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Resolve Environmental Services, PLLC
410 East Franklin Street,
Monroe, NC 28112 (704) 289-5881

RECEIVED OCT 16 2008 SOLID WASTE SECTION

October 15, 2008

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

Re: Second Semi-Annual 2008 Ground Water Monitoring Event
Warren County Closed Sanitary Landfill 93-01
Warrenton, North Carolina

Resolve Project No 765.10

Dear Mr. Brothers:

Resolve Environmental Services, PLLC (Resolve) respectfully submits the methods and results of the second 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 August 26, 2008, Resolve personnel collected ground water samples from existing monitoring wells MW-1A, MW-2, MW-3, and MW-4. Additionally, two surface water samples, designated as SW-1 and SW-3 were collected from a tributary of the Possumquarter Creek that bounds the landfill to the north. Please note that the area in the vicinity of former surface water sampling location designated SW-2 was dry and could not be sampled. In addition, Resolve personnel attempted to sample water supply well WS-1 located on the adjacent residential property to the northwest. However, power remains to be unconnected at the wellhead and 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 Methods 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**.

Barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium and zinc were detected in the ground water sample collected from MW-1A at concentrations of 157 micrograms per liter (µg/L), 5.2 µg/L, 15.2 µg/L, 14.0 µg/L, 35.2 µg/L, 25.5 µg/L, 9.8 µg/L, 47.9 µg/L and 76.9 µg/L, respectively. The concentrations of lead, cobalt, copper and vanadium exceeded the North Carolina ground water quality standards (NCGWQS).

Chloroethane, 1,4-dichlorobenzene, cis-1,2-dichloroethene, diethyl ether, antimony, barium, cobalt and zinc were detected in the sample collected from MW-2 at concentrations of 4.6 µg/L, 2.8 µg/L, 5.5 µg/L, 16.9 µg/L, 5.4 µg/L, 127 µg/L, 66.9 µg/L and 21.5 µg/L, respectively. None of the concentrations exceeded the published NCGWQS. Currently there are no NCGWQS for chloroethane, diethyl ether, antimony or coablt and any detectable concentration is reportable.

1,1-dichloroethane, cis-1,2-Dichloroethene, diethyl ether, tetrahydrofuran and barium were detected in the ground water sample collected from MW-3 at concentrations of 1.7 µg/L, 2.6 µg/L, 6.7 µg/L, 19.1 µg/L and 61.7 µg/L, respectively. The concentrations of 1,1-dichloroethane and tetrahydrofuran are reportable since no standard for these compounds has been established by NCGWQS.
Detectable concentrations of antimony, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, thallium, vanadium and zinc were reported in the sample from MW-4 at

concentrations of 42.0 µg/L, 993 µg/L, 3.2 µg/L 22.2 µg/L, 63.3 µg/L, 101 µg/L, 60.2 µg/L, 15.6 µg/L, 38.5 µg/L, 78.1 µg/L, 15.0 µg/L, 125 µg/L and 205 µg/L, respectively. The concentrations of beryllium, cadmium, chromium, copper, lead, selenium, thallium and vanadium exceeded the NCGWQS.

Detectable concentrations of antimony, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, thallium, vanadium and zinc were reported in the surface water sample SW-1 at concentrations of 36.6 µg/L, 1,340 µg/L, 14.6 µg/L 53.1 µg/L, 248 µg/L, 26.5 µg/L, 203 µg/L, 106 µg/L, 106 µg/L, 72.1 µg/L, 25.5 µg/L, 439 µg/L and 740 µg/L, respectively. The concentrations of beryllium, cadmium, chromium, copper, lead, nickel, selenium, thallium and vanadium exceeded the NCGWQS.

Detectable concentrations of barium, cobalt and zinc were reported in the surface water sample, SW-3. No detectable concentrations of VOCs were reported in the samples collected from MW-1A, MW-4, SW-1 or SW-3 or the trip blank. However, concentrations of benzene (1.5 µg/L), 1,4-Dichlorobenzene (1.8 µg/L) and cis-1,2-Dichloroethane (2.7 µg/L) were detected in the equipment blank. These compounds appear to be laboratory contaminants.

We anticipate conducting the next semi-annual monitoring event at this 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

W. Scott, Ball, Environmental Scientist
Principal

NORTH CAROLINA LICENSED SEAL 1435 GEOLOGIST TERRY D. KENNEDY

Terry D. Kennedy, P.G.
Principal

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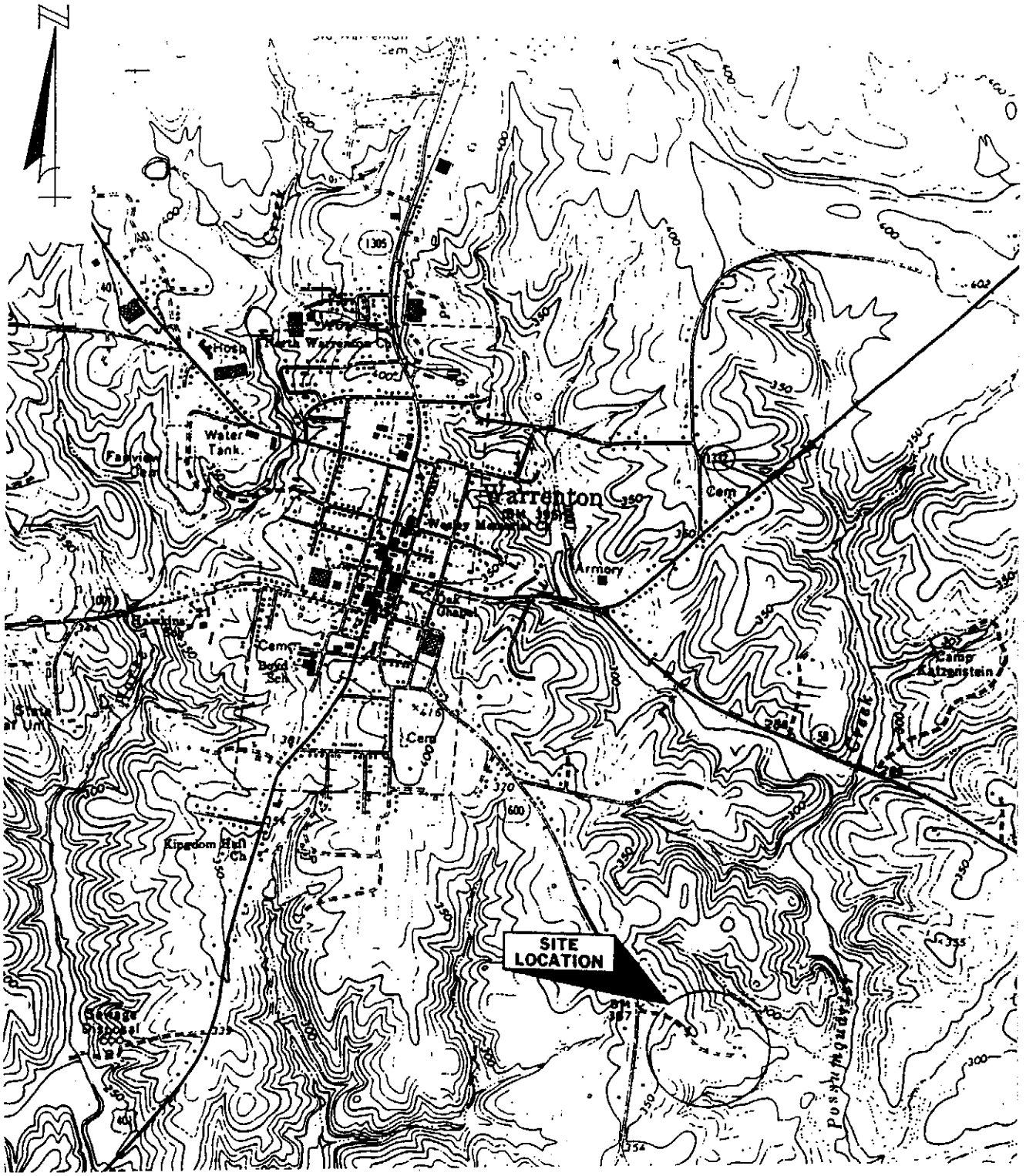
Figures



