
1,4-Dichlorobenzene	ug/L	50	57.3	115	79-125	
2-Butanone (MEK)	ug/L	100	133	133	50-134	
4-Methyl-2-pentanone (MIBK)	ug/L	100	124	124	70-131	

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

LABORATORY CONTROL SAMPLE: 84741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	100	169	169	50-146	L3
Acrolein	ug/L	250	287	115	55-143	
Acrylonitrile	ug/L	250	260	104	66-124	
Allyl chloride	ug/L	50	37.7	75	73-141	
Benzene	ug/L	50	58.1	116	78-128	
Bromochloromethane	ug/L	50	46.6	93	73-124	
Bromodichloromethane	ug/L	50	60.6	121	81-125	
Bromoform	ug/L	50	59.2	118	71-125	
Bromomethane	ug/L	50	49.6	99	50-150	
Carbon disulfide	ug/L	50	70.4	141	54-150	
Carbon tetrachloride	ug/L	50	62.0	124	81-137	
Chlorobenzene	ug/L	50	58.9	118	82-126	
Chloroethane	ug/L	50	54.8	110	69-140	
Chloroform	ug/L	50	60.0	120	77-129	
Chloromethane	ug/L	50	76.7	153	54-139	L3
cis-1,2-Dichloroethene	ug/L	50	54.3	109	76-133	
cis-1,3-Dichloropropene	ug/L	50	61.9	124	76-127	
Cyclohexane	ug/L	50	63.9	128	50-150	
Dibromochloromethane	ug/L	50	58.6	117	77-125	
Dibromomethane	ug/L	50	38.6	77	77-125	
Diethyl ether (Ethyl ether)	ug/L	50	60.4	121	50-150	
Diisopropyl ether	ug/L	50	62.2	124	74-131	
Ethyl acetate	ug/L	100	120	120	50-150	
Ethyl methacrylate	ug/L	50	63.3	127	73-129	
Ethylbenzene	ug/L	50	57.9	116	80-127	
Iodomethane	ug/L	100	84.3	84	65-172	
Isobutanol	ug/L	1000	1260	126	50-150	
m&p-Xylene	ug/L	100	116	116	82-127	
Methacrylonitrile	ug/L	500	611	122	70-128	
Methyl acetate	ug/L	50	46.8	94	50-150	
Methyl methacrylate	ug/L	50	63.1	126	79-122	L3
Methylcyclohexane	ug/L	50	66.2	132	50-150	
Methylene Chloride	ug/L	50	51.6	103	67-133	
n-Hexane	ug/L	50	66.9	134	50-150	
o-Xylene	ug/L	50	56.2	112	83-124	
Propionitrile	ug/L	500	571	114	65-129	
Styrene	ug/L	50	59.3	119	80-130	
Tetrachloroethene	ug/L	50	56.0	112	78-128	
Tetrahydrofuran	ug/L	500	612	122	59-130	
Toluene	ug/L	50	56.0	112	76-126	
trans-1,2-Dichloroethene	ug/L	50	55.8	112	78-134	
trans-1,3-Dichloropropene	ug/L	50	57.2	114	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	60.6	121	51-140	
Trichloroethene	ug/L	50	60.9	122	79-127	
Trichlorofluoromethane	ug/L	50	62.1	124	76-148	
Vinyl acetate	ug/L	100	160	160	50-150	L3
Vinyl chloride	ug/L	50	69.0	138	67-143	
Xylene (Total)	ug/L	150	173	115	83-125	

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

LABORATORY CONTROL SAMPLE: 84741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			96	79-120	
4-Bromofluorobenzene (S)	%			103	87-109	
Dibromofluoromethane (S)	%			99	85-115	
Toluene-d8 (S)	%			101	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 84742 84743

Parameter	Units	9214474001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec. Limits	RPD	Qual
Benzene	ug/L	1.7	50	50	56.7	62.9	110	123	74-136	11	
Chlorobenzene	ug/L	ND	50	50	57.9	66.0	116	132	79-135	13	
Toluene	ug/L	ND	50	50	52.6	58.4	105	117	73-131	10	
Trichloroethene	ug/L	ND	50	50	55.0	61.5	109	122	73-131	11	
1,2-Dichloroethane-d4 (S)	%						102	103	79-120		
4-Bromofluorobenzene (S)	%						100	101	87-109		
Dibromofluoromethane (S)	%						103	100	85-115		
Toluene-d8 (S)	%						99	99	70-120		

