BCO 2591

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Rachel P. Kirkman, P.G. Phone: (336) 852-4903

E-mail: rkirkman@golder.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
JMN/Cleveland Container Industrial Landfill	345 Roseborough Road Grover, North Carolina 28703	23-02	0.500	January 25, 2007

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Received APR 2007 Waste Management

Notification attached?

☐ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Rachel P. Kirkman, P.G. Senor Project Geologist (336) 852-4903

Facility Representative Name (Print) Title (Area Code) Telephone Number

Signature Date 3-29-07

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1811 GEOLOGIST RACHEL P. KIRKMAN 3-29-07

Revised 10/2006

Golder Associates NC, Inc.

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March 29, 2007 Project No. 063-6569007.100

Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605
919-733-4996

Attention: Mr. Ervin Lane
Hydrogeologist

Re: JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina
Groundwater Monitoring Report, First Semiannual 2007 Sampling Event

Dear Mr. Lane:

On behalf of JMN/Cleveland Container Landfill, a subsidiary of Republic Services of North Carolina, LLC (Republic), Golder Associates NC, Inc. (Golder) is submitting the enclosed *Groundwater Monitoring Report*, which documents the results of the January 25, 2007, compliance monitoring event at the above-referenced facility.

As presented, two inorganic constituents (barium and cadmium) were detected at quantifiable concentrations in one or more downgradient monitoring wells at the facility during the January 2007 groundwater monitoring event. Mercury was also detected just above its Groundwater Quality Standard (2L Standard) in MW-7A. In general, these constituent and concentrations are consistent with available historical data.

Two organic constituents were detected at quantifiable concentrations that exceeded their respective 2L Standards in MW-5: 1,2-dichlorobenzene and 1,4-dichlorobenzene. Three other organic constituents were detected at estimated concentrations that exceeded their respective 2L Standards: benzene in MW-5 and MW-7A; chloromethane in MW-5 and MW-7A; and vinyl chloride in MW-8. One organic constituent: cis-1,2-dichloroethene was detected at a quantifiable concentration below its 2L Standard in MW-5 and MW-7A. Generally, these concentrations are consistent with historical results.

Barium was detected at similar estimated concentrations in both upstream and downstream samples during this event. There were no other detections of RCRA metals or North Carolina (NC) Appendix I organic constituents in the surface monitoring points during the January 2007 monitoring event.

Based on these results, Republic will continue monitoring the uppermost aquifer beneath this facility in accordance with the requirements as outlined in Title 15A NCAC 13B.0500. If you have any questions, please contact the undersigned at 336-852-4903 or Ray Hoffman with Republic at 828-464-2414.

Sincerely,
GOLDER ASSOCIATES NC, INC.

Benjamin S. Draper
Geologist

Rachel P. Kirkman, P.G.
Senior Project Geologist

Enclosure

C: Ray Hoffman, P.E., Area Engineer, Republic Services, 1220 Commerce Street, SW, Hickory, North Carolina, 28613. HoffmanRJ@repsrvnc.com. 828-464-2414.
Tim Allen, General Manager, Republic Services, 1160 Airport Road, Shelby, North Carolina 28150. allent@repsrv.com. 704-482-2916.

GROUNDWATER MONITORING REPORT
FIRST SEMIANNUAL 2007 SAMPLING EVENT

JMN/CLEVELAND CONTAINER LANDFILL, PERMIT NO. 23-02
CLEVELAND COUNTY, NORTH CAROLINA

MARCH 2007

PREPARED FOR:

REPUBLIC SERVICES OF NORTH CAROLINA, LLC
1160 AIRPORT ROAD
SHELBY, NC 28150

PREPARED BY:

GOLDER ASSOCIATES NC, INC.
4900 KOGER BOULEVARD, SUITE 140
GREENSBORO, NC 27407
PROJECT NO. 063-6569007.100

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1.0 INTRODUCTION

This report summarizes the monitoring results from the January 25, 2007, groundwater and surface water sampling and analysis event at the JMN/Cleveland Container Landfill in Cleveland County, North Carolina in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.0500. The JMN/Cleveland Container Landfill, a closed industrial waste landfill, is maintained by Republic Services of North Carolina, LLC under Permit No. 23-02 issued by the North Carolina Department of Environment and Natural Resources (DENR).

1.1 Site Description and Background

The location of the facility is shown on the inlay on Drawing 1. As presented, the JMN/Cleveland Container Industrial Landfill facility comprises approximately 175 acres and is located 5 miles northwest of the town of Grover, North Carolina at 345 Roseborough Road. The landfill is bounded to the west by Roseborough Road, residential and agricultural properties surround the facility. Surrounding land use is primarily rural residential, silvicultural, and agricultural. Access to the facility is from Roseborough Road.

Topographic elevations at the facility range from approximately 600 to 800 feet above mean sea level. Surface drainage from the landfill and surrounding areas is routed by drainage channels and stormwater control structures toward the southeast, into Buffalo Creek.

1.2 Compliance Monitoring History

Groundwater monitoring at the facility was initiated in June 1997 under the Title 15A Subchapter 13B.0500 rules for industrial landfills. The facility's monitoring network is comprised of seven monitoring wells (MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A and MW-8) which monitor the uppermost aquifer beneath the facility. Based on the results of the laboratory analyses, Republic Services of North Carolina, LLC continues to maintain compliance monitoring under Title 15A Subchapter 13B.0500 rules at this facility.

1.3 Hydrogeologic Setting

Geologically, the facility is located within the Inner Piedmont Belt of the Piedmont Physiographic Province of North Carolina (NCGS, 1985). The Inner Piedmont Belt is composed of Late Proterozoic to Early Paleozoic highly-metamorphosed rocks. The rocks underlying the facility are generally mapped as gneiss and schist, which have been intruded by younger granitic rocks (NCGS, 1985).

The uppermost groundwater beneath the facility is present in a shallow, unconfined aquifer comprised of partially weathered, fractured, meta-volcanic rock. Groundwater occurs at depths of approximately 50-60 feet below grade along the northwestern upgradient side of the waste disposal area, and at a depth of less than 20 feet below grade along the perimeter downgradient boundary. Depth-to-water measurements were obtained during the January 2007 monitoring event and are

summarized in Table 1. Based on topography, regional groundwater flow in the uppermost aquifer near the site is expected to be generally toward the southeast and Buffalo Creek.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

Field activities conducted as part of the January 2007 sampling event are discussed in the following sections.

2.1 Visual Inspection Program

In order to ensure that a potential release is detected at the earliest possible time, the visual inspection program was implemented at the JMN/Cleveland Container Landfill. This program includes physical indicators such as potential water table mounding beneath the waste management unit, physical examination of any stresses in biological communities, visible signs of leachate migration (i.e., leachate seeps), unexplained changes in soil characteristics, and any other change to the environment due to the waste management unit. During the January 2007 compliance monitoring event, no physical indicators were observed in the vicinity of the waste management areas.

2.2 Well Network and Groundwater Elevation Measurements

The network of groundwater monitoring wells at the JMN/Cleveland Container Industrial Landfill consists of MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A and MW-8. Monitoring well locations are shown on Drawing 1. The network of monitoring wells was constructed to target the preferential flow path for groundwater underlying waste disposal areas. One upstream (SW-3) and one downstream (SW-4) surface water points are also monitored.

Monitoring wells MW-1B and MW-1C are the facility's background wells and are located hydraulically upgradient of the waste disposal area. Monitoring wells MW-4, MW-5, MW-6A, MW-7A and MW-8 are located downgradient or sidegradient of the waste disposal area.

Depth-to-water measurements were recorded to the nearest 0.01 foot prior to initiating groundwater purging and sampling activities. The monitoring point summary and respective water level elevations for this event along with historical data are presented in Table 1. The data indicate that the hydraulic head level in the uppermost aquifer beneath the facility is fairly consistent, with temporal variation from the long–term average limited to approximately 5-6 feet (plus or minus). As expected, the range in fluctuation appears to be greater in the upgradient wells MW-1B and MW-1C, as these wells are located in a groundwater recharge area. The range in fluctuation in the downgradient compliance wells, which are located near groundwater discharge areas, is much less, presumably due to the stabilizing affect of the hydraulic discharge boundary.

2.3 January 2007 Monitoring Event

Personnel from Golder visited the facility on January 25, 2007, to purge and sample monitoring wells MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A and MW-8, and to sample surface water monitoring points SW-3 (upstream) and SW-4 (downstream). Depth-to-water measurements were

obtained from the network monitoring wells to the nearest 0.01 foot using an electronic water level indicator prior to purging the wells.

Monitoring wells MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A and MW-8 were purged and sampled using disposable bailers. Measurements of temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, and turbidity were recorded on at the onset of purging, at each purge volume, and before sampling. At a minimum three purge volumes were removed from each well before sampling.

Prior to sampling, the laboratory-supplied sample containers were prepared. Each sample container was labeled with the sample identification number, sampling personnel, date and time of sample collection, project name and number, and requested laboratory analyses.

The required groundwater samples were collected directly from the bailers in the labeled, laboratory-supplied, pre-preserved sample containers. After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling logs are presented in Appendix I. Included in each log is a description of the sampling equipment, sampling method, field observations, and water quality measurements.

The surface water samples were collected directly from the stream flow, by lowering the sample containers into the stream flow with the opening facing into the current flow, taking care to prevent the over flow of the sample containers and to minimize sample-induced turbidity. Measurements of temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, and turbidity were recorded during the collection of the surface water samples.

After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling logs are presented in Appendix I. Included in each log is a description of the sampling equipment, sampling method, field observations, and water-quality measurements.

2.4 Laboratory Analysis Program

The January 25, 2007, groundwater and surface water samples were delivered by courier to Environmental Conservation Laboratories, Inc. (ENCO) of Cary, North Carolina under chain-of-custody control for analysis of the Appendix I organic constituents and Resource Conservation Recovery Act (RCRA) metals. The samples were received at the laboratory on January 26, 2007, in good condition and properly preserved.

2.5 January 2007 Sampling Results

Analytical results for the January 2007 groundwater and surface water samples are summarized in Table 2 with available historical data. The laboratory certificates-of-analysis, chain-of-custody form and laboratory data reviews for the sampling event are included in Appendix II. As presented in Table 2 and the laboratory certificates-of-analysis, three inorganic constituents including barium, mercury, and cadmium were detected at quantifiable concentrations during the January 2007 monitoring event. Mercury was detected above the Groundwater Quality Standard (2L Standard) in MW-7A. Due to a limited amount of background data, the historical background for mercury is unknown at this time. No other inorganic constituents were detected above their respective

quantitation limits. Generally, the constituents and concentrations detected are consistent with historical data, where available.

Three organic constituents were detected in MW-5 at quantifiable concentrations during the January 2007 event: chlorobenzene, 1,2-dichlorobenzene, and 1,4-dichlorobenzene. The concentrations of 1,2-dichlorobenzene and 1,4-dichlorobenzene exceeded their respective 2L Standards. Thirteen other constituents were detected below the Solid Waste Section Report Limits (SWSLs) and are therefore considered estimated. These constituents include: acetone; benzene; chlorobenzene; 1,2-dichlorobenzne; 1,4-dichlorobenzene; cis-1,2-dichloroethene; chloromethane; methylene chloride; tetrachloroethene; toluene; trichlorofluoromethane; and vinyl chloride. Of these constituents, concentrations of benzene; chloromethane; and vinyl chloride exceeded their respective 2L Standards in one or more downgradient monitoring wells. In general, the detected constituents and concentrations are consistent with historical results for the facility.

There were no detections of North Carolina (NC) Appendix I organic constituents in the surface monitoring network during the January 2007 sampling event above reporting limits. Barium was detected at similar estimated concentrations in both upstream and downstream samples.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by Golder personnel as part of the January 2007 groundwater sampling event. In addition to the field blank, a laboratory-prepared trip blank accompanied the volatile sample containers for the sampling event to and from the laboratory. The field blank was analyzed for the same constituents as the groundwater samples, and the trip blank for NC Appendix I volatile organic compounds only. In addition to the field and trip blanks at least one method blank was analyzed by the laboratory for each method used. A review of the laboratory data was performed by Golder personnel (included in Appendix II). Barium was detected in the field blank at an estimated concentration. Selenium was detected in the lab blank at an estimated concentration. Based on our review, selenium detected in MW-1C was detected within a blank-qualified range.

4.0 DATA EVALUATION

Two organic constituents were detected at quantifiable concentrations that exceeded their respective 2L Standards in MW-5: 1,2-dichlorobenzene and 1,4-dichlorobenzene. Mercury was detected in MW-7A at a concentration that exceeded its 2L Standard. Three other organic constituents were detected at estimated concentrations that exceeded their respective 2L Standards: benzene in MW-5 and MW-7A; chloromethane in MW-5 and MW-7A; and vinyl chloride in MW-8. Generally, these concentrations are consistent with historical results.

5.0 CONCLUSIONS

Based on the results summarized herein, Republic Services of North Carolina, LLC, will continue monitoring the uppermost aquifer beneath this facility in accordance with the requirements for industrial landfills as outlined in Title 15A NCAC 13B.0500. The next compliance monitoring event for this facility is tentatively scheduled for July 2007.

6.0 REFERENCES

GEE (General Engineering and Environmental of NC, Inc.), September 2006. *Groundwater/Surface Water Monitoring Report-Second Semi-Annual Sampling Event of 2006, JMN/Cleveland Container Landfill, Cleveland County, North Carolina.* 5 pp.

BLE (Bunnell-Lammons Engineering, Inc.), October 2000, revised July 2001. *Site Hydrogeologic Report.* (from excerpt in GEE report).

NCGS (North Carolina Geologic Survey), 1985. Geologic Map of North Carolina. Scale 1:500,000.

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TABLES

TABLE 1

Summary of Historical Static Water Level Data
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

	Monitoring Wells						
	MW-1B	**MW-1C**	**MW-4**	**MW-5**	**MW-6A**	**MW-7A**	**MW-8**
TOC Elevation (ft AMSL)	783.13	780.61	633.34	625.64	637.16	658.76	739.84
Date	**Static Water Elevation (ft AMSL)**						
07/17/01	729.65	729.47	625.70	611.36	608.67	626.91	690.96
09/25/01	728.11	738.05	-	-	605.91	626.38	-
11/27/01	728.85	728.66	-	-	606.03	625.79	-
01/23/02	728.48	728.32	625.28	610.09	605.79	625.31	689.44
07/16/02	727.77	727.64	624.55	609.73	606.18	625.21	688.47
01/29/03	727.07	727.08	626.47	612.09	-	625.61	687.99
07/28/03	734.78	734.96	626.84	613.89	609.61	628.06	-
01/13/04	739.08	738.54	627.32	610.47	608.63	627.54	-
07/06/04	736.96	736.66	627.41	610.99	609.55	626.13	696.53
01/26/05	735.94	735.70	627.46	610.55	607.63	625.07	695.93
07/19/05	736.27	735.87	627.52	610.31	606.94	625.30	696.99
01/20/06	735.60	735.12	627.61	610.62	608.76	624.47	694.16
07/25/06	733.63	733.39	626.73	608.82	605.86	623.20	693.63
01/25/07	731.66	731.61	626.56	610.02	608.68	623.27	691.61
MEAN	*732.42*	*732.93*	*626.62*	*610.75*	*607.56*	*625.59*	*692.57*
MAXIMUM	*739.08*	*738.54*	*627.61*	*613.89*	*609.61*	*628.06*	*696.99*
MINIMUM	*727.07*	*727.08*	*624.55*	*608.82*	*605.79*	*623.20*	*687.99*

Note: ft AMSL = feet above mean sea level.

TABLE 2

Summary of Well Construction Information

JMN/Cleveland Container Landfill, Permit No. 23-02

Cleveland County, North Carolina

Well Identification	Construction Date	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Well Depth (feet)	Well Diameter (inches)	Screened Interval (ft AMSL)	Screened Geologic Formation
MW-1B	3/8/2001	780.35	783.13	59	2	736.35-721.35	Saprolite
MW-1C	5/25/2001	777.98	780.61	76	2	712.28-702.28	Bedrock
MW-4	6/5/1997	630.67	633.34	15	2	626.17-616.17	Saprolite
MW-5	6/5/1997	623.01	625.64	21	2	617.01-602.01	Saprolite
MW-6A	5/24/2001	634.58	637.16	37	2	612.58-597.58	Bedrock
MW-7A	3/7/2001	656.06	658.76	38	2	633.46-618.46	Saprolite
MW-8	6/6/1997	736.64	739.84	50	2	701.64-686.64	Saprolite

Note: ft AMSL = feet above mean sea level

Well construction data from General Engineering & Environmental, Inc. Sept 06 Semi-Annual Report

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Arsenic (Total)	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 50 ug/L	ug/L	11/09/97	--	--	10	16	--	--	ND	ND	ND	--	16	--	ND	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	50	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	ND	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	--	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	01/29/03	--	--	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	7.87	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	50	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	2	10.0	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
Barium (Total)	ug/L	06/01/97	--	--	500	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 2000 ug/L	ug/L	11/09/97	--	--	500	1300	--	--	ND	1900	ND	--	1200	--	ND	--	--	ND
	ug/L	02/01/98	--	--	500	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	20	150	--	--	30	260	70	--	80	--	40	--	--	--
	ug/L	01/25/99	--	--	500	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	500	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	500	ND	--	--	ND	ND	ND	--	1100	--	ND	--	--	ND
	ug/L	07/20/00	--	--	500	1800	--	--	ND	2000	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	500	2200	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	500	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	500	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	--	--	--	--
	ug/L	07/16/02	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	700	--	--	--
	ug/L	01/29/03	--	--	5	--	41.1	17.2	31.1	319	--	--	--	168	70.3	27.2	62.6	ND
	ug/L	07/28/03	--	--	5	--	492	35.0	77.0	219	--	52.3	--	155	--	77.5	28.2	46.9
	ug/L	01/14/04	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	500	--	ND	ND	ND	503	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	500	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.2	10.0	100	--	109	28.4 J	33.2 J	354	--	47.6 J	--	126	57.5 J	29.9 J	24.0 J	0.30 J

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Beryllium (Total)	ug/L	06/01/97	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = NE	ug/L	11/09/97	--	--	2	19	--	--	ND	8.4	ND	--	12	--	3.2	--	--	ND
	ug/L	02/01/98	--	--	--	--	--	--	--	--	--	--	-	--	--	--	--	--
	ug/L	07/28/98	--	--	3	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	2	ND	--	--	ND	ND	ND	--	5	--	ND	--	--	ND
	ug/L	07/20/00	--	--	2	8	--	--	ND	3	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	2	50	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	2	--	2	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	2	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	2	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	10	--	--	--
	ug/L	01/29/03	--	--	0.2	--	0.41	ND	ND	0.746	--	--	--	0.768	0.724	ND	0.323	ND
	ug/L	07/28/03	--	--	0.2	--	11.1	0.205	0.293	0.754	--	ND	--	0.642	--	0.343	ND	ND
	ug/L	01/14/04	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	2	--	ND	ND	ND	2.21	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	2	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/L	06/01/97	--	--	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 1.75 ug/L	ug/L	11/09/97	--	--	1	3.2	--	--	ND	2.9	ND	--	3.4	--	1.2	--	--	ND
	ug/L	02/01/98	--	--	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	1	ND	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	1	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	1	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	1	--	ND	ND	ND	1	--	ND	--	ND	ND	--	--	--
	ug/L	01/29/03	--	--	5	--	ND	ND	ND	0.446	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	5	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.5	1.00	1	--	ND	ND	ND	ND	--	ND	--	ND	1.10	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring		Sample			Reporting	Upgradient			Downgradient									
Constituents/Analytes	Units	Date	Detection Limit	Quantitation Limit	Limit	MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Chromium (Total)	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 50 ug/L	ug/L	11/09/97	--	--	10	110	--	--	10	47	14	--	100	--	36	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	24	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	10	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	10	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	330	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	20	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	10	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	10	--	10	ND	ND	ND	--	ND	--	ND	160	--	--	--
	ug/L	01/29/03	--	--	5	--	7.14	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	157	ND	ND	ND	--	ND	--	ND	--	6.27	ND	ND
	ug/L	01/14/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	10	--	--	--	--	--	--	--	--	-	ND	--	--	--
	ug/L	01/26/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	23.2	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	2	10.0	10	--	13.7	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
Cobalt (Total)	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = NE	ug/L	11/09/97	--	--	10	75	--	--	ND	49	11	--	47	--	19	--	--	ND
	ug/L	02/01/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	07/28/98	--	--	40	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	10	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	20	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	30	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	180	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	10	--	ND	--	ND	60	--	--	--
	ug/L	01/29/03	--	--	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	57.7	ND	ND	ND	--	ND	--	ND	--	13.6	9.93	ND
	ug/L	01/14/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	10	--	--	--	--	--	--	--	--	--	20.2	--	--	--
	ug/L	01/26/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring		Sample			Reporting	Upgradient			Downgradient									
Constituents/Analytes	Units	Date	Detection Limit	Quantitation Limit	Limit	MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Copper (Total)	ug/L	06/01/97	--	--	200	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 1000 ug/L	ug/L	11/09/97	--	--	200	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	200	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	200	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	200	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	200	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	200	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	200	ND	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	200	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	200	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	01/29/03	--	--	5	--	7.25	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	125	6.30	ND	ND	--	ND	--	ND	--	5.86	ND	ND
	ug/L	01/14/04	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	200	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	--	--	200	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead (Total)	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 15 ug/L	ug/L	11/09/97	--	--	10	35	--	--	ND	44	ND	--	26	--	15	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	15	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	20	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	40	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	210	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	60	--	--	--
	ug/L	01/29/03	--	--	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	48.9	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	10	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	2	10.0	10	--	3.3 J	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Mercury																		
NC 2L = 1.05 ug/L	ug/L	01/25/07	0.11	0.20	0.2	--	ND	ND	ND	ND	--	ND	--	1.70	ND	ND	ND	ND
Nickel (Total)	ug/L	06/01/97	--	--	50	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 100 ug/L	ug/L	11/09/97	--	--	50	67	--	--	ND	ND	ND	--	69	--	ND	--	--	ND
	ug/L	02/01/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	07/28/98	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	50	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	50	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	50	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	50	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	50	180	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	50	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	50	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	110	--	--	--
	ug/L	01/29/03	--	--	5	--	ND	13.1	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	90.1	13.4	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	50	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	--	--	50	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	ug/L	06/01/97	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 50 ug/L	ug/L	11/09/97	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	20	ND	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	20	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	20	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	01/29/03	--	--	5	--	9.07	7.55	ND	ND	--	--	--	ND	ND	11.5	23.3	ND
	ug/L	07/28/03	--	--	5	--	35.7	8.20	9.43	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	20	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	2	10.0	10	--	ND	2.2 B	ND	ND	--	ND	--	ND	ND	ND	ND	2.6 J

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring		Sample			Reporting	Upgradient			Downgradient									
Constituents/Analytes	Units	Date	Detection Limit	Quantitation Limit	Limit	MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Thallium (Total)	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = NE	ug/L	11/09/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	ND	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	4	--	--	--
	ug/L	01/29/03	--	--	0.5	--	ND	ND	ND	ND	--	--	--	0.046	ND	ND	ND	ND
	ug/L	07/28/03	--	--	0.5	--	2.15	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	10	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium (Total)	ug/L	06/01/97	--	--	40	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = NE	ug/L	11/09/97	--	--	40	260	--	--	ND	180	44	--	280	--	97	--	--	ND
	ug/L	02/01/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ug/L	07/28/98	--	--	20	ND	--	--	ND	ND	20	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	40	ND	--	--	ND	ND	ND	--	ND	--	50	--	--	ND
	ug/L	07/21/99	--	--	40	ND	--	--	ND	40	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	40	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	40	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	40	680	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	40	--	50	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	40	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	40	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	380	--	--	--
	ug/L	01/29/03	--	--	5	--	12.7	ND	ND	5.11	--	--	--	1.5	9.81	ND	8.42	ND
	ug/L	07/28/03	--	--	5	--	265	ND	11.9	14.7	--	5.50	--	ND	--	14.1	ND	ND
	ug/L	01/14/04	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	40	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	40	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	--	--	40	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring		Sample			Reporting	Upgradient			Downgradient									
Constituents/Analytes	Units	Date	Detection Limit	Quantitation Limit	Limit	MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Zinc (Total)	ug/L	06/01/97	--	--	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 1050 ug/L	ug/L	11/09/97	--	--	20	270	--	--	32	180	56	--	170	--	92	--	--	ND
	ug/L	02/01/98	--	--	20	ND	--	--	ND	ND	88	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	20	80	--	--	60	50	80	--	110	--	50	--	--	--
	ug/L	01/25/99	--	--	50	50	--	--	170	90	100	--	70	--	120	--	--	ND
	ug/L	07/21/99	--	--	50	130	--	--	80	60	230	--	110	--	90	--	--	ND
	ug/L	01/25/00	--	--	50	ND	--	--	ND	80	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	50	150	--	--	ND	90	60	--	ND	--	110	--	--	ND
	ug/L	01/08/01	--	--	50	650	--	--	ND	ND	--	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	50	--	60	ND	60	50	--	70	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	50	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	50	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	--
	ug/L	07/16/02	--	--	50	--	160	ND	ND	ND	--	ND	--	ND	380	--	--	--
	ug/L	01/29/03	--	--	5	--	10.6	ND	5.1	9.77	--	--	--	ND	16.6	ND	9.21	ND
	ug/L	07/28/03	--	--	5	--	213	8.71	15.4	19.6	--	5.44	--	7.41	--	24.9	6.13	6.41
	ug/L	01/14/04	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	50	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	50	--	ND	ND	ND	ND	--	ND	--	55.5	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	--	--	50	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/L	06/01/97	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 700 ug/L	ug/L	11/09/97	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	100	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	100	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	100	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.9	5.0	100	--	ND	ND	ND	ND	--	ND	--	ND	31 J	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Benzene	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 1.0 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	1.03	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	1	--	ND	ND	ND	1.04	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	1	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	1	--	ND	ND	ND	1.10	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	1	--	ND	ND	ND	1.17	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	1	--	ND	ND	ND	1.08	--	ND	--	1.03	ND	Dry	ND	ND
	ug/L	01/25/07	0.12	1.0	3	--	ND	ND	ND	1.5 J	--	ND	--	1.7 J	ND	ND	ND	ND
Chlorobenzene	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 50 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	8	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	5	ND	--	--	ND	6	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	6	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	6	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	6	--	ND	--	7	ND	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	8	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	8	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	7	--	ND	--	8	ND	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	6	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	2.2	--	--	--	5.50	ND	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	3.65	--	ND	ND	ND
	ug/L	01/14/04	--	--	5	--	ND	ND	ND	5.26	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	5	--	ND	ND	ND	6.85	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	5	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	6.82	ND	ND
	ug/L	07/20/05	--	--	5	--	ND	ND	ND	7.01	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	5	--	ND	ND	ND	12.1	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	5	--	ND	ND	ND	11.3	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.16	1.0	3	--	ND	ND	ND	14	--	0.71 J	--	2.0 J	ND	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Chloroethane	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 2800 ug/L	ug/L	11/09/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	10	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.4	1.0	10	--	ND	ND	ND	ND	--	0.51 J	--	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 24 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	11	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	12	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	12	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	12	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	12	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	5.77	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	3.11	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	5	--	ND	ND	ND	12.5	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	5	--	ND	ND	ND	17.3	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	5	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	15.4	ND
	ug/L	07/20/05	--	--	5	--	ND	ND	ND	15.3	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	5	--	ND	ND	ND	24.0	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	5	--	ND	ND	ND	25.2	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.17	1.0	5	--	ND	ND	ND	30	--	0.36 J	--	ND	ND	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	Upgradient MW-1B	Upgradient MW-1C	Downgradient MW-4	Downgradient MW-5	Downgradient MW-6	Downgradient MW-6A	Downgradient MW-7	Downgradient MW-7A	Downgradient MW-8	SW-3	SW-4	Blanks
1,4-Dichlorobenzene	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 1.4 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	1.01	--	--	--	2.46	ND	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	1.57	--	ND	ND	ND
	ug/L	01/14/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	5	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.15	1.0	3	--	ND	ND	ND	3.6	--	ND	--	0.62 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	5.7	--	ND	--	--	--
NC 2L = 70 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	ND	ND	ND	--	9.2	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	2	ND	--	--	ND	ND	ND	--	14	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	5	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	13	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	5	ND	--	--	ND	ND	ND	--	20	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	ND	ND	--	17	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	15	5	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	16	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	13	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	13	7	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	12	5	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	ND	--	--	--	8.81	8.51	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	4.73	--	ND	ND	ND
	ug/L	01/14/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	5	--	--	--	--	--	--	--	--	-	ND	--	--	--
	ug/L	01/26/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.14	1.0	5	--	ND	ND	0.31 J	1.4 J	--	ND	--	1.7 J	ND	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Chloromethane	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 2.6 ug/L	ug/L	11/09/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	10	ND	--	--	ND	ND	ND	--	25	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	17	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	2.6	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	2.6	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	2.6	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.18	1.0	5.5	--	ND	ND	1.0 J	5.3 J	--	1.8 J	--	3.9 J	0.34 J	ND	ND	ND
Methylene chloride	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 4.6 ug/L	ug/L	11/09/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	10	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.088	2.0	5.5	--	ND	ND	ND	0.49 J	--	ND	--	ND	ND	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring		Sample			Reporting	Upgradient			Downgradient									
Constituents/Analytes	Units	Date	Detection Limit	Quantitation Limit	Limit	MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Iodomethane	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = NE	ug/L	11/09/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	44	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	16	--	10	--	--	ND
	ug/L	01/08/01	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	10	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.23	2.0	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 0.7 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	ND	--	--	--	ND	1.38	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	1	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.25	1.0	3	--	ND	ND	ND	0.50 J	--	ND	--	ND	0.68 J	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Toluene	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 1000 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	25	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	10.5
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	1.15	ND	ND
	ug/L	01/14/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	5.32
	ug/L	08/31/04	--	--	5	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.15	1.0	5	--	ND	ND	2.8 J	ND	--	ND	--	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	06/01/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 2100 ug/L	ug/L	11/09/97	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	5	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	2.39	--	--	--	ND	ND	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	1.69	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	5	--	--	--	--	--	--	--	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.16	1.0	5	--	ND	ND	ND	0.40 J	--	ND	--	ND	0.85 J	ND	ND	ND

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient MW-1A	MW-1B	MW-1C	Downgradient MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	Blanks
Vinyl Chloride	ug/L	06/01/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
NC 2L = 0.015 ug/L	ug/L	11/09/97	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	02/01/98	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	07/28/98	--	--	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	--
	ug/L	01/25/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/21/99	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/25/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	07/20/00	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--	--	ND
	ug/L	01/08/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/17/01	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	09/25/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	11/27/01	--	--	10	--	ND	ND	--	--	--	ND	--	ND	--	--	--	--
	ug/L	01/23/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	07/16/02	--	--	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	--	ND
	ug/L	01/29/03	--	--	1	--	ND	ND	ND	ND	--	-	--	ND	2.03	ND	ND	ND
	ug/L	07/28/03	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	01/14/04	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	07/07/04	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND	ND	ND
	ug/L	08/31/04	--	--	1	--	--	--	--	--	--	-	--	--	ND	--	--	--
	ug/L	01/26/05	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/20/05	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/20/06	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND
	ug/L	07/25/06	--	--	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	Dry	ND	ND
	ug/L	01/25/07	0.15	1.0	5.5	--	ND	ND	ND	ND	--	ND	--	ND	1.2 J	ND	ND	ND
pH (field)	S.U.	06/01/97	--	--	--	5.85	--	--	6.28	5.40	6.49	--	5.58	--	5.70	--	--	--
	S.U.	11/09/97	--	--	--	5.97	--	--	5.93	5.04	6.24	--	5.30	--	5.07	--	--	--
	S.U.	02/01/98	--	--	--	6.22	--	--	5.81	2.39	6.06	--	4.83	--	4.77	--	--	--
	S.U.	07/28/98	--	--	--	5.67	--	--	6.00	5.22	6.10	--	5.34	--	5.23	--	--	--
	S.U.	01/25/99	--	--	--	5.78	--	--	6.34	5.14	6.18	--	5.44	--	5.23	--	--	--
	S.U.	07/21/99	--	--	--	5.79	--	--	6.35	5.41	6.18	--	5.56	--	5.20	--	--	--
	S.U.	01/25/00	--	--	--	6.14	--	--	7.37	6.21	6.21	--	6.01	--	5.68	--	--	--
	S.U.	07/20/00	--	--	--	6.16	--	--	6.33	5.32	6.51	--	5.53	--	5.47	--	--	--
	S.U.	01/08/01	--	--	--	5.70	--	--	6.49	5.49	6.38	--	5.64	--	5.70	--	--	--
	S.U.	01/08/01	--	--	--	--	--	--	6.49	5.49	--	--	--	--	5.70	--	--	--
	S.U.	07/17/01	--	--	--	--	6.24	6.45	6.32	5.40	--	6.08	--	5.38	5.49	--	--	--
	S.U.	09/25/01	--	--	--	--	6.35	6.38	--	--	--	6.28	--	5.19	--	--	--	--
	S.U.	11/27/01	--	--	--	--	6.67	6.65	--	--	--	6.35	--	5.58	--	--	--	--
	S.U.	01/23/02	--	--	--	--	6.24	6.29	6.36	5.82	--	6.32	--	5.32	5.63	--	--	--
	S.U.	07/16/02	--	--	--	--	5.90	5.83	5.66	4.95	--	5.77	--	4.95	4.95	--	--	--
	S.U.	01/29/03	--	--	--	--	6.20	6.30	6.40	5.50	--	--	--	5.10	5.60	6.80	6.70	--
	S.U.	07/28/03	--	--	--	--	6.10	6.50	6.40	5.50	--	6.20	--	5.40	--	6.80	6.80	--
	S.U.	01/14/04	--	--	--	--	6.32	6.32	6.29	5.37	--	6.24	--	5.01	--	6.83	7.16	--
	S.U.	07/07/04	--	--	--	--	5.85	6.17	5.99	5.23	--	5.67	--	5.42	--	6.65	6.79	--
	S.U.	08/31/04	--	--	--	--	--	--	--	--	--	--	--	--	5.31	--	--	--
	S.U.	01/26/05	--	--	--	--	5.78	6.16	6.22	5.29	--	6.06	--	5.05	5.38	6.67	5.31	--
	S.U.	07/20/05	--	--	--	--	6.10	6.40	6.30	5.29	--	6.10	--	6.70	5.10	Dry	9.07	--
	S.U.	01/20/06	--	--	--	--	5.70	6.30	6.50	5.30	--	5.60	--	5.00	5.60	6.20	6.30	--
	S.U.	07/25/06	--	--	--	--	6.00	6.20	6.10	5.60	--	6.10	--	5.20	5.40	Dry	6.50	--
	S.U.	01/25/07	--	--	--	--	5.89	6.13	6.09	5.72	--	6.25	--	5.27	5.63	6.00	6.19	--

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring		Sample			Reporting	Upgradient			Downgradient									
Constituents/Analytes	**Units**	**Date**	**Detection Limit**	**Quantitation Limit**	**Limit**	**MW-1A**	**MW-1B**	**MW-1C**	**MW-4**	**MW-5**	**MW-6**	**MW-6A**	**MW-7**	**MW-7A**	**MW-8**	**SW-3**	**SW-4**	**Blanks**
Specific	mS/cm	06/01/97	--	--	1	80	--	--	102	261	166	--	157	--	49	--	--	--
Conductance (field)	mS/cm	11/09/97	--	--	1	66	--	--	118	302	138	--	163	--	35	--	--	--
	mS/cm	02/01/98	--	--	1	69	--	--	117	254	172	--	137	--	34	--	--	--
	mS/cm	07/28/98	--	--	1	25	--	--	62	99	47	--	68	--	20	--	--	--
	mS/cm	01/25/99	--	--	1	26	--	--	66	102	49	--	70	--	19	--	--	--
	mS/cm	07/21/99	--	--	1	70	--	--	140	238	48	--	111	--	27	--	--	--
	mS/cm	01/25/00	--	--	1	63	--	--	145	296	53	--	138	--	40	--	--	--
	mS/cm	07/20/00	--	--	1	52	--	--	187	223	40	--	104	--	41	--	--	--
	mS/cm	01/08/01	--	--	1	42	--	--	176	253	66	--	121	--	42	--	--	--
	mS/cm	01/08/01	--	--	1	--	--	--	176	253	--	--	--	--	42	--	--	--
	mS/cm	07/17/01	--	--	1	--	81	180	244	290	--	252	--	123	46	--	--	--
	mS/cm	09/25/01	--	--	1	--	67	145	--	--	--	346	--	107	--	--	--	--
	mS/cm	11/27/01	--	--	1	--	62	142	--	--	--	399	--	114	--	--	--	--
	mS/cm	01/23/02	--	--	1	--	51	101	114	166	--	220	--	95	37	--	--	--
	mS/cm	07/16/02	--	--	1	--	61	87	118	189	--	373	--	84	30	--	--	--
	mS/cm	01/29/03	--	--	1	--	158	201	248	284	--	--	--	139	62.4	60.3	87	--
	mS/cm	07/28/03	--	--	1	--	204	232	226	252	--	292	--	116	--	253	100	--
	mS/cm	01/14/04	--	--	1	--	122.3	202.3	191	295.2	--	138	--	121	--	76	60	--
	mS/cm	07/07/04	--	--	1	--	118.6	194.8	175.9	299.1	--	258.7	--	125.1	--	85.2	81	--
	mS/cm	08/31/04	--	--	1	--	--	--	--	--	--	--	--	--	53.7	--	--	--
	mS/cm	01/26/05	--	--	1	--	315	451	425	624	--	663	--	319	165	243	117	--
	mS/cm	07/20/05	--	--	1	--	148	230	196	402	--	507	--	148	51.2	Dry	90	--
	mS/cm	01/20/06	--	--	1	--	96.4	132	319	388	--	467	--	173.5	69.7	56.7	77.7	--
	mS/cm	07/25/06	--	--	1	--	106.7	206.9	175.7	341.3	--	479	--	149.6	51.3	Dry	47.1	--
	mS/cm	01/25/07	--	--	1	--	105	313	244	473	--	360	--	234	59	114	117	--
Temperature (field)	°C	06/01/97	--	--	--	16.9	--	--	16.1	15.9	17.6	--	16.1	--	17.6	--	--	--
	°C	11/09/97	--	--	--	16.1	--	--	16.9	16.9	16.0	--	15.8	--	16.6	--	--	--
	°C	02/01/98	--	--	--	13.9	--	--	13.1	15.8	15.9	--	13.8	--	15.9	--	--	--
	°C	07/28/98	--	--	--	15.4	--	--	16.7	15.9	15.1	--	19.9	--	18.17	--	--	--
	°C	01/25/99	--	--	--	25.0	--	--	25.0	25.0	25.0	--	25.0	--	25.0	--	--	--
	°C	07/21/99	--	--	--	19.7	--	--	20.0	19.4	20.6	--	22.7	--	19.4	--	--	--
	°C	01/25/00	--	--	--	16.1	--	--	7.7	7.9	8.3	--	13.0	--	15.5	--	--	--
	°C	07/20/00	--	--	--	21.8	--	--	23.3	20.0	21.9	--	22.2	--	22.0	--	--	--
	°C	01/08/01	--	--	--	16.0	--	--	15.7	15.8	16.0	--	16.3	--	16.0	--	--	--
	°C	01/08/01	--	--	--	--	--	--	15.7	15.8	--	--	--	--	16.0	--	--	--
	°C	07/17/01	--	--	--	--	21.8	19.9	20.3	20.7	--	18.8	--	19.6	20.1	--	--	--
	°C	09/25/01	--	--	--	--	19.8	19.4	--	--	--	19.7	--	17.6	--	--	--	--
	°C	11/27/01	--	--	--	--	17.1	17.0	--	--	--	15.7	--	15.5	--	--	--	--
	°C	01/23/02	--	--	--	--	15.9	15.9	15.7	16.6	--	15.8	--	14.9	17.5	--	--	--
	°C	07/16/02	--	--	--	--	21.1	20.2	19.3	18.4	--	21.3	--	18.4	22	--	--	--
	°C	01/29/03	--	--	--	--	14.8	14.1	13.1	15.8	--	--	--	13.6	15.5	3.2	6.2	--
	°C	07/28/03	--	--	--	--	20.1	19.6	21.5	19.0	--	18.1	--	19.3	--	26.8	25.7	--
	°C	01/14/04	--	--	--	--	16.2	11.7	13.1	17.2	--	7.7	--	15.6	--	7.1	6.7	--
	°C	07/07/04	--	--	--	--	21.6	20.6	23.1	23.7	--	18.3	--	18.8	--	27.9	28.3	--
	°C	08/31/04	--	--	--	--	--	--	--	--	--	--	--	--	19.6	--	--	--
	°C	01/26/05	--	--	--	--	16.9	17.5	10.7	15.2	--	15.1	--	13.4	14.9	14.1	3.5	--
	°C	07/20/05	--	--	--	--	22.4	20.7	23.7	20.7	--	19.5	--	19.3	20.4	Dry	26.1	--
	°C	01/20/06	--	--	--	--	17.7	17.5	13.5	15.8	--	16.3	--	15.9	15.2	16.2	13.1	--
	°C	07/25/06	--	--	--	--	21.6	22.2	23.3	19.9	--	21.4	--	21.6	22.4	Dry	27.6	--
	°C	01/25/07	--	--	--	--	16.6	15.6	14.3	16.5	--	17.8	--	16.3	17.0	11.8	13.8	--

TABLE 3

Summary of Groundwater Monitoring Results
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Reporting Limit	Upgradient			Downgradient									Blanks
						MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	SW-3	SW-4	
Turbidity (field)	NTU	06/01/97	--	--	0.1	52	--	--	440	91	550	--	80	--	31	--	--	--
	NTU	11/09/97	--	--	0.1	>1000	--	--	>1000	>1000	>1000	--	>1000	--	>1000	--	--	--
	NTU	02/01/98	--	--	0.1	500	--	--	190	150	749	--	150	--	431	--	--	--
	NTU	07/28/98	--	--	0.1	41	--	--	17	26	142	--	19	--	15	--	--	--
	NTU	01/25/99	--	--	0.1	73	--	--	12	24	11	--	49	--	120	--	--	--
	NTU	07/21/99	--	--	0.1	120	--	--	38	205	122	--	120	--	7.77	--	--	--
	NTU	01/25/00	--	--	0.1	8.67	--	--	8.18	143	16	--	677	--	30	--	--	--
	NTU	07/20/00	--	--	0.1	32	--	--	12	165	27	--	16	--	39	--	--	--
	NTU	01/08/01	--	--	0.1	35	--	--	110	45	--	--	37	--	35	--	--	--
	NTU	01/08/01	--	--	0.1	--	--	--	110	45	--	--	--	--	35	--	--	--
	NTU	07/17/01	--	--	0.1	--	542	180	126	140	--	6.64	--	115	38	--	--	--
	NTU	09/25/01	--	--	0.1	--	145	11	--	--	--	6.85	--	20	--	--	--	--
	NTU	11/27/01	--	--	0.1	--	147	16	--	--	--	12	--	6.04	--	--	--	--
	NTU	01/23/02	--	--	0.1	--	156	10	152	12	--	4.28	--	11	39	--	--	--
	NTU	07/16/02	--	--	0.1	--	77	29	28	18	--	4.89	--	12	650	--	--	--
	NTU	01/29/03	--	--	0.1	--	62.1	12.4	23.9	24.5	--	--	--	5.93	65.3	16.7	22.4	--
	NTU	07/28/03	--	--	0.1	--	100	20	16	10	--	0.0	--	10	--	11	18	--
	NTU	01/14/04	--	--	0.1	--	80	7.55	61.7	45.2	--	9.48	--	26.1	--	4.3	14.6	--
	NTU	07/07/04	--	--	0.1	--	54	5.96	50.1	71.4	--	10.4	--	127	--	4.82	4.04	--
	NTU	08/31/04	--	--	0.1	--	--	--	--	--	--	--	--	--	82.0	--	--	--
	NTU	01/26/05	--	--	0.1	--	47.6	19.8	10.6	10.6	--	1.04	--	1.84	5.34	5.2	29.5	--
	NTU	07/20/05	--	--	0.1	--	46.1	18.0	12.7	14.0	--	21.0	--	31.7	17.8	Dry	6.41	--
	NTU	01/20/06	--	--	0.1	--	11.00	13.38	26.72	6.11	--	5.79	--	26.2	2.08	3.21	5.28	--
	NTU	07/25/06	--	--	0.1	--	283	22.4	56.6	38.6	--	2.64	--	8.18	34.5	Dry	121	--
	NTU	01/25/07	--	--	0.1	--	<1000	97.4	<1000	642	--	0.0	--	527	854	0.0	0.0	--

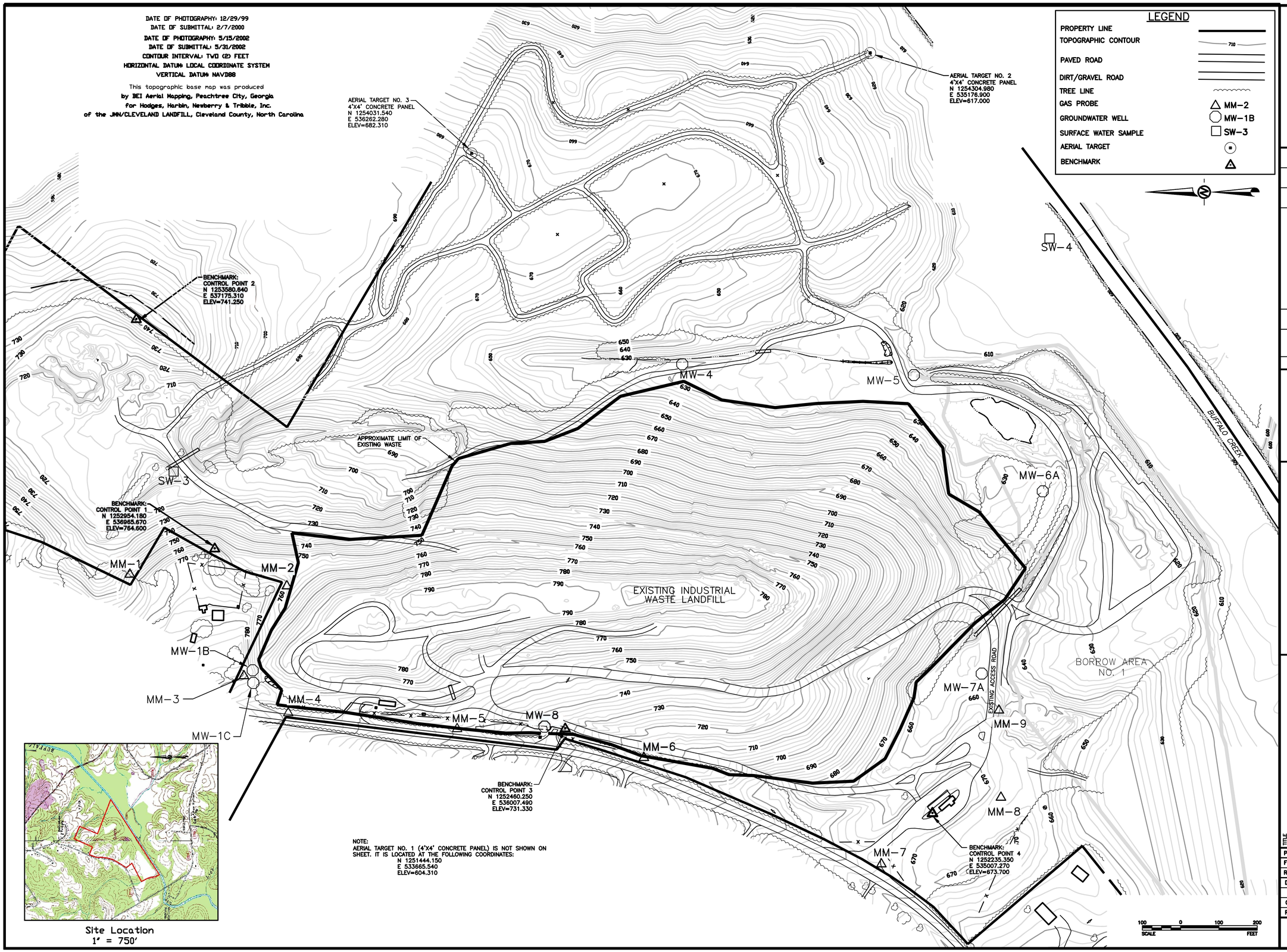
Notes:

mg/L =	milligrams per liter
ug/L =	micrograms per liter
J =	Estimated value
B =	Blank-qualified data
S.U. =	Standard Units
NTU =	Nephelometric Turbidity Units
ND =	Not detected at the stated reporting limit
NE =	Not established
uS=	microsiemens
mV =	Millivolts
-- =	no data
Blanks =	field, trip and method blanks
Shaded =	Concentrations above the NC 2L (Groundwater Protection) standards (or proposed standards) have been shaded

DRAWING

DATE OF PHOTOGRAPHY: 12/29/99
DATE OF SUBMITTAL: 2/7/2000
DATE OF PHOTOGRAPHY: 5/15/2002
DATE OF SUBMITTAL: 5/31/2002
CONTOUR INTERVAL: TWO (2) FEET
HORIZONTAL DATUM: LOCAL COORDINATE SYSTEM
VERTICAL DATUM: NAVD88

This topographic base map was produced
by BEI Aerial Mapping, Peachtree City, Georgia
for Hodges, Harbin, Newberry & Tribble, Inc.
of the JMN/CLEVELAND LANDFILL, Cleveland County, North Carolina



Site Location
1" = 750'

NOTE:
AERIAL TARGET NO. 1 (4'X4' CONCRETE PANEL) IS NOT SHOWN ON SHEET. IT IS LOCATED AT THE FOLLOWING COORDINATES:
N 1251444.150
E 533665.540
ELEV=604.310

Golder Associates
Greensboro, NC

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	02/25/07	DES	REVISION DESCRIPTION	LKB	CHK	RVW

JMN/CLEVELAND CONTAINER INDUSTRIAL LANDFILL
REPUBLIC SERVICES OF NC, LLC
CLEVELAND COUNTY, NC
PERMIT NO. 23-02

TITLE
SITE MAP

PROJECT No.	063-6569	
FILE No.		
REV. 1	SCALE	AS SHOWN
DESIGN	CH	03/13/07
CADD	LKB	03/13/07
CHECK		
REVIEW		

DWG. 1

APPENDIX I

GROUNDWATER AND SURFACE WATER SAMPLING LOGS

DATE: 01/25/07

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: JMN/Clev Con. LF
Project No./Phase No.: 063-6569007.100
Well ID: MW-1B
Sampler(s): B. Draper/ W. Jappe
Well Diameter: 2 inches
Initial Depth to Water: 51.47 feet
Depth to Bottom: 59.00 feet
Water Column Thickness: 7.53 feet
Purge Volume: 1.20 gallons
3x Purge Volume: 3.60 gallons
Well Location: Over the landfill next to access road.
Equipment: Horiba water quality meter, disposable bailer, WL indicator

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	Volume (gallons)
8:34	5.88	0.055	16.5	10.30	15.2	230	0.0
8:36	5.36	0.078	968.0	10.50	16.1	210	1.2
8:44	6.30	0.081	>1000	10.30	15.9	211	2.4
8:47	5.89	0.105	>1000	9.80	16.6	209	3.6
Sampled @ 11:55							
11:55	6.20	0.102	947.0	9.20	16.3	146	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, Cool 50's °F

Signature: [signature] **Date:** 1-25-2007
QA/QC Sign Off: [signature] **Date:** 3-12-07

DATE: 01/25/07

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: JMN/Clev Con. LF
Project No./Phase No.: 063-6569007.100
Well ID: MW-1C
Sampler(s): B. Draper/ W. Jappe
Well Diameter: 2 inches
Initial Depth to Water: 49.00 feet
Depth to Bottom: 76.00 feet
Water Column Thickness: 27.00 feet
Purge Volume: 4.41 gallons
3x Purge Volume: 13.21 gallons
Well Location: Over landfill next to access road.
Equipment: Horiba water quality meter, WL indicator, disposable bailer

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	Volume (gallons)
8:00	4.64	0.322	27.6	9.6	15.3	250	0.0
8:15	5.12	0.311	31.9	10.1	15.8	244	4.4
8:30	5.74	0.309	0.0	10.6	16.0	235	8.8
8:45	6.13	0.313	97.4	8.9	15.6	222	13.3
Sampled @ 11:45							
11:45	5.88	0.311	15.3	10.1	15.4	150	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, Cool 50's °F

Signature: [signature] **Date:** 1-25-2007
QA/QC Sign Off: [signature] **Date:** 3-12-07

DATE: 01/25/07

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: JMN/Clev Con. LF
Project No./Phase No.: 063-6569007.100
Well ID: MW-4
Sampler(s): B. Draper/ W.Jappe
Well Diameter: 2 inches
Initial Depth to Water: 6.78 feet
Depth to Bottom: 17.60 feet
Water Column Thickness: 10.82 feet
Purge Volume: 1.73 gallons
3x Purge Volume: 5.19 gallons
Well Location: Around backside of LF next to access road.
Equipment: Horiba water quality meter, disposable bailer, WL indicator.

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	Volume (gallons)
10:13	6.89	0.140	183.0	8.1	12.1	2	0.00
10:15	6.23	0.161	>1000	10.0	13.5	6	1.73
10:17	6.01	0.227	>1000	10.2	13.8	-5	3.46
10:20	6.09	0.244	>1000	9.0	14.3	-23	5.19
Sampled @ 14:20							
14:20	6.16	0.213	69.6	9.6	12.2	66	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, Cool 50's °F

Signature: [signature] **Date:** 1-25-2007
QA/QC Sign Off: [signature] **Date:** 3-12-07

DATE: 01/25/07

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: JMN/Clev Con. LF
Project No./Phase No.: 063-6569007.100
Well ID: MW-5
Sampler(s): B. Draper/ W.Jappe
Well Diameter: 2 inches
Initial Depth to Water: 15.62 feet
Depth to Bottom: 25.80 feet
Water Column Thickness: 10.20 feet
Purge Volume: 1.60 gallons
3x Purge Volume: 4.89 gallons
Well Location: Around backside next to access road.
Equipment: Horiba water quality meter, disposable bailer, WL indicator.

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	Volume (gallons)
10:29	5.73	0.552	730.0	6.5	16.4	70	0.0
10:31	5.99	0.501	258.0	9.1	16.7	94	1.6
10:36	5.04	0.481	361.0	9.0	15.9	122	3.2
10:39	5.72	0.473	642.0	9.5	16.5	137	4.9
Sampled @ 13:55							
13:55	5.55	0.532	110.0	7.9	16.0	241	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, Cool 50's °F

Signature: [signature] **Date:** 1-25-2007
QA/QC Sign Off: [signature] **Date:** 3-12-07

DATE: 01/25/07

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: JMN/Clev Con. LF
Project No./Phase No.: 063-6569007.100
Well ID: MW-6A
Sampler(s): B. Draper/ W. Jappe
Well Diameter: 2 inches
Initial Depth to Water: 28.48 feet
Depth to Bottom: 33.30 feet
Water Column Thickness: 4.82 feet
Purge Volume: 0.80 gallons
3x Purge Volume: 2.40 gallons
Well Location: To the left of access road on the way to backside.
Equipment: Horiba water quality meter, disposable bailer, WL indicator.

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	Volume (gallons)
9:22	5.57	0.450	0.0	5.3	16.1	67	0.0
9:25	6.30	0.391	0.0	8.0	17.5	86	0.8
9:28	6.25	0.366	0.0	7.2	17.3	95	1.6
9:30	6.25	0.360	0.0	7.4	17.8	108	2.4
Sampled @ 9:30							
9:37	6.06	0.349	5.3	10.4	17.1	121	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, Cool 50's °F

Signature: [signature] **Date:** 1-25-2007
QA/QC Sign Off: [signature] **Date:** 3-12-07

DATE: 01/25/07

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: JMN/Clev Con. LF
Project No./Phase No.: 063-6569007.100
Well ID: MW-7A
Sampler(s): B. Draper/ W.Jappe
Well Diameter: 2 inches
Initial Depth to Water: 35.49 feet
Depth to Bottom: 37.60 feet
Water Column Thickness: 2.11 feet
Purge Volume: 0.35 gallons
3x Purge Volume: 1.04 gallons
Well Location: Next to access road.
Equipment: Horiba water quality meter, disposable bailer, WL indicator.

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	Volume (gallons)
9:01	5.22	0.210	32.1	8.7	14.7	269	0.0
9:03	5.10	0.223	237.0	9.3	15.9	258	0.4
9:05	5.16	0.225	288.0	5.5	16.3	255	0.8
9:07	5.27	0.234	527.0	6.7	16.3	255	1.2
Sampled @ 13:50							
13:50	5.40	0.226	27.0	7.2	16.4	241	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, Cool 50's °F

Signature: [signature] **Date:** 1-25-2007
QA/QC Sign Off: [signature] **Date:** 3-12-07

DATE: 01/25/07

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: JMN/Clev Con. LF
Project No./Phase No.: 063-6569007.100
Well ID: MW-8
Sampler(s): B. Draper/ W.Jappe
Well Diameter: 2 inches
Initial Depth to Water: 48.23 feet
Depth to Bottom: 55.00 feet
Water Column Thickness: 6.77 feet
Purge Volume: 1.08 gallons
3x Purge Volume: 3.24 gallons
Well Location: Next to the road outside of landfill.
Equipment: Horiba water quality meter, disposable bailer, WL indicator.

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Dis O2 (mg/L)	Temp. (oC)	ORP (millivolts)	Volume (gallons)
11:00	6.23	0.065	0.0	9.8	16.6	157	0.00
11:04	5.71	0.060	502	9.6	17.1	176	1.09
11:06	5.62	0.068	708	9.6	17.0	162	2.18
11:08	5.63	0.059	854	9.8	17.0	142	3.24
Sampled @ 14:40							
14:40	5.64	0.059	44.1	6.6	16.7	107	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, Cool 50's °F

Signature: [signature] **Date:** 1-25-2007
QA/QC Sign Off: [signature] **Date:** 3-12-07

DATE: 01/25/07

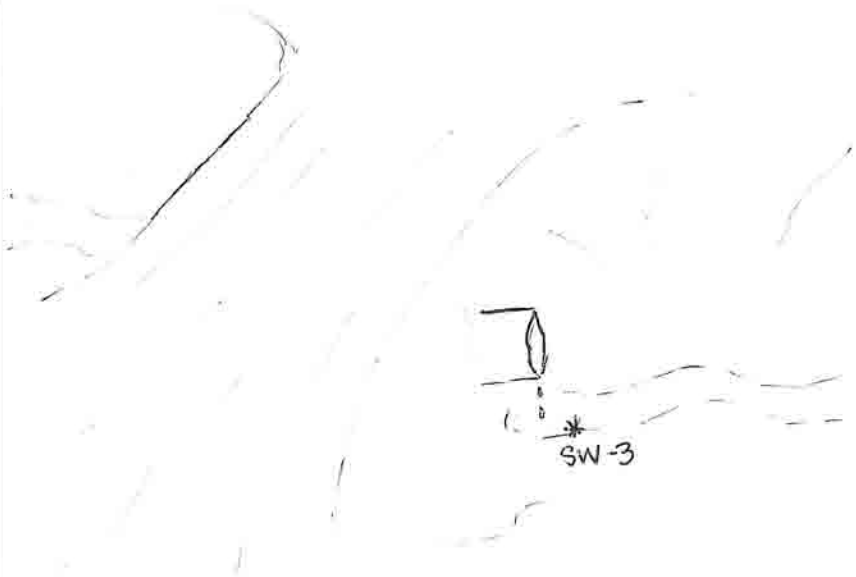
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: JMN/Clev Con. LF **Project No./Phase No.:** 063-6569007.100
Sample ID: SW-3 **Sampler(s):** B. Draper/ W. Jappe
Sampling Location: Drainage off access road on backside.
Equipment: Horiba water quality meter

Time	11:25
pH s.u.	6.00
Cond. mS/cm	0.114
Turb. ntu	0.0
Dis. O2 mg/L	8.6
Temp. oC	11.8
TDS Sal	---
ORP mv	153

Surface Water Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Sunny, Cool 50's °F

Signature: [signature] Date: 1-25-2007
QA/QC Sign Off: [signature] Date: 3-12-07

DATE: 01/25/07

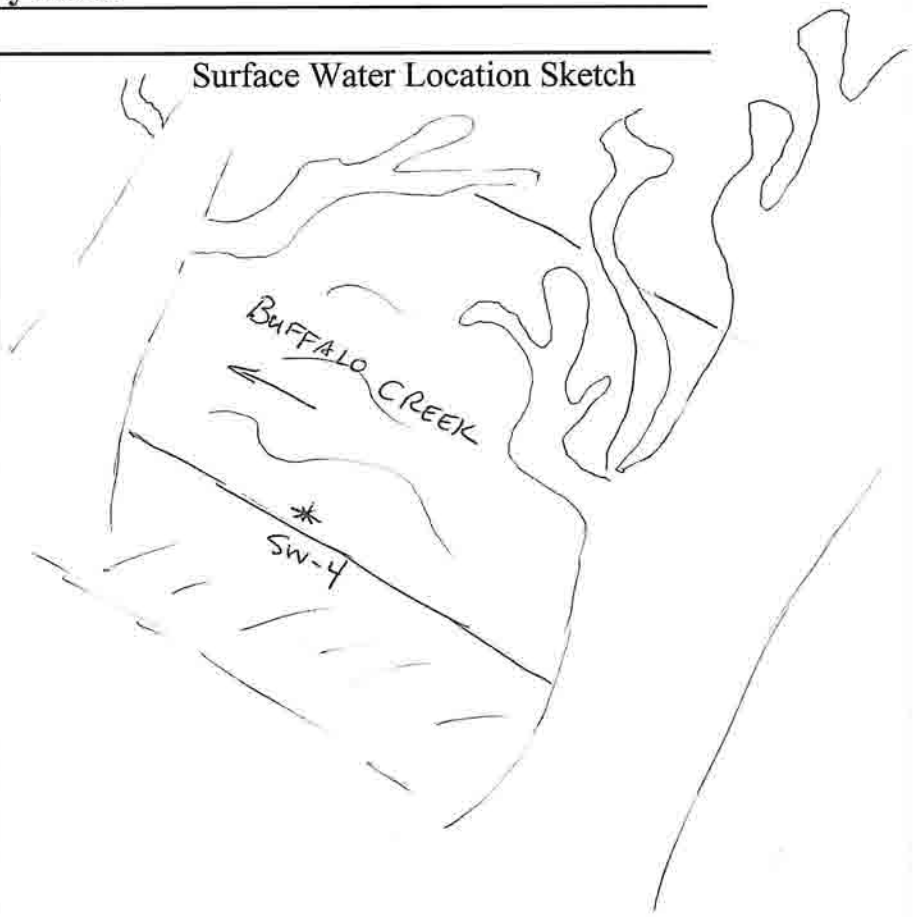
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: JMN/Clev Con. LF **Project No./Phase No.:** 063-6569007.100
Sample ID: SW-4 **Sampler(s):** B. Draper/ W. Jappe
Sampling Location: Sampled at Buffalo Creek.
Equipment: Horiba water quality meter

Time	11:40
pH s.u.	6.19
Cond. mS/cm	0.117
Turb. ntu	0.0
Dis. O2 mg/L	5.0
Temp. oC	13.8
TDS Sal	---
ORP mv	233

Surface Water Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Sunny, Cool 50's °F

Signature: [signature] Date: 1-25-2007
QA/QC Sign Off: [signature] Date: 3-12-07

APPENDIX II

JANUARY 2007 CERTIFICATES-OF-ANALYSIS, CHAIN-OF-CUSTODY FORMS AND LABORATORY DATA REVIEWS

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

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Friday, February 9, 2007

Golder Associates, Inc. (GO007)
Attn: Dusty Reedy
The Wingate Building 4900 Koger Blvd., Suite 140
Greensboro, NC 27407

RE: Project Number: 063-6569.007.100, Project Name/Desc: Republic - JMN/Cleveland Container
ENCO Workorder: C605138

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, January 26, 2007.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

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

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 2302-MW1B
Sampled: 01/25/07 11:55
Lab ID: C605138-01
Received: 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 14:58
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 16:50
EPA 8260B	02/08/07	02/03/07 07:37	2/3/2007 23:55

Client ID: 2302-MW1C
Sampled: 01/25/07 11:45
Lab ID: C605138-02
Received: 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 15:05
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 16:52
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 00:21

Client ID: 2302-MW4
Sampled: 01/25/07 14:20
Lab ID: C605138-03
Received: 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 15:31
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 16:55
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 00:46

Client ID: 2302-MW5 MS/MSD
Sampled: 01/25/07 13:55
Lab ID: C605138-04
Received: 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 14:32
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 16:30
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 01:12

Client ID: 2302-MW6A **Lab ID:** C605138-05
Sampled: 01/25/07 09:30 **Received:** 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 15:38
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 16:58
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 01:38

Client ID: 2302-MW7A **Lab ID:** C605138-06
Sampled: 01/25/07 13:50 **Received:** 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 15:45
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 17:01
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 02:04

Client ID: 2302-MW8 **Lab ID:** C605138-07
Sampled: 01/25/07 14:40 **Received:** 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 15:52
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 17:03
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 02:29

Client ID: 2302-SW3 **Lab ID:** C605138-08
Sampled: 01/25/07 11:25 **Received:** 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 15:59
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 17:12
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 02:55

Client ID: 2302-MW4 **Lab ID:** C605138-09
Sampled: 01/25/07 13:10 **Received:** 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 16:06
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 17:15
EPA 8260B	02/08/07	02/03/07 07:37	2/4/2007 03:21

Client ID: 2302-Field Blank **Lab ID:** C605138-10

Sampled: 01/25/07 14:45 **Received:** 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/24/07	02/05/07 14:12	2/8/2007 16:14
EPA 7470A	02/22/07	02/05/07 15:54	2/6/2007 17:18
EPA 8260B	02/08/07	02/03/07 07:37	2/3/2007 23:29

Client ID: 2302-Trip Blank **Lab ID:** C605138-11

Sampled: 01/25/07 00:00 **Received:** 01/26/07 11:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/08/07	02/03/07 07:37	2/3/2007 22:12

SAMPLE DETECTION SUMMARY

Client ID: 2302-MW1B	Lab ID: C605138-01	NC SWS		
Analyte	Results/Qual	RL	Units	Method
Barium	109	100	ug/L	EPA 6010B
Chromium	13.7	10	ug/L	EPA 6010B
Lead	3.3 J	10	ug/L	EPA 6010B

Client ID: 2302-MW1C	Lab ID: C605138-02	NC SWS		
Analyte	Results/Qual	RL	Units	Method
Barium	28.4	100	ug/L	EPA 6010B
Selenium	2.2 J	10	ug/L	EPA 6010B

Client ID: 2302-MW4	Lab ID: C605138-03	NC SWS		
Analyte	Results/Qual	RL	Units	Method
Barium	33.2	100	ug/L	EPA 6010B
Chloromethane	1.0	5.5	ug/L	EPA 8260B
cis-1,2-Dichloroethene	0.31 J	5	ug/L	EPA 8260B
Toluene	2.8	5	ug/L	EPA 8260B

Client ID: 2302-MW5 MS/MSD	Lab ID: C605138-04	NC SWS		
Analyte	Results/Qual	RL	Units	Method
1,2-Dichlorobenzene	30	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	3.6	3	ug/L	EPA 8260B
Barium	354	100	ug/L	EPA 6010B
Benzene	1.5	3	ug/L	EPA 8260B
Chlorobenzene	14	3	ug/L	EPA 8260B
Chloromethane	5.3	5.5	ug/L	EPA 8260B
cis-1,2-Dichloroethene	1.4	5	ug/L	EPA 8260B
Methylene chloride	0.49 J	5.5	ug/L	EPA 8260B
Tetrachloroethene	0.50 J	3	ug/L	EPA 8260B
Trichlorofluoromethane	0.40 J	5	ug/L	EPA 8260B

Client ID: 2302-MW6A	Lab ID: C605138-05	NC SWS		
Analyte	Results/Qual	RL	Units	Method
1,2-Dichlorobenzene	0.36 J	5	ug/L	EPA 8260B
Barium	47.6	100	ug/L	EPA 6010B
Chlorobenzene	0.71 J	3	ug/L	EPA 8260B
Chloroethane	0.51 J	10	ug/L	EPA 8260B
Chloromethane	1.8	5.5	ug/L	EPA 8260B

Client ID: 2302-MW7A	Lab ID: C605138-06	NC SWS		
Analyte	Results/Qual	RL	Units	Method
1,4-Dichlorobenzene	0.62 J	3	ug/L	EPA 8260B
Barium	126	100	ug/L	EPA 6010B
Benzene	1.7	3	ug/L	EPA 8260B
Chlorobenzene	2.0	3	ug/L	EPA 8260B
Chloromethane	3.9	5.5	ug/L	EPA 8260B

cis-1,2-Dichloroethene	1.7	5	ug/L	EPA 8260B
Mercury	1.70	0.2	ug/L	EPA 7470A
Client ID: 2302-MW8	**Lab ID: C605138-07**			
Analyte	**Results/Qual**	**NC SWS RL**	**Units**	**Method**
Acetone	31	100	ug/L	EPA 8260B
Barium	57.5	100	ug/L	EPA 6010B
Cadmium	1.10	1	ug/L	EPA 6010B
Chloromethane	0.34 J	5.5	ug/L	EPA 8260B
Tetrachloroethene	0.68 J	3	ug/L	EPA 8260B
Trichlorofluoromethane	0.85 J	5	ug/L	EPA 8260B
Vinyl chloride	1.2	5.5	ug/L	EPA 8260B
Client ID: 2302-SW3	**Lab ID: C605138-08**			
Analyte	**Results/Qual**	**NC SWS RL**	**Units**	**Method**
Barium	29.9	100	ug/L	EPA 6010B
Client ID: 2302-MW4	**Lab ID: C605138-09**			
Analyte	**Results/Qual**	**NC SWS RL**	**Units**	**Method**
Barium	24.0	100	ug/L	EPA 6010B
Client ID: 2302-Field Blank	**Lab ID: C605138-10**			
Analyte	**Results/Qual**	**NC SWS RL**	**Units**	**Method**
Barium	0.30 J	100	ug/L	EPA 6010B

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ANALYTICAL REPORT

Sample ID:	2302-MW1B	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-01	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW1B	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-01	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51	50.0	102 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	56	50.0	111 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID:	2302-MW1B	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-01	Work Order #:	C605138
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**109**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	**13.7**	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	**3.3** J	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-MW1C	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-02	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW1C	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-02	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52	50.0	104 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	103 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	110 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-MW1C
Lab #: C605138-02

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**28.4**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	**2.2 J**	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-MW4	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-03	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	**1.0**	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.31** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW4	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-03	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	**2.8**	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	105 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	103 %	68.8-111.3
Toluene-d8	2037-26-5	56	50.0	112 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-MW4
Lab #: C605138-03

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**33.2**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-MW5 MS/MSD	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-04	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	**30**	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	**3.6**	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	**1.5**	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	**14**	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	**5.3**	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**1.4**	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**0.49** J	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	**0.50** J	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW5 MS/MSD	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-04	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	**0.40** J	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	110 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-MW5 MS/MSD
Lab #: C605138-04

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**354**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-MW6A	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-05	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	**0.36** J	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	**0.71** J	0.16	1.0	3	ug/L
Chloroethane	75-00-3	**0.51** J	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	**1.8**	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW6A	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-05	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52	50.0	105 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	104 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	110 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-MW6A
Lab #: C605138-05

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**47.6**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-MW7A	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-06	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	**0.62 J**	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	**1.7**	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	**2.0**	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	**3.9**	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**1.7**	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW7A	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-06	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	105 %	66.9-124.7
Dibromofluoromethane	1868-53-7	49	50.0	99 %	68.8-111.3
Toluene-d8	2037-26-5	58	50.0	117 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-MW7A
Lab #: C605138-06

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**126**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	**1.70**	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-MW8	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-07	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	**31**	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	**0.34** J	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	**0.68** J	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW8	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-07	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	**0.85** J	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**1.2**	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51	50.0	103 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	111 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-MW8
Lab #: C605138-07

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**57.5**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	**1.10**	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-SW3	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-08	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-SW3	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-08	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	56	50.0	111 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-SW3
Lab #: C605138-08

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**29.9**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-MW4	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-09	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-MW4	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-09	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	53	50.0	105 %	68.8-111.3
Toluene-d8	2037-26-5	59	50.0	118 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-MW4
Lab #: C605138-09

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**24.0**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-Field Blank	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-10	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-Field Blank	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-10	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52	50.0	105 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	111 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: 2302-Field Blank
Lab #: C605138-10

Project: Republic - JMN/Cleveland Container
Work Order #: C605138
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**0.30** J	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Mercury	7439-97-6	0.11 U	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7B05023
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	2302-Trip Blank	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-11	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	2302-Trip Blank	Project:	Republic - JMN/Cleveland Container
Lab #:	C605138-11	Work Order #:	C605138
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B03001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	105 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	100 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	111 %	87.3-120.3

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 7B03001 - EPA 5030B_MS

Blank (7B03001-BLK1) Prepared: 02/03/2007 07:37 Analyzed: 02/03/2007 21:46

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7B03001 - EPA 5030B_MS										
Blank (7B03001-BLK1) Continued				Prepared: 02/03/2007 07:37 Analyzed: 02/03/2007 21:46						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7B03001-BS1)				Prepared: 02/03/2007 07:37 Analyzed: 02/04/2007 05:55						
Benzene	20	1.0	ug/L	20.0		100	75.7-115.5			
Trichloroethene	21	1.0	ug/L	20.0		105	30.9-117.6			
Chlorobenzene	20	1.0	ug/L	20.0		99	75.2-115			
1,1-Dichloroethene	23	1.0	ug/L	20.0		115	57.1-141.1			
Toluene	21	1.0	ug/L	20.0		105	76.7-120			
Matrix Spike (7B03001-MS1)		**Source: C605138-04**		Prepared: 02/03/2007 07:37 Analyzed: 02/04/2007 06:20						
Benzene	24	1.0	ug/L	20.0	1.5	111	75.7-115.5			
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	98	30.9-117.6			
Chlorobenzene	32	1.0	ug/L	20.0	14	93	75.2-115			
1,1-Dichloroethene	23	1.0	ug/L	20.0	0.14 U	114	57.1-141.1			
Toluene	21	1.0	ug/L	20.0	0.15 U	104	76.7-120			
Matrix Spike Dup (7B03001-MSD1)		**Source: C605138-04**		Prepared: 02/03/2007 07:37 Analyzed: 02/04/2007 06:46						
Benzene	24	1.0	ug/L	20.0	1.5	113	75.7-115.5	2	14.2	
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	98	30.9-117.6	0.4	10.6	
Chlorobenzene	33	1.0	ug/L	20.0	14	95	75.2-115	1	11.9	
1,1-Dichloroethene	23	1.0	ug/L	20.0	0.14 U	114	57.1-141.1	0.3	12.3	
Toluene	22	1.0	ug/L	20.0	0.15 U	109	76.7-120	5	16.8	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B02020 - EPA 3005A										
Blank (7B02020-BLK1)				Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:14						
Arsenic	2.0 U	10.0	ug/L							
Barium	0.20 U	10.0	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Selenium	2.6 J	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
LCS (7B02020-BS1)				Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:21						
Arsenic	996	10.0	ug/L	1000		100	82-117			
Barium	988	10.0	ug/L	1000		99	72-125			
Cadmium	508	1.00	ug/L	500		102	72-120			
Chromium	979	10.0	ug/L	1000		98	78-119			
Lead	992	10.0	ug/L	1000		99	72-121			
Selenium	1030	10.0	ug/L	1000		103	82-127			
Silver	95.3	10.0	ug/L	100		95	80-128			
Matrix Spike (7B02020-MS1)		**Source: C605138-04**		Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:39						
Arsenic	968	10.0	ug/L	1000	2.0 U	97	64-126			
Barium	1320	10.0	ug/L	1000	354	96	74-119			
Cadmium	490	1.00	ug/L	500	0.50 U	98	68-121			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B02020 - EPA 3005A										
Matrix Spike (7B02020-MS1) Continued		**Source: C605138-04**		Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:39						
Chromium	947	10.0	ug/L	1000	2.0 U	95	73-120			
Lead	961	10.0	ug/L	1000	2.0 U	96	68-126			
Selenium	996	10.0	ug/L	1000	2.0 U	100	65-129			
Silver	92.0	10.0	ug/L	100	2.0 U	92	69-121			
Matrix Spike Dup (7B02020-MSD1)		**Source: C605138-04**		Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:47						
Arsenic	972	10.0	ug/L	1000	2.0 U	97	64-126	0.4	12	
Barium	1320	10.0	ug/L	1000	354	96	74-119	0.08	11	
Cadmium	491	1.00	ug/L	500	0.50 U	98	68-121	0.2	12	
Chromium	945	10.0	ug/L	1000	2.0 U	94	73-120	0.2	10	
Lead	948	10.0	ug/L	1000	2.0 U	95	68-126	1	19	
Selenium	984	10.0	ug/L	1000	2.0 U	98	65-129	1	10	
Silver	92.8	10.0	ug/L	100	2.0 U	93	69-121	0.9	12	
Batch 7B05023 - EPA 7470A										
Blank (7B05023-BLK1)				Prepared: 02/05/2007 15:54 Analyzed: 02/06/2007 16:25						
Mercury	0.11 U	0.20	ug/L							
LCS (7B05023-BS1)				Prepared: 02/05/2007 15:54 Analyzed: 02/06/2007 16:27						
Mercury	5.09	0.20	ug/L	5.00		102	87-123			
Matrix Spike (7B05023-MS1)		**Source: C605138-04**		Prepared: 02/05/2007 15:54 Analyzed: 02/06/2007 16:41						
Mercury	4.68	0.20	ug/L	5.00	0.11 U	94	63-132			
Matrix Spike Dup (7B05023-MSD1)		**Source: C605138-04**		Prepared: 02/05/2007 15:54 Analyzed: 02/06/2007 16:43						
Mercury	4.59	0.20	ug/L	5.00	0.11 U	92	63-132	2	10	
Post Spike (7B05023-PS1)		**Source: C605138-04**		Prepared: 02/05/2007 15:54 Analyzed: 02/06/2007 16:45						
Mercury	4.62	0.20	ug/L	5.00	-0.10	94	85-115			

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Client Name: Golder Associates, Inc. (GO007)	Project Number: 063-6569.007.100
Address: The Wingate Building 4900 Koger Blvd., Suite 140	Project Name/Desc: Republic - JMN/Cleveland Container
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info:
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): B. Desper / W. Jappe	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C605138

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Cd,Cr,Hg,Pb,Se	Sample Comments
	2302-MW1B	1-25-2007	11:55	G	Water	4	X	X	NC App. I VOCs by 8260 & RCRA Metals
	2302-MW1C	1-25-2007	11:45	G	Water	4	X	X	
	2302-MW4	1-25-2007	14:20	G	Water	4	X	X	
	2302-MW5 MS/MSD	1-25-2007	13:55	G	Water	7	X	X	
	2302-MW6A	1-25-2007	9:30	G	Water	4	X	X	
	2302-MW7A	1-25-2007	13:50	G	Water	4	X	X	
	2302-MW8	1-25-2007	17:40	G	Water	4	X	X	
	2302-SW3	1-25-2007	11:25	G	Water	4	X	X	
	2302-~~MW4~~ SW4 WJ	1-25-2007	13:10	G	Water	4	X	X	
	2302-Field Blank	1-25-2007	14:45	G	Water	4	X	X	
	2302-Trip Blank	—	—	G	Water	3	X		NC App. I VOCs by 8260
	~~Extra~~				~~Water~~	~~4~~	~~X~~	~~X~~	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	1-25-2007/18:30	[signature]	1/26/07 11:45
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments: Unit Rates per "Basic Ordering Agreement for Laboratory Services 2004" + "2006 ENCO MSA Price List" Need 7-10day TAT w/ no Surcharge Estimated fee: $1600

Cooler #'s & Temps on Receipt: 2.2°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

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

LOA per Rachel Kirkman [signature] Approved By: [signature]

WORK ORDER

Printed: 2/9/2007 2:30:30PM

C701538

ENCO Cary

Sample Receipt Conditions

Client:	**Aqua NC - Cary (AQ002)**	**Lab Project Mgr:**	**Link Thrower**
Project:	**NOTTINGHAM FOREST/SAULS RIDGE - PBCU**	**Project Number:**	**8309 Cedarbrook Ct.**
PO #:			

Report To:
Aqua NC - Cary (AQ002)
Mark English
PO DRAWER 4889
CARY, NC 27519-
Phone: (919) 467-8712
Fax: () -

Invoice To:
Aqua NC - Cary (AQ002)
Accounts Payable
PO DRAWER 4889
CARY, NC 27519-
Phone :(919) 467-8712
Fax: () -

Received By:	John W. Lowther	Date Received:	07-Feb-07 15:30
Logged In By:	John W. Lowther	Date Logged In:	08-Feb-07 09:28

Workorder Comments:

Default Cooler

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	N	COC/Labels Agree	N
Custody Seals Intact	N	Volatile Containers Preserved	N	Volatile Containers Headspace Free	N	Aqueous Samples Checked for Residual Cl	N		

Reviewed By

Date

GOLDER ASSOCIATES NC, INC.
QUALITY ASSURANCE & QUALITY CONTROL
LABORATORY DATA REVIEW

Project Name: Republic - JMN/Cleveland Container Landfill

Project Reference Number: 063-6569.007.100

Sampling Event Date: January 25 2007

Review Date: February 15, 2007 *Initials:* JD

Review Date: March 8, 2007 *Initials:* BD

Report #: C6051438

Person(s) performing the review are to initial each item on this form as acknowledgement of data acceptance, or as acknowledgement of a review issue. In the case of the latter, a brief explanation should follow the applicable item.

Golder Associates Inc. has reviewed the laboratory certificates of analysis, chain-of-custody form, and laboratory provided sample group quality assurance and quality control data for the above referenced sample group to identify potential bias or inaccuracy, in general accordance with the following United States Environmental Protection Agency documents:

- Region III Modifications to Functional Guidelines for Organic Data Review Multi-Media, Multi-Concentration, September 1994;
- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, April 1993; and
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, July 1998.

COMPLIANCE ANALYTE LIST(S) (check all that apply)

___ NC Closed Facility/C & D List

X NC Appendix I

___ NC Appendix I + Detects

___ NC Appendix II

___ NC Subtitle D Leachate List

Other: 8 RCRA Metals

1.0 CHAIN OF CUSTODY (COC) REVIEW

JD BD COC was properly signed by all parties.

JD BD Correct project name and number are on the form.

JD BD Sample receipt condition at laboratory was acceptable.

JD BD Each sample and blank submitted for analysis appears in the report.

Notes: _____

2.0 SAMPLE HOLDING TIMES

JD BD Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

Notes: _____

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

JD BD Laboratory analyzed at least one internal blank for each method, where applicable.

JD BD Laboratory blank is interference-free.

- ***Selenium was detected in a lab blank at a concentration of 2.6 µg/L (J). Selenium was also detected in MW-1C and needs a B-flag.***

JD BD Surrogate recoveries are provided for each analytical method, where applicable.

JD BD Surrogate recoveries for each method are within the acceptable limits (i.e., at least 50% of the surrogates were within range).

JD BD MS/MSD/LCS data results are provided for each analytical method.

JD BD MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

Notes: _____

4.0 ANALYTE LISTS/METHODS

JD BD The proper number of constituents are present for each analyte list as identified above (including detects where applicable).

JD BD Proper EPA SW-846 analytical methods were used for analysis.

Notes: _____

5.0 DATA REPORTING

JD BD All analytical reporting associated with the event was performed by the contracted lab.

JD BD Trip, field and/or equipment, and laboratory blank results have all been reported. All detects for blanks are listed below by constituent. All laboratory method blanks, if any, have been 'flagged' with a 'B' where detected in other samples as appropriate and a laboratory narrative was provided. If the sample was flagged by the laboratory and is not within 5X of the concentration in the blank (or 10X for commonly detected laboratory contaminants-acetone, methylene chloride and phthalates), list below with explanation if flags should be removed. If flags need to be added for samples, also list below.

Field Blank:

- ***Barium @ 0.30 µg/L (J)***

Lab Blank:

- ***Selenium @ 2.6 µg/L (J). Selenium in MW-1C needs a B-flag.***

JD BD It is clear from the laboratory report that samples have or have not been diluted during analysis, and if the samples have been diluted, the result is reported as a multiple of the dilution (e.g., a sample diluted 10x resulting in an analytical detection of 1.0 should be reported as 10). Those that have been diluted are listed below with the dilution factor.

JD BD The report provides the reporting limit for each constituent.

JD BD The results were reported at or below their proper reporting limits (e.g., NC Solid Waste Section approved QLs). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilutions.

JD BD No inorganic and organic constituents were reported above their respective NC 2L Drinking Water Standards in wells, surface points, or field/equipment/trip blanks.

- ***Mercury detected above 2L at 1.7 µg/L in MW-7A (2L=1.05 µg/L)***
- ***Benzene detected above 2L at 1.5 µg/L in MW-5 and 1.7 µg/L in MW-7A (2L=1 µg/L)***
- ***1,2-dichlorobenzene detected above 2L at 30 µg/L in MW-5 (2L=24 µg/L)***
- ***1,4-dichlorobenzene detected above 2L at 3.6 µg/L in MW-5 (2L=1.4 µg/L)***
- ***Chloromethane detected above 2L at 5.3 µg/L in MW-5 and 3.9 µg/L in MW-7A (2L=2.6 µg/L)***

- ***Vinyl chloride detected above 2L at 1.2 µg/L in MW-8 (2L =0.015 µg/L)***

JD BD No inorganic and organic constituents were detected in a well or surface water point at concentrations outside of their historical range (more than 5X previous concentrations or first-time detections).

***Note due to the new solid waste format, including new, lower action limits, the following were detected for the first time:**

- **Barium:** ***SW-3, SW-4***
- **Acetone:** ***MW-8***
- **Chlorobenzene:** ***MW-6A***
- **Chloroethane:** ***MW-6A***
- **1,2-dichlorobenzene:** ***MW-6A***
- **Cis-1,2-dichloroethene:** ***MW-4, MW-5***
- **Chloromethane:** ***MW-4, MW-6A, MW-7A, MW-8***
- **Methylene Chloride:** ***MW-5***
- **Tetrachloroethene (PCE):** ***MW-5***
- **Toluene:** ***MW-4***
- **Trichlorofluoromethane:** ***MW-8***

JD BD Other report issues/Communications with laboratory/etc.:

Notes: Lab sample #C605138-09 was mistakenly referred to in the lab report as MW-4 and should be listed as SW-4. This error was made on the chain-of-custody and marked through. Also, mercury for sample MW-7A was re-run after the initial detection of 1.7 µg/L was provided by the laboratory. Upon re-running the sample on February 14, 2007, the detection was confirmed.