P0152 RC02220

Resolve Environmental Services, PLLC

410 East Franklin Street
Monroe, North Carolina 28112
704-289-5881

Received
APR
Solid Waste
Section

April 17, 2007

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

Re: Semi-Annual Groundwater Monitoring Event
Warren County Closed Sanitary Landfill
Warrenton, NC

Dear Mr. Poindexter:

Enclosed is a copy of the Second Semi-Annual 2006 Groundwater Monitoring Event for the Warren County closed Sanitary Landfill.

Please call me if you have any questions or require any further information.

Sincerely,

Resolve Environmental Services, PLLC

Terry D. Kennedy /jb

Terry D. Kennedy, P. G.
Owner/Principal

Enclosures

cc: Mr. Marshall Brothers – Warren County Health Department

Resolve Environmental Services, PLLC

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

Received

April 1, 2007

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

Re: Second Semi-Annual 2006 Groundwater 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 2007 groundwater monitoring activities conducted at the Warren County Closed Sanitary Landfill (CSL) located in Warrenton, North Carolina. The groundwater monitoring activities were conducted in general accordance with North Carolina Department of Environment and Natural Resources (DENR), Division of Solid Waste Management guidelimes. A site location map is presented in Figure 1.

Groundwater Sampling and Analysis

On February 22, 2007, Resolve personnel collected groundwater samples from monitor wells MW-1A, MW-2, MW-3, and MW-4 and the private water supply well WS-1 located at a residence adjacent to the landfill.

Prior to collecting groundwater samples from the monitor wells, water levels were measured in each well from the top of the well casing. Based on the water levels, Resolve personnel calculated the volume of standing water in monitor wells MW-1A, MW-2, MW-3, and MW-4. These monitor wells were then purged of three well volumes using disposable Teflon® bailers. As generated, the purge water was discharged to the ground surface at the respective well heads. The water supply well was purged by allowing the water to run for approximately 10 minutes.

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.

The monitor well samples 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, as required by the DENR. The water supply well sample was 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 buffer solutions of 4.0 pH and for specific conductance using a standard of 1,500 micromhos (μmhos).

The groundwater 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 groundwater and surface water analytical results are summarized in Table 2. The groundwater and surface water sampling points and the associated analytical results are also presented in Figure 2. Laboratory data sheets are presented in Attachment A.

Benzene, 1,2-dichloroethene, and cis-1,2-dichloroethene were detected in the groundwater sample collected from monitoring Well **MW-1A** at concentrations of 1.4 micrograms per liter (μg/l), 2.5 μg/l and 2.5 μg/l, respectively. Benzene, cis-1,2-dichloroethene, chlorobenzene, chloroethane, 1,2,-dichloroethene and 1,4 dichloroethane were detected in the sample collected from monitoring well **MW-2** at concentrations of 8.15 μg/l, 1.3 μg/l, 1.1 μg/l. 7.8 μg/l, 8.1 μg/l, and 3.8 μg/l, respectively. Cis-1,2-Dichloroethene, 1,2-dichloroethene, and 1,1-dichloroethane were detected in the groundwater sample collected from monitoring well **MW-3** at concentrations of 3.9 μg/l, 3.9 μg/l and 2.6 μg/l, respectively. 1,2-dichloroethene was detected in the surface water sample collected from SW-1 at a concentration of 1.4 μg/l.

Arsenic, barium, beryllium, chromium, copper, lead, nickel, selenium, thallium, vanadium and lead were detected in the groundwater sample collected from monitoring well **MW-1A** at concentrations of 8.6 μg/l, 290 μg/l, 13 μg/l, 33 μg/l, 77 μg/l, 61 μg/l, 17 μg/l, 11 μg/l, 10 μg/l, 140 μg/l and 150 μg/l, respectively.

Barium, cobalt, copper and zinc were detected in the groundwater sample collected from monitoring well **MW-2** at concentrations of 130 μg/l. 99 μg/l, 3.0 μg/l, and 27 μg/l, respectively.

Barium was detected in the groundwater sample collected from monitoring well **MW 3** at a concentration of 61 μg/l.

Barium and zinc were detected in the groundwater sample collected from monitoring well **MW-4** at concentrations of 46 μg/l, and 58 μg/l, respectively.

Barium, cobalt, copper, nickel and zinc were detected in the groundwater sample collected from surface water sample **SW-1** at concentrations of 120 μg/l, 29 μg/l, 2.7 μg/l, 8.5 μg/l, and 14 μg/l, respectively.

Barium was detected in **SW-2**, **SW-3** at concentrations of 40 μg/l, and 47 μg/l, respectively.

Detectable concentrations of zinc, copper and barium were detected in the sample collected from the off-site water supply well. None of the detectable concentrations exceed the T15A NCAC 02L.0202 ground water quality standards.

We anticipate conducting the next semi-annual monitoring event at this landfill in August 2007.

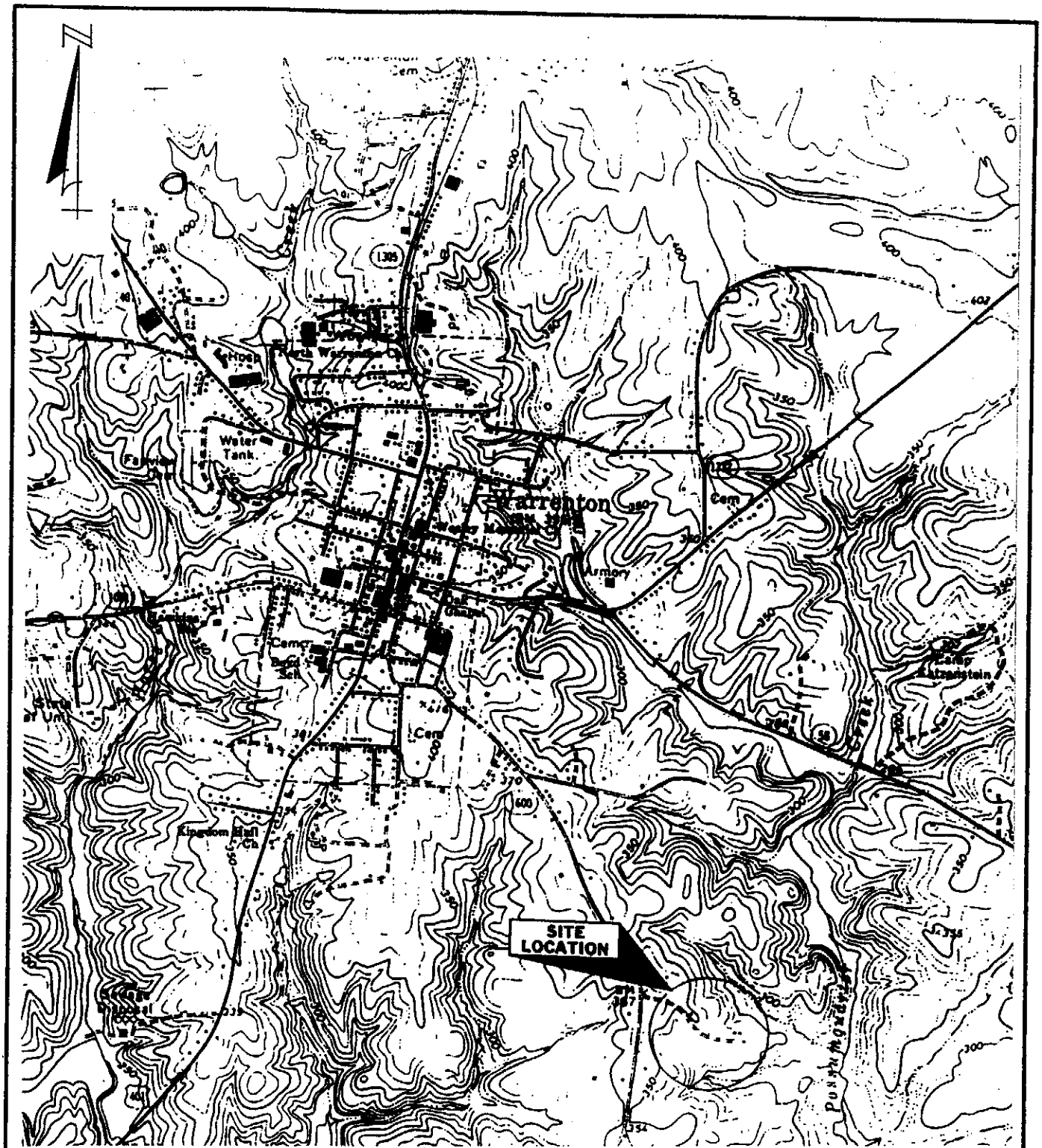
Please call if you have any questions or require any additional information at (704) 289-5881.