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

0 2000
SCALE IN FEET

(02/03/06)
7651OLOC.DWG

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

Tables

Table 1
Gauging and Field Parameter Data
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
August 26, 2008

Sample Location	Total Well Depth (feet)	Depth to Water (feet)	Temperature (C)	pH	Specific Conductance (μmhos)	Volume Purged (gals)
Ground water						
MW-1A	41.93	33.24	19	6.7	0.29	4.50
MW-2	15.75	9.31	20	6.9	0.31	Bailed Dry
MW-3	28.83	6.89	20	7.2	0.30	11.50
MW-4	23.07	5.02	19	7.1	0.31	Bailed Dry
WS-1	NA	NA	NA	NA	NA	NA
Surface Water						
SW-1	NA	NA	19	6.4	0.27	NA
SW-2	NA	NA	NA	NA	NA	NA
SW-3	NA	NA	19	6.8	0.32	NA

Notes:

Gauging and field parameters collected on August 26, 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
August 26, 2008

		Ground water Samples (µg/L)				Surface Water Samples (µg/L)				Laboratory Samples	
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	<1.0	<1.0	<1.0	<1.0	<1.0	NR	<1.0	NR	<1.0	**1.5**
Chlorobenzene	50	<1.0	<1.0	<1.0	<1.0	<1.0	NR	<1.0	NR	<1.0	<1.0
Chloroethane	NS	<1.0	**4.6**	<1.0	<1.0	<1.0	NR	<1.0	NR	<1.0	<1.0
1,4-Dichlorobenzene	75	<1.0	2.8	<1.0	<1.0	<1.0	NR	<1.0	NR	<1.0	1.8
1,1-Dichloroethane	700	<1.0	<1.0	1.7	<1.0	<1.0	NR	<1.0	NR	<1.0	<1.0
cis-1,2-Dichloroethene	70	<1.0	5.5	2.6	<1.0	<1.0	NR	<1.0	NR	<1.0	2.7
Diethyl ether	NS	<1.0	**16.9**	**6.7**	<1.0	<1.0	NR	<1.0	NR	<1.0	<1.0
Tetrahydrofuran	NS	<10.0	<10.0	**19.1**	<10.0	<10.0	NR	<10.0	NR	<10.0	<10.0
Appendix I Metals											
Antimony	NS	<5.0	**5.4**	<5.0	**42.0**	**36.6**	NR	<5.0	NR	NR	NR
Barium	2,000	157	127	61.7	993	1,340	NR	56.2	NR	NR	NR
Beryllium	NS	**5.2**	<1.0	<1.0	**3.2**	**14.6**	NR	<1.0	NR	NR	NR
Cadmium	1.75	<1.0	<1.0	<1.0	**22.2**	**53.1**	NR	<1.0	NR	NR	NR
Chromium	50	15.2	<5.0	<5.0	**63.3**	**248**	NR	<5.0	NR	NR	NR
Cobalt	NS	**14.0**	**66.9**	<5.0	**101**	**26.5**	NR	**10.5**	NR	NR	NR
Copper	NS	**35.2**	<5.0	<5.0	**60.2**	**203**	NR	<5.0	NR	NR	NR
Lead	15	**25.5**	<5.0	<5.0	**15.6**	**106**	NR	<5.0	NR	NR	NR
Mercury	NS	<0.20	<0.20	<0.20	<0.20	<0.20	NR	<0.20	NR	NR	NR
Nickel	100	9.8	<5.0	<5.0	38.5	**106**	NR	<5.0	NR	NR	NR
Selenium	NS	<10.0	<10.0	<10.0	**78.1**	**72.1**	NR	<10.0	NR	NR	NR
Thallium	NS	<5.4	<5.4	<5.4	**15.0**	**25.5**	NR	<5.4	NR	NR	NR
Vanadium	NS	**47.9**	<5.0	<5.0	**125**	**439**	NR	<5.0	NR	NR	NR
Zinc	2,100	76.9	21.5	<10.0	205	740	NR	13.7	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 August 26, 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 or source was dry.
NS = No standard; background levels.
Concentrations in boldface exceed the NCGQS.

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

September 08, 2008

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

RE: Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Dear Mr. Ball:
Enclosed are the analytical results for sample(s) received by the laboratory on August 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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(704)875-9092

CERTIFICATIONS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Charlotte Certification IDs

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

Asheville Certification IDs

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

Eden Certification IDs

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

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: EQUIPMENT BLANK **Lab ID: 9226691001** Collected: 08/26/08 13:37 Received: 08/28/08 17:25 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		09/04/08 04:30	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 04:30	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 04:30	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 04:30	107-05-1	
Benzene	**1.5**	ug/L	1.0	1		09/04/08 04:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 04:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 04:30	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 04:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 04:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 04:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 04:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 04:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 04:30	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/08 04:30	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 04:30	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 04:30	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 04:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 04:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 04:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 04:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 04:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 04:30	95-50-1	
1,4-Dichlorobenzene	**1.8**	ug/L	1.0	1		09/04/08 04:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 04:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/08 04:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 04:30	107-06-2	
cis-1,2-Dichloroethene	**2.7**	ug/L	1.0	1		09/04/08 04:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 04:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 04:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 04:30	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 04:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 04:30	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		09/04/08 04:30	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 04:30	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 04:30	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 04:30	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 04:30	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 04:30	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 04:30	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 04:30	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 04:30	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 04:30	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 04:30	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 04:30	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 04:30	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 04:30	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 04:30	107-12-0	

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(704)875-9092

ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: EQUIPMENT BLANK **Lab ID: 9226691001** Collected: 08/26/08 13:37 Received: 08/28/08 17:25 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		09/04/08 04:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 04:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 04:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 04:30	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/08 04:30	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 04:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 04:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 04:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 04:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 04:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 04:30	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 04:30	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 04:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 04:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 04:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 04:30	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 04:30	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		09/04/08 04:30	460-00-4	
Dibromofluoromethane (S)	100	%	85-115	1		09/04/08 04:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		09/04/08 04:30	17060-07-0	
Toluene-d8 (S)	99	%	70-120	1		09/04/08 04:30	2037-26-5	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW1A **Lab ID: 9228691002** Collected: 08/26/08 14:03 Received: 08/28/08 17:25 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	09/03/08 15:27	09/04/08 17:37	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-38-2	
Barium	**157**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-39-3	
Beryllium	**5.2**	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:37	7440-41-7	
Cadmium	ND	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:37	7440-43-9	
Chromium	**15.2**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-47-3	
Cobalt	**14.0**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-48-4	
Copper	**35.2**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-50-8	
Lead	**25.5**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7439-92-1	
Nickel	**9.8**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-02-0	
Selenium	ND	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:37	7782-49-2	
Silver	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-22-4	
Thallium	ND	ug/L	5.4	1	09/03/08 15:27	09/04/08 17:37	7440-28-0	
Vanadium	**47.9**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:37	7440-62-2	
Zinc	**76.9**	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:37	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/02/08 14:20	09/04/08 17:06	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		09/04/08 03:42	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 03:42	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 03:42	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 03:42	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/08 03:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 03:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 03:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 03:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 03:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 03:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 03:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 03:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 03:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/08 03:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 03:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 03:42	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 03:42	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 03:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 03:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 03:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 03:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 03:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 03:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 03:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/08 03:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 03:42	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW1A **Lab ID: 9226691002** Collected: 08/26/08 14:03 Received: 08/28/08 17:25 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		09/04/08 03:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 03:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 03:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 03:42	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 03:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 03:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		09/04/08 03:42	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 03:42	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 03:42	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 03:42	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 03:42	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 03:42	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 03:42	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 03:42	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 03:42	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 03:42	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 03:42	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 03:42	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 03:42	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 03:42	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 03:42	107-12-0	
Styrene	ND	ug/L	1.0	1		09/04/08 03:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 03:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 03:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 03:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/08 03:42	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 03:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 03:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 03:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 03:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 03:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 03:42	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 03:42	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 03:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 03:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 03:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 03:42	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 03:42	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		09/04/08 03:42	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	1		09/04/08 03:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	79-120	1		09/04/08 03:42	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		09/04/08 03:42	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: SW-1 **Lab ID: 9226691003** Collected: 08/26/08 14:18 Received: 08/28/08 17:25 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	**36.6**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-38-2	
Barium	**1340**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-39-3	
Beryllium	**14.6**	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:41	7440-41-7	
Cadmium	**53.1**	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:41	7440-43-9	
Chromium	**248**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-47-3	
Cobalt	**26.5**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-48-4	
Copper	**203**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-50-8	
Lead	**106**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7439-92-1	
Nickel	**106**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-02-0	
Selenium	**72.1**	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:41	7782-49-2	
Silver	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-22-4	
Thallium	**25.5**	ug/L	5.4	1	09/03/08 15:27	09/04/08 17:41	7440-28-0	
Vanadium	**439**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:41	7440-62-2	
Zinc	**740**	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:41	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/02/08 14:20	09/04/08 17:11	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		09/04/08 04:54	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 04:54	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 04:54	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 04:54	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/08 04:54	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 04:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 04:54	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 04:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 04:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 04:54	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 04:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 04:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 04:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/08 04:54	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 04:54	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 04:54	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 04:54	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 04:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 04:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 04:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 04:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 04:54	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 04:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 04:54	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/08 04:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 04:54	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: SW-1 **Lab ID: 9226691003** Collected: 08/26/08 14:18 Received: 08/28/08 17:25 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		09/04/08 04:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 04:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 04:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 04:54	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 04:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 04:54	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		09/04/08 04:54	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 04:54	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 04:54	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 04:54	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 04:54	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 04:54	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 04:54	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 04:54	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 04:54	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 04:54	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 04:54	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 04:54	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 04:54	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 04:54	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 04:54	107-12-0	
Styrene	ND	ug/L	1.0	1		09/04/08 04:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 04:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 04:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 04:54	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/08 04:54	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 04:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 04:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 04:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 04:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 04:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 04:54	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 04:54	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 04:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 04:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 04:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 04:54	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 04:54	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		09/04/08 04:54	460-00-4	
Dibromofluoromethane (S)	99	%	85-115	1		09/04/08 04:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		09/04/08 04:54	17060-07-0	
Toluene-d8 (S)	99	%	70-120	1		09/04/08 04:54	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW-2 **Lab ID: 9226691004** Collected: 08/26/08 14:40 Received: 08/28/08 17:25 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	**5.4**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-38-2	
Barium	**127**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-39-3	
Beryllium	ND	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:47	7440-41-7	
Cadmium	ND	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:47	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-47-3	
Cobalt	**66.9**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-48-4	
Copper	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-50-8	
Lead	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7439-92-1	
Nickel	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-02-0	
Selenium	ND	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:47	7782-49-2	
Silver	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-22-4	
Thallium	ND	ug/L	5.4	1	09/03/08 15:27	09/04/08 17:47	7440-28-0	
Vanadium	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:47	7440-62-2	
Zinc	**21.5**	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:47	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/02/08 14:20	09/04/08 17:16	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		09/04/08 05:17	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 05:17	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 05:17	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 05:17	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/08 05:17	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 05:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 05:17	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 05:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 05:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 05:17	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 05:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 05:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 05:17	108-90-7	
Chloroethane	**4.6**	ug/L	1.0	1		09/04/08 05:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 05:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 05:17	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 05:17	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 05:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 05:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 05:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 05:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 05:17	95-50-1	
1,4-Dichlorobenzene	**2.8**	ug/L	1.0	1		09/04/08 05:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 05:17	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/08 05:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 05:17	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW-2 **Lab ID: 9226691004** Collected: 08/26/08 14:40 Received: 08/28/08 17:25 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		09/04/08 05:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 05:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 05:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 05:17	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 05:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 05:17	10061-02-6	
Diethyl ether (Ethyl ether)	**16.9**	ug/L	1.0	1		09/04/08 05:17	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 05:17	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 05:17	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 05:17	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 05:17	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 05:17	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 05:17	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 05:17	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 05:17	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 05:17	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 05:17	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 05:17	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 05:17	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 05:17	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 05:17	107-12-0	
Styrene	ND	ug/L	1.0	1		09/04/08 05:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 05:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 05:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 05:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/08 05:17	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 05:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 05:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 05:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 05:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 05:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 05:17	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 05:17	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 05:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 05:17	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 05:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 05:17	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 05:17	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		09/04/08 05:17	460-00-4	
Dibromofluoromethane (S)	100	%	85-115	1		09/04/08 05:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		09/04/08 05:17	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		09/04/08 05:17	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW-3 **Lab ID: 9226691005** Collected: 08/26/08 15:10 Received: 08/28/08 17:25 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	09/03/08 15:27	09/04/08 17:58	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-38-2	
Barium	**61.7**	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-39-3	
Beryllium	ND	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:58	7440-41-7	
Cadmium	ND	ug/L	1.0	1	09/03/08 15:27	09/04/08 17:58	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-47-3	
Cobalt	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-48-4	
Copper	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-50-8	
Lead	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7439-92-1	
Nickel	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-02-0	
Selenium	ND	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:58	7782-49-2	
Silver	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-22-4	
Thallium	ND	ug/L	5.4	1	09/03/08 15:27	09/04/08 17:58	7440-28-0	
Vanadium	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 17:58	7440-62-2	
Zinc	ND	ug/L	10.0	1	09/03/08 15:27	09/04/08 17:58	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/02/08 14:20	09/04/08 17:19	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		09/04/08 05:41	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 05:41	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 05:41	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 05:41	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/08 05:41	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 05:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 05:41	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 05:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 05:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 05:41	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 05:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 05:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 05:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/08 05:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 05:41	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 05:41	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 05:41	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 05:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 05:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 05:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 05:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 05:41	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 05:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 05:41	110-57-6	
1,1-Dichloroethane	**1.7**	ug/L	1.0	1		09/04/08 05:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 05:41	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW-3 **Lab ID: 9226691005** Collected: 08/26/08 15:10 Received: 08/28/08 17:25 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	**2.6**	ug/L	1.0	1		09/04/08 05:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 05:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 05:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 05:41	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 05:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 05:41	10061-02-6	
Diethyl ether (Ethyl ether)	**6.7**	ug/L	1.0	1		09/04/08 05:41	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 05:41	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 05:41	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 05:41	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 05:41	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 05:41	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 05:41	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 05:41	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 05:41	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 05:41	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 05:41	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 05:41	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 05:41	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 05:41	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 05:41	107-12-0	
Styrene	ND	ug/L	1.0	1		09/04/08 05:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 05:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 05:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 05:41	127-18-4	
Tetrahydrofuran	**19.1**	ug/L	10.0	1		09/04/08 05:41	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 05:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 05:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 05:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 05:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 05:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 05:41	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 05:41	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 05:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 05:41	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 05:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 05:41	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 05:41	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		09/04/08 05:41	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		09/04/08 05:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120	1		09/04/08 05:41	17060-07-0	
Toluene-d8 (S)	99	%	70-120	1		09/04/08 05:41	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW-4 **Lab ID: 9226691006** Collected: 08/26/08 15:38 Received: 08/28/08 17:25 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	**42.0**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-38-2	
Barium	**993**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-39-3	
Beryllium	**3.2**	ug/L	1.0	1	09/03/08 15:27	09/04/08 18:02	7440-41-7	
Cadmium	**22.2**	ug/L	1.0	1	09/03/08 15:27	09/04/08 18:02	7440-43-9	
Chromium	**63.3**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-47-3	
Cobalt	**101**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-48-4	
Copper	**60.2**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-50-8	
Lead	**15.6**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7439-92-1	
Nickel	**38.5**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-02-0	
Selenium	**78.1**	ug/L	10.0	1	09/03/08 15:27	09/04/08 18:02	7782-49-2	
Silver	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-22-4	
Thallium	**15.0**	ug/L	5.4	1	09/03/08 15:27	09/04/08 18:02	7440-28-0	
Vanadium	**125**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:02	7440-62-2	
Zinc	**205**	ug/L	10.0	1	09/03/08 15:27	09/04/08 18:02	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/02/08 14:20	09/04/08 17:21	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		09/04/08 06:05	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 06:05	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 06:05	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 06:05	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/08 06:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 06:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 06:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 06:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 06:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 06:05	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 06:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 06:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 06:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/08 06:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 06:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 06:05	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 06:05	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 06:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 06:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 06:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 06:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 06:05	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 06:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 06:05	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/08 06:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 06:05	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: MW-4 **Lab ID: 9226691006** Collected: 08/26/08 15:38 Received: 08/28/08 17:25 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		09/04/08 06:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 06:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 06:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 06:05	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 06:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 06:05	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		09/04/08 06:05	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 06:05	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 06:05	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 06:05	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 06:05	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 06:05	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 06:05	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 06:05	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 06:05	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 06:05	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 06:05	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 06:05	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 06:05	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 06:05	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 06:05	107-12-0	
Styrene	ND	ug/L	1.0	1		09/04/08 06:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 06:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 06:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 06:05	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/08 06:05	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 06:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 06:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 06:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 06:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 06:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 06:05	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 06:05	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 06:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 06:05	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 06:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 06:05	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 06:05	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		09/04/08 06:05	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		09/04/08 06:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120	1		09/04/08 06:05	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		09/04/08 06:05	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: SW-3 **Lab ID: 9226691007** Collected: 08/26/08 15:42 Received: 08/28/08 17:25 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	09/03/08 15:27	09/04/08 18:08	7440-36-0	
Arsenic	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-38-2	
Barium	**56.2**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-39-3	
Beryllium	ND	ug/L	1.0	1	09/03/08 15:27	09/04/08 18:08	7440-41-7	
Cadmium	ND	ug/L	1.0	1	09/03/08 15:27	09/04/08 18:08	7440-43-9	
Chromium	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-47-3	
Cobalt	**10.5**	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-48-4	
Copper	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-50-8	
Lead	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7439-92-1	
Nickel	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-02-0	
Selenium	ND	ug/L	10.0	1	09/03/08 15:27	09/04/08 18:08	7782-49-2	
Silver	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-22-4	
Thallium	ND	ug/L	5.4	1	09/03/08 15:27	09/04/08 18:08	7440-28-0	
Vanadium	ND	ug/L	5.0	1	09/03/08 15:27	09/04/08 18:08	7440-62-2	
Zinc	**13.7**	ug/L	10.0	1	09/03/08 15:27	09/04/08 18:08	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	09/02/08 14:20	09/04/08 17:24	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		09/04/08 06:29	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 06:29	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 06:29	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 06:29	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/08 06:29	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 06:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 06:29	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 06:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 06:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 06:29	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 06:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 06:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 06:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/08 06:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 06:29	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 06:29	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 06:29	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 06:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 06:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 06:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 06:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 06:29	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 06:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 06:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/08 06:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 06:29	107-06-2	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: SW-3 **Lab ID: 9226691007** Collected: 08/26/08 15:42 Received: 08/28/08 17:25 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		09/04/08 06:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 06:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 06:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 06:29	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 06:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 06:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		09/04/08 06:29	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 06:29	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 06:29	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 06:29	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 06:29	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 06:29	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 06:29	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 06:29	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 06:29	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 06:29	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 06:29	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 06:29	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 06:29	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 06:29	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 06:29	107-12-0	
Styrene	ND	ug/L	1.0	1		09/04/08 06:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 06:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 06:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 06:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/08 06:29	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 06:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 06:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 06:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 06:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 06:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 06:29	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 06:29	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 06:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 06:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 06:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 06:29	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 06:29	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		09/04/08 06:29	460-00-4	
Dibromofluoromethane (S)	99	%	85-115	1		09/04/08 06:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	79-120	1		09/04/08 06:29	17060-07-0	
Toluene-d8 (S)	100	%	70-120	1		09/04/08 06:29	2037-26-5	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: TRIP BLANK **Lab ID: 9226691008** Collected: 08/26/08 00:00 Received: 08/28/08 17:25 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		09/04/08 04:06	67-64-1	
Acrolein	ND	ug/L	10.0	1		09/04/08 04:06	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		09/04/08 04:06	107-13-1	
Allyl chloride	ND	ug/L	2.0	1		09/04/08 04:06	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/08 04:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		09/04/08 04:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/08 04:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/04/08 04:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/04/08 04:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/08 04:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		09/04/08 04:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/08 04:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/08 04:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/08 04:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/08 04:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/04/08 04:06	74-87-3	
Cyclohexane	ND	ug/L	1.0	1		09/04/08 04:06	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	1		09/04/08 04:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/08 04:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/08 04:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/04/08 04:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 04:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/08 04:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		09/04/08 04:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/08 04:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/08 04:06	107-06-2	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 04:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/08 04:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/04/08 04:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/08 04:06	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 04:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/04/08 04:06	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	1.0	1		09/04/08 04:06	60-29-7	
Diisopropyl ether	ND	ug/L	1.0	1		09/04/08 04:06	108-20-3	
Ethyl acetate	ND	ug/L	20.0	1		09/04/08 04:06	141-78-6	
Ethylbenzene	ND	ug/L	1.0	1		09/04/08 04:06	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	1		09/04/08 04:06	97-63-2	
n-Hexane	ND	ug/L	1.0	1		09/04/08 04:06	110-54-3	
Iodomethane	ND	ug/L	5.0	1		09/04/08 04:06	74-88-4	
Isobutanol	ND	ug/L	100	1		09/04/08 04:06	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	1		09/04/08 04:06	126-98-7	
Methyl acetate	ND	ug/L	10.0	1		09/04/08 04:06	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1		09/04/08 04:06	108-87-2	
Methylene Chloride	ND	ug/L	2.0	1		09/04/08 04:06	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	1		09/04/08 04:06	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/08 04:06	108-10-1	
Propionitrile	ND	ug/L	20.0	1		09/04/08 04:06	107-12-0	