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

QC Batch: MPRP/1977 | Analysis Method: EPA 6010 GW North Carolina
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9214474001, 9214474002, 9214474003, 9214474004, 9214474005, 9214474006

METHOD BLANK: 85565
Associated Lab Samples: 9214474001, 9214474002, 9214474003, 9214474004, 9214474005, 9214474006

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

LABORATORY CONTROL SAMPLE: 85566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	501	100	80-120	
Arsenic	ug/L	500	500	100	80-120	
Barium	ug/L	500	484	97	80-120	
Beryllium	ug/L	500	488	98	80-120	
Cadmium	ug/L	500	500	100	80-120	
Chromium	ug/L	500	504	101	80-120	
Cobalt	ug/L	500	504	101	80-120	
Copper	ug/L	500	501	100	80-120	
Lead	ug/L	500	508	102	80-120	
Nickel	ug/L	500	507	101	80-120	
Selenium	ug/L	500	507	101	80-120	
Silver	ug/L	250	244	98	80-120	
Thallium	ug/L	500	489	98	80-120	
Vanadium	ug/L	500	503	101	80-120	
Zinc	ug/L	500	493	99	80-120	

MATRIX SPIKE SAMPLE: 85567

Parameter	Units	9214270001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	507	101	75-125	
Arsenic	ug/L	ND	500	542	108	75-125	

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

MATRIX SPIKE SAMPLE: 85567

Parameter	Units	9214270001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	ND	500	4740	947	75-125	M1
Beryllium	ug/L	ND	500	501	100	75-125	
Cadmium	ug/L	ND	500	501	100	75-125	
Chromium	ug/L	ND	500	503	100	75-125	
Cobalt	ug/L	ND	500	500	100	75-125	
Copper	ug/L	ND	500	472	94	75-125	
Lead	ug/L	ND	500	479	96	75-125	
Nickel	ug/L	ND	500	492	98	75-125	
Selenium	ug/L	ND	500	527	105	75-125	
Silver	ug/L	ND	250	242	97	75-125	
Thallium	ug/L	ND	500	416	83	75-125	
Vanadium	ug/L	ND	500	485	97	75-125	
Zinc	ug/L	ND	500	668	133	75-125	M1

SAMPLE DUPLICATE: 85568

Parameter	Units	9214270002 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	ND	ND	34	
Arsenic	ug/L	ND	ND	9	
Barium	ug/L	215	217	.9	
Beryllium	ug/L	ND	ND	0	
Cadmium	ug/L	ND	ND	0	
Chromium	ug/L	ND	2.8J	13	
Cobalt	ug/L	ND	ND	0	
Copper	ug/L	ND	2.3J	10	
Lead	ug/L	ND	ND	22	
Nickel	ug/L	9.9	9.9	.6	
Selenium	ug/L	ND	7.4J	20	
Silver	ug/L	ND	1.4J	3	
Thallium	ug/L	6.6	ND	96	
Vanadium	ug/L	7.8	7.5	4	
Zinc	ug/L	40.3	39.9	1	

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(828)254-7176

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

QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

QC Batch: MERP/1365 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9214474001, 9214474002, 9214474003, 9214474004, 9214474005, 9214474006, 9214474007

METHOD BLANK: 86719
Associated Lab Samples: 9214474001, 9214474002, 9214474003, 9214474004, 9214474005, 9214474006, 9214474007

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 86720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	102	80-120	

MATRIX SPIKE SAMPLE: 86721

Parameter	Units	9214470008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	100	75-125	

SAMPLE DUPLICATE: 86722

Parameter	Units	9214470009 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND	0	

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

QC Batch: MPRP/2005
QC Batch Method: EPA 3010
Analysis Method: EPA 6010 GW North Carolina
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9214474007

METHOD BLANK: 88045
Associated Lab Samples: 9214474007

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

LABORATORY CONTROL SAMPLE: 88046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	413	83	80-120	
Arsenic	ug/L	500	427	85	80-120	
Barium	ug/L	500	404	81	80-120	
Beryllium	ug/L	500	412	82	80-120	
Cadmium	ug/L	500	431	86	80-120	
Chromium	ug/L	500	425	85	80-120	
Cobalt	ug/L	500	415	83	80-120	
Copper	ug/L	500	415	83	80-120	
Lead	ug/L	500	432	86	80-120	
Nickel	ug/L	500	420	84	80-120	
Selenium	ug/L	500	424	85	80-120	
Silver	ug/L	250	213	85	80-120	
Thallium	ug/L	500	409	82	80-120	
Vanadium	ug/L	500	418	84	80-120	
Zinc	ug/L	500	437	87	80-120	

MATRIX SPIKE SAMPLE: 88047

Parameter	Units	9214474007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	528	106	75-125	
Arsenic	ug/L	ND	500	551	110	75-125	

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QUALITY CONTROL DATA

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

MATRIX SPIKE SAMPLE: 88047

Parameter	Units	9214474007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	54.8	500	571	103	75-125	
Beryllium	ug/L	ND	500	547	109	75-125	
Cadmium	ug/L	ND	500	539	108	75-125	
Chromium	ug/L	ND	500	536	107	75-125	
Cobalt	ug/L	ND	500	528	106	75-125	
Copper	ug/L	ND	500	531	106	75-125	
Lead	ug/L	ND	500	529	106	75-125	
Nickel	ug/L	ND	500	532	106	75-125	
Selenium	ug/L	ND	500	535	107	75-125	
Silver	ug/L	ND	250	261	104	75-125	
Thallium	ug/L	7.2	500	515	102	75-125	
Vanadium	ug/L	ND	500	542	108	75-125	
Zinc	ug/L	ND	500	528	105	75-125	

SAMPLE DUPLICATE: 88048

Parameter	Units	9214497001 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	ND	ND	192	
Arsenic	ug/L	7.3	5.3	32	R1
Barium	ug/L	208	201	3	
Beryllium	ug/L	ND	.81J	.1	
Cadmium	ug/L	ND	ND	0	
Chromium	ug/L	22.2	21.9	1	
Cobalt	ug/L	ND	ND	0	
Copper	ug/L	17.6	18.6	6	
Lead	ug/L	8.2	8.0	2	
Nickel	ug/L	19.5	19.3	1	
Selenium	ug/L	ND	7.6J	16	
Silver	ug/L	ND	.7J	9	
Thallium	ug/L	ND	5.1J	16	
Vanadium	ug/L	49.3	47.6	4	
Zinc	ug/L	69.8	70.6	1	

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QUALIFIERS

Project: WARREN COUNTRY LANDFILL
Pace Project No.: 9214474

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.

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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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.

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Page: of

1172073

Section A Required Client Information:

Company: RESOLVE ENVIRONMENTAL
Address: 410 E. FRANKLIN ST. MONROE NC 28112
Email To: RESOLVE@CAROLINA.RR.COM
Phone: 704-289-5881 Fax:
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: SCOTT BALL
Copy To:
Purchase Order No.:
Project Name: WARREN COUNTY LANDFILL
Project Number:

Section C Invoice Information:

Attention: JANET BECK
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: WARRENTON 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

Requested Analysis Filtered (Y/N): AMMONIA, NO3 & NO2 / APPENDIX I METALS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1A	WT				2-27-08	0935					1	3					✓ ✓		92144740
2	MW-2	WT					1033					1	3					✓ ✓		1
3	MW-3	WT					1128					1	3					✓ ✓		2
4	MW-4	WT					1150					1	3					✓ ✓		3
5	SW-1	WT					1008					1	3					✓ ✓		4
6	SW-2	WT					1055					1	3					✓ ✓		5
7	SW-3	WT					1212					1	3					✓ ✓		6
8	EQUIP. BLANK	WT					0910						3					✓		7
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SW-1 & SW-2 VIALS HAD HEADSPACE PROBLEMS	W. Scott Ball / RESOLVE	2-28-08	1742	[illegible]	[illegible]	[illegible]	Y N Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: W. SCOTT BALL
SIGNATURE of SAMPLER: W. Scott Ball
DATE Signed (MM/DD/YY): 2-27-08

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

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007