Sincerely,

Resolve Environmental Services, PLLC

Terry D. Kennedy, P.G.
Principal

Figures



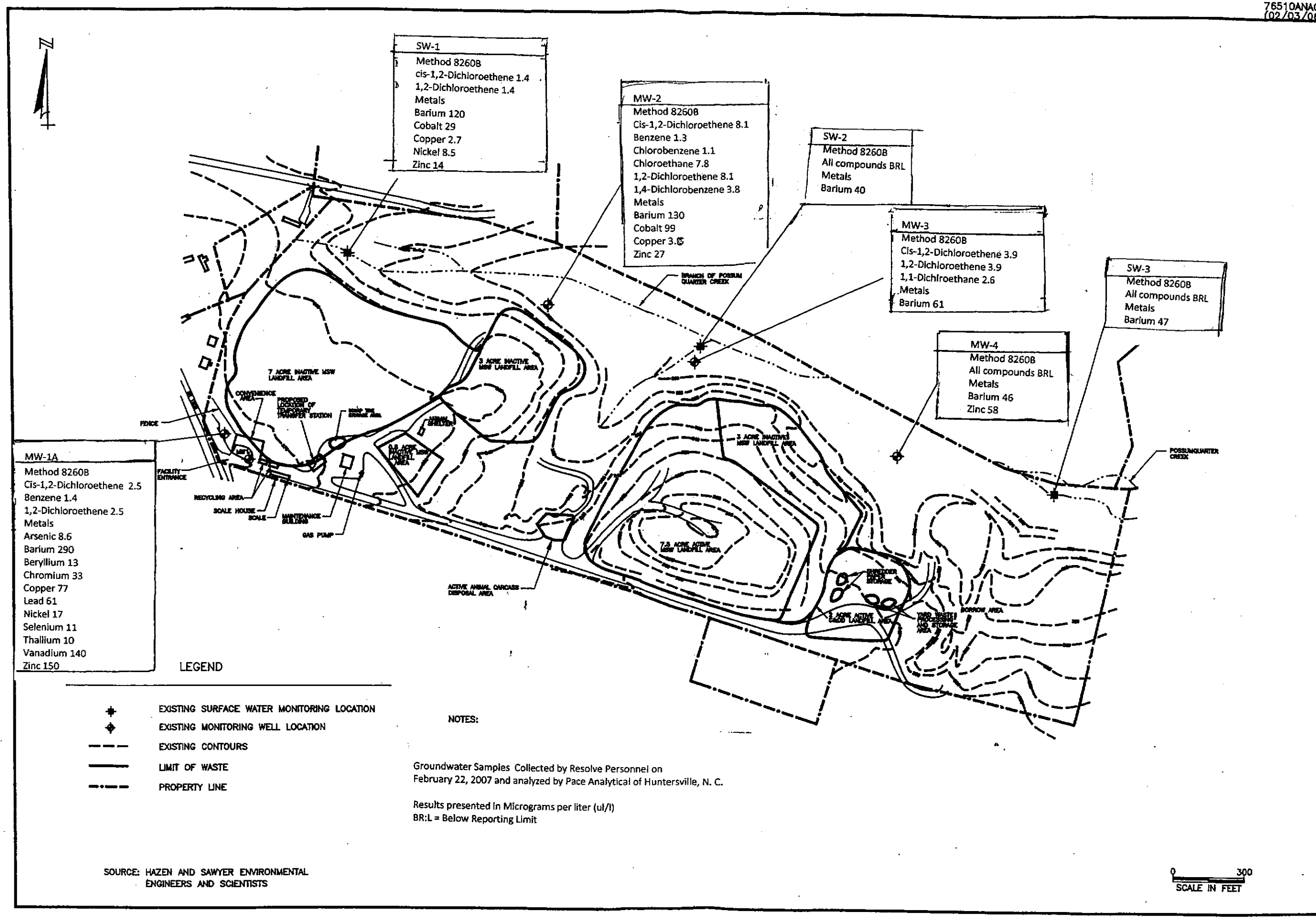
SOURCE: WARRENTON (1970) QUADRANGLE
NORTH CAROLINA–WARREN COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)

0 2000
SCALE IN FEET

(02/03/06)
7651OLOC.DWG

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

76510ANA0106.DWG
(02/03/06)

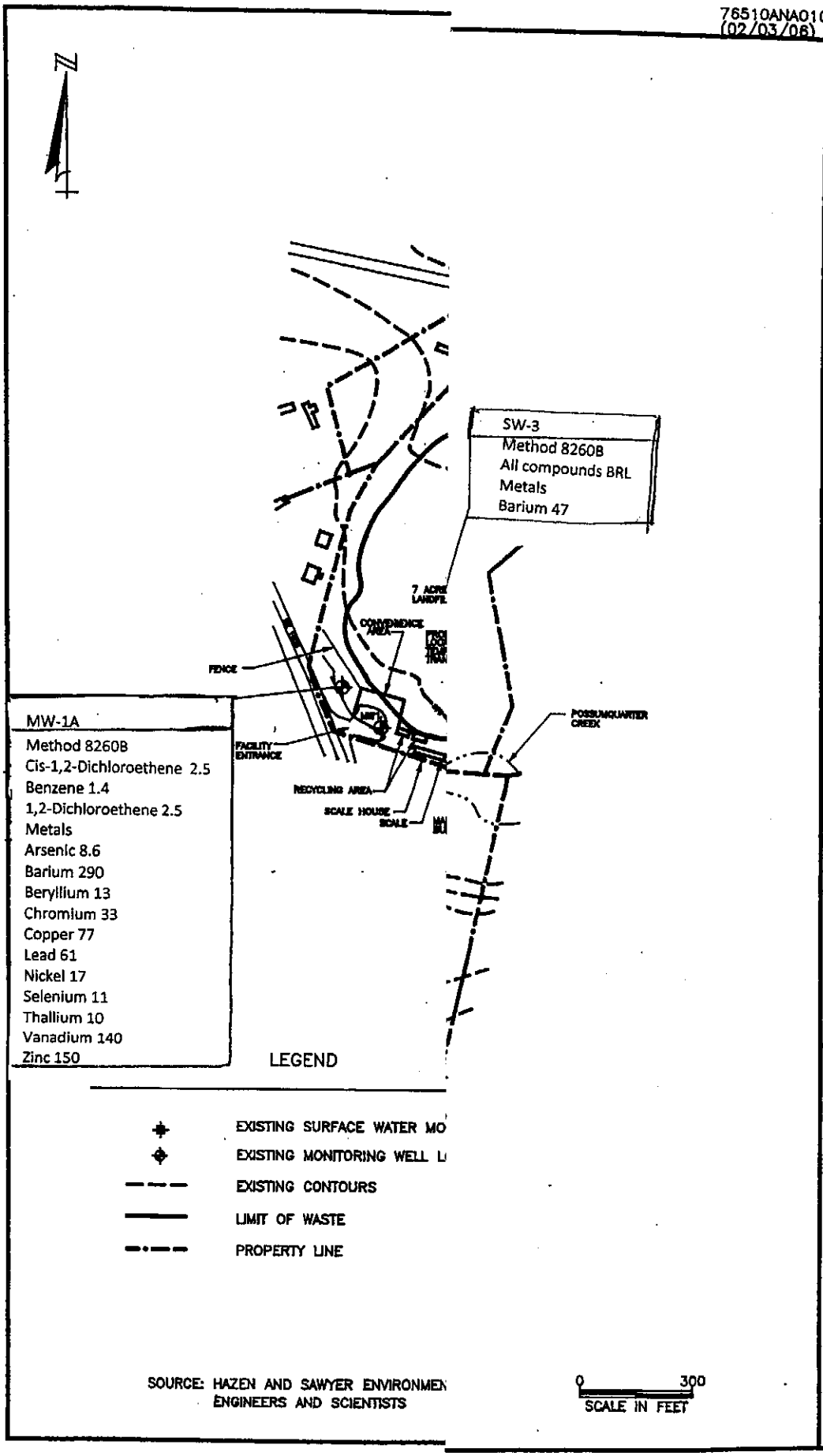


RESOLVE ENVIRONMENTAL SERVICES, P.A.
MONROE, NORTH CAROLINA

FIGURE 2.
SITE LAYOUT MAP WITH
ASSOCIATED ANALYTICAL RESULTS

WARREN COUNTY LANDFILL
WARRENTON, NORTH CAROLINA

76510ANA0106.DWG
(02/03/06)



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

FIGURE 2.
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 22, 2007

Sample Location	Total Well Depth (feet)	Depth to Water (feet)	Temperature (C°)	pH	Specific Conductance (μmhos)	Volume Purged (gals)
[illegible]						
MW-1A	42.0	30.75	16	7.2	220	6.75
MW-2	15.75	4.88	17	6.9	450	4.75
MW-3	29.00	5.10	14	6.5	310	12.75
MW-4	23.10	1.44	14	6.9	230	11.5
WS-1	NA	NA	15	6.9	180	spigot for 10 minutes
[illegible]						
SW-1	NA	NA	13	7.1	290	NA
SW-2	NA	NA	12	6.9	510	NA
SW-3	NA	NA	12	6.8	270	NA

Notes:

Gauging and field parameters collected on February 22, 2007 by Resolve personnel.
All depth to water measurements relative to the top of well casing.
NA = Not Applicable or available

TABLE 2.
Analytical Results
Warren County Closed Sanitary Landfill
Warrenton, North Carolina
February 22, 2007

		Groundwater 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
[redacted]									
cis-1,2-Dichloroethene	70	[redacted]	[redacted]	[redacted]	<1	[redacted]	<1	<1	<1
Benzene	1	[redacted]	[redacted]	<1	<1	<1	<1	<1	<1
Chlorobenzene	50	>1	[redacted]	<1	<1	<1	<1	<1	<1
Chloroethane	2800	<1	[redacted]	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene (total)	100	[redacted]	[redacted]	[redacted]	<1	[redacted]	<1	<1	<1
1,4-Dichlorobenzene	14	<1	[redacted]	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	70	<1	<1	[redacted]	<1	<1	<1	<1	<1
Chloroethane	Background	<1	<1	<1	<1	<1	<1	<1	<1
[redacted]									
Arsenic	50	[redacted]	<5	<5	<5	<5	<5	<5	<5
Barium	2000	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Beryllium	Background	[redacted]	<1	<1	<1	<1	<1	<1	<1
Cadmium	1.75	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	50	[redacted]	<5	<5	<5	<5	<5	<5	<5
Cobalt	Background	<5	[redacted]	<5	<5	[redacted]	<5	<5	<5
Copper	1000	[redacted]	[redacted]	<2	<2	[redacted]	<2	<2	[redacted]
Lead	15	[redacted]	<5	<5	<5	<5	<5	<5	<5
Nickel	100	[redacted]	<5	<5	<5	[redacted]	<5	<5	<5
Selenium	50	[redacted]	<10	<10	<10	<10	<10	<10	<10
Thallium	Background	[redacted]	<10	<10	<10	<10	<10	<10	<10
Vanadium	Background	[redacted]	<10	<10	<10	<10	<10	<10	<10
Zinc	1050	[redacted]	[redacted]	<50	[redacted]	[redacted]	<10	<10	[redacted]

all the same in this situation

Notes

Results presented in micrograms per liter (µg/l).

Groundwater samples and surface water samples were collected by Resolve personnel on August 10, 2006 and analyzed by Pace Analytical Services of Huntersville, North Carolina

NCGQS = North Carolina Groundwater Quality Standards presented at North Carolina Administrative Code Title 15A Subchapter 2L .0202.

Concentrations in bold exceed the NCGQS.

Attachment A

Laboratory Data Sheets

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

March 05, 2007

Ms. Janet Beck
Resolve Environmental Services
410 E. Franklin Street
Monroe, NC 28112

RE: Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Dear Ms. Beck:

Enclosed are the analytical results for sample(s) received by the laboratory on February 23, 2007. 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 Charlotte laboratory unless otherwise footnoted.

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

Sincerely,

Annette Scott

Annette Scott
annette.scott@pacelabs.com
(704) 875-9092 ext. 233
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

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9800 Kincey Avenue, Suite 100
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050657 | Project Sample Number: 92138845-001 | Date Collected: 02/22/07 09:58
Client Sample ID: MW-2 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	03/01/07 22:32	SHB	7440-36-0		
Arsenic	ND	ug/l	5.0	03/01/07 22:32	SHB	7440-38-2		
Barium	130	ug/l	5.0	03/01/07 22:32	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	03/01/07 22:32	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	03/01/07 22:32	SHB	7440-43-9		
Chromium	ND	ug/l	5.0	03/01/07 22:32	SHB	7440-47-3		
Cobalt	99.	ug/l	5.0	03/01/07 22:32	SHB	7440-48-4		
Copper	3.0	ug/l	2.0	03/01/07 22:32	SHB	7440-50-8		
Lead	ND	ug/l	5.0	03/01/07 22:32	SHB	7439-92-1		
Nickel	ND	ug/l	5.0	03/01/07 22:32	SHB	7440-02-0		
Selenium	ND	ug/l	10.	03/01/07 22:32	SHB	7782-49-2		
Silver	ND	ug/l	5.0	03/01/07 22:32	SHB	7440-22-4		
Thallium	ND	ug/l	10.	03/01/07 22:32	SHB	7440-28-0		
Vanadium	ND	ug/l	5.0	03/01/07 22:32	SHB	7440-62-2		
Zinc	27.	ug/l	10.	03/01/07 22:32	SHB	7440-66-6		
Date Digested	03/01/07 11:05			03/01/07 11:05				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Acetone	ND	ug/l	25.	03/01/07 04:24	MSF	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/01/07 04:24	MSF	107-13-1		
Benzene	1.3	ug/l	1.0	03/01/07 04:24	MSF	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/01/07 04:24	MSF	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/01/07 04:24	MSF	75-27-4		
Bromoform	ND	ug/l	1.0	03/01/07 04:24	MSF	75-25-2		
Bromomethane	ND	ug/l	1.0	03/01/07 04:24	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/01/07 04:24	MSF	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/01/07 04:24	MSF	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/01/07 04:24	MSF	56-23-5		
Chlorobenzene	1.1	ug/l	1.0	03/01/07 04:24	MSF	108-90-7		
Chloroethane	7.8	ug/l	1.0	03/01/07 04:24	MSF	75-00-3		
Chloroform	ND	ug/l	1.0	03/01/07 04:24	MSF	67-66-3		
Chloromethane	ND	ug/l	1.0	03/01/07 04:24	MSF	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/01/07 04:24	MSF	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/01/07 04:24	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/01/07 04:24	MSF	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/01/07 04:24	MSF	74-95-3		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

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NC Drinking Water 37706
SC 99006
FL NELAP E87627

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www.pacelabs.com

Pace Analytical Services, Inc.
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050657 | Project Sample Number: 92138845-001 | Date Collected: 02/22/07 09:58
Client Sample ID: MW-2 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/l	1.0	03/01/07 04:24	MSF	95-50-1		
1,4-Dichlorobenzene	3.8	ug/l	1.0	03/01/07 04:24	MSF	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/01/07 04:24	MSF	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	03/01/07 04:24	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/01/07 04:24	MSF	107-06-2		
1,2-Dichloroethene (Total)	8.1	ug/l	1.0	03/01/07 04:24	MSF	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/01/07 04:24	MSF	75-35-4		
cis-1,2-Dichloroethene	8.1	ug/l	1.0	03/01/07 04:24	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/01/07 04:24	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/01/07 04:24	MSF	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 04:24	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 04:24	MSF	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/01/07 04:24	MSF	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/01/07 04:24	MSF	591-78-6		
Iodomethane	ND	ug/l	5.0	03/01/07 04:24	MSF	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/01/07 04:24	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/01/07 04:24	MSF	108-10-1		
Styrene	ND	ug/l	1.0	03/01/07 04:24	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 04:24	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 04:24	MSF	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/01/07 04:24	MSF	127-18-4		
Toluene	ND	ug/l	1.0	03/01/07 04:24	MSF	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/01/07 04:24	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/01/07 04:24	MSF	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/01/07 04:24	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/01/07 04:24	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/01/07 04:24	MSF	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/01/07 04:24	MSF	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/01/07 04:24	MSF	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/01/07 04:24	MSF	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/01/07 04:24	MSF			
o-Xylene	ND	ug/l	1.0	03/01/07 04:24	MSF	95-47-6		
Toluene-d8 (S)	99	%		03/01/07 04:24	MSF	2037-26-5		
4-Bromofluorobenzene (S)	99	%		03/01/07 04:24	MSF	460-00-4		
Dibromofluoromethane (S)	95	%		03/01/07 04:24	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		03/01/07 04:24	MSF	17060-07-0		

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Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050723 | Project Sample Number: 92138845-002 | Date Collected: 02/22/07 10:31
Client Sample ID: MW-3 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	03/01/07 22:38	SHB	7440-36-0		
Arsenic	ND	ug/l	5.0	03/01/07 22:38	SHB	7440-38-2		
Barium	61.	ug/l	5.0	03/01/07 22:38	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	03/01/07 22:38	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	03/01/07 22:38	SHB	7440-43-9		
Chromium	ND	ug/l	5.0	03/01/07 22:38	SHB	7440-47-3		
Cobalt	ND	ug/l	5.0	03/01/07 22:38	SHB	7440-48-4		
Copper	ND	ug/l	2.0	03/01/07 22:38	SHB	7440-50-8		
Lead	ND	ug/l	5.0	03/01/07 22:38	SHB	7439-92-1		
Nickel	ND	ug/l	5.0	03/01/07 22:38	SHB	7440-02-0		
Selenium	ND	ug/l	10.	03/01/07 22:38	SHB	7782-49-2		
Silver	ND	ug/l	5.0	03/01/07 22:38	SHB	7440-22-4		
Thallium	ND	ug/l	10.	03/01/07 22:38	SHB	7440-28-0		
Vanadium	ND	ug/l	5.0	03/01/07 22:38	SHB	7440-62-2		
Zinc	ND	ug/l	10.	03/01/07 22:38	SHB	7440-66-6		
Date Digested	03/01/07 11:05			03/01/07 11:05				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Acetone	ND	ug/l	25.	03/01/07 04:48	MSF	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/01/07 04:48	MSF	107-13-1		
Benzene	ND	ug/l	1.0	03/01/07 04:48	MSF	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/01/07 04:48	MSF	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/01/07 04:48	MSF	75-27-4		
Bromoform	ND	ug/l	1.0	03/01/07 04:48	MSF	75-25-2		
Bromomethane	ND	ug/l	1.0	03/01/07 04:48	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/01/07 04:48	MSF	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/01/07 04:48	MSF	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/01/07 04:48	MSF	56-23-5		
Chlorobenzene	ND	ug/l	1.0	03/01/07 04:48	MSF	108-90-7		
Chloroethane	ND	ug/l	1.0	03/01/07 04:48	MSF	75-00-3		
Chloroform	ND	ug/l	1.0	03/01/07 04:48	MSF	67-66-3		
Chloromethane	ND	ug/l	1.0	03/01/07 04:48	MSF	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/01/07 04:48	MSF	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/01/07 04:48	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/01/07 04:48	MSF	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/01/07 04:48	MSF	74-95-3		

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Fax: 828.252.4618

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050723 | Project Sample Number: 92138845-002 | Date Collected: 02/22/07 10:31
Client Sample ID: MW-3 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/l	1.0	03/01/07 04:48	MSF	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	03/01/07 04:48	MSF	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/01/07 04:48	MSF	110-57-6		
1,1-Dichloroethane	2.6	ug/l	1.0	03/01/07 04:48	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/01/07 04:48	MSF	107-06-2		
1,2-Dichloroethene (Total)	3.9	ug/l	1.0	03/01/07 04:48	MSF	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/01/07 04:48	MSF	75-35-4		
cis-1,2-Dichloroethene	3.9	ug/l	1.0	03/01/07 04:48	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/01/07 04:48	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/01/07 04:48	MSF	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 04:48	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 04:48	MSF	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/01/07 04:48	MSF	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/01/07 04:48	MSF	591-78-6		
Iodomethane	ND	ug/l	5.0	03/01/07 04:48	MSF	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/01/07 04:48	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/01/07 04:48	MSF	108-10-1		
Styrene	ND	ug/l	1.0	03/01/07 04:48	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 04:48	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 04:48	MSF	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/01/07 04:48	MSF	127-18-4		
Toluene	ND	ug/l	1.0	03/01/07 04:48	MSF	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/01/07 04:48	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/01/07 04:48	MSF	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/01/07 04:48	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/01/07 04:48	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/01/07 04:48	MSF	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/01/07 04:48	MSF	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/01/07 04:48	MSF	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/01/07 04:48	MSF	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/01/07 04:48	MSF			
o-Xylene	ND	ug/l	1.0	03/01/07 04:48	MSF	95-47-6		
Toluene-d8 (S)	99	%		03/01/07 04:48	MSF	2037-26-5		
4-Bromofluorobenzene (S)	96	%		03/01/07 04:48	MSF	460-00-4		
Dibromofluoromethane (S)	101	%		03/01/07 04:48	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	101	%		03/01/07 04:48	MSF	17060-07-0		

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Fax: 828.252.4618

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050731 | Project Sample Number: 92138845-003 | Date Collected: 02/22/07 10:37
Client Sample ID: SW-2 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	03/01/07 22:41	SHB	7440-36-0		
Arsenic	ND	ug/l	5.0	03/01/07 22:41	SHB	7440-38-2		
Barium	40.	ug/l	5.0	03/01/07 22:41	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	03/01/07 22:41	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	03/01/07 22:41	SHB	7440-43-9		
Chromium	ND	ug/l	5.0	03/01/07 22:41	SHB	7440-47-3		
Cobalt	ND	ug/l	5.0	03/01/07 22:41	SHB	7440-48-4		
Copper	ND	ug/l	2.0	03/01/07 22:41	SHB	7440-50-8		
Lead	ND	ug/l	5.0	03/01/07 22:41	SHB	7439-92-1		
Nickel	ND	ug/l	5.0	03/01/07 22:41	SHB	7440-02-0		
Selenium	ND	ug/l	10.	03/01/07 22:41	SHB	7782-49-2		
Silver	ND	ug/l	5.0	03/01/07 22:41	SHB	7440-22-4		
Thallium	ND	ug/l	10.	03/01/07 22:41	SHB	7440-28-0		
Vanadium	ND	ug/l	5.0	03/01/07 22:41	SHB	7440-62-2		
Zinc	ND	ug/l	10.	03/01/07 22:41	SHB	7440-66-6		
Date Digested	03/01/07 11:05			03/01/07 11:05				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Acetone	ND	ug/l	25.	03/01/07 05:11	MSF	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/01/07 05:11	MSF	107-13-1		
Benzene	ND	ug/l	1.0	03/01/07 05:11	MSF	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/01/07 05:11	MSF	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/01/07 05:11	MSF	75-27-4		
Bromoform	ND	ug/l	1.0	03/01/07 05:11	MSF	75-25-2		
Bromomethane	ND	ug/l	1.0	03/01/07 05:11	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/01/07 05:11	MSF	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/01/07 05:11	MSF	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/01/07 05:11	MSF	56-23-5		
Chlorobenzene	ND	ug/l	1.0	03/01/07 05:11	MSF	108-90-7		
Chloroethane	ND	ug/l	1.0	03/01/07 05:11	MSF	75-00-3		
Chloroform	ND	ug/l	1.0	03/01/07 05:11	MSF	67-66-3		
Chloromethane	ND	ug/l	1.0	03/01/07 05:11	MSF	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/01/07 05:11	MSF	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/01/07 05:11	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/01/07 05:11	MSF	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/01/07 05:11	MSF	74-95-3		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050731
Client Sample ID: SW-2

Project Sample Number: 92138845-003
Matrix: Water

Date Collected: 02/22/07 10:37
Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/l	1.0	03/01/07 05:11	MSF	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	03/01/07 05:11	MSF	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/01/07 05:11	MSF	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	03/01/07 05:11	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/01/07 05:11	MSF	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0	03/01/07 05:11	MSF	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/01/07 05:11	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	03/01/07 05:11	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/01/07 05:11	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/01/07 05:11	MSF	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 05:11	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 05:11	MSF	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/01/07 05:11	MSF	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/01/07 05:11	MSF	591-78-6		
Iodomethane	ND	ug/l	5.0	03/01/07 05:11	MSF	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/01/07 05:11	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/01/07 05:11	MSF	108-10-1		
Styrene	ND	ug/l	1.0	03/01/07 05:11	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 05:11	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 05:11	MSF	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/01/07 05:11	MSF	127-18-4		
Toluene	ND	ug/l	1.0	03/01/07 05:11	MSF	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/01/07 05:11	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/01/07 05:11	MSF	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/01/07 05:11	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/01/07 05:11	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/01/07 05:11	MSF	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/01/07 05:11	MSF	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/01/07 05:11	MSF	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/01/07 05:11	MSF	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/01/07 05:11	MSF			
o-Xylene	ND	ug/l	1.0	03/01/07 05:11	MSF	95-47-6		
Toluene-d8 (S)	102	%		03/01/07 05:11	MSF	2037-26-5		
4-Bromofluorobenzene (S)	98	%		03/01/07 05:11	MSF	460-00-4		
Dibromofluoromethane (S)	109	%		03/01/07 05:11	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	109	%		03/01/07 05:11	MSF	17060-07-0		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050749 | Project Sample Number: 92138845-004 | Date Collected: 02/22/07 11:09
Client Sample ID: MW-4 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	03/01/07 22:44	SHB	7440-36-0		
Arsenic	ND	ug/l	5.0	03/01/07 22:44	SHB	7440-38-2		
Barium	46.	ug/l	5.0	03/01/07 22:44	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	03/01/07 22:44	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	03/01/07 22:44	SHB	7440-43-9		
Chromium	ND	ug/l	5.0	03/01/07 22:44	SHB	7440-47-3		
Cobalt	ND	ug/l	5.0	03/01/07 22:44	SHB	7440-48-4		
Copper	ND	ug/l	2.0	03/01/07 22:44	SHB	7440-50-8		
Lead	ND	ug/l	5.0	03/01/07 22:44	SHB	7439-92-1		
Nickel	ND	ug/l	5.0	03/01/07 22:44	SHB	7440-02-0		
Selenium	ND	ug/l	10.	03/01/07 22:44	SHB	7782-49-2		
Silver	ND	ug/l	5.0	03/01/07 22:44	SHB	7440-22-4		
Thallium	ND	ug/l	10.	03/01/07 22:44	SHB	7440-28-0		
Vanadium	ND	ug/l	5.0	03/01/07 22:44	SHB	7440-62-2		
Zinc	58.	ug/l	10.	03/01/07 22:44	SHB	7440-66-6		
Date Digested	03/01/07 11:05			03/01/07 11:05				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Acetone	ND	ug/l	25.	03/01/07 05:35	MSF	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/01/07 05:35	MSF	107-13-1		
Benzene	ND	ug/l	1.0	03/01/07 05:35	MSF	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/01/07 05:35	MSF	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/01/07 05:35	MSF	75-27-4		
Bromoform	ND	ug/l	1.0	03/01/07 05:35	MSF	75-25-2		
Bromomethane	ND	ug/l	1.0	03/01/07 05:35	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/01/07 05:35	MSF	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/01/07 05:35	MSF	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/01/07 05:35	MSF	56-23-5		
Chlorobenzene	ND	ug/l	1.0	03/01/07 05:35	MSF	108-90-7		
Chloroethane	ND	ug/l	1.0	03/01/07 05:35	MSF	75-00-3		
Chloroform	ND	ug/l	1.0	03/01/07 05:35	MSF	67-66-3		
Chloromethane	ND	ug/l	1.0	03/01/07 05:35	MSF	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/01/07 05:35	MSF	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/01/07 05:35	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/01/07 05:35	MSF	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/01/07 05:35	MSF	74-95-3		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050749 | Project Sample Number: 92138845-004 | Date Collected: 02/22/07 11:09
Client Sample ID: MW-4 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/l	1.0	03/01/07 05:35	MSF	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	03/01/07 05:35	MSF	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/01/07 05:35	MSF	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	03/01/07 05:35	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/01/07 05:35	MSF	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0	03/01/07 05:35	MSF	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/01/07 05:35	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	03/01/07 05:35	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/01/07 05:35	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/01/07 05:35	MSF	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 05:35	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/01/07 05:35	MSF	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/01/07 05:35	MSF	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/01/07 05:35	MSF	591-78-6		
Iodomethane	ND	ug/l	5.0	03/01/07 05:35	MSF	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/01/07 05:35	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/01/07 05:35	MSF	108-10-1		
Styrene	ND	ug/l	1.0	03/01/07 05:35	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 05:35	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/01/07 05:35	MSF	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/01/07 05:35	MSF	127-18-4		
Toluene	ND	ug/l	1.0	03/01/07 05:35	MSF	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/01/07 05:35	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/01/07 05:35	MSF	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/01/07 05:35	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/01/07 05:35	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/01/07 05:35	MSF	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/01/07 05:35	MSF	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/01/07 05:35	MSF	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/01/07 05:35	MSF	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/01/07 05:35	MSF			
o-Xylene	ND	ug/l	1.0	03/01/07 05:35	MSF	95-47-6		
Toluene-d8 (S)	99	%		03/01/07 05:35	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		03/01/07 05:35	MSF	460-00-4		
Dibromofluoromethane (S)	103	%		03/01/07 05:35	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%		03/01/07 05:35	MSF	17060-07-0		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050756 | Project Sample Number: 92138845-005 | Date Collected: 02/22/07 11:17
Client Sample ID: SW-3 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	03/01/07 22:47	SHB	7440-36-0		
Arsenic	ND	ug/l	5.0	03/01/07 22:47	SHB	7440-38-2		
Barium	47.	ug/l	5.0	03/01/07 22:47	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	03/01/07 22:47	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	03/01/07 22:47	SHB	7440-43-9		
Chromium	ND	ug/l	5.0	03/01/07 22:47	SHB	7440-47-3		
Cobalt	ND	ug/l	5.0	03/01/07 22:47	SHB	7440-48-4		
Copper	ND	ug/l	2.0	03/01/07 22:47	SHB	7440-50-8		
Lead	ND	ug/l	5.0	03/01/07 22:47	SHB	7439-92-1		
Nickel	ND	ug/l	5.0	03/01/07 22:47	SHB	7440-02-0		
Selenium	ND	ug/l	10.	03/01/07 22:47	SHB	7782-49-2		
Silver	ND	ug/l	5.0	03/01/07 22:47	SHB	7440-22-4		
Thallium	ND	ug/l	10.	03/01/07 22:47	SHB	7440-28-0		
Vanadium	ND	ug/l	5.0	03/01/07 22:47	SHB	7440-62-2		
Zinc	ND	ug/l	10.	03/01/07 22:47	SHB	7440-66-6		
Date Digested	03/01/07 11:05			03/01/07 11:05				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Acetone	ND	ug/l	25.	03/03/07 02:52	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/03/07 02:52	MCK	107-13-1		
Benzene	ND	ug/l	1.0	03/03/07 02:52	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/03/07 02:52	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/03/07 02:52	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	03/03/07 02:52	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	03/03/07 02:52	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/03/07 02:52	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/03/07 02:52	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/03/07 02:52	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	03/03/07 02:52	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	03/03/07 02:52	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	03/03/07 02:52	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	03/03/07 02:52	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/03/07 02:52	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/03/07 02:52	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/03/07 02:52	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/03/07 02:52	MCK	74-95-3		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050756 | Project Sample Number: 92138845-005 | Date Collected: 02/22/07 11:17
Client Sample ID: SW-3 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/l	1.0	03/03/07 02:52	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	03/03/07 02:52	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/03/07 02:52	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	03/03/07 02:52	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/03/07 02:52	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0	03/03/07 02:52	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/03/07 02:52	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	03/03/07 02:52	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/03/07 02:52	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/03/07 02:52	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 02:52	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 02:52	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/03/07 02:52	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/03/07 02:52	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	03/03/07 02:52	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/03/07 02:52	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/03/07 02:52	MCK	108-10-1		
Styrene	ND	ug/l	1.0	03/03/07 02:52	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 02:52	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 02:52	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/03/07 02:52	MCK	127-18-4		
Toluene	ND	ug/l	1.0	03/03/07 02:52	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/03/07 02:52	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/03/07 02:52	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/03/07 02:52	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/03/07 02:52	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/03/07 02:52	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/03/07 02:52	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/03/07 02:52	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/03/07 02:52	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/03/07 02:52	MCK			
o-Xylene	ND	ug/l	1.0	03/03/07 02:52	MCK	95-47-6		
Toluene-d8 (S)	93	%		03/03/07 02:52	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		03/03/07 02:52	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		03/03/07 02:52	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%		03/03/07 02:52	MCK	17060-07-0		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050764 | Project Sample Number: 92138845-006 | Date Collected: 02/22/07 12:13
Client Sample ID: SW-1 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	03/01/07 22:51	SHB	7440-36-0		
Arsenic	ND	ug/l	5.0	03/01/07 22:51	SHB	7440-38-2		
Barium	120	ug/l	5.0	03/01/07 22:51	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	03/01/07 22:51	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	03/01/07 22:51	SHB	7440-43-9		
Chromium	ND	ug/l	5.0	03/01/07 22:51	SHB	7440-47-3		
Cobalt	29.	ug/l	5.0	03/01/07 22:51	SHB	7440-48-4		
Copper	2.7	ug/l	2.0	03/01/07 22:51	SHB	7440-50-8		
Lead	ND	ug/l	5.0	03/01/07 22:51	SHB	7439-92-1		
Nickel	8.5	ug/l	5.0	03/01/07 22:51	SHB	7440-02-0		
Selenium	ND	ug/l	10.	03/01/07 22:51	SHB	7782-49-2		
Silver	ND	ug/l	5.0	03/01/07 22:51	SHB	7440-22-4		
Thallium	ND	ug/l	10.	03/01/07 22:51	SHB	7440-28-0		
Vanadium	ND	ug/l	5.0	03/01/07 22:51	SHB	7440-62-2		
Zinc	14.	ug/l	10.	03/01/07 22:51	SHB	7440-66-6		
Date Digested	03/01/07 11:05			03/01/07 11:05				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Acetone	ND	ug/l	25.	03/03/07 03:16	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/03/07 03:16	MCK	107-13-1		
Benzene	ND	ug/l	1.0	03/03/07 03:16	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/03/07 03:16	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/03/07 03:16	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	03/03/07 03:16	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	03/03/07 03:16	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/03/07 03:16	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/03/07 03:16	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/03/07 03:16	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	03/03/07 03:16	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	03/03/07 03:16	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	03/03/07 03:16	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	03/03/07 03:16	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/03/07 03:16	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/03/07 03:16	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/03/07 03:16	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/03/07 03:16	MCK	74-95-3		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050764 | Project Sample Number: 92138845-006 | Date Collected: 02/22/07 12:13
Client Sample ID: SW-1 | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/l	1.0	03/03/07 03:16	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	03/03/07 03:16	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/03/07 03:16	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	03/03/07 03:16	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/03/07 03:16	MCK	107-06-2		
1,2-Dichloroethene (Total)	1.4	ug/l	1.0	03/03/07 03:16	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/03/07 03:16	MCK	75-35-4		
cis-1,2-Dichloroethene	1.4	ug/l	1.0	03/03/07 03:16	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/03/07 03:16	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/03/07 03:16	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 03:16	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 03:16	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/03/07 03:16	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/03/07 03:16	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	03/03/07 03:16	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/03/07 03:16	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/03/07 03:16	MCK	108-10-1		
Styrene	ND	ug/l	1.0	03/03/07 03:16	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 03:16	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 03:16	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/03/07 03:16	MCK	127-18-4		
Toluene	ND	ug/l	1.0	03/03/07 03:16	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/03/07 03:16	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/03/07 03:16	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/03/07 03:16	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/03/07 03:16	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/03/07 03:16	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/03/07 03:16	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/03/07 03:16	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/03/07 03:16	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/03/07 03:16	MCK			
o-Xylene	ND	ug/l	1.0	03/03/07 03:16	MCK	95-47-6		
Toluene-d8 (S)	99	%		03/03/07 03:16	MCK	2037-26-5		
4-Bromofluorobenzene (S)	101	%		03/03/07 03:16	MCK	460-00-4		
Dibromofluoromethane (S)	99	%		03/03/07 03:16	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%		03/03/07 03:16	MCK	17060-07-0		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050772 | Project Sample Number: 92138845-007 | Date Collected: 02/22/07 13:00
Client Sample ID: WSW | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	03/01/07 22:56	SHB	7440-36-0		
Arsenic	ND	ug/l	5.0	03/01/07 22:56	SHB	7440-38-2		
Barium	23.	ug/l	5.0	03/01/07 22:56	SHB	7440-39-3		
Beryllium	ND	ug/l	1.0	03/01/07 22:56	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	03/01/07 22:56	SHB	7440-43-9		
Chromium	ND	ug/l	5.0	03/01/07 22:56	SHB	7440-47-3		
Cobalt	ND	ug/l	5.0	03/01/07 22:56	SHB	7440-48-4		
Copper	20.	ug/l	2.0	03/01/07 22:56	SHB	7440-50-8		
Lead	ND	ug/l	5.0	03/01/07 22:56	SHB	7439-92-1		
Nickel	ND	ug/l	5.0	03/01/07 22:56	SHB	7440-02-0		
Selenium	ND	ug/l	10.	03/01/07 22:56	SHB	7782-49-2		
Silver	ND	ug/l	5.0	03/01/07 22:56	SHB	7440-22-4		
Thallium	ND	ug/l	10.	03/01/07 22:56	SHB	7440-28-0		
Vanadium	ND	ug/l	5.0	03/01/07 22:56	SHB	7440-62-2		
Zinc	16.	ug/l	10.	03/01/07 22:56	SHB	7440-66-6		
Date Digested	03/01/07 11:05			03/01/07 11:05				
GC/MS Volatiles								
GC/MS VOCs by 8260, low level	Method: EPA 8260							
Acetone	ND	ug/l	25.	03/03/07 03:40	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/03/07 03:40	MCK	107-13-1		
Benzene	ND	ug/l	1.0	03/03/07 03:40	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/03/07 03:40	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/03/07 03:40	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	03/03/07 03:40	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	03/03/07 03:40	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/03/07 03:40	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/03/07 03:40	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/03/07 03:40	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	03/03/07 03:40	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	03/03/07 03:40	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	03/03/07 03:40	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	03/03/07 03:40	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/03/07 03:40	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/03/07 03:40	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/03/07 03:40	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/03/07 03:40	MCK	74-95-3		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050772
Client Sample ID: WSW

Project Sample Number: 92138845-007
Matrix: Water

Date Collected: 02/22/07 13:00
Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/l	1.0	03/03/07 03:40	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	03/03/07 03:40	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/03/07 03:40	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	03/03/07 03:40	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/03/07 03:40	MCK	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/l	1.0	03/03/07 03:40	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/03/07 03:40	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	1.0	03/03/07 03:40	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/03/07 03:40	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/03/07 03:40	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 03:40	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 03:40	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/03/07 03:40	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/03/07 03:40	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	03/03/07 03:40	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/03/07 03:40	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/03/07 03:40	MCK	108-10-1		
Styrene	ND	ug/l	1.0	03/03/07 03:40	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 03:40	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 03:40	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/03/07 03:40	MCK	127-18-4		
Toluene	ND	ug/l	1.0	03/03/07 03:40	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/03/07 03:40	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/03/07 03:40	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/03/07 03:40	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/03/07 03:40	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/03/07 03:40	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/03/07 03:40	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/03/07 03:40	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/03/07 03:40	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/03/07 03:40	MCK			
o-Xylene	ND	ug/l	1.0	03/03/07 03:40	MCK	95-47-6		
Toluene-d8 (S)	100	%		03/03/07 03:40	MCK	2037-26-5		
4-Bromofluorobenzene (S)	101	%		03/03/07 03:40	MCK	460-00-4		
Dibromofluoromethane (S)	98	%		03/03/07 03:40	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%		03/03/07 03:40	MCK	17060-07-0		

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Fax: 828.252.4618

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050780 | Project Sample Number: 92138845-008 | Date Collected: 02/22/07 12:47
Client Sample ID: MW-1A | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Trace ICP Metals	Prep/Method: EPA 200.7 / EPA 200.7							
Antimony	ND	ug/l	5.0	02/28/07 21:52	SHB	7440-36-0		
Arsenic	8.6	ug/l	5.0	02/28/07 21:52	SHB	7440-38-2		
Barium	290	ug/l	5.0	02/28/07 21:52	SHB	7440-39-3		
Beryllium	13.	ug/l	1.0	02/28/07 21:52	SHB	7440-41-7		
Cadmium	ND	ug/l	1.0	02/28/07 21:52	SHB	7440-43-9		
Chromium	33.	ug/l	5.0	02/28/07 21:52	SHB	7440-47-3		
Cobalt	ND	ug/l	5.0	02/28/07 21:52	SHB	7440-48-4		
Copper	77.	ug/l	2.0	02/28/07 21:52	SHB	7440-50-8		
Lead	61.	ug/l	5.0	02/28/07 21:52	SHB	7439-92-1		
Nickel	17.	ug/l	5.0	02/28/07 21:52	SHB	7440-02-0		
Selenium	11.	ug/l	10.	02/28/07 21:52	SHB	7782-49-2		
Silver	ND	ug/l	5.0	02/28/07 21:52	SHB	7440-22-4		
Thallium	10.	ug/l	10.	02/28/07 21:52	SHB	7440-28-0		
Vanadium	140	ug/l	5.0	02/28/07 21:52	SHB	7440-62-2		
Zinc	150	ug/l	10.	02/28/07 21:52	SHB	7440-66-6		
Date Digested	02/26/07 12:30			02/26/07 12:30				
Trace ICP Metals, TCLP Leach.	Method: EPA 6010							
Date Digested	02/26/07			02/26/07				
Trace ICP Metals, TCLP Leach.	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.025	02/26/07 16:30	SHB	7440-36-0		
Arsenic	ND	mg/l	0.025	02/26/07 16:30	SHB	7440-38-2		
Barium	0.32	mg/l	0.025	02/26/07 16:30	SHB	7440-39-3		
Beryllium	0.014	mg/l	0.0050	02/26/07 16:30	SHB	7440-41-7		
Cadmium	ND	mg/l	0.0050	02/26/07 16:30	SHB	7440-43-9		
Chromium	0.044	mg/l	0.025	02/26/07 16:30	SHB	7440-47-3		
Cobalt	0.025	mg/l	0.025	02/26/07 16:30	SHB	7440-48-4		
Copper	0.086	mg/l	0.025	02/26/07 16:30	SHB	7440-50-8		
Lead	0.065	mg/l	0.025	02/26/07 16:30	SHB	7439-92-1		
Nickel	ND	mg/l	0.025	02/26/07 16:30	SHB	7440-02-0		
Selenium	ND	mg/l	0.050	02/26/07 16:30	SHB	7782-49-2		
Silver	ND	mg/l	0.025	02/26/07 16:30	SHB	7440-22-4		
Thallium	ND	mg/l	0.050	02/26/07 16:30	SHB	7440-28-0		
Vanadium	0.15	mg/l	0.025	02/26/07 16:30	SHB	7440-62-2		
Zinc	0.17	mg/l	0.050	02/26/07 16:30	SHB	7440-66-6		
Date Digested	02/26/07 09:00			02/26/07 09:00				

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050780 | Project Sample Number: 92138845-008 | Date Collected: 02/22/07 12:47
Client Sample ID: MW-1A | Matrix: Water | Date Received: 02/23/07 15:28

GC/MS Volatiles

GC/MS VOCs by 8260, low level — Method: EPA 8260

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	25.	03/03/07 04:04	MCK	67-64-1		
Acrylonitrile	ND	ug/l	5.0	03/03/07 04:04	MCK	107-13-1		
Benzene	1.4	ug/l	1.0	03/03/07 04:04	MCK	71-43-2		
Bromochloromethane	ND	ug/l	1.0	03/03/07 04:04	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	1.0	03/03/07 04:04	MCK	75-27-4		
Bromoform	ND	ug/l	1.0	03/03/07 04:04	MCK	75-25-2		
Bromomethane	ND	ug/l	1.0	03/03/07 04:04	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	2.0	03/03/07 04:04	MCK	78-93-3		
Carbon disulfide	ND	ug/l	2.0	03/03/07 04:04	MCK	75-15-0		
Carbon tetrachloride	ND	ug/l	1.0	03/03/07 04:04	MCK	56-23-5		
Chlorobenzene	ND	ug/l	1.0	03/03/07 04:04	MCK	108-90-7		
Chloroethane	ND	ug/l	1.0	03/03/07 04:04	MCK	75-00-3		
Chloroform	ND	ug/l	1.0	03/03/07 04:04	MCK	67-66-3		
Chloromethane	ND	ug/l	1.0	03/03/07 04:04	MCK	74-87-3		
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	03/03/07 04:04	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	1.0	03/03/07 04:04	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	1.0	03/03/07 04:04	MCK	106-93-4		
Dibromomethane	ND	ug/l	1.0	03/03/07 04:04	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	03/03/07 04:04	MCK	95-50-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	03/03/07 04:04	MCK	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/l	1.0	03/03/07 04:04	MCK	110-57-6		
1,1-Dichloroethane	ND	ug/l	1.0	03/03/07 04:04	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	1.0	03/03/07 04:04	MCK	107-06-2		
1,2-Dichloroethene (Total)	2.5	ug/l	1.0	03/03/07 04:04	MCK	540-59-0		
1,1-Dichloroethene	ND	ug/l	1.0	03/03/07 04:04	MCK	75-35-4		
cis-1,2-Dichloroethene	2.5	ug/l	1.0	03/03/07 04:04	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	1.0	03/03/07 04:04	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	1.0	03/03/07 04:04	MCK	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 04:04	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	1.0	03/03/07 04:04	MCK	10061-02-6		
Ethylbenzene	ND	ug/l	1.0	03/03/07 04:04	MCK	100-41-4		
2-Hexanone	ND	ug/l	5.0	03/03/07 04:04	MCK	591-78-6		
Iodomethane	ND	ug/l	5.0	03/03/07 04:04	MCK	74-88-4		
Methylene chloride	ND	ug/l	2.0	03/03/07 04:04	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	5.0	03/03/07 04:04	MCK	108-10-1		
Styrene	ND	ug/l	1.0	03/03/07 04:04	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 04:04	MCK	630-20-6		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

Lab Sample No: 928050780 | Project Sample Number: 92138845-008 | Date Collected: 02/22/07 12:47
Client Sample ID: MW-1A | Matrix: Water | Date Received: 02/23/07 15:28

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	03/03/07 04:04	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	1.0	03/03/07 04:04	MCK	127-18-4		
Toluene	ND	ug/l	1.0	03/03/07 04:04	MCK	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	03/03/07 04:04	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	1.0	03/03/07 04:04	MCK	79-00-5		
Trichloroethene	ND	ug/l	1.0	03/03/07 04:04	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	1.0	03/03/07 04:04	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	1.0	03/03/07 04:04	MCK	96-18-4		
Vinyl acetate	ND	ug/l	1.0	03/03/07 04:04	MCK	108-05-4		
Vinyl chloride	ND	ug/l	1.0	03/03/07 04:04	MCK	75-01-4		
Xylene (Total)	ND	ug/l	2.0	03/03/07 04:04	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	2.0	03/03/07 04:04	MCK			
o-Xylene	ND	ug/l	1.0	03/03/07 04:04	MCK	95-47-6		
Toluene-d8 (S)	94	%		03/03/07 04:04	MCK	2037-26-5		
4-Bromofluorobenzene (S)	100	%		03/03/07 04:04	MCK	460-00-4		
Dibromofluoromethane (S)	98	%		03/03/07 04:04	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	102	%		03/03/07 04:04	MCK	17060-07-0		

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

QC Batch: 181863 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 928050657 928050723 928050731 928050749

METHOD BLANK: 928066430
Associated Lab Samples: 928050657 928050723 928050731 928050749

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
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	1.0	
2-Butanone (MEK)	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	
1,2-Dibromo-3-chloropropane	ug/l	ND	1.0	
Dibromochloromethane	ug/l	ND	1.0	
1,2-Dibromoethane (EDB)	ug/l	ND	1.0	
Dibromomethane	ug/l	ND	1.0	
1,2-Dichlorobenzene	ug/l	ND	1.0	
1,4-Dichlorobenzene	ug/l	ND	1.0	
1,1-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethene (Total)	ug/l	ND	1.0	
1,1-Dichloroethene	ug/l	ND	1.0	
cis-1,2-Dichloroethene	ug/l	ND	1.0	
trans-1,2-Dichloroethene	ug/l	ND	1.0	
1,2-Dichloropropane	ug/l	ND	1.0	
Ethylbenzene	ug/l	ND	1.0	
Methylene chloride	ug/l	ND	2.0	
Styrene	ug/l	ND	1.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	1.0	
Tetrachloroethene	ug/l	ND	1.0	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

METHOD BLANK: 928066430
Associated Lab Samples: 928050657 928050723 928050731 928050749

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Toluene	ug/l	ND	1.0	
1,1,1-Trichloroethane	ug/l	ND	1.0	
1,1,2-Trichloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
Trichlorofluoromethane	ug/l	ND	1.0	
1,2,3-Trichloropropane	ug/l	ND	1.0	
Vinyl chloride	ug/l	ND	1.0	
Xylene (Total)	ug/l	ND	2.0	
m&p-Xylene	ug/l	ND	2.0	
o-Xylene	ug/l	ND	1.0	
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	99		
Dibromofluoromethane (S)	%	101		
1,2-Dichloroethane-d4 (S)	%	99		

LABORATORY CONTROL SAMPLE: 928066448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/l	100.00	99.26	99	
Benzene	ug/l	50.00	46.45	93	
Bromochloromethane	ug/l	50.00	54.52	109	
Bromodichloromethane	ug/l	50.00	45.48	91	
Bromoform	ug/l	50.00	45.23	90	
Bromomethane	ug/l	50.00	39.98	80	
2-Butanone (MEK)	ug/l	100.00	101.6	102	
Carbon disulfide	ug/l	50.00	46.97	94	
Carbon tetrachloride	ug/l	50.00	48.34	97	
Chlorobenzene	ug/l	50.00	47.75	96	
Chloroethane	ug/l	50.00	46.62	93	
Chloroform	ug/l	50.00	47.71	95	
Chloromethane	ug/l	50.00	44.43	89	
1,2-Dibromo-3-chloropropane	ug/l	50.00	49.06	98	
Dibromochloromethane	ug/l	50.00	46.91	94	
1,2-Dibromoethane (EDB)	ug/l	50.00	52.28	105	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

LABORATORY CONTROL SAMPLE: 928066448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Dibromomethane	ug/l	50.00	52.04	104	
1,2-Dichlorobenzene	ug/l	50.00	49.48	99	
1,4-Dichlorobenzene	ug/l	50.00	47.01	94	
trans-1,4-Dichloro-2-butene	ug/l	50.00	45.71	91	
1,1-Dichloroethane	ug/l	50.00	48.43	97	
1,2-Dichloroethane	ug/l	50.00	47.25	94	
1,1-Dichloroethene	ug/l	50.00	48.03	96	
cis-1,2-Dichloroethene	ug/l	50.00	48.14	96	
trans-1,2-Dichloroethene	ug/l	50.00	48.40	97	
1,2-Dichloropropane	ug/l	50.00	48.53	97	
cis-1,3-Dichloropropene	ug/l	50.00	45.24	90	
trans-1,3-Dichloropropene	ug/l	50.00	44.31	89	
Ethylbenzene	ug/l	50.00	46.78	94	
2-Hexanone	ug/l	100.00	99.01	99	
Iodomethane	ug/l	100.00	113.6	114	
Methylene chloride	ug/l	50.00	48.46	97	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	95.23	95	
Styrene	ug/l	50.00	52.34	105	
1,1,1,2-Tetrachloroethane	ug/l	50.00	47.49	95	
1,1,2,2-Tetrachloroethane	ug/l	50.00	50.78	102	
Tetrachloroethene	ug/l	50.00	46.95	94	
Toluene	ug/l	50.00	46.43	93	
1,1,1-Trichloroethane	ug/l	50.00	47.47	95	
1,1,2-Trichloroethane	ug/l	50.00	48.86	98	
Trichloroethene	ug/l	50.00	48.94	98	
Trichlorofluoromethane	ug/l	50.00	48.27	96	
1,2,3-Trichloropropane	ug/l	50.00	50.67	101	
Vinyl acetate	ug/l	100.00	100.4	100	
Vinyl chloride	ug/l	50.00	49.98	100	
m&p-Xylene	ug/l	100.00	95.28	95	
o-Xylene	ug/l	50.00	48.89	98	
Toluene-d8 (S)				100	
4-Bromofluorobenzene (S)				106	
Dibromofluoromethane (S)				98	
1,2-Dichloroethane-d4 (S)				104	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928066455 928066463

Parameter	Units	928042761 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	52.50	57.56	105	115	9	
Chlorobenzene	ug/l	0	50.00	53.29	56.98	107	114	7	
1,1-Dichloroethene	ug/l	0	50.00	49.80	55.32	100	111	10	
Toluene	ug/l	0	50.00	51.93	56.83	104	114	9	
Trichloroethene	ug/l	20.30	50.00	72.29	78.50	104	116	8	
Toluene-d8 (S)						100	102		
4-Bromofluorobenzene (S)						95	93		
Dibromofluoromethane (S)						102	98		
1,2-Dichloroethane-d4 (S)						104	101		

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

QC Batch: 182089 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 928050756 928050764 928050772 928050780

METHOD BLANK: 928076751
Associated Lab Samples: 928050756 928050764 928050772 928050780

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
Acrylonitrile	ug/l	ND	5.0	
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	1.0	
2-Butanone (MEK)	ug/l	ND	2.0	
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	
1,2-Dibromo-3-chloropropane	ug/l	ND	1.0	
Dibromochloromethane	ug/l	ND	1.0	
1,2-Dibromoethane (EDB)	ug/l	ND	1.0	
Dibromomethane	ug/l	ND	1.0	
1,2-Dichlorobenzene	ug/l	ND	1.0	
1,4-Dichlorobenzene	ug/l	ND	1.0	
trans-1,4-Dichloro-2-butene	ug/l	ND	1.0	
1,1-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethane	ug/l	ND	1.0	
1,2-Dichloroethene (Total)	ug/l	ND	1.0	
1,1-Dichloroethene	ug/l	ND	1.0	
cis-1,2-Dichloroethene	ug/l	ND	1.0	
trans-1,2-Dichloroethene	ug/l	ND	1.0	
1,2-Dichloropropane	ug/l	ND	1.0	
cis-1,3-Dichloropropene	ug/l	ND	1.0	
trans-1,3-Dichloropropene	ug/l	ND	1.0	
Ethylbenzene	ug/l	ND	1.0	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

METHOD BLANK: 928076751
Associated Lab Samples: 928050756 928050764 928050772 928050780

Parameter	Units	Blank Result	Reporting Limit	Footnotes
2-Hexanone	ug/l	ND	5.0	
Iodomethane	ug/l	ND	5.0	
Methylene chloride	ug/l	ND	2.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	5.0	
Styrene	ug/l	ND	1.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	1.0	
Tetrachloroethene	ug/l	ND	1.0	
Toluene	ug/l	ND	1.0	
1,1,1-Trichloroethane	ug/l	ND	1.0	
1,1,2-Trichloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
Trichlorofluoromethane	ug/l	ND	1.0	
1,2,3-Trichloropropane	ug/l	ND	1.0	
Vinyl acetate	ug/l	ND	1.0	
Vinyl chloride	ug/l	ND	1.0	
Xylene (Total)	ug/l	ND	2.0	
m&p-Xylene	ug/l	ND	2.0	
o-Xylene	ug/l	ND	1.0	
Toluene-d8 (S)	%	99		
4-Bromofluorobenzene (S)	%	97		
Dibromofluoromethane (S)	%	97		
1,2-Dichloroethane-d4 (S)	%	99		

LABORATORY CONTROL SAMPLE: 928076769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/l	100.00	57.84	58	
Acrylonitrile	ug/l	250.00	318.9	128	
Benzene	ug/l	50.00	61.63	123	
Bromochloromethane	ug/l	50.00	56.57	113	
Bromodichloromethane	ug/l	50.00	63.64	127	1
Bromoform	ug/l	50.00	48.40	97	
Bromomethane	ug/l	50.00	53.90	108	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

LABORATORY CONTROL SAMPLE: 928076769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
2-Butanone (MEK)	ug/l	100.00	75.04	75	
Carbon disulfide	ug/l	50.00	64.88	130	
Carbon tetrachloride	ug/l	50.00	70.77	142	1
Chlorobenzene	ug/l	50.00	58.06	116	
Chloroethane	ug/l	50.00	56.62	113	
Chloroform	ug/l	50.00	61.20	122	
Chloromethane	ug/l	50.00	50.63	101	
1,2-Dibromo-3-chloropropane	ug/l	50.00	60.60	121	
Dibromochloromethane	ug/l	50.00	53.53	107	
1,2-Dibromoethane (EDB)	ug/l	50.00	57.84	116	
Dibromomethane	ug/l	50.00	61.97	124	1
1,2-Dichlorobenzene	ug/l	50.00	59.03	118	
1,4-Dichlorobenzene	ug/l	50.00	59.63	119	
trans-1,4-Dichloro-2-butene	ug/l	50.00	44.18	88	
1,1-Dichloroethane	ug/l	50.00	61.27	123	
1,2-Dichloroethane	ug/l	50.00	59.45	119	
1,1-Dichloroethene	ug/l	50.00	53.42	107	
cis-1,2-Dichloroethene	ug/l	50.00	58.13	116	
trans-1,2-Dichloroethene	ug/l	50.00	55.43	111	
1,2-Dichloropropane	ug/l	50.00	59.54	119	
cis-1,3-Dichloropropene	ug/l	50.00	60.38	121	
trans-1,3-Dichloropropene	ug/l	50.00	61.69	123	
Ethylbenzene	ug/l	50.00	60.67	121	
2-Hexanone	ug/l	100.00	94.44	94	
Iodomethane	ug/l	100.00	132.0	132	
Methylene chloride	ug/l	50.00	57.15	114	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	117.5	118	
Styrene	ug/l	50.00	54.87	110	
1,1,1,2-Tetrachloroethane	ug/l	50.00	61.97	124	
1,1,2,2-Tetrachloroethane	ug/l	50.00	53.98	108	
Tetrachloroethene	ug/l	50.00	60.62	121	
Toluene	ug/l	50.00	59.56	119	
1,1,1-Trichloroethane	ug/l	50.00	64.08	128	
1,1,2-Trichloroethane	ug/l	50.00	60.74	121	
Trichloroethene	ug/l	50.00	61.76	124	
Trichlorofluoromethane	ug/l	50.00	62.46	125	
1,2,3-Trichloropropane	ug/l	50.00	53.33	107	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

LABORATORY CONTROL SAMPLE: 928076769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Vinyl acetate	ug/l	100.00	125.8	126	
Vinyl chloride	ug/l	50.00	50.45	101	
m&p-Xylene	ug/l	100.00	121.5	122	
o-Xylene	ug/l	50.00	59.85	120	
Toluene-d8 (S)				100	
4-Bromofluorobenzene (S)				100	
Dibromofluoromethane (S)				98	
1,2-Dichloroethane-d4 (S)				104	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 928076892 928076900

Parameter	Units	928047703 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	4.845	50.00	49.11	52.04	88	94	6	
Chlorobenzene	ug/l	0.3624	50.00	44.52	47.31	88	94	6	
1,1-Dichloroethene	ug/l	0.4290	50.00	36.96	39.62	73	78	7	
Toluene	ug/l	0.3930	50.00	41.55	44.47	82	88	7	
Trichloroethene	ug/l	0.7451	50.00	45.19	47.55	89	94	5	
Toluene-d8 (S)						99	98		
4-Bromofluorobenzene (S)						100	102		
Dibromofluoromethane (S)						100	97		
1,2-Dichloroethane-d4 (S)						102	101		

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

QC Batch: 181506
QC Batch Method: EPA 3010
Associated Lab Samples: 928050780

Analysis Method: EPA 6010
Analysis Description: Trace ICP Metals, TCLP Leach.

METHOD BLANK: 928053297
Associated Lab Samples: 928050780

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Antimony	mg/l	ND	0.025	
Arsenic	mg/l	ND	0.025	
Barium	mg/l	ND	0.025	
Beryllium	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0050	
Chromium	mg/l	ND	0.025	
Cobalt	mg/l	ND	0.025	
Copper	mg/l	ND	0.025	
Lead	mg/l	ND	0.025	
Nickel	mg/l	ND	0.025	
Selenium	mg/l	ND	0.050	
Silver	mg/l	ND	0.025	
Vanadium	mg/l	ND	0.025	
Zinc	mg/l	ND	0.050	

LABORATORY CONTROL SAMPLE: 928053305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Antimony	mg/l	2.500	2.460	98	
Arsenic	mg/l	2.500	2.600	104	
Barium	mg/l	2.500	2.420	97	
Beryllium	mg/l	2.500	2.460	98	
Cadmium	mg/l	2.500	2.500	100	
Chromium	mg/l	2.500	2.470	99	
Cobalt	mg/l	2.500	2.410	96	
Copper	mg/l	2.500	2.475	99	
Lead	mg/l	2.500	2.435	97	
Nickel	mg/l	2.500	2.400	96	
Selenium	mg/l	2.500	2.695	108	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

LABORATORY CONTROL SAMPLE: 928053305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Silver	mg/l	1.250	1.220	98	
Thallium	mg/l	2.500	2.255	90	
Vanadium	mg/l	2.500	2.450	98	
Zinc	mg/l	2.500	2.635	105	

MATRIX SPIKE: 928053313

Parameter	Units	928039924 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Antimony	mg/l	0.2090	2.500	2.625	97	
Arsenic	mg/l	0.00925	2.500	2.590	103	
Barium	mg/l	0.7250	2.500	3.075	94	
Beryllium	mg/l	0	2.500	2.395	96	
Cadmium	mg/l	0.1385	2.500	2.465	93	
Chromium	mg/l	0	2.500	2.375	95	
Cobalt	mg/l	0.06000	2.500	2.350	92	
Copper	mg/l	1.595	2.500	4.070	99	
Lead	mg/l	0.07500	2.500	2.395	93	
Nickel	mg/l	1.815	2.500	4.095	91	
Selenium	mg/l	0	2.500	2.575	103	
Silver	mg/l	0.00356	1.250	1.200	96	
Thallium	mg/l	0	2.500	2.165	87	
Vanadium	mg/l	0.00760	2.500	2.410	96	
Zinc	mg/l	13.40	2.500	16.00	104	

SAMPLE DUPLICATE: 928053321

Parameter	Units	928039932 Result	DUP Result	RPD	Footnotes
Antimony	mg/l	0.2500	0.2400	3	
Arsenic	mg/l	ND	ND	NC	
Barium	mg/l	0.7500	0.7200	4	
Beryllium	mg/l	ND	ND	NC	
Cadmium	mg/l	0.02400	0.02300	2	
Chromium	mg/l	ND	ND	NC	

Date: 03/05/07

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NC Drinking Water 37712
SC 99030
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Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

SAMPLE DUPLICATE: 928053321

Parameter	Units	928039932 Result	DUP Result	RPD	Footnotes
Cobalt	mg/l	0.6300	0.6100	3	
Copper	mg/l	0.1900	0.1800	4	
Lead	mg/l	0.2900	0.2800	2	
Nickel	mg/l	0.8600	0.8400	3	
Selenium	mg/l	ND	ND	NC	
Silver	mg/l	ND	ND	NC	
Vanadium	mg/l	ND	ND	NC	
Zinc	mg/l	13.00	13.00	3	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

QC Batch: 181561
QC Batch Method: EPA 200.7
Associated Lab Samples: 928050780

Analysis Method: EPA 200.7
Analysis Description: Trace ICP Metals

METHOD BLANK: 928054642
Associated Lab Samples: 928050780

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Copper	ug/l	ND	2.0	
Lead	ug/l	ND	5.0	
Silver	ug/l	ND	5.0	
Zinc	ug/l	ND	10.	

LABORATORY CONTROL SAMPLE: 928054659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Antimony	ug/l	500.00	562.0	112	
Arsenic	ug/l	500.00	566.0	113	
Barium	ug/l	500.00	550.0	110	
Beryllium	ug/l	500.00	570.0	114	
Cadmium	ug/l	500.00	585.0	117	
Chromium	ug/l	500.00	582.0	116	
Cobalt	ug/l	500.00	565.0	113	
Copper	ug/l	500.00	539.0	108	
Lead	ug/l	500.00	576.0	115	
Nickel	ug/l	500.00	578.0	116	
Selenium	ug/l	500.00	547.0	109	
Silver	ug/l	250.00	285.0	114	
Thallium	ug/l	500.00	534.0	107	
Vanadium	ug/l	500.00	566.0	113	
Zinc	ug/l	500.00	511.0	102	

MATRIX SPIKE: 928069749

Parameter	Units	928041326 Result	Spike Conc.	MS Result	MS % Rec	Footnotes

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

MATRIX SPIKE: 928069749

Parameter	Units	928041326 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Antimony	ug/l	3.680	500.00	497.0	99	
Arsenic	ug/l	0.7070	500.00	500.0	100	
Barium	ug/l	7.800	500.00	460.0	90	
Beryllium	ug/l	0	500.00	486.0	97	
Cadmium	ug/l	0.1100	500.00	486.0	97	
Chromium	ug/l	0.5690	500.00	485.0	97	
Cobalt	ug/l	0.2470	500.00	483.0	97	
Copper	ug/l	19.10	500.00	479.0	92	
Lead	ug/l	0	500.00	464.0	93	
Nickel	ug/l	3.040	500.00	490.0	97	
Selenium	ug/l	0.2030	500.00	495.0	99	
Silver	ug/l	0.2760	250.00	237.0	95	
Thallium	ug/l	0.1330	500.00	455.0	91	
Vanadium	ug/l	1.060	500.00	487.0	97	
Zinc	ug/l	114.0	500.00	618.0	101	

SAMPLE DUPLICATE: 928069756

Parameter	Units	928050566 Result	DUP Result	RPD	Footnotes
Antimony	ug/l	ND	ND	NC	
Arsenic	ug/l	ND	ND	NC	
Barium	ug/l	32.00	32.00	0	
Beryllium	ug/l	ND	ND	NC	
Cadmium	ug/l	ND	ND	NC	
Chromium	ug/l	ND	ND	NC	
Cobalt	ug/l	49.00	49.00	1	
Copper	ug/l	6.400	6.500	1	
Lead	ug/l	9.500	10.00	9	
Nickel	ug/l	7.900	8.600	9	
Selenium	ug/l	ND	ND	NC	
Silver	ug/l	ND	ND	NC	
Thallium	ug/l	ND	ND	NC	
Vanadium	ug/l	ND	ND	NC	
Zinc	ug/l	16.00	16.00	0	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

QC Batch: 181953 — Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 — Analysis Description: Trace ICP Metals
Associated Lab Samples: 928050657 928050723 928050731 928050749 928050756 928050764 928050772

METHOD BLANK: 928069848
Associated Lab Samples: 928050657 928050723 928050731 928050749 928050756 928050764 928050772

Parameter	Units	Blank Result	Reporting Limit	Footnotes
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	2.0	
Lead	ug/l	ND	5.0	
Nickel	ug/l	ND	5.0	
Selenium	ug/l	ND	10.	
Silver	ug/l	ND	5.0	
Thallium	ug/l	ND	10.	
Vanadium	ug/l	ND	5.0	
Zinc	ug/l	ND	10.	

LABORATORY CONTROL SAMPLE: 928069855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Antimony	ug/l	500.00	478.0	96	
Arsenic	ug/l	500.00	494.0	99	
Barium	ug/l	500.00	491.0	98	
Beryllium	ug/l	500.00	494.0	99	
Cadmium	ug/l	500.00	508.0	102	
Chromium	ug/l	500.00	503.0	101	
Cobalt	ug/l	500.00	506.0	101	
Copper	ug/l	500.00	476.0	95	
Lead	ug/l	500.00	496.0	99	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

LABORATORY CONTROL SAMPLE: 928069855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Nickel	ug/l	500.00	512.0	102	
Selenium	ug/l	500.00	499.0	100	
Silver	ug/l	250.00	238.0	95	
Thallium	ug/l	500.00	478.0	96	
Vanadium	ug/l	500.00	498.0	100	
Zinc	ug/l	500.00	509.0	102	

MATRIX SPIKE: 928069863

Parameter	Units	928064013 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Antimony	ug/l	17.50	500.00	495.0	96	
Arsenic	ug/l	0	500.00	503.0	101	
Barium	ug/l	8.890	500.00	491.0	96	
Beryllium	ug/l	0	500.00	494.0	99	
Cadmium	ug/l	0.06400	500.00	504.0	101	
Chromium	ug/l	2903	500.00	3409	101	
Cobalt	ug/l	1.860	500.00	502.0	100	
Copper	ug/l	0.7340	500.00	478.0	96	
Lead	ug/l	2.070	500.00	486.0	97	
Nickel	ug/l	0	500.00	506.0	101	
Selenium	ug/l	7.120	500.00	524.0	103	
Silver	ug/l	0	250.00	232.0	93	
Thallium	ug/l	2.120	500.00	471.0	94	
Vanadium	ug/l	0.8840	500.00	495.0	99	
Zinc	ug/l	124.0	500.00	638.0	103	

SAMPLE DUPLICATE: 928069871

Parameter	Units	927978320 Result	DUP Result	RPD	Footnotes
Antimony	mg/l	ND	ND	NC	
Arsenic	mg/l	ND	ND	NC	
Barium	mg/l	7.400	ND	NC	
Beryllium	mg/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

SAMPLE DUPLICATE: 928069871

Parameter	Units	927978320 Result	DUP Result	RPD	Footnotes
Cadmium	mg/l	ND	ND	NC	
Chromium	mg/l	ND	ND	NC	
Cobalt	mg/l	ND	ND	NC	
Copper	mg/l	ND	ND	NC	
Lead	mg/l	ND	ND	NC	
Nickel	mg/l	ND	ND	NC	
Selenium	mg/l	ND	ND	NC	
Silver	mg/l	ND	ND	NC	
Thallium	mg/l	ND	ND	NC	
Vanadium	mg/l	9.200	ND	NC	
Zinc	mg/l	ND	ND	NC	

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Lab Project Number: 92138845
Client Project ID: Warren Co. Landfill

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Recovery falls outside of QC limits, however, this compound is not found in the associated samples.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of
1032763

Section A Required Client Information:

Company: RESOLVE ENV. SVCS
Address: 410 E FRANKLIN
MONROE, NC 28110
Email To:
Phone: 704 296 5881 Fax: 704 282-2910
Requested Due Date/TAT:

Section B Required Project Information:

Report To: TERRY KENNEDY
Copy To: JANET BECK
Purchase Order No.:
Project Name: WARREN CO. LANDFILL
Project Number:

Section C Invoice Information:

Attention: JANET BECK
Company Name: RESOLVE
Address:
Pace Quote Reference:
Pace Project Manager: ASI
Pace Profile #: 277-3

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

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☑NC ☐OH ☐SC ☐WI ☐OTHER

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N) Requested Analysis: APPENDIX I VOLATILES / APPENDIX I METALS	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-2					2/22/07	0956		4			✓					X	X		92805065
2	MW-3					2/22/07	1031		4			✓					X	X		723
3	SW-2					2/22/07	1037		4			✓					X	X		731
4	MW-4					2/22/07	1109		4			✓					X	X		749
5	SW-3					2/22/07	1117		4			✓					X	X		756
6	SW-1					2/22/07	1213		4			✓					X	X		764
7	WSW					2/22/07	1300		4			✓					X	X		772
8																				
9																				
10																				
11																				
12																				

Additional Comments:

MOLS TO 2L STANDARDS.

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible] / RESOLVE	2/23/07	1600	[illegible] / RESOLVE	2/23/07	1600
[illegible] / RESOLVE	2/23/07	1528	[illegible]	2/23/07	1528

SAMPLE CONDITION

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: TERRY KENNEDY
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 2/22/07

SEE REVERSE SIDE FOR INSTRUCTIONS

ALLQ020rev.3,31Mar05