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ANALYTICAL RESULTS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

Sample: TRIP BLANK **Lab ID: 9226691008** Collected: 08/26/08 00:00 Received: 08/28/08 17:25 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		09/04/08 04:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 04:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/08 04:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/04/08 04:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/08 04:06	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/08 04:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/08 04:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/08 04:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/04/08 04:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/08 04:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		09/04/08 04:06	96-18-4	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	1		09/04/08 04:06	526-73-8	
Vinyl acetate	ND	ug/L	2.0	1		09/04/08 04:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		09/04/08 04:06	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		09/04/08 04:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/04/08 04:06	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		09/04/08 04:06	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		09/04/08 04:06	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		09/04/08 04:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	79-120	1		09/04/08 04:06	17060-07-0	
Toluene-d8 (S)	99	%	70-120	1		09/04/08 04:06	2037-26-5	

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QUALITY CONTROL DATA

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

QC Batch: MERP/1683 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9226691002, 9226691003, 9226691004, 9226691005, 9226691006, 9226691007

METHOD BLANK: 161573 Matrix: Water
Associated Lab Samples: 9226691002, 9226691003, 9226691004, 9226691005, 9226691006, 9226691007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	09/04/08 16:56	

LABORATORY CONTROL SAMPLE: 161574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.3	93	80-120	

MATRIX SPIKE SAMPLE: 161575

Parameter	Units	9226691002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.7	66	75-125	M1

SAMPLE DUPLICATE: 161576

Parameter	Units	9226691003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND	90	

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QUALITY CONTROL DATA

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

QC Batch: MPRP/2948 — Analysis Method: EPA 6010 GW North Carolina
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9226691002, 9226691003, 9226691004, 9226691005, 9226691006, 9226691007

METHOD BLANK: 161995 — Matrix: Water
Associated Lab Samples: 9226691002, 9226691003, 9226691004, 9226691005, 9226691006, 9226691007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	09/04/08 17:07	
Arsenic	ug/L	ND	5.0	09/04/08 17:07	
Barium	ug/L	ND	5.0	09/04/08 17:07	
Beryllium	ug/L	ND	1.0	09/04/08 17:07	
Cadmium	ug/L	ND	1.0	09/04/08 17:07	
Chromium	ug/L	ND	5.0	09/04/08 17:07	
Cobalt	ug/L	ND	5.0	09/04/08 17:07	
Copper	ug/L	ND	5.0	09/04/08 17:07	
Lead	ug/L	ND	5.0	09/04/08 17:07	
Nickel	ug/L	ND	5.0	09/04/08 17:07	
Selenium	ug/L	ND	10.0	09/04/08 17:07	
Silver	ug/L	ND	5.0	09/04/08 17:07	
Thallium	ug/L	ND	5.4	09/04/08 17:07	
Vanadium	ug/L	ND	5.0	09/04/08 17:07	
Zinc	ug/L	ND	10.0	09/04/08 17:07	

LABORATORY CONTROL SAMPLE: 161996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	499	100	80-120	
Arsenic	ug/L	500	503	101	80-120	
Barium	ug/L	500	489	98	80-120	
Beryllium	ug/L	500	498	100	80-120	
Cadmium	ug/L	500	496	99	80-120	
Chromium	ug/L	500	505	101	80-120	
Cobalt	ug/L	500	502	100	80-120	
Copper	ug/L	500	495	99	80-120	
Lead	ug/L	500	496	99	80-120	
Nickel	ug/L	500	499	100	80-120	
Selenium	ug/L	500	488	98	80-120	
Silver	ug/L	250	246	98	80-120	
Thallium	ug/L	500	476	95	80-120	
Vanadium	ug/L	500	500	100	80-120	
Zinc	ug/L	500	547	109	80-120	

MATRIX SPIKE SAMPLE: 161997

Parameter	Units	9226787001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	10.2	500	476	93	75-125	
Arsenic	ug/L	ND	500	477	95	75-125	

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QUALITY CONTROL DATA

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

MATRIX SPIKE SAMPLE: 161997

Parameter	Units	9226787001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	997	500	1420	85	75-125	
Beryllium	ug/L	ND	500	442	88	75-125	
Cadmium	ug/L	ND	500	424	85	75-125	
Chromium	ug/L	0.60J	500	438	87	75-125	
Cobalt	ug/L	6.3	500	419	83	75-125	
Copper	ug/L	ND	500	460	92	75-125	
Lead	ug/L	ND	500	413	83	75-125	
Nickel	ug/L	ND	500	418	83	75-125	
Selenium	ug/L	17.3	500	480	93	75-125	
Silver	ug/L	3.4J	250	233	92	75-125	
Thallium	ug/L	3.1J	500	390	77	75-125	
Vanadium	ug/L	1.2J	500	445	89	75-125	
Zinc	ug/L	4.7J	500	449	89	75-125	

SAMPLE DUPLICATE: 161998

Parameter	Units	9226787002 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	8.2	8.0	2	
Arsenic	ug/L	ND	ND	124	R3
Barium	ug/L	598	573	4	
Beryllium	ug/L	ND	ND	0	
Cadmium	ug/L	ND	ND	0	
Chromium	ug/L	1.2J	1J	12	
Cobalt	ug/L	4.8J	4.2J	12	
Copper	ug/L	ND	ND	0	
Lead	ug/L	ND	ND	0	
Nickel	ug/L	ND	ND	7	
Selenium	ug/L	13.4	11.0	20	
Silver	ug/L	2.1J	2J	9	
Thallium	ug/L	ND	ND	200	R3
Vanadium	ug/L	1.3J	1.3J	0	
Zinc	ug/L	43.3	42.2	3	

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QUALITY CONTROL DATA

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

QC Batch: MSV/4475 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9226691001, 9226691002, 9226691003, 9226691004, 9226691005, 9226691006, 9226691007, 9226691008

METHOD BLANK: 162196 Matrix: Water
Associated Lab Samples: 9226691001, 9226691002, 9226691003, 9226691004, 9226691005, 9226691006, 9226691007, 9226691008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/04/08 02:08	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/04/08 02:08	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/04/08 02:08	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/04/08 02:08	
1,1-Dichloroethane	ug/L	ND	1.0	09/04/08 02:08	
1,2,3-Trichloropropane	ug/L	ND	1.0	09/04/08 02:08	
1,2,3-Trimethylbenzene	ug/L	ND	1.0	09/04/08 02:08	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	09/04/08 02:08	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/04/08 02:08	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/04/08 02:08	
1,2-Dichloroethane	ug/L	ND	1.0	09/04/08 02:08	
1,2-Dichloropropane	ug/L	ND	1.0	09/04/08 02:08	
1,3-Dichloropropane	ug/L	ND	1.0	09/04/08 02:08	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/04/08 02:08	
2-Butanone (MEK)	ug/L	ND	5.0	09/04/08 02:08	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/04/08 02:08	
Acetone	ug/L	ND	25.0	09/04/08 02:08	
Acrolein	ug/L	ND	10.0	09/04/08 02:08	
Acrylonitrile	ug/L	ND	10.0	09/04/08 02:08	
Allyl chloride	ug/L	ND	2.0	09/04/08 02:08	
Benzene	ug/L	ND	1.0	09/04/08 02:08	
Bromochloromethane	ug/L	ND	1.0	09/04/08 02:08	
Bromodichloromethane	ug/L	ND	1.0	09/04/08 02:08	
Bromoform	ug/L	ND	1.0	09/04/08 02:08	
Bromomethane	ug/L	ND	5.0	09/04/08 02:08	
Carbon disulfide	ug/L	ND	2.0	09/04/08 02:08	
Carbon tetrachloride	ug/L	ND	1.0	09/04/08 02:08	
Chlorobenzene	ug/L	ND	1.0	09/04/08 02:08	
Chloroethane	ug/L	ND	1.0	09/04/08 02:08	
Chloroform	ug/L	ND	1.0	09/04/08 02:08	
Chloromethane	ug/L	ND	1.0	09/04/08 02:08	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/04/08 02:08	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/04/08 02:08	
Cyclohexane	ug/L	ND	1.0	09/04/08 02:08	
Dibromochloromethane	ug/L	ND	1.0	09/04/08 02:08	
Dibromomethane	ug/L	ND	1.0	09/04/08 02:08	
Diethyl ether (Ethyl ether)	ug/L	ND	1.0	09/04/08 02:08	
Diisopropyl ether	ug/L	ND	1.0	09/04/08 02:08	
Ethyl acetate	ug/L	ND	20.0	09/04/08 02:08	
Ethyl methacrylate	ug/L	ND	1.0	09/04/08 02:08	
Ethylbenzene	ug/L	ND	1.0	09/04/08 02:08	
Iodomethane	ug/L	ND	5.0	09/04/08 02:08	
Isobutanol	ug/L	ND	100	09/04/08 02:08	

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QUALITY CONTROL DATA

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

METHOD BLANK: 162196 Matrix: Water

Associated Lab Samples: 9226691001, 9226691002, 9226691003, 9226691004, 9226691005, 9226691006, 9226691007, 9226691008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	2.0	09/04/08 02:08	
Methacrylonitrile	ug/L	ND	10.0	09/04/08 02:08	
Methyl acetate	ug/L	ND	10.0	09/04/08 02:08	
Methyl methacrylate	ug/L	ND	2.0	09/04/08 02:08	
Methylcyclohexane	ug/L	ND	10.0	09/04/08 02:08	
Methylene Chloride	ug/L	ND	2.0	09/04/08 02:08	
n-Hexane	ug/L	ND	1.0	09/04/08 02:08	
o-Xylene	ug/L	ND	1.0	09/04/08 02:08	
Propionitrile	ug/L	ND	20.0	09/04/08 02:08	
Styrene	ug/L	ND	1.0	09/04/08 02:08	
Tetrachloroethene	ug/L	ND	1.0	09/04/08 02:08	
Tetrahydrofuran	ug/L	ND	10.0	09/04/08 02:08	
Toluene	ug/L	ND	1.0	09/04/08 02:08	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/04/08 02:08	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/04/08 02:08	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	09/04/08 02:08	
Trichloroethene	ug/L	ND	1.0	09/04/08 02:08	
Trichlorofluoromethane	ug/L	ND	1.0	09/04/08 02:08	
Vinyl acetate	ug/L	ND	2.0	09/04/08 02:08	
Vinyl chloride	ug/L	ND	1.0	09/04/08 02:08	
Xylene (Total)	ug/L	ND	2.0	09/04/08 02:08	
1,2-Dichloroethane-d4 (S)	%	100	79-120	09/04/08 02:08	
4-Bromofluorobenzene (S)	%	98	87-109	09/04/08 02:08	
Dibromofluoromethane (S)	%	97	85-115	09/04/08 02:08	
Toluene-d8 (S)	%	100	70-120	09/04/08 02:08	

LABORATORY CONTROL SAMPLE: 162197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.2	94	83-125	
1,1,1-Trichloroethane	ug/L	50	47.1	94	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	45.6	91	73-127	
1,1,2-Trichloroethane	ug/L	50	48.6	97	77-123	
1,1-Dichloroethane	ug/L	50	47.8	96	76-129	
1,2,3-Trichloropropane	ug/L	50	47.4	95	72-125	
1,2,3-Trimethylbenzene	ug/L	50	50.7	101	68-127	
1,2-Dibromo-3-chloropropane	ug/L	50	48.9	98	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	49.1	98	81-125	
1,2-Dichlorobenzene	ug/L	50	48.9	98	82-126	
1,2-Dichloroethane	ug/L	50	47.6	95	72-126	
1,2-Dichloropropane	ug/L	50	47.9	96	80-127	
1,3-Dichloropropane	ug/L	50	47.9	96	79-124	
1,4-Dichlorobenzene	ug/L	50	47.5	95	79-125	
2-Butanone (MEK)	ug/L	100	105	105	50-134	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	70-131	

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QUALITY CONTROL DATA

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

LABORATORY CONTROL SAMPLE: 162197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	100	110	110	50-146	
Acrolein	ug/L	250	211	84	55-143	
Acrylonitrile	ug/L	250	265	106	66-124	
Allyl chloride	ug/L	50	41.4	83	73-141	
Benzene	ug/L	50	47.6	95	78-128	
Bromochloromethane	ug/L	50	48.8	98	73-124	
Bromodichloromethane	ug/L	50	48.3	97	81-125	
Bromoform	ug/L	50	50.7	101	71-125	
Bromomethane	ug/L	50	48.4	97	50-150	
Carbon disulfide	ug/L	50	47.3	95	54-150	
Carbon tetrachloride	ug/L	50	45.5	91	81-137	
Chlorobenzene	ug/L	50	47.9	96	82-126	
Chloroethane	ug/L	50	42.3	85	69-140	
Chloroform	ug/L	50	47.9	96	77-129	
Chloromethane	ug/L	50	45.7	91	54-139	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	76-133	
cis-1,3-Dichloropropene	ug/L	50	46.9	94	76-127	
Cyclohexane	ug/L	50	49.4	99	50-150	
Dibromochloromethane	ug/L	50	48.2	96	77-125	
Dibromomethane	ug/L	50	48.6	97	77-125	
Diethyl ether (Ethyl ether)	ug/L	50	49.7	99	50-150	
Diisopropyl ether	ug/L	50	48.4	97	74-131	
Ethyl acetate	ug/L	100	99.3	99	50-150	
Ethyl methacrylate	ug/L	50	51.6	103	73-129	
Ethylbenzene	ug/L	50	47.7	95	80-127	
Iodomethane	ug/L	100	90.4	90	65-172	
Isobutanol	ug/L	1000	943	94	50-150	
m&p-Xylene	ug/L	100	82.4	82	82-127	
Methacrylonitrile	ug/L	500	496	99	70-128	
Methyl acetate	ug/L	50	48.2	96	50-150	
Methyl methacrylate	ug/L	50	51.6	103	79-122	
Methylcyclohexane	ug/L	50	46.3	93	50-150	
Methylene Chloride	ug/L	50	51.7	103	67-133	
n-Hexane	ug/L	50	43.2	86	50-150	
o-Xylene	ug/L	50	46.3	93	83-124	
Propionitrile	ug/L	500	498	100	65-129	
Styrene	ug/L	50	50.1	100	80-130	
Tetrachloroethene	ug/L	50	47.2	94	78-128	
Tetrahydrofuran	ug/L	500	501	100	59-130	
Toluene	ug/L	50	46.4	93	76-126	
trans-1,2-Dichloroethene	ug/L	50	46.6	93	78-134	
trans-1,3-Dichloropropene	ug/L	50	47.3	95	75-125	
trans-1,4-Dichloro-2-butene	ug/L	50	43.3	87	51-140	
Trichloroethene	ug/L	50	48.1	96	79-127	
Trichlorofluoromethane	ug/L	50	45.2	90	76-148	
Vinyl acetate	ug/L	100	92.0	92	50-150	
Vinyl chloride	ug/L	50	48.2	96	67-143	
Xylene (Total)	ug/L	150	129	86	83-125	

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

QUALITY CONTROL DATA

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

LABORATORY CONTROL SAMPLE: 162197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			102	79-120	
4-Bromofluorobenzene (S)	%			100	87-109	
Dibromofluoromethane (S)	%			98	85-115	
Toluene-d8 (S)	%			100	70-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 162198 162199

Parameter	Units	9226691002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	50	50	55.3	58.4	111	117	74-136	5	
Chlorobenzene	ug/L	ND	50	50	52.2	55.1	104	110	79-135	5	
Toluene	ug/L	ND	50	50	51.4	54.0	103	108	73-131	5	
Trichloroethene	ug/L	ND	50	50	53.4	55.4	107	111	73-131	4	
1,2-Dichloroethane-d4 (S)	%						101	103	79-120		
4-Bromofluorobenzene (S)	%						98	98	87-109		
Dibromofluoromethane (S)	%						97	99	85-115		
Toluene-d8 (S)	%						99	99	70-120		

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Pace Analytical®
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Asheville, NC 28804
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QUALIFIERS

Project: WARREN COUNTY LANDFILL
Pace Project No.: 9226691

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

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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TestAmerica INCORPORATED

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring: YES

Client Name: RESOLVE ENV Client #:
Address: 410 E. FRANKLIN ST
City/State/Zip Code: MONROE, NC
Project Manager: LAURA MINOR
Telephone Number: 704-289-5881 Fax:
Sampler Name: (Print Name) JERRY KENNEDY
Sampler Signature: Jerry Kennedy

Project Name: WARREN COUNTY LANDFILL
Project #:
Site/Location ID: WARRENTON State: NC
Report To: LAURA MINOR
Invoice To: LAURA MINOR
Quote #: PO#:

TAT: ___ Standard ___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y N

QC Deliverables: ___ None ___ Level 2 (Batch QC) ___ Level 3 ___ Level 4 Other:

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Appendix I VOCs	Appendix I Metals									REMARKS
EQUIPMENT BLANK	8/26/08	1337	G		DI		3						X										001
MW 1A		1403			GW	1	3						X	X									5383
SW-1		1418				1	3						X	X									5384
MW-2		1440				1	3						X	X									5385
MW-3		1510				1	3						X	X									5386
MW-4		1538				1	3						X	X									5387
SW-3		1542				1	3						X	X									5388
TRIP BLANK					DI		2						X										

Special Instructions:

Relinquished By:	Date: 8/26/08	Time: 1515	Received By:	Date: 8/26/08	Time: 1515
Relinquished By:	Date: 8/26/08	Time: 1725	Received By:	Date: 8/26/08	Time: 1725
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 5°C
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

Pace Analytical

Sample Condition Upon Receipt

Client Name: Resolve Env Project # 9226691

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 5.9 Biological Tissue is Frozen: Yes No (N/A)

Date and Initials of person examining contents: EB 08/28/08

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: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
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. 2-40 ml vials with HCL water
Trip Blank Custody Seals Present	☑Yes ☐No ~~☐N/A~~	
Pace Trip Blank Lot # (if purchased): N/A		

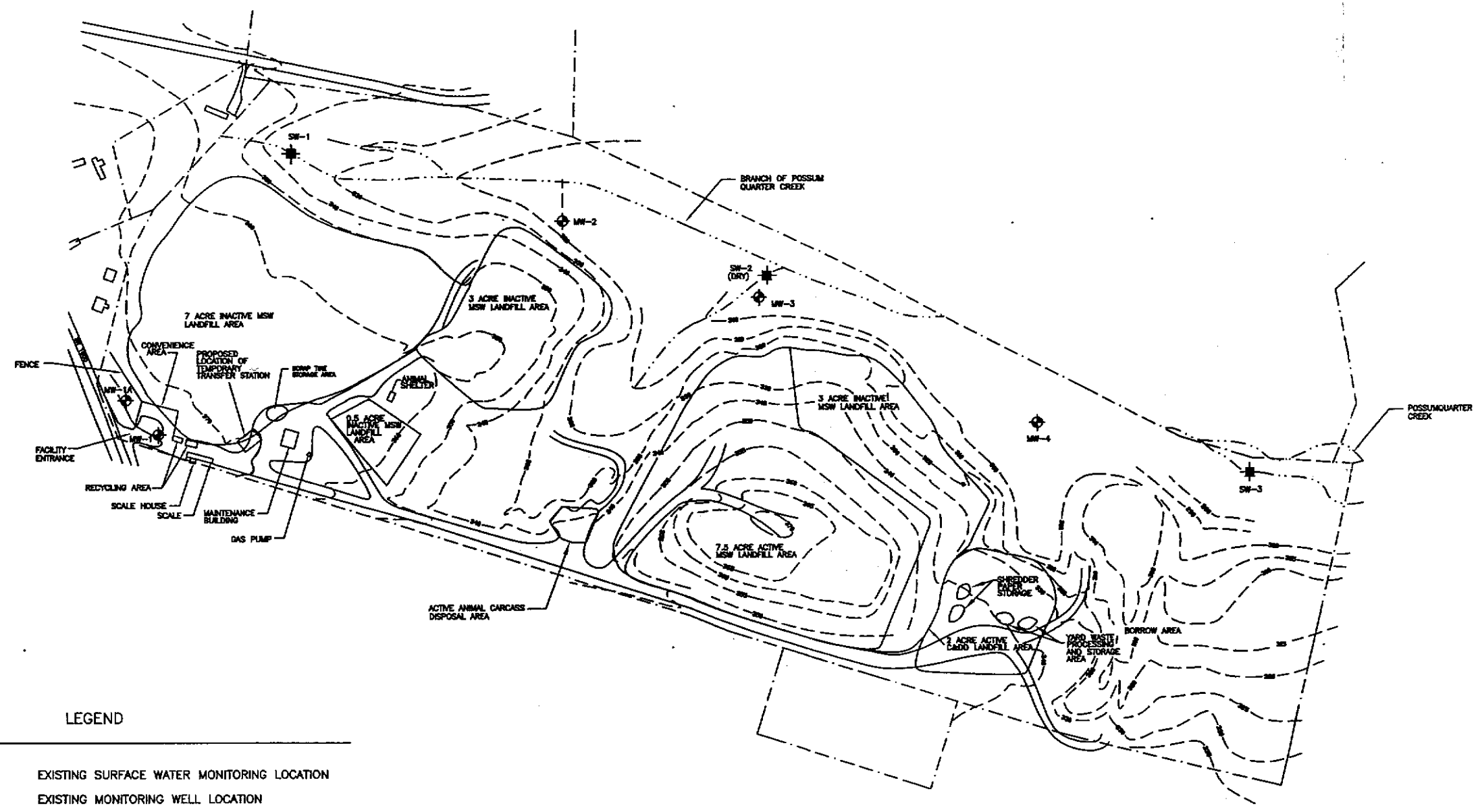
Client Notification/ Resolution: Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] Date: 8/28/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)



LEGEND

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

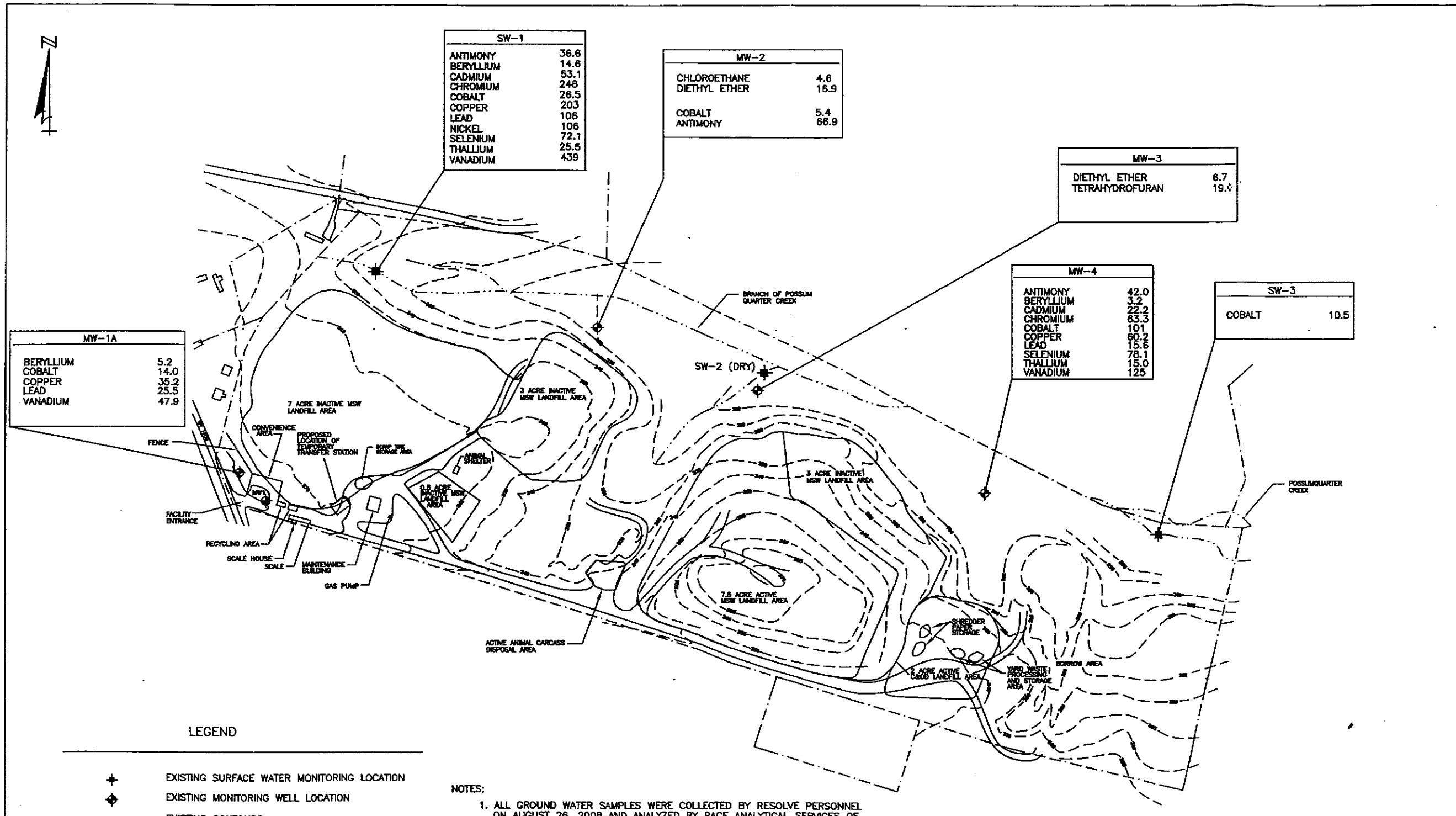
SOURCE: HAZEN AND SAWYER ENVIRONMENTAL ENGINEERS AND SCIENTISTS

0 300
SCALE IN FEET

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

FIGURE 2.
SAMPLING LOCATION MAP

WARREN COUNTY LANDFILL
WARRENTON, NORTH CAROLINA



LEGEND

- EXISTING SURFACE WATER MONITORING LOCATION
- EXISTING MONITORING WELL LOCATION
- EXISTING CONTOURS
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NOTES:

1. ALL GROUND WATER SAMPLES WERE COLLECTED BY RESOLVE PERSONNEL ON AUGUST 26, 2008 AND ANALYZED BY PACE ANALYTICAL SERVICES OF HUNTERSVILLE, NORTH CAROLINA.
2. RESULTS PRESENTED IN MICROGRAMS PER LITER (ug/l).
3. ONLY THOSE COMPOUNDS DETECTED AT OR ABOVE THE REPORTING LIMIT NCGQS HAVE BEEN INCLUDED ON THE MAP
4. ANALYSES FOR APPENDIX I VOCS BY METHOD 8260
5. ANALYSES FOR APPENDIX I METALS BY METHODS 6010 AND 7470

SOURCE: HAZEN AND SAWYER ENVIRONMENTAL ENGINEERS AND SCIENTISTS

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

FIGURE 3.
SITE LAYOUT MAP WITH ASSOCIATED ANALYTICAL RESULTS

WARREN COUNTY LANDFILL
WARRENTON, NORTH CAROLINA