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REPUBLIC SERVICES OF NC, LLC GDS

Received
2006
Solid Waste Section

September 22, 2006

Mr. Edward F. Mussler, III, P.E.
NC Department of Environment & Natural Resources
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: JMN/Cleveland Container Landfill
Groundwater Statistical Report

Dear Mr. Mussler:

I have enclosed the "Groundwater / Surface Water Monitoring Report" for the July 2006 event on the subject facility.

A copy of this report has been placed in the facility operating record.

Should you have any questions, please call.

Sincerely,

Ray Hoffman, P.E.

cc: Clint Courson, w/o encl.

PO Box 2943 • Hickory, NC 28603 • 828-464-2414 • 866-473-7778 Toll Free • 828-464-2433 Fax
www.republicservicesofnc.com

GENERAL ENGINEERING & ENVIRONMENTAL, LLC

A Member of
GEL THE GEL GROUP, INC.

Groundwater/Surface Water Monitoring Report
Second Semi-Annual Sampling Event of 2006
JMN/Cleveland Container Landfill
Cleveland County, North Carolina

Meeting Today's Needs with a Vision for Tomorrow

Groundwater/Surface Water Monitoring Report
Second Semi-Annual Sampling Event of 2006
JMN/Cleveland Container Landfill
Cleveland County, North Carolina

September 12, 2006

Submitted to:

Republic Services of NC, LLC
1220 Commerce Street, SW Suite A
Conover, North Carolina 28613

Submitted by:

General Engineering and Environmental of NC, Inc.
An Affiliate of **The GEL Group, Inc.**
Post Office Box 14262
Research Triangle Park, North Carolina 27709

Groundwater/Surface Water Monitoring Report
Second Semi-Annual Sampling Event of 2006
JMN/Cleveland Container Landfill
Cleveland County, North Carolina

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GENERAL ENGINEERING & ENVIRONMENTAL OF NC, INC.
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Groundwater/Surface Water Monitoring Report
Second Semi-Annual Sampling Event of 2006
JMN/Cleveland Container Landfill
Cleveland County, North Carolina

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GENERAL ENGINEERING & ENVIRONMENTAL OF NC, INC.
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Certification

This document, entitled "Groundwater/Surface Water Monitoring Report," has been prepared for the JMN/Cleveland Container Landfill in Cleveland County, North Carolina, under the supervision of Andrew D. Eyer, L.G. It has been prepared at the request of and for the exclusive use of Republic Services of NC, LLC, and the North Carolina Department of Environment and Natural Resources in accordance with accepted quality control practices.

GENERAL ENGINEERING AND
ENVIRONMENTAL OF NC, INC.
An Affiliate of The GEL Group, Inc.

NORTH CAROLINA LICENSED SEAL 1682 GEOLOGIST ANDREW D. EYER

Andrew D. Eyer, L.G.
Senior Project Manager
N.C. Licensed Geologist No. 1682

12 SEPTEMBER 2006
Date

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Groundwater/Surface Water Monitoring Report
Second Semi-Annual Sampling Event of 2006
JMN/Cleveland Container Landfill
Cleveland County, North Carolina

Executive Summary

Republic Services of NC, LLC (Republic) owns the JMN/Cleveland Container Landfill (JMN Landfill) in Cleveland County, North Carolina. The purpose of this report is to document the performance and summarize the results of the groundwater monitoring program at the JMN Landfill since January 2006.

The detection monitoring system is comprised of seven groundwater monitoring wells and two surface water monitoring locations. Appropriate statistical evaluations were performed to compare downgradient groundwater quality to upgradient groundwater quality.

During the July 2006 monitoring event chlorobenzene was detected in groundwater monitoring well MW-5 at a concentration below its established NCDENR promulgated Title 15A Subchapter 2L (2L) groundwater standard and 1,2-dichlorobenzene was detected slightly above its established 2L groundwater standard. Benzene was detected in wells MW-5 and MW-7A at concentrations that slightly exceed the 2L groundwater standard. A statistically significant difference between the detected chlorobenzene and 1,2-dichlorobenzene concentrations and background, upgradient groundwater concentrations was calculated. The concentration of benzene was not calculated to be statistically different from background, upgradient groundwater concentrations. No other volatile organic compounds (VOCs) were detected above reporting limits for any well during the July 2006 monitoring event. Chromium was detected above the reporting limit at well MW-1B, but at a concentration below the 2L groundwater standard. No other monitored parameters were calculated to be statistically different from background, upgradient groundwater quality. Additionally, no monitored surface water parameters were detected above reporting limits.

Each of the detection monitoring wells comprising the system are screened in the aquifer of concern. Therefore, the groundwater monitoring system is capable of adequately assessing groundwater conditions by enabling the determination of groundwater flow rate and direction and the determination of potential impact to groundwater quality.

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Groundwater/Surface Water Monitoring Report
Second Semi-Annual Sampling Event of 2006
JMN/Cleveland Container Landfill
Cleveland County, North Carolina

1.0 Introduction

Republic Services of NC, LLC (Republic) owns the JMN/Cleveland Container Landfill (JMN Landfill) in Cleveland County, North Carolina. The JMN Landfill is located on Roseborough Road in Grover, North Carolina.

The purpose of this report is to document the performance and summarize the results of the groundwater monitoring program at the JMN Landfill since January 2006. Specifically, this report documents the results of the July 2006 monitoring event. This report complies with North Carolina Department of Environment and Natural Resources (NCDENR) Rules of Title 15A Subchapter 13B.

This report contains: 1) groundwater and surface water analytical data from July 2006, 2) a summary of groundwater and surface water quality, 3) results of the statistical evaluation of groundwater quality data, 4) a determination of groundwater flow rate and direction, and 5) an evaluation of the effectiveness of the groundwater monitoring system.

2.0 Groundwater/Surface Water Monitoring Program

The purpose of the monitoring well network is to provide a sufficient number of wells, installed at appropriate locations and depths, to yield samples that are representative of groundwater quality at the JMN Landfill. The surface water monitoring system ensures detection of potential impacts to adjacent surface water bodies from landfill operation.

2.1 Groundwater Monitoring Well Network

Currently, seven groundwater monitoring wells designated as MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A, and MW-8, comprise the groundwater monitoring network. Monitoring wells MW-1B and MW-1C serve as the upgradient monitoring wells, and wells MW-4, MW-5, MW-6A, MW-7A, and MW-8 serve as downgradient monitoring wells.

2.2 Surface Water Monitoring Network

The surface water monitoring network is comprised of two surface water sampling locations. Monitoring point SW-3 serves as the upgradient monitoring location and SW-4 serves as the downgradient monitoring location.

2.3 Groundwater/Surface Water Sampling and Analysis

General Engineering & Environmental, LLC (General Engineering) personnel conducted the second semi-annual 2006 monitoring event on July 25, 2006, under the supervision of General Engineering and Environmental of NC, Inc. Samples were collected from the seven groundwater monitoring wells and one surface water monitoring location. Monitoring point SW-3 was dry. The groundwater and surface water samples were analyzed by General Engineering Laboratories, LLC (North Carolina Laboratory Certification No. 233) for 40 CFR 258, Appendix I total metals and volatile organic compounds (VOCs).

3.0 Summary of Laboratory Analytical Results

During the July 2006 monitoring event, chlorobenzene and 1,2-dichlorobenzene were detected in groundwater monitoring well MW-5. Chlorobenzene was detected in the well at a concentration of 11.3 micrograms per liter (ug/l) and 1,2-dichlorobenzene was detected at a concentration of 25.2 ug/l. The NCDENR promulgated Title 15A Subchapter 2L (2L) groundwater standards for chlorobenzene and 1,2-dichlorobenzene are 50 ug/l and 24 ug/l, respectively. Benzene was also detected in wells MW-5 and MW-7A at a concentrations of 1.08 ug/l and 1.03 ug/l, respectively, which slightly exceed the 2L groundwater standard of 1.0 ug/l. No other VOCs were detected above their respective reporting limits in any well. Chromium was detected at a concentration of 23.2 ug/l at well MW-1B, which is below the 2L groundwater standard of 50 ug/l. In the surface water samples, no VOCs or metals were detected above reporting limits.

Appendix I provides a tabulated summary of historical groundwater quality and Appendix II provides a tabulated summary of historical surface water quality. Laboratory analytical results, field data information, and Chain of Custody documentation for all samples are provided in Appendix III.

4.0 Groundwater Quality Statistical Procedures and Methodologies

Statistical analysis of groundwater quality data is performed to compare the groundwater quality from downgradient compliance monitoring wells to upgradient background monitoring wells and determine if landfill operations are having a detrimental impact on groundwater quality beneath the site. The statistical procedures and methodologies employed in the analysis of the data for the July 2006 monitoring event meet or exceed the performance criteria specified in the North Carolina solid waste management rules, Title 15A NCAC 13B .1632(g-i), and are consistent with technical standards described in the United States Environmental Protection Agency (EPA)

"*Statistical Analysis of Ground Water Monitoring Data at RCRA Facilities – Interim Final Guidance*" (July 1992). Statistical analysis methods are based on the number of detected concentrations and the distribution of the data for a specific compound. The following criteria were selected to determine the most appropriate method for statistical analysis of data.

1. If greater than 90%, but less than 100%, of the data were not detected (ND), Poisson Tolerance Limits were performed. No statistical analyses were performed on parameters with 100% ND or with less than four data sets. Additionally, Wilcoxon rank-sum tests were performed for those compounds that failed the initial Poisson Tolerance Limits test; and
2. If 15% to 90% of the data were "ND," the one-way non-parametric analysis of variance (ANOVA) Kruskal-Wallis rank-sum test was performed; and
3. If less than 15% of the data were "ND," and if the data was normally distributed and homogeneous, then one-way parametric ANOVA was performed. If the data were not normally distributed and homogeneous, then a non-parametric type test was used (Kruskal-Wallis).

5.0 Statistical Evaluation of Groundwater Quality

Statistical analyses are performed to determine, by calculation, if a statistically significant difference (SSD) exists between downgradient groundwater quality and upgradient groundwater quality. Statistical results for the July 2006 groundwater monitoring event summarized on Table 1 and included in Appendix IV indicate that:

1. The results of the Poisson Tolerance Limit and Wilcoxon tests performed for chlorobenzene and 1,2-dichlorobenzene indicate a SSD between downgradient groundwater quality and upgradient groundwater for chlorobenzene and 1,2-dichlorobenzene for well MW-5. The Poisson Tolerance Limit, alone, was required for the evaluation of benzene and chromium concentrations. No SSD was calculated for benzene or chromium.

6.0 Groundwater Flow Rate and Direction

Groundwater levels were measured at all monitoring wells on July 25, 2006. Current and historical groundwater elevations are summarized on Table 2. To characterize the flow of groundwater beneath the site, the July 25, 2006, measurements were used to calculate groundwater elevations at each well. A potentiometric surface map of the uppermost aquifer was prepared using the calculated groundwater elevations, as shown on Figure 1. As depicted, groundwater flows generally to the south, which is consistent with historical findings.

Horizontal hydraulic conductivities and effective porosity measurements were previously estimated for the water table aquifer by Bunnell-Lammons Engineering, Inc. Horizontal (*i.e.*, lateral) hydraulic gradients for the July 2006 event were determined based on the differences in the horizontal distance of flow lines transecting the site and perpendicular to water level contours, and the water level elevations depicted by the contours. A hydraulic gradient of 0.0595 feet per foot (ft/ft) was calculated using the distance between the 730-foot and 620-foot water level contours along a north/south trending line. A summary of the groundwater flow velocities is shown on Table 3.

7.0 Conclusions

The current groundwater monitoring well network at the JMN Landfill is comprised of seven monitoring wells. Based on groundwater elevations measured during the July 2006 monitoring event, groundwater flow characteristics beneath the landfill were generally comparable to past determinations. Each of the detection monitoring wells comprising the system are screened in the aquifer of concern. Therefore, the groundwater monitoring system is capable of adequately assessing groundwater conditions by enabling the determination of groundwater flow rate and direction, and the determination of impacts to groundwater quality.

During the July 2006 monitoring event chlorobenzene was detected in groundwater monitoring well MW-5 at a concentration below its established 2L groundwater standard and 1,2-dichlorobenzene was detected slightly above its established 2L groundwater standard. Benzene was detected in well MW-5 and MW-7A at concentrations that slightly exceed the 2L groundwater standard. Chromium was detected in MW-1B at a concentration below its established 2L groundwater standard. A statistically significant difference between the detected 1,2-dichlorobenzene and chlorobenzene concentrations and background, upgradient groundwater concentrations was calculated. The concentrations of benzene and chromium were not calculated to be statistically different from background, upgradient groundwater concentrations. No other VOCs or metals were detected above reporting limits for any well during the July 2006 monitoring event. Additionally, no monitored surface water parameters were detected above reporting limits. It is recommended that semi-annual groundwater/surface water sampling and analysis continue for the Appendix I metals and VOCs.

FIGURE

Map in File room 10/3/06

TABLES

TABLE 1

SUMMARY OF STATISTICAL PROCEDURES AND RESULTS

JMN Regional MSW Landfill
Cleveland County, North Carolina

Parameter	Percent ND	Poisson Tolerance Test	Poisson Pass/Fail	Secondary Statistical Test	Secondary Pass/Fail	Offending Compliance Wells
Chromium	96.6%	Poisson Tolerance Limits	Pass	-	-	
Benzene	93.2%	Poisson Tolerance Limits	Pass	-	-	-
Chlorobenzene	90.9%	Poisson Tolerance Limits	Fail	Wilcoxon Rank Sum	Fail	MW-5
1,2-Dichlorobenzene	92.0%	Poisson Tolerance Limits	Fail	Wilcoxon Rank Sum	Fail	MW-5

Table 2

Groundwater/Surface Water Monitoring Report
JMN/Cleveland Container Landfill

Summary of Historical Groundwater Elevations

Well ID	Date Measured	Top of Casing (msl)	Ground Surface (msl)	Depth to Groundwater (bls)	Groundwater Elevation (msl)	Screen Depth (bls)	Screen Elevation (msl)
MW-1B	07/17/01	780.35	783.13	53.48	729.65	44.0 - 59.0	736.35 - 721.35
	09/25/01			55.02	728.11		
	11/27/01			54.28	728.85		
	01/23/02			54.65	728.48		
	07/16/02			55.36	727.77		
	01/29/03			56.06	727.07		
	07/28/03			48.35	734.78		
	01/13/04			44.05	739.08		
	07/06/04			46.17	736.96		
	01/26/05			47.19	735.94		
	07/19/05			46.86	736.27		
	01/20/06			47.53	735.60		
	07/25/06			49.50	733.63		
MW-1C	07/17/01	777.98	780.61	51.14	729.47	65.7 - 75.7	712.28 - 702.28
	09/25/01			42.56	738.05		
	11/27/01			51.95	728.66		
	01/23/02			52.29	728.32		
	07/16/02			52.97	727.64		
	01/29/03			53.53	727.08		
	07/28/03			45.65	734.96		
	01/13/04			42.07	738.54		
	07/06/04			43.95	736.66		
	01/26/05			44.91	735.70		
	07/19/05			44.74	735.87		
	01/20/06			45.49	735.12		
	07/25/06			47.22	733.39		
MW-4	07/17/01	630.67	633.34	7.64	625.70	4.5 - 14.5	626.17 - 616.17
	09/25/01			NM			
	11/27/01			NM			
	01/23/02			8.06	625.28		
	07/16/02			8.79	624.55		
	01/29/03			6.87	626.47		
	07/28/03			6.50	626.84		
	01/13/04			6.02	627.32		
	07/06/04			5.93	627.41		
	01/26/05			5.88	627.46		
	07/19/05			5.82	627.52		
	01/20/06			5.75	627.61		
	07/25/06			6.61	626.73		
MW-5	07/17/01	623.01	625.64	14.28	611.36	6.0 - 21.0	617.01 - 602.01
	09/25/01			NM			
	11/27/01			NM			
	01/23/02			15.55	610.09		
	07/16/02			15.91	609.73		
	01/29/03			13.55	612.09		
	07/28/03			11.75	613.89		
	01/13/04			15.17	610.47		
	07/06/04			14.65	610.99		
	01/26/05			15.09	610.55		
	07/19/05			15.33	610.31		
	01/20/06			15.02	610.62		
	07/25/06			16.82	608.82		
MW-6A	07/17/01	634.58	637.16	28.49	608.67	22.0 - 37.0	612.58 - 597.58
	09/25/01			31.25	605.91		
	11/27/01			31.13	606.03		
	01/23/02			31.37	605.79		
	07/16/02			30.98	606.18		
	01/29/03			NM			
	07/28/03			27.55	609.61		
	01/13/04			28.53	608.63		
	07/06/04			27.61	609.55		
	01/26/05			29.53	607.63		
	07/19/05			30.22	606.94		
	01/20/06			28.40	608.76		
	07/25/06			31.30	605.86		
MW-7A	07/17/01	656.06	658.76	31.85	626.91	22.6 - 37.6	633.46 - 618.46
	09/25/01			32.38	626.38		
	11/27/01			32.97	625.79		
	01/23/02			33.45	625.31		
	07/16/02			33.55	625.21		
	01/29/03			33.15	625.61		
	07/28/03			30.70	628.06		
	01/13/04			31.22	627.54		
	07/06/04			32.63	626.13		
	01/26/05			33.69	625.07		
	07/19/05			33.46	625.30		
	01/20/06			34.29	624.47		
	07/25/06			35.56	623.20		
MW-8	07/17/01	739.04	739.84	48.98	690.96	35.0 - 50.0	701.84 - 686.84
	09/25/01				NM		
	11/27/01				NM		
	01/23/02			50.40	689.44		
	07/16/02			51.37	688.47		
	01/29/03			51.85	687.99		
	07/28/03			NM			
	01/13/04			NM			
	08/31/04			43.31	696.53		
	01/26/05			43.91	695.93		
	07/19/05			42.85	696.99		
	01/20/06			45.68	694.16		
	07/25/06			46.21	693.63		

Notes:
msl = feet mean sea level
bls = feet below land surface
TOC = top of casing

Table 3

Groundwater/Surface Water Monitoring Report
JMN/Cleveland Container Landfill

Summary of Groundwater Flow Velocity
(July 25, 2006)

Hydraulic Conductivity (K) (feet per day)	Hydraulic Gradient (i) (ft/ft)	Effective Porosity (n) (unitless)	Ground-Water Velocity (V) (feet per day)
0.90	0.059	0.17	**0.317**

Note:
1. Hydraulic conductivity and effective porosity values are from BLE's BLE's Site Hydrogeologic Report, dated October 2, 2000 (revised July 5, 2001)

APPENDIX I

Tabulated Historical Groundwater Quality

SAMPLING EVENT #1 (7-17-01)
Cleveland Container Industrial Landfill - Shelby, North Carolina

TEST	UNITS	DETECTION LIMIT	STATE MCL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK	TRIP BLANK
pH (on-site)	pH units	-	-	6.24	6.45	6.32	5.4	6.08	5.38	5.49	NT	NS
Specific Conductance (on-site)	µmhos/cm	1	-	81	180	244	290	252	123	46	NT	NS
Temperature (on-site)	°C	-	-	21.8	19.9	20.3	20.7	18.8	19.6	20.1	NT	NS
Turbidity (on-site)	NTU	0.1	-	542	180	126	140	6.64	115	38	NT	NS
Total Antimony (Sb)	µg/l	30	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Arsenic (As)	µg/l	10	50	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Barium (Ba)	µg/l	500	2000	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Beryllium (Be)	µg/l	2	NA	2	ND	ND	ND	ND	ND	ND	ND	NS
Total Cadmium (Cd)	µg/l	1	5	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Chromium (Cr)	µg/l	10	50	20	ND	ND	ND	ND	ND	ND	ND	NS
Total Cobalt (Co)	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Copper (Cu)	µg/l	200	1000	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Silver (Ag)	µg/l	10	18	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Thallium (Tl)	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Vanadium (V)	µg/l	40	NA	50	ND	ND	ND	ND	ND	ND	ND	NS
Total Zinc (Zn)	µg/l	50	2100	60	ND	60	50	70	ND	ND	ND	NS
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	ND	ND	NS
Acrylonitrile	µg/l	200	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzene	µg/l	5	1	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromochloromethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromodichloromethane (THM)	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromoform (THM)	µg/l	5	0.19	ND	ND	ND	ND	ND	ND	ND	ND	NS
Carbon disulfide	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Carbon tetrachloride	µg/l	10	0.3	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	6	ND	7	ND	ND	NS
Chloroethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroform (THM)	µg/l	5	0.19	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloromethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dibromochloromethane (THM)	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	25	0.025	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dibromoethane (EDB)	µg/l	5	0.0004	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dibromomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,4-Dichloro-2-butene	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethane	µg/l	5	700	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloroethane	µg/l	5	0.38	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	15	5	ND	NS
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloropropane	µg/l	5	0.56	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,3-Dichloropropene	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,3-Dichloropropene	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Ethylbenzene	µg/l	5	29	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Hexanone	µg/l	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Iodomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Methylene chloride	µg/l	10	5	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Methyl-2-pentanone	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1,2-Tetrachloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2,2-Tetrachloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Tetrachloroethene	µg/l	5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	NS
Toluene	µg/l	5	1000	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2-Trichloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichloroethene	µg/l	5	2.8	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichlorofluoromethane (CFC-11)	µg/l	5	2100	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2,3-Trichloropropane (TCP)	µg/l	15	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl acetate	µg/l	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl chloride	µg/l	10	0.015	ND	ND	ND	ND	ND	ND	ND	ND	NS
Xylenes	µg/l	10	530	ND	ND	ND	ND	ND	ND	ND	ND	NS

Note:
ND = Not Detected at the method detection limit
MCL = Maximum Contaminant Level; NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established

SAMPLING EVENT #2 (9-25-01)
Cleveland Container Industrial Landfill - Shelby, North Carolina

TEST	UNITS	DETECTION LIMIT	STATE MCL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK	TRIP BLANK
pH (on-site)	pH units	-	-	6.35	6.38	NS	NS	6.28	5.19	NS	NS	NS
Specific Conductance (on-site)	µmhos/cm	1	-	67	145	NS	NS	346	107	NS	NS	NS
Temperature (on-site)	°C	-	-	19.8	19.4	NS	NS	19.7	17.6	NS	NS	NS
Turbidity (on-site)	NTU	0.1	-	145	11	NS	NS	6.85	20	NS	NS	NS
Total Antimony (Sb)	µg/l	30	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Arsenic (As)	µg/l	10	50	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Barium (Ba)	µg/l	500	2000	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Beryllium (Be)	µg/l	2	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Cadmium (Cd)	µg/l	1	5	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Chromium (Cr)	µg/l	10	50	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Cobalt (Co)	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Copper (Cu)	µg/l	200	1000	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Lead (Pb)	µg/l	10	15	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Nickel (Ni)	µg/l	50	100	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Selenium (Se)	µg/l	20	50	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Silver (Ag)	µg/l	10	18	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Thallium (Tl)	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Vanadium (V)	µg/l	40	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Zinc (Zn)	µg/l	50	2100	ND	ND	NS	NS	ND	ND	NS	NS	NS
Acetone	µg/l	100	700	ND	ND	NS	NS	ND	ND	NS	NS	NS
Acrylonitrile	µg/l	200	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Benzene	µg/l	5	1	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromochloromethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromodichloromethane (THM)	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromoform (THM)	µg/l	5	0.19	ND	ND	NS	NS	ND	ND	NS	NS	NS
Carbon disulfide	µg/l	100	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromomethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Carbon tetrachloride	µg/l	10	0.3	ND	ND	NS	NS	ND	ND	NS	NS	NS
Chlorobenzene (mono)	µg/l	5	50	ND	ND	NS	NS	ND	8	NS	NS	NS
Chloroethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Chloroform (THM)	µg/l	5	0.19	ND	ND	NS	NS	ND	ND	NS	NS	NS
Chloromethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Dibromochloromethane (THM)	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	25	0.025	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dibromoethane (EDB)	µg/l	5	0.0004	ND	ND	NS	NS	ND	ND	NS	NS	NS
Dibromomethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	NS	NS	ND	ND	NS	NS	NS
trans-1,4-Dichloro-2-butene	µg/l	100	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1-Dichloroethane	µg/l	5	700	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dichloroethane	µg/l	5	0.38	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1-Dichloroethene	µg/l	5	7	ND	ND	NS	NS	ND	ND	NS	NS	NS
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	NS	NS	ND	16	NS	NS	NS
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dichloropropane	µg/l	5	0.56	ND	ND	NS	NS	ND	ND	NS	NS	NS
cis-1,3-Dichloropropene	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
trans-1,3-Dichloropropene	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Ethylbenzene	µg/l	5	29	ND	ND	NS	NS	ND	ND	NS	NS	NS
2-Hexanone	µg/l	50	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Iodomethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Methylene chloride	µg/l	10	5	ND	ND	NS	NS	ND	ND	NS	NS	NS
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	NS	NS	ND	ND	NS	NS	NS
4-Methyl-2-pentanone	µg/l	100	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Styrene	µg/l	10	100	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,1,2-Tetrachloroethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,2,2-Tetrachloroethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Tetrachloroethene	µg/l	5	0.7	ND	ND	NS	NS	ND	ND	NS	NS	NS
Toluene	µg/l	5	1000	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,2-Trichloroethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Trichloroethene	µg/l	5	2.8	ND	ND	NS	NS	ND	ND	NS	NS	NS
Trichlorofluoromethane (CFC-11)	µg/l	5	2100	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2,3-Trichloropropane (TCP)	µg/l	15	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Vinyl acetate	µg/l	50	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Vinyl chloride	µg/l	10	0.015	ND	ND	NS	NS	ND	ND	NS	NS	NS
Xylenes	µg/l	10	530	ND	ND	NS	NS	ND	ND	NS	NS	NS

Note:
ND = Not Detected at the method detection limit
MCL = Maximum Contaminant Level; NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established

SAMPLING EVENT #3 (11-27-01)
Cleveland Container Industrial Landfill - Shelby, North Carolina

TEST	UNITS	DETECTION LIMIT	STATE MCL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK	TRIP BLANK
pH (on-site)	pH units	-	-	6.67	6.65	NS	NS	6.35	5.58	NS	NS	NS
Specific Conductance (on-site)	µmhos/cm	1	-	62	142	NS	NS	399	114	NS	NS	NS
Temperature (on-site)	°C	-	-	17.1	17	NS	NS	15.7	15.5	NS	NS	NS
Turbidity (on-site)	NTU	0.1	-	147	16	NS	NS	12	6.04	NS	NS	NS
Total Antimony (Sb)	µg/l	30	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Arsenic (As)	µg/l	10	50	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Barium (Ba)	µg/l	500	2000	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Beryllium (Be)	µg/l	2	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Cadmium (Cd)	µg/l	1	5	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Chromium (Cr)	µg/l	10	50	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Cobalt (Co)	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Copper (Cu)	µg/l	200	1000	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Lead (Pb)	µg/l	10	15	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Nickel (Ni)	µg/l	50	100	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Selenium (Se)	µg/l	20	50	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Silver (Ag)	µg/l	10	18	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Thallium (Tl)	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Vanadium (V)	µg/l	40	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Total Zinc (Zn)	µg/l	50	2100	ND	ND	NS	NS	ND	ND	NS	NS	NS
Acetone	µg/l	100	700	ND	ND	NS	NS	ND	ND	NS	NS	NS
Acrylonitrile	µg/l	200	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Benzene	µg/l	5	1	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromochloromethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromodichloromethane (THM)	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromoform (THM)	µg/l	5	0.19	ND	ND	NS	NS	ND	ND	NS	NS	NS
Carbon disulfide	µg/l	100	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Bromomethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Carbon tetrachloride	µg/l	10	0.3	ND	ND	NS	NS	ND	ND	NS	NS	NS
Chlorobenzene (mono)	µg/l	5	50	ND	ND	NS	NS	ND	8	NS	NS	NS
Chloroethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Chloroform (THM)	µg/l	5	0.19	ND	ND	NS	NS	ND	ND	NS	NS	NS
Chloromethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Dibromochloromethane (THM)	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	25	0.025	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dibromoethane (EDB)	µg/l	5	0.0004	ND	ND	NS	NS	ND	ND	NS	NS	NS
Dibromomethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	NS	NS	ND	ND	NS	NS	NS
trans-1,4-Dichloro-2-butene	µg/l	100	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1-Dichloroethane	µg/l	5	700	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dichloroethane	µg/l	5	0.38	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1-Dichloroethene	µg/l	5	7	ND	ND	NS	NS	ND	ND	NS	NS	NS
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	NS	NS	ND	13	NS	NS	NS
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2-Dichloropropane	µg/l	5	0.56	ND	ND	NS	NS	ND	ND	NS	NS	NS
cis-1,3-Dichloropropene	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
trans-1,3-Dichloropropene	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Ethylbenzene	µg/l	5	29	ND	ND	NS	NS	ND	ND	NS	NS	NS
2-Hexanone	µg/l	50	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Iodomethane	µg/l	10	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Methylene chloride	µg/l	10	5	ND	ND	NS	NS	ND	ND	NS	NS	NS
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	NS	NS	ND	ND	NS	NS	NS
4-Methyl-2-pentanone	µg/l	100	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Styrene	µg/l	10	100	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,1,2-Tetrachloroethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,2,2-Tetrachloroethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Tetrachloroethene	µg/l	5	0.7	ND	ND	NS	NS	ND	ND	NS	NS	NS
Toluene	µg/l	5	1000	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,1,2-Trichloroethane	µg/l	5	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Trichloroethene	µg/l	5	2.8	ND	ND	NS	NS	ND	ND	NS	NS	NS
Trichlorofluoromethane (CFC-11)	µg/l	5	2100	ND	ND	NS	NS	ND	ND	NS	NS	NS
1,2,3-Trichloropropane (TCP)	µg/l	15	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Vinyl acetate	µg/l	50	NA	ND	ND	NS	NS	ND	ND	NS	NS	NS
Vinyl chloride	µg/l	10	0.015	ND	ND	NS	NS	ND	ND	NS	NS	NS
Xylenes	µg/l	10	530	ND	ND	NS	NS	ND	ND	NS	NS	NS

Note:
ND = Not Detected at the method detection limit
MCL = Maximum Contaminant Level; NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established

SAMPLING EVENT #4 (1-23-02)
Cleveland Container Industrial Landfill - Shelby, North Carolina

TEST	UNITS	DETECTION LIMIT	STATE MCL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK	TRIP BLANK
pH (on-site)	pH units	-	-	6.24	6.29	6.36	5.82	6.32	5.32	5.63	NT	NS
Specific Conductance (on-site)	µmhos/cm	1	-	51	101	114	166	220	95	37	NT	NS
Temperature (on-site)	°C	-	-	15.9	15.9	15.7	16.6	15.8	14.9	17.5	NT	NS
Turbidity (on-site)	NTU	0.1	-	156	10	152	12	4.28	11	39	NT	NS
Total Antimony (Sb)	µg/l	30	NA	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Arsenic (As)	µg/l	10	50	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Barium (Ba)	µg/l	500	2000	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Beryllium (Be)	µg/l	2	NA	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Cadmium (Cd)	µg/l	1	5	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Chromium (Cr)	µg/l	10	50	10	ND	ND	ND	ND	ND	ND	NT	NS
Total Cobalt (Co)	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Copper (Cu)	µg/l	200	1000	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Silver (Ag)	µg/l	10	18	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Thallium (Tl)	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Vanadium (V)	µg/l	40	NA	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Zinc (Zn)	µg/l	50	2100	ND	ND	ND	ND	ND	ND	ND	NT	NS
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	ND	ND	NS
Acrylonitrile	µg/l	200	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzene	µg/l	5	1	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromochloromethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromodichloromethane (THM)	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromoform (THM)	µg/l	5	0.19	ND	ND	ND	ND	ND	ND	ND	ND	NS
Carbon disulfide	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Carbon tetrachloride	µg/l	10	0.3	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	7	ND	8	ND	ND	NS
Chloroethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroform (THM)	µg/l	5	0.19	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloromethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dibromochloromethane (THM)	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	25	0.025	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dibromoethane (EDB)	µg/l	5	0.0004	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dibromomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	ND	12	ND	ND	ND	ND	NS
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,4-Dichloro-2-butene	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethane	µg/l	5	700	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloroethane	µg/l	5	0.38	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	13	7	ND	NS
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloropropane	µg/l	5	0.56	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,3-Dichloropropene	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,3-Dichloropropene	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Ethylbenzene	µg/l	5	29	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Hexanone	µg/l	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Iodomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Methylene chloride	µg/l	10	5	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Methyl-2-pentanone	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1,2-Tetrachloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2,2-Tetrachloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Tetrachloroethene	µg/l	5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	NS
Toluene	µg/l	5	1000	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2-Trichloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichloroethene	µg/l	5	2.8	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichlorofluoromethane (CFC-11)	µg/l	5	2100	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2,3-Trichloropropane (TCP)	µg/l	15	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl acetate	µg/l	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl chloride	µg/l	10	0.015	ND	ND	ND	ND	ND	ND	ND	ND	NS
Xylenes	µg/l	10	530	ND	ND	ND	ND	ND	ND	ND	ND	NS

Note:
ND = Not Detected at the method detection limit
MCL = Maximum Contaminant Level; NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established

SAMPLING EVENT #5 (7-16-02)
Cleveland Container Industrial Landfill - Shelby, North Carolina

TEST	UNITS	DETECTION LIMIT	STATE MCL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK	TRIP BLANK
pH (on-site)	pH units	-	-	5.9	5.83	5.66	4.95	5.77	4.95	4.95	NT	NS
Specific Conductance (on-site)	µmhos/cm	1	-	61	87	118	189	373	84	30	NT	NS
Temperature (on-site)	°C	-	-	21.1	20.2	19.3	18.4	21.3	18.4	22	NT	NS
Turbidity (on-site)	NTU	0.1	-	77	29	28	18	4.89	12	650	NT	NS
Total Antimony (Sb)	µg/l	30	NA	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Arsenic (As)	µg/l	10	50	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Barium (Ba)	µg/l	500	2000	ND	ND	ND	ND	ND	ND	700	NT	NS
Total Beryllium (Be)	µg/l	2	NA	ND	ND	ND	ND	ND	ND	10	NT	NS
Total Cadmium (Cd)	µg/l	1	5	ND	ND	ND	1	ND	ND	ND	NT	NS
Total Chromium (Cr)	µg/l	10	50	10	ND	ND	ND	ND	ND	160	NT	NS
Total Cobalt (Co)	µg/l	10	NA	ND	ND	ND	10	ND	ND	60	NT	NS
Total Copper (Cu)	µg/l	200	1000	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	60	NT	NS
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	110	NT	NS
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Silver (Ag)	µg/l	10	18	ND	ND	ND	ND	ND	ND	ND	NT	NS
Total Thallium (Tl)	µg/l	10	NA	ND	ND	ND	ND	ND	ND	4	NT	NS
Total Vanadium (V)	µg/l	40	NA	ND	ND	ND	ND	ND	ND	380	NT	NS
Total Zinc (Zn)	µg/l	50	2100	160	ND	ND	ND	ND	ND	380	NT	NS
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	ND	ND	NS
Acrylonitrile	µg/l	200	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzene	µg/l	5	1	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromochloromethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromodichloromethane (THM)	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromoform (THM)	µg/l	5	0.19	ND	ND	ND	ND	ND	ND	ND	ND	NS
Carbon disulfide	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Bromomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Carbon tetrachloride	µg/l	10	0.3	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	ND	ND	6	ND	ND	NS
Chloroethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloroform (THM)	µg/l	5	0.19	ND	ND	ND	ND	ND	ND	ND	ND	NS
Chloromethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dibromochloromethane (THM)	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	25	0.025	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dibromoethane (EDB)	µg/l	5	0.0004	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dibromomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	ND	12	ND	ND	ND	ND	NS
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,4-Dichloro-2-butene	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethane	µg/l	5	700	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloroethane	µg/l	5	0.38	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	12	5	ND	NS
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2-Dichloropropane	µg/l	5	0.56	ND	ND	ND	ND	ND	ND	ND	ND	NS
cis-1,3-Dichloropropene	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
trans-1,3-Dichloropropene	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Ethylbenzene	µg/l	5	29	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Hexanone	µg/l	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Iodomethane	µg/l	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Methylene chloride	µg/l	10	5	ND	ND	ND	ND	ND	ND	ND	ND	NS
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	ND	ND	ND	ND	ND	ND	NS
4-Methyl-2-pentanone	µg/l	100	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1,2-Tetrachloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2,2-Tetrachloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Tetrachloroethene	µg/l	5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	NS
Toluene	µg/l	5	1000	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,1,2-Trichloroethane	µg/l	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichloroethene	µg/l	5	2.8	ND	ND	ND	ND	ND	ND	ND	ND	NS
Trichlorofluoromethane (CFC-11)	µg/l	5	2100	ND	ND	ND	ND	ND	ND	ND	ND	NS
1,2,3-Trichloropropane (TCP)	µg/l	15	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl acetate	µg/l	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	NS
Vinyl chloride	µg/l	10	0.015	ND	ND	ND	ND	ND	ND	ND	ND	NS
Xylenes	µg/l	10	530	ND	ND	ND	ND	ND	ND	ND	ND	NS

Note:
ND = Not Detected at the method detection limit
MCL = Maximum Contaminant Level; NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #6 (1/29/03)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	6.2	6.3	6.4	5.5	NS	5.1	5.6	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	158	201	248	284	NS	139	62.4	NT
Temperature (on-site)	°C	-	NE	14.8	14.1	13.1	15.8	NS	13.6	15.5	NT
Turbidity (on-site)	NTU	0.1	NE	62.1	12.4	23.9	24.5	NS	5.93	65.3	NT
Total Antimony (Sb)	µg/l	2.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Total Arsenic (As)	µg/l	5.00	10	ND	ND	ND	ND	NS	ND	ND	ND
Total Barium (Ba)	µg/l	5.00	2,000	41.1	17.2	31.1	319	NS	168	70.3	ND
Total Beryllium (Be)	µg/l	0.200	NE	0.41	ND	ND	0.746	NS	0.768	0.724	ND
Total Cadmium (Cd)	µg/l	5.00	5	ND	ND	ND	0.446	NS	ND	ND	ND
Total Chromium (Cr)	µg/l	5.00	50	7.14	ND	ND	ND	NS	ND	ND	ND
Total Cobalt (Co)	µg/l	5.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Total Copper (Cu)	µg/l	5.00	1,000	7.25	ND	ND	ND	NS	ND	ND	ND
Total Lead (Pb)	µg/l	5.00	15	ND	ND	ND	ND	NS	ND	ND	ND
Total Nickel (Ni)	µg/l	5.00	100	ND	13.1	ND	ND	NS	ND	ND	ND
Total Selenium (Se)	µg/l	5.00	50	9.07	7.55	ND	ND	NS	ND	ND	ND
Total Silver (Ag)	µg/l	5.00	18	ND	ND	ND	ND	NS	ND	ND	ND
Total Thallium (Tl)	µg/l	0.500	NE	ND	ND	ND	ND	NS	0.046	NA	ND
Total Vanadium (V)	µg/l	5.00	NE	12.7	ND	ND	5.11	NS	1.5	9.81	ND
Total Zinc (Zn)	µg/l	5.00	2,100	10.6	ND	5.1	9.77	NS	ND	16.6	ND
Acetone	µg/l	5.00	700	ND	ND	ND	ND	NS	ND	ND	ND
Acrylonitrile	µg/l	5.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Benzene	µg/l	1.00	1	ND	ND	ND	1.03	NS	ND	ND	ND
Bromochloromethane	µg/l	1.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Bromoform (THM)	µg/l	1.00	0.19	ND	ND	ND	ND	NS	ND	ND	ND
Carbon disulfide	µg/l	5.00	700	ND	ND	ND	ND	NS	ND	ND	ND
Bromomethane	µg/l	1.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Carbon tetrachloride	µg/l	1.00	0.3	ND	ND	ND	ND	NS	ND	ND	ND
Chlorobenzene (mono)	µg/l	1.00	50	ND	ND	ND	2.2	NS	5.50	ND	ND
Chloroethane	µg/l	1.00	2,800	ND	ND	ND	ND	NS	ND	ND	ND
Chloroform (THM)	µg/l	1.00	0.19	ND	ND	ND	ND	NS	ND	ND	ND
Chloromethane	µg/l	1.00	2.6	ND	ND	ND	ND	NS	ND	ND	ND
Dibromochloromethane (THM)	µg/l	1.00	0.41	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	1.00	0.025	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1.00	0.0004	ND	ND	ND	ND	NS	ND	ND	ND
Dibromomethane	µg/l	1.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	1.00	620	ND	ND	ND	5.77	NS	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	1.00	75	ND	ND	ND	1.01	NS	2.46	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	5.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
1,1-Dichloroethane	µg/l	1.00	700	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dichloroethane	µg/l	1.00	0.38	ND	ND	ND	ND	NS	ND	ND	ND
1,1-Dichloroethene	µg/l	1.00	7	ND	ND	ND	ND	NS	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	1.00	70	ND	ND	ND	ND	NS	8.81	8.51	ND
trans-1,2-Dichloroethene	µg/l	1.00	70	ND	ND	ND	ND	NS	ND	ND	ND
1,2-Dichloropropane	µg/l	1.00	0.56	ND	ND	ND	ND	NS	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	1.00	0.19	ND	ND	ND	ND	NS	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	1.00	0.19	ND	ND	ND	ND	NS	ND	ND	ND
Ethylbenzene	µg/l	1.00	29	ND	ND	ND	ND	NS	ND	ND	ND
2-Hexanone	µg/l	5.00	280	ND	ND	ND	ND	NS	ND	ND	ND
Iodomethane	µg/l	5.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Methylene chloride	µg/l	5.00	5	ND	ND	ND	ND	NS	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	5.00	170	ND	ND	ND	ND	NS	ND	ND	ND
4-Methyl-2-pentanone	µg/l	5.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Styrene	µg/l	1.00	100	ND	ND	ND	ND	NS	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	1.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	1.00	0.17	ND	ND	ND	ND	NS	ND	ND	ND
Tetrachloroethene	µg/l	1.00	0.7	ND	ND	ND	ND	NS	ND	1.38	ND
Toluene	µg/l	1.00	1,000	ND	ND	ND	ND	NS	ND	ND	10.5
1,1,1-Trichloroethane	µg/l	1.00	200	ND	ND	ND	ND	NS	ND	ND	ND
1,1,2-Trichloroethane	µg/l	1.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Trichloroethene	µg/l	1.00	2.8	ND	ND	ND	ND	NS	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	1.00	2,100	ND	ND	ND	2.39	NS	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Vinyl acetate	µg/l	5.00	NE	ND	ND	ND	ND	NS	ND	ND	ND
Vinyl chloride	µg/l	1.00	0.015	ND	ND	ND	ND	NS	ND	2.03	ND
Xylenes	µg/l	1.00	530	ND	ND	ND	ND	ND	ND	ND	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
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NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #7 (7-28-03)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	6.1	6.5	6.4	5.5	6.2	5.4	NS	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	204	232	226	252	292	116	NS	NT
Temperature (on-site)	°C	-	NE	20.1	19.6	21.5	19.0	18.1	19.3	NS	NT
Turbidity (on-site)	NTU	0.1	NE	100	20	16	10	0	10	NS	NT
Total Antimony (Sb)	µg/l	2.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Arsenic (As)	µg/l	5.00	10	7.87	ND	ND	ND	ND	ND	NS	ND
Total Barium (Ba)	µg/l	5.00	2,000	492	35.0	77.0	219	52.3	155	NS	46.9
Total Beryllium (Be)	µg/l	0.200	NE	11.1	0.205	0.293	0.754	ND	0.642	NS	ND
Total Cadmium (Cd)	µg/l	5.00	5	ND	ND	ND	ND	ND	ND	NS	ND
Total Chromium (Cr)	µg/l	5.00	50	157	ND	ND	ND	ND	ND	NS	ND
Total Cobalt (Co)	µg/l	5.00	NE	57.7	ND	ND	ND	ND	ND	NS	ND
Total Copper (Cu)	µg/l	5.00	1,000	125	6.30	ND	ND	ND	ND	NS	ND
Total Lead (Pb)	µg/l	5.00	15	48.9	ND	ND	ND	ND	ND	NS	ND
Total Nickel (Ni)	µg/l	5.00	100	90.1	13.4	ND	ND	ND	ND	NS	ND
Total Selenium (Se)	µg/l	5.00	50	35.7	8.20	9.43	ND	ND	ND	NS	ND
Total Silver (Ag)	µg/l	5.00	18	ND	ND	ND	ND	ND	ND	NS	ND
Total Thallium (Tl)	µg/l	0.500	NE	2.15	ND	ND	ND	ND	ND	NS	ND
Total Vanadium (V)	µg/l	5.00	NE	265	ND	11.9	14.7	5.50	ND	NS	ND
Total Zinc (Zn)	µg/l	5.00	2,100	213	8.71	15.4	19.6	5.44	7.41	NS	6.41
Acetone	µg/l	5.00	700	ND	ND	ND	ND	ND	ND	NS	ND
Acrylonitrile	µg/l	5.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Benzene	µg/l	1.00	1	ND	ND	ND	ND	ND	ND	NS	ND
Bromochloromethane	µg/l	1.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Bromodichloromethane (THM)	µg/l	1.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Bromoform (THM)	µg/l	1.00	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Carbon disulfide	µg/l	5.00	700	ND	ND	ND	ND	ND	ND	NS	ND
Bromomethane	µg/l	1.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Carbon tetrachloride	µg/l	1.00	0.3	ND	ND	ND	ND	ND	ND	NS	ND
Chlorobenzene (mono)	µg/l	1.00	50	ND	ND	ND	ND	ND	3.65	NS	ND
Chloroethane	µg/l	1.00	2,800	ND	ND	ND	ND	ND	ND	NS	ND
Chloroform (THM)	µg/l	1.00	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Chloromethane	µg/l	1.00	2.6	ND	ND	ND	ND	ND	ND	NS	ND
Dibromochloromethane (THM)	µg/l	1.00	0.41	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	1.00	0.025	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dibromoethane (EDB)	µg/l	1.00	0.0004	ND	ND	ND	ND	ND	ND	NS	ND
Dibromomethane	µg/l	1.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichlorobenzene (o-)	µg/l	1.00	620	ND	ND	ND	3.11	ND	ND	NS	ND
1,4-Dichlorobenzene (p-)	µg/l	1.00	75	ND	ND	ND	ND	ND	1.57	NS	ND
trans-1,4-Dichloro-2-butene	µg/l	5.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,1-Dichloroethane	µg/l	1.00	700	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichloroethane	µg/l	1.00	0.38	ND	ND	ND	ND	ND	ND	NS	ND
1,1-Dichloroethene	µg/l	1.00	7	ND	ND	ND	ND	ND	ND	NS	ND
cis-1,2-Dichloroethene	µg/l	1.00	70	ND	ND	ND	ND	ND	4.73	NS	ND
trans-1,2-Dichloroethene	µg/l	1.00	70	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichloropropane	µg/l	1.00	0.56	ND	ND	ND	ND	ND	ND	NS	ND
cis-1,3-Dichloropropene	µg/l	1.00	0.19	ND	ND	ND	ND	ND	ND	NS	ND
trans-1,3-Dichloropropene	µg/l	1.00	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Ethylbenzene	µg/l	1.00	29	ND	ND	ND	ND	ND	ND	NS	ND
2-Hexanone	µg/l	5.00	280	ND	ND	ND	ND	ND	ND	NS	ND
Iodomethane	µg/l	5.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Methylene chloride	µg/l	5.00	5	ND	ND	ND	ND	ND	ND	NS	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	5.00	170	ND	ND	ND	ND	ND	ND	NS	ND
4-Methyl-2-pentanone	µg/l	5.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Styrene	µg/l	1.00	100	ND	ND	ND	ND	ND	ND	NS	ND
1,1,1,2-Tetrachloroethane	µg/l	1.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,1,2,2-Tetrachloroethane	µg/l	1.00	0.17	ND	ND	ND	ND	ND	ND	NS	ND
Tetrachloroethene	µg/l	1.00	0.7	ND	ND	ND	ND	ND	ND	NS	ND
Toluene	µg/l	1.00	1,000	ND	ND	ND	ND	ND	ND	NS	ND
1,1,1-Trichloroethane	µg/l	1.00	200	ND	ND	ND	ND	ND	ND	NS	ND
1,1,2-Trichloroethane	µg/l	1.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Trichloroethene	µg/l	1.00	2.8	ND	ND	ND	ND	ND	ND	NS	ND
Trichlorofluoromethane (CFC-11)	µg/l	1.00	2,100	ND	ND	ND	1.69	ND	ND	NS	ND
1,2,3-Trichloropropane (TCP)	µg/l	1.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Vinyl acetate	µg/l	5.00	NE	ND	ND	ND	ND	ND	ND	NS	ND
Vinyl chloride	µg/l	1.00	0.015	ND	ND	ND	ND	ND	ND	NS	ND
Xylenes	µg/l	1.00	530	ND	ND	ND	ND	ND	ND	NS	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #8 (1-14-04)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	6.32	6.32	6.29	5.37	6.24	5.01	NS	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	122.3	202.3	191	295.2	138	121	NS	NT
Temperature (on-site)	°C	-	NE	16.2	11.7	13.1	17.2	7.7	15.6	NS	NT
Turbidity (on-site)	NTU	0.1	NE	80	7.55	61.7	45.2	9.48	26.1	NS	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Arsenic (As)	µg/l	50	10	ND	ND	ND	ND	ND	ND	NS	ND
Total Barium (Ba)	µg/l	500	2,000	ND	ND	ND	ND	ND	ND	NS	ND
Total Beryllium (Be)	µg/l	2	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Cadmium (Cd)	µg/l	5	5	ND	ND	ND	ND	ND	ND	NS	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND	ND	ND	ND	NS	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Copper (Cu)	µg/l	200	1,000	ND	ND	ND	ND	ND	ND	NS	ND
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	NS	ND
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	NS	ND
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	NS	ND
Total Silver (Ag)	µg/l	10	18	ND	ND	ND	ND	ND	ND	NS	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Zinc (Zn)	µg/l	50	2,100	ND	ND	ND	ND	ND	ND	NS	ND
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	NS	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND	ND	ND	ND	NS	ND
Benzene	µg/l	1	1	ND	ND	ND	ND	ND	ND	NS	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	NS	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	NS	ND
Bromoform (THM)	µg/l	2	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Carbon disulfide	µg/l	700	700	ND	ND	ND	ND	ND	ND	NS	ND
Bromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Carbon tetrachloride	µg/l	2	0.3	ND	ND	ND	ND	ND	ND	NS	ND
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	5.26	ND	ND	NS	ND
Chloroethane	µg/l	10	2,800	ND	ND	ND	ND	ND	ND	NS	ND
Chloroform (THM)	µg/l	1	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Chloromethane	µg/l	2.6	2.6	ND	ND	ND	ND	ND	ND	NS	ND
Dibromochloromethane (THM)	µg/l	5	0.41	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	0.025	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dibromoethane (EDB)	µg/l	1	0.0004	ND	ND	ND	ND	ND	ND	NS	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	ND	12.5	ND	ND	NS	ND
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	ND	ND	ND	ND	NS	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,1-Dichloroethane	µg/l	5	700	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichloroethane	µg/l	1	0.38	ND	ND	ND	ND	ND	ND	NS	ND
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	NS	ND
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	NS	ND
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichloropropane	µg/l	1	0.56	ND	ND	ND	ND	ND	ND	NS	ND
cis-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	NS	ND
trans-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Ethylbenzene	µg/l	5	29	ND	ND	ND	ND	ND	ND	NS	ND
2-Hexanone	µg/l	50	280	ND	ND	ND	ND	ND	ND	NS	ND
Iodomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Methylene chloride	µg/l	10	5	ND	ND	ND	ND	ND	ND	NS	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	ND	ND	ND	ND	NS	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND	ND	ND	ND	NS	ND
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	NS	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,1,2,2-Tetrachloroethane	µg/l	5	0.17	ND	ND	ND	ND	ND	ND	NS	ND
Tetrachloroethene	µg/l	1	0.7	ND	ND	ND	ND	ND	ND	NS	ND
Toluene	µg/l	5	1,000	ND	ND	ND	ND	ND	ND	NS	ND
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	NS	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	NS	ND
Trichloroethene	µg/l	2	2.8	ND	ND	ND	ND	ND	ND	NS	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	2,100	ND	ND	ND	ND	ND	ND	NS	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	NS	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND	ND	ND	ND	NS	ND
Vinyl chloride	µg/l	1	0.015	ND	ND	ND	ND	ND	ND	NS	ND
Xylenes	µg/l	5	530	ND	ND	ND	ND	ND	ND	NS	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #9 (7-7-04)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	**5.85**	**6.17**	**5.99**	**5.23**	**5.67**	**5.42**	NS	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	**118.6**	**194.8**	**175.9**	**299.1**	**258.7**	**125.1**	NS	NT
Temperature (on-site)	°C	-	NE	**21.6**	**20.6**	**23.1**	**23.7**	**18.3**	**18.8**	NS	NT
Turbidity (on-site)	NTU	0.1	NE	**54**	**5.96**	**50.1**	**71.4**	**10.4**	**127**	NS	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Arsenic (As)	µg/l	50	10	ND	ND	ND	ND	ND	ND	NS	ND
Total Barium (Ba)	µg/l	500	2,000	ND	ND	ND	**503**	ND	ND	NS	ND
Total Beryllium (Be)	µg/l	2	NE	ND	ND	ND	**2.21**	ND	ND	NS	ND
Total Cadmium (Cd)	µg/l	5	5	ND	ND	ND	ND	ND	ND	NS	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND	ND	ND	ND	NS	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Copper (Cu)	µg/l	200	1,000	ND	ND	ND	ND	ND	ND	NS	ND
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	NS	ND
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	NS	ND
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	NS	ND
Total Silver (Ag)	µg/l	10	18	ND	ND	ND	ND	ND	ND	NS	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND	ND	ND	ND	NS	ND
Total Zinc (Zn)	µg/l	50	2,100	ND	ND	ND	ND	ND	ND	NS	ND
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	NS	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND	ND	ND	ND	NS	ND
Benzene	µg/l	1	1	ND	ND	ND	**1.04**	ND	ND	NS	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	NS	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	NS	ND
Bromoform (THM)	µg/l	2	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Carbon disulfide	µg/l	700	700	ND	ND	ND	ND	ND	ND	NS	ND
Bromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Carbon tetrachloride	µg/l	2	0.3	ND	ND	ND	ND	ND	ND	NS	ND
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	**6.85**	ND	ND	NS	ND
Chloroethane	µg/l	10	2,800	ND	ND	ND	ND	ND	ND	NS	ND
Chloroform (THM)	µg/l	1	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Chloromethane	µg/l	2.6	2.6	ND	ND	ND	ND	ND	ND	NS	ND
Dibromochloromethane (THM)	µg/l	5	0.41	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	0.025	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dibromoethane (EDB)	µg/l	1	0.0004	ND	ND	ND	ND	ND	ND	NS	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	ND	**17.3**	ND	ND	NS	ND
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	ND	ND	ND	ND	NS	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,1-Dichloroethane	µg/l	5	700	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichloroethane	µg/l	1	0.38	ND	ND	ND	ND	ND	ND	NS	ND
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	NS	ND
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	NS	ND
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	NS	ND
1,2-Dichloropropane	µg/l	1	0.56	ND	ND	ND	ND	ND	ND	NS	ND
cis-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	NS	ND
trans-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	NS	ND
Ethylbenzene	µg/l	5	29	ND	ND	ND	ND	ND	ND	NS	ND
2-Hexanone	µg/l	50	280	ND	ND	ND	ND	ND	ND	NS	ND
Iodomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	NS	ND
Methylene chloride	µg/l	10	5	ND	ND	ND	ND	ND	ND	NS	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	ND	ND	ND	ND	NS	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND	ND	ND	ND	NS	ND
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	NS	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	NS	ND
1,1,2,2-Tetrachloroethane	µg/l	5	0.17	ND	ND	ND	ND	ND	ND	NS	ND
Tetrachloroethene	µg/l	1	0.7	ND	ND	ND	ND	ND	ND	NS	ND
Toluene	µg/l	5	1,000	ND	ND	ND	ND	ND	ND	NS	**5.32**
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	NS	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	NS	ND
Trichloroethene	µg/l	2	2.8	ND	ND	ND	ND	ND	ND	NS	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	2,100	ND	ND	ND	ND	ND	ND	NS	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	NS	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND	ND	ND	ND	NS	ND
Vinyl chloride	µg/l	1	0.015	ND	ND	ND	ND	ND	ND	NS	ND
Xylenes	µg/l	5	530	ND	ND	ND	ND	ND	ND	NS	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #9 (8-31-04) (MW-8)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	NS	NS	NS	NS	NS	NS	**5.31**	NS
Specific Conductance (on-site)	µmhos/cm	1	NE	NS	NS	NS	NS	NS	NS	**53.7**	NS
Temperature (on-site)	°C	-	NE	NS	NS	NS	NS	NS	NS	**19.6**	NS
Turbidity (on-site)	NTU	0.1	NE	NS	NS	NS	NS	NS	NS	**82.0**	NS
Total Antimony (Sb)	µg/l	30	NE	NS	NS	NS	NS	NS	NS	ND	NS
Total Arsenic (As)	µg/l	50	10	NS	NS	NS	NS	NS	NS	ND	NS
Total Barium (Ba)	µg/l	500	2,000	NS	NS	NS	NS	NS	NS	ND	NS
Total Beryllium (Be)	µg/l	2	NE	NS	NS	NS	NS	NS	NS	ND	NS
Total Cadmium (Cd)	µg/l	5	5	NS	NS	NS	NS	NS	NS	ND	NS
Total Chromium (Cr)	µg/l	10	50	NS	NS	NS	NS	NS	NS	ND	NS
Total Cobalt (Co)	µg/l	10	NE	NS	NS	NS	NS	NS	NS	**20.2**	NS
Total Copper (Cu)	µg/l	200	1,000	NS	NS	NS	NS	NS	NS	ND	NS
Total Lead (Pb)	µg/l	10	15	NS	NS	NS	NS	NS	NS	ND	NS
Total Nickel (Ni)	µg/l	50	100	NS	NS	NS	NS	NS	NS	ND	NS
Total Selenium (Se)	µg/l	20	50	NS	NS	NS	NS	NS	NS	ND	NS
Total Silver (Ag)	µg/l	10	18	NS	NS	NS	NS	NS	NS	ND	NS
Total Thallium (Tl)	µg/l	10	NE	NS	NS	NS	NS	NS	NS	ND	NS
Total Vanadium (V)	µg/l	40	NE	NS	NS	NS	NS	NS	NS	ND	NS
Total Zinc (Zn)	µg/l	50	2,100	NS	NS	NS	NS	NS	NS	ND	NS
Acetone	µg/l	100	700	NS	NS	NS	NS	NS	NS	ND	NS
Acrylonitrile	µg/l	200	NE	NS	NS	NS	NS	NS	NS	ND	NS
Benzene	µg/l	1	1	NS	NS	NS	NS	NS	NS	ND	NS
Bromochloromethane	µg/l	5	NE	NS	NS	NS	NS	NS	NS	ND	NS
Bromodichloromethane (THM)	µg/l	1	NE	NS	NS	NS	NS	NS	NS	ND	NS
Bromoform (THM)	µg/l	2	0.19	NS	NS	NS	NS	NS	NS	ND	NS
Carbon disulfide	µg/l	700	700	NS	NS	NS	NS	NS	NS	ND	NS
Bromomethane	µg/l	10	NE	NS	NS	NS	NS	NS	NS	ND	NS
Carbon tetrachloride	µg/l	2	0.3	NS	NS	NS	NS	NS	NS	ND	NS
Chlorobenzene (mono)	µg/l	5	50	NS	NS	NS	NS	NS	NS	ND	NS
Chloroethane	µg/l	10	2,800	NS	NS	NS	NS	NS	NS	ND	NS
Chloroform (THM)	µg/l	1	0.19	NS	NS	NS	NS	NS	NS	ND	NS
Chloromethane	µg/l	2.6	2.6	NS	NS	NS	NS	NS	NS	ND	NS
Dibromochloromethane (THM)	µg/l	5	0.41	NS	NS	NS	NS	NS	NS	ND	NS
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	0.025	NS	NS	NS	NS	NS	NS	ND	NS
1,2-Dibromoethane (EDB)	µg/l	1	0.0004	NS	NS	NS	NS	NS	NS	ND	NS
Dibromomethane	µg/l	10	NE	NS	NS	NS	NS	NS	NS	ND	NS
1,2-Dichlorobenzene (o-)	µg/l	5	620	NS	NS	NS	NS	NS	NS	ND	NS
1,4-Dichlorobenzene (p-)	µg/l	5	75	NS	NS	NS	NS	NS	NS	ND	NS
trans-1,4-Dichloro-2-butene	µg/l	100	NE	NS	NS	NS	NS	NS	NS	ND	NS
1,1-Dichloroethane	µg/l	5	700	NS	NS	NS	NS	NS	NS	ND	NS
1,2-Dichloroethane	µg/l	1	0.38	NS	NS	NS	NS	NS	NS	ND	NS
1,1-Dichloroethene	µg/l	5	7	NS	NS	NS	NS	NS	NS	ND	NS
cis-1,2-Dichloroethene	µg/l	5	70	NS	NS	NS	NS	NS	NS	ND	NS
trans-1,2-Dichloroethene	µg/l	5	70	NS	NS	NS	NS	NS	NS	ND	NS
1,2-Dichloropropane	µg/l	1	0.56	NS	NS	NS	NS	NS	NS	ND	NS
cis-1,3-Dichloropropene	µg/l	10	0.19	NS	NS	NS	NS	NS	NS	ND	NS
trans-1,3-Dichloropropene	µg/l	10	0.19	NS	NS	NS	NS	NS	NS	ND	NS
Ethylbenzene	µg/l	5	29	NS	NS	NS	NS	NS	NS	ND	NS
2-Hexanone	µg/l	50	280	NS	NS	NS	NS	NS	NS	ND	NS
Iodomethane	µg/l	10	NE	NS	NS	NS	NS	NS	NS	ND	NS
Methylene chloride	µg/l	10	5	NS	NS	NS	NS	NS	NS	ND	NS
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	NS	NS	NS	NS	NS	NS	ND	NS
4-Methyl-2-pentanone	µg/l	100	NE	NS	NS	NS	NS	NS	NS	ND	NS
Styrene	µg/l	10	100	NS	NS	NS	NS	NS	NS	ND	NS
1,1,1,2-Tetrachloroethane	µg/l	5	NE	NS	NS	NS	NS	NS	NS	ND	NS
1,1,2,2-Tetrachloroethane	µg/l	5	0.17	NS	NS	NS	NS	NS	NS	ND	NS
Tetrachloroethene	µg/l	1	0.7	NS	NS	NS	NS	NS	NS	ND	NS
Toluene	µg/l	5	1,000	NS	NS	NS	NS	NS	NS	ND	NS
1,1,1-Trichloroethane	µg/l	5	200	NS	NS	NS	NS	NS	NS	ND	NS
1,1,2-Trichloroethane	µg/l	5	NE	NS	NS	NS	NS	NS	NS	ND	NS
Trichloroethene	µg/l	2	2.8	NS	NS	NS	NS	NS	NS	ND	NS
Trichlorofluoromethane (CFC-11)	µg/l	5	2,100	NS	NS	NS	NS	NS	NS	ND	NS
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	NS	NS	NS	NS	NS	NS	ND	NS
Vinyl acetate	µg/l	50	NE	NS	NS	NS	NS	NS	NS	ND	NS
Vinyl chloride	µg/l	1	0.015	NS	NS	NS	NS	NS	NS	ND	NS
Xylenes	µg/l	5	530	NS	NS	NS	NS	NS	NS	ND	NS

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #10 (1-26-05)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	**5.78**	**6.16**	**6.22**	**5.29**	**6.06**	**5.05**	**5.38**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	**315**	**451**	**425**	**624**	**663**	**319**	**165**	NT
Temperature (on-site)	°C	-	NE	**16.9**	**17.5**	**10.7**	**15.2**	**15.1**	**13.4**	**14.9**	NT
Turbidity (on-site)	NTU	0.1	NE	**47.6**	**19.8**	**10.6**	**10.6**	**1.04**	**1.84**	**5.34**	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Arsenic (As)	µg/l	50	10	ND	ND	ND	ND	ND	ND	ND	ND
Total Barium (Ba)	µg/l	500	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Beryllium (Be)	µg/l	2	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	5	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND	ND	ND	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Copper (Cu)	µg/l	200	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	ND	ND
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	ND	ND
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	ND	ND
Total Silver (Ag)	µg/l	10	18	ND	ND	ND	ND	ND	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Zinc (Zn)	µg/l	50	2,100	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/l	1	1	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform (THM)	µg/l	2	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	µg/l	700	700	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	µg/l	2	0.3	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	µg/l	10	2,800	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform (THM)	µg/l	1	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	µg/l	2.6	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	0.41	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	0.025	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	0.0004	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/l	5	700	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/l	1	0.38	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/l	1	0.56	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/l	5	29	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/l	50	280	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	µg/l	10	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	0.17	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/l	1	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/l	5	1,000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/l	2	2.8	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	2,100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/l	1	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	µg/l	5	530	ND	ND	ND	ND	ND	ND	ND	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #11 (7-20-05)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	**6.1**	**6.4**	**6.3**	**5.29**	**6.1**	**6.7**	**5.1**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	**148**	**230**	**196**	**402**	**507**	**148**	**51.2**	NT
Temperature (on-site)	°C	-	NE	**22.4**	**20.7**	**23.7**	**20.7**	**19.5**	**19.3**	**20.4**	NT
Turbidity (on-site)	NTU	0.1	NE	**46.1**	**18.0**	**12.7**	**14.0**	**21.0**	**31.7**	**17.8**	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Arsenic (As)	µg/l	50	10	ND	ND	ND	ND	ND	ND	ND	ND
Total Barium (Ba)	µg/l	500	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Beryllium (Be)	µg/l	2	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	5	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND	ND	ND	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Copper (Cu)	µg/l	200	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	ND	ND
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	ND	ND
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	ND	ND
Total Silver (Ag)	µg/l	10	18	ND	ND	ND	ND	ND	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Zinc (Zn)	µg/l	50	2,100	ND	ND	ND	ND	ND	55.5	ND	ND
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/l	1	1	ND	ND	ND	1.10	ND	ND	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform (THM)	µg/l	2	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	µg/l	700	700	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	µg/l	2	0.3	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	7.01	ND	ND	ND	ND
Chloroethane	µg/l	10	2,800	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform (THM)	µg/l	1	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	µg/l	2.6	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	0.41	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	0.025	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	0.0004	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	620	ND	ND	ND	15.3	ND	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/l	5	700	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/l	1	0.38	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/l	1	0.56	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/l	5	29	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/l	50	280	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	µg/l	10	5	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	170	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	0.17	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/l	1	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/l	5	1,000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/l	2	2.8	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	2,100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/l	1	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	µg/l	5	530	ND	ND	ND	ND	ND	ND	ND	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #12 (1-20-06)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	5.7	6.3	6.5	5.3	5.6	5.0	5.6	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	96.4	132	319	388	467	173.5	69.7	NT
Temperature (on-site)	°C	-	NE	17.7	17.5	13.5	15.8	16.3	15.9	15.2	NT
Turbidity (on-site)	NTU	0.1	NE	11.00	13.38	26.72	6.11	5.79	26.2	2.08	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Arsenic (As)	µg/l	10	10	ND	ND	ND	ND	ND	ND	ND	ND
Total Barium (Ba)	µg/l	500	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Beryllium (Be)	µg/l	2	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND	ND	ND	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Copper (Cu)	µg/l	200	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	ND	ND
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	ND	ND
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	ND	ND
Total Silver (Ag)	µg/l	10	17.5	ND	ND	ND	ND	ND	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Zinc (Zn)	µg/l	50	1,050	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/l	1	1	ND	ND	ND	1.17	ND	ND	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	0.56	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform (THM)	µg/l	2	4.43	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	µg/l	700	700	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	µg/l	2	0.269	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	12.1	ND	ND	ND	ND
Chloroethane	µg/l	10	2,800	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform (THM)	µg/l	1	70	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	µg/l	2.6	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	0.41	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	0.025	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	0.0004	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	24	ND	ND	ND	24.0	ND	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	1.4	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/l	1	0.38	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/l	1	0.510	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/l	5	550	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/l	50	280	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	µg/l	10	4.6	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	4200	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	0.17	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/l	1	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/l	5	1,000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/l	2	2.8	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	2,100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/l	1	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	µg/l	5	530	ND	ND	ND	ND	ND	ND	ND	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Groundwater Sampling Event #13 (7-25-06)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8	FIELD BLANK
pH (on-site)	pH units	-	NE	6.0	6.2	6.1	5.6	6.1	5.2	5.4	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	106.7	206.9	175.7	341.3	479	149.6	51.3	NT
Temperature (on-site)	°C	-	NE	21.6	22.2	23.3	19.9	21.4	21.6	22.4	NT
Turbidity (on-site)	NTU	0.1	NE	283	22.4	56.6	38.6	2.64	8.18	34.5	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Arsenic (As)	µg/l	10	10	ND	ND	ND	ND	ND	ND	ND	ND
Total Barium (Ba)	µg/l	500	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Beryllium (Be)	µg/l	2	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	1.75	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	23.2	ND	ND	ND	ND	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Copper (Cu)	µg/l	200	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Total Lead (Pb)	µg/l	10	15	ND	ND	ND	ND	ND	ND	ND	ND
Total Nickel (Ni)	µg/l	50	100	ND	ND	ND	ND	ND	ND	ND	ND
Total Selenium (Se)	µg/l	20	50	ND	ND	ND	ND	ND	ND	ND	ND
Total Silver (Ag)	µg/l	10	17.5	ND	ND	ND	ND	ND	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND	ND	ND	ND	ND	ND
Total Zinc (Zn)	µg/l	50	1,050	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/l	100	700	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND	ND	ND	ND	ND	ND
Benzene +	µg/l	1	1	ND	ND	ND	1.08	ND	1.03	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	0.56	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform (THM)	µg/l	2	4.43	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	µg/l	700	700	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	µg/l	2	0.269	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	50	ND	ND	ND	11.3	ND	ND	ND	ND
Chloroethane	µg/l	10	2,800	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform (THM)	µg/l	1	70	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	µg/l	2.6	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	0.41	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	0.025	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	0.0004	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-) +	µg/l	5	24	ND	ND	ND	25.2	ND	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	1.4	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/l	1	0.38	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/l	5	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	70	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/l	1	0.510	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/l	5	550	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/l	50	280	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	µg/l	10	4.6	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	4200	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/l	10	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	0.17	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/l	1	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/l	5	1,000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/l	5	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/l	2	2.8	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	2,100	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/l	1	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	µg/l	5	530	ND	ND	ND	ND	ND	ND	ND	ND

Note:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2L .0202 Class GA Ground-Water Standards. Shaded cells indicate MCL exceedances.
NS = Not Sampled
NT = Not Tested
NE = Not Established

APPENDIX II

Tabulated Historical Surface Water Quality

SAMPLING EVENT 1/29/03
JMN/Cleveland Container Landfill

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	**6.8**	**6.7**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	**60.3**	**87.0**	NT
Temperature (on-site)	°C	-	32	**3.2**	**6.2**	NT
Turbidity (on-site)	NTU	0.1	50	**16.7**	**22.4**	NT
Total Antimony (Sb)	µg/l	2.00	NE	ND	ND	ND
Total Arsenic (As)	µg/l	5.00	50	ND	ND	ND
Total Barium (Ba)	µg/l	5.00	NE	**27.2**	**62.6**	ND
Total Beryllium (Be)	µg/l	0.200	6.5	ND	**0.323**	ND
Total Cadmium (Cd)	µg/l	5.00	2	ND	ND	ND
Total Chromium (Cr)	µg/l	5.00	50	ND	ND	ND
Total Cobalt (Co)	µg/l	5.00	NE	ND	ND	ND
Total Copper (Cu)	µg/l	5.00	7	ND	ND	ND
Total Lead (Pb)	µg/l	5.00	25	ND	ND	ND
Total Nickel (Ni)	µg/l	5.00	88	ND	ND	ND
Total Selenium (Se)	µg/l	5.00	5	ND	ND	ND
Total Silver (Ag)	µg/l	5.00	0.06	ND	ND	ND
Total Thallium (Tl)	µg/l	0.500	NE	ND	ND	ND
Total Vanadium (V)	µg/l	5.00	NE	ND	**8.42**	ND
Total Zinc (Zn)	µg/l	5.00	50	ND	**9.21**	ND
Acetone	µg/l	5.00	NE	ND	ND	ND
Acrylonitrile	µg/l	5.00	NE	ND	ND	ND
Benzene	µg/l	1.00	71.4	ND	ND	ND
Bromochloromethane	µg/l	1.00	NE	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1.00	NE	ND	ND	ND
Bromoform (THM)	µg/l	1.00	NE	ND	ND	ND
Carbon disulfide	µg/l	5.00	NE	ND	ND	ND
Bromomethane	µg/l	1.00	NE	ND	ND	ND
Carbon tetrachloride	µg/l	1.00	4.42	ND	ND	ND
Chlorobenzene (mono)	µg/l	1.00	NE	ND	ND	ND
Chloroethane	µg/l	1.00	NE	ND	ND	ND
Chloroform (THM)	µg/l	1.00	NE	ND	ND	ND
Chloromethane	µg/l	1.00	NE	ND	ND	ND
Dibromochloromethane (THM)	µg/l	1.00	NE	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	1.00	NE	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1.00	NE	ND	ND	ND
Dibromomethane	µg/l	1.00	NE	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	1.00	NE	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	1.00	NE	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	5.00	NE	ND	ND	ND
1,1-Dichloroethane	µg/l	1.00	NE	ND	ND	ND
1,2-Dichloroethane	µg/l	1.00	NE	ND	ND	ND
1,1-Dichloroethene	µg/l	1.00	NE	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	1.00	NE	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	1.00	NE	ND	ND	ND
1,2-Dichloropropane	µg/l	1.00	NE	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	1.00	NE	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	1.00	NE	ND	ND	ND
Ethylbenzene	µg/l	1.00	NE	ND	ND	ND
2-Hexanone	µg/l	5.00	NE	ND	ND	ND
Iodomethane	µg/l	5.00	NE	ND	ND	ND
Methylene chloride	µg/l	5.00	NE	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	5.00	NE	ND	ND	ND
4-Methyl-2-pentanone	µg/l	5.00	NE	ND	ND	ND
Styrene	µg/l	1.00	NE	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	1.00	NE	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	1.00	10.8	ND	ND	ND
Tetrachloroethene	µg/l	1.00	NE	ND	ND	ND
Toluene	µg/l	1.00	NE	ND	ND	**10.5**
1,1,1-Trichloroethane	µg/l	1.00	NE	ND	ND	ND
1,1,2-Trichloroethane	µg/l	1.00	NE	ND	ND	ND
Trichloroethene	µg/l	1.00	92.4	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	1.00	NE	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1.00	NE	ND	ND	ND
Vinyl acetate	µg/l	5.00	NE	ND	ND	ND
Vinyl chloride	µg/l	1.00	525	ND	ND	ND
Xylenes	µg/l	1.00	NE	ND	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceedances.
NE = Not Established

SAMPLING EVENT 7-28-03
JMN/Cleveland Container Landfill

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	6.8	6.8	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	253	100	NT
Temperature (on-site)	°C	-	32	26.8	25.7	NT
Turbidity (on-site)	NTU	0.1	50	11	18	NT
Total Antimony (Sb)	µg/l	2.00	NE	ND	ND	ND
Total Arsenic (As)	µg/l	5.00	50	ND	ND	ND
Total Barium (Ba)	µg/l	5.00	NE	77.5	28.2	46.9
Total Beryllium (Be)	µg/l	0.200	6.5	0.343	ND	ND
Total Cadmium (Cd)	µg/l	5.00	2	ND	ND	ND
Total Chromium (Cr)	µg/l	5.00	50	6.27	ND	ND
Total Cobalt (Co)	µg/l	5.00	NE	13.6	9.93	ND
Total Copper (Cu)	µg/l	5.00	7	5.86	ND	ND
Total Lead (Pb)	µg/l	5.00	25	ND	ND	ND
Total Nickel (Ni)	µg/l	5.00	88	ND	ND	ND
Total Selenium (Se)	µg/l	5.00	5	11.5	23.3	ND
Total Silver (Ag)	µg/l	5.00	0.06	ND	ND	ND
Total Thallium (Tl)	µg/l	0.500	NE	ND	ND	ND
Total Vanadium (V)	µg/l	5.00	NE	14.1	ND	ND
Total Zinc (Zn)	µg/l	5.00	50	24.9	6.13	6.41
Acetone	µg/l	5.00	NE	ND	ND	ND
Acrylonitrile	µg/l	5.00	NE	ND	ND	ND
Benzene	µg/l	1.00	71.4	ND	ND	ND
Bromochloromethane	µg/l	1.00	NE	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1.00	NE	ND	ND	ND
Bromoform (THM)	µg/l	1.00	NE	ND	ND	ND
Carbon disulfide	µg/l	5.00	NE	ND	ND	ND
Bromomethane	µg/l	1.00	NE	ND	ND	ND
Carbon tetrachloride	µg/l	1.00	4.42	ND	ND	ND
Chlorobenzene (mono)	µg/l	1.00	NE	ND	ND	ND
Chloroethane	µg/l	1.00	NE	ND	ND	ND
Chloroform (THM)	µg/l	1.00	NE	ND	ND	ND
Chloromethane	µg/l	1.00	NE	ND	ND	ND
Dibromochloromethane (THM)	µg/l	1.00	NE	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	1.00	NE	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1.00	NE	ND	ND	ND
Dibromomethane	µg/l	1.00	NE	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	1.00	NE	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	1.00	NE	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	5.00	NE	ND	ND	ND
1,1-Dichloroethane	µg/l	1.00	NE	ND	ND	ND
1,2-Dichloroethane	µg/l	1.00	NE	ND	ND	ND
1,1-Dichloroethene	µg/l	1.00	NE	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	1.00	NE	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	1.00	NE	ND	ND	ND
1,2-Dichloropropane	µg/l	1.00	NE	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	1.00	NE	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	1.00	NE	ND	ND	ND
Ethylbenzene	µg/l	1.00	NE	ND	ND	ND
2-Hexanone	µg/l	5.00	NE	ND	ND	ND
Iodomethane	µg/l	5.00	NE	ND	ND	ND
Methylene chloride	µg/l	5.00	NE	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	5.00	NE	ND	ND	ND
4-Methyl-2-pentanone	µg/l	5.00	NE	ND	ND	ND
Styrene	µg/l	1.00	NE	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	1.00	NE	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	1.00	10.8	ND	ND	ND
Tetrachloroethene	µg/l	1.00	NE	ND	ND	ND
Toluene	µg/l	1.00	NE	1.15	ND	ND
1,1,1-Trichloroethane	µg/l	1.00	NE	ND	ND	ND
1,1,2-Trichloroethane	µg/l	1.00	NE	ND	ND	ND
Trichloroethene	µg/l	1.00	92.4	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	1.00	NE	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1.00	NE	ND	ND	ND
Vinyl acetate	µg/l	5.00	NE	ND	ND	ND
Vinyl chloride	µg/l	1.00	525	ND	ND	ND
Xylenes	µg/l	1.00	NE	ND	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceedances.
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Surface Water Sampling Event (1-14-04)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	6.83	7.16	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	76	60	NT
Temperature (on-site)	°C	-	32	7.1	6.7	NT
Turbidity (on-site)	NTU	0.1	50	4.3	14.6	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND
Total Arsenic (As)	µg/l	50	50	ND	ND	ND
Total Barium (Ba)	µg/l	500	NE	ND	ND	ND
Total Beryllium (Be)	µg/l	2	6.5	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	2	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND
Total Copper (Cu)	µg/l	200	7	ND	ND	ND
Total Lead (Pb)	µg/l	10	25	ND	ND	ND
Total Nickel (Ni)	µg/l	50	88	ND	ND	ND
Total Selenium (Se)	µg/l	20	5	ND	ND	ND
Total Silver (Ag)	µg/l	10	0.06	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND
Total Zinc (Zn)	µg/l	50	50	ND	ND	ND
Acetone	µg/l	100	NE	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND
Benzene	µg/l	1	71.4	ND	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND
Bromoform (THM)	µg/l	2	NE	ND	ND	ND
Carbon disulfide	µg/l	700	NE	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND
Carbon tetrachloride	µg/l	2	4.42	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	NE	ND	ND	ND
Chloroethane	µg/l	10	NE	ND	ND	ND
Chloroform (THM)	µg/l	1	NE	ND	ND	ND
Chloromethane	µg/l	2.6	NE	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	NE	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	NE	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	NE	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	NE	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	NE	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND
1,1-Dichloroethane	µg/l	5	NE	ND	ND	ND
1,2-Dichloroethane	µg/l	1	NE	ND	ND	ND
1,1-Dichloroethene	µg/l	5	NE	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
1,2-Dichloropropane	µg/l	1	NE	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
Ethylbenzene	µg/l	5	NE	ND	ND	ND
2-Hexanone	µg/l	50	NE	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND
Methylene chloride	µg/l	10	NE	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	NE	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND
Styrene	µg/l	10	NE	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	10.8	ND	ND	ND
Tetrachloroethene	µg/l	1	NE	ND	ND	ND
Toluene	µg/l	5	NE	ND	ND	ND
1,1,1-Trichloroethane	µg/l	5	NE	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND
Trichloroethene	µg/l	2	92.4	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	NE	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND
Vinyl chloride	µg/l	1	525	ND	ND	ND
Xylenes	µg/l	5	NE	ND	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceeda
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Surface Water Sampling Event (7-7-04)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	**6.65**	**6.79**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	**85.2**	**81**	NT
Temperature (on-site)	°C	-	32	**27.9**	**28.3**	NT
Turbidity (on-site)	NTU	0.1	50	**4.82**	**4.04**	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND
Total Arsenic (As)	µg/l	50	50	ND	ND	ND
Total Barium (Ba)	µg/l	500	NE	ND	ND	ND
Total Beryllium (Be)	µg/l	2	6.5	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	2	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND
Total Copper (Cu)	µg/l	200	7	ND	ND	ND
Total Lead (Pb)	µg/l	10	25	ND	ND	ND
Total Nickel (Ni)	µg/l	50	88	ND	ND	ND
Total Selenium (Se)	µg/l	20	5	ND	ND	ND
Total Silver (Ag)	µg/l	10	0.06	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND
Total Zinc (Zn)	µg/l	50	50	ND	ND	ND
Acetone	µg/l	100	NE	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND
Benzene	µg/l	1	71.4	ND	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND
Bromoform (THM)	µg/l	2	NE	ND	ND	ND
Carbon disulfide	µg/l	700	NE	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND
Carbon tetrachloride	µg/l	2	4.42	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	NE	ND	ND	ND
Chloroethane	µg/l	10	NE	ND	ND	ND
Chloroform (THM)	µg/l	1	NE	ND	ND	ND
Chloromethane	µg/l	2.6	NE	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	NE	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	NE	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	NE	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	NE	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	NE	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND
1,1-Dichloroethane	µg/l	5	NE	ND	ND	ND
1,2-Dichloroethane	µg/l	1	NE	ND	ND	ND
1,1-Dichloroethene	µg/l	5	NE	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
1,2-Dichloropropane	µg/l	1	NE	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
Ethylbenzene	µg/l	5	NE	ND	ND	ND
2-Hexanone	µg/l	50	NE	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND
Methylene chloride	µg/l	10	NE	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	NE	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND
Styrene	µg/l	10	NE	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	10.8	ND	ND	ND
Tetrachloroethene	µg/l	1	NE	ND	ND	ND
Toluene	µg/l	5	NE	ND	ND	5.32
1,1,1-Trichloroethane	µg/l	5	NE	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND
Trichloroethene	µg/l	2	92.4	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	NE	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND
Vinyl chloride	µg/l	1	525	ND	ND	ND
Xylenes	µg/l	5	NE	ND	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceeda
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Surface Water Sampling Event (1-26-05)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	**6.67**	**5.31**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	**243**	**117**	NT
Temperature (on-site)	°C	-	32	**14.1**	**3.5**	NT
Turbidity (on-site)	NTU	0.1	50	**5.20**	**29.5**	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND
Total Arsenic (As)	µg/l	50	50	ND	ND	ND
Total Barium (Ba)	µg/l	500	NE	ND	ND	ND
Total Beryllium (Be)	µg/l	2	6.5	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	2	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND
Total Copper (Cu)	µg/l	200	7	ND	ND	ND
Total Lead (Pb)	µg/l	10	25	ND	ND	ND
Total Nickel (Ni)	µg/l	50	88	ND	ND	ND
Total Selenium (Se)	µg/l	20	5	ND	ND	ND
Total Silver (Ag)	µg/l	10	0.06	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND
Total Zinc (Zn)	µg/l	50	50	ND	ND	ND
Acetone	µg/l	100	NE	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND
Benzene	µg/l	1	71.4	ND	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND
Bromoform (THM)	µg/l	2	NE	ND	ND	ND
Carbon disulfide	µg/l	700	NE	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND
Carbon tetrachloride	µg/l	2	4.42	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	NE	ND	**6.82**	ND
Chloroethane	µg/l	10	NE	ND	ND	ND
Chloroform (THM)	µg/l	1	NE	ND	ND	ND
Chloromethane	µg/l	2.6	NE	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	NE	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	NE	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	NE	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	NE	ND	**15.4**	ND
1,4-Dichlorobenzene (p-)	µg/l	5	NE	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND
1,1-Dichloroethane	µg/l	5	NE	ND	ND	ND
1,2-Dichloroethane	µg/l	1	NE	ND	ND	ND
1,1-Dichloroethene	µg/l	5	NE	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
1,2-Dichloropropane	µg/l	1	NE	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
Ethylbenzene	µg/l	5	NE	ND	ND	ND
2-Hexanone	µg/l	50	NE	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND
Methylene chloride	µg/l	10	NE	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	NE	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND
Styrene	µg/l	10	NE	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	10.8	ND	ND	ND
Tetrachloroethene	µg/l	1	NE	ND	ND	ND
Toluene	µg/l	5	NE	ND	ND	ND
1,1,1-Trichloroethane	µg/l	5	NE	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND
Trichloroethene	µg/l	2	92.4	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	NE	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND
Vinyl chloride	µg/l	1	525	ND	ND	ND
Xylenes	µg/l	5	NE	ND	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceeda
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Surface Water Sampling Event (8-15-05)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	Dry	**9.07**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	Dry	**90.0**	NT
Temperature (on-site)	°C	-	32	Dry	**26.1**	NT
Turbidity (on-site)	NTU	0.1	50	Dry	**6.41**	NT
Total Antimony (Sb)	µg/l	30	NE	Dry	ND	ND
Total Arsenic (As)	µg/l	50	50	Dry	ND	ND
Total Barium (Ba)	µg/l	500	NE	Dry	ND	ND
Total Beryllium (Be)	µg/l	2	6.5	Dry	ND	ND
Total Cadmium (Cd)	µg/l	5	2	Dry	ND	ND
Total Chromium (Cr)	µg/l	10	50	Dry	ND	ND
Total Cobalt (Co)	µg/l	10	NE	Dry	ND	ND
Total Copper (Cu)	µg/l	200	7	Dry	ND	ND
Total Lead (Pb)	µg/l	10	25	Dry	ND	ND
Total Nickel (Ni)	µg/l	50	88	Dry	ND	ND
Total Selenium (Se)	µg/l	20	5	Dry	ND	ND
Total Silver (Ag)	µg/l	10	0.06	Dry	ND	ND
Total Thallium (Tl)	µg/l	10	NE	Dry	ND	ND
Total Vanadium (V)	µg/l	40	NE	Dry	ND	ND
Total Zinc (Zn)	µg/l	50	50	Dry	ND	ND
Acetone	µg/l	100	NE	Dry	ND	ND
Acrylonitrile	µg/l	200	NE	Dry	ND	ND
Benzene	µg/l	1	71.4	Dry	ND	ND
Bromochloromethane	µg/l	5	NE	Dry	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	Dry	ND	ND
Bromoform (THM)	µg/l	2	NE	Dry	ND	ND
Carbon disulfide	µg/l	700	NE	Dry	ND	ND
Bromomethane	µg/l	10	NE	Dry	ND	ND
Carbon tetrachloride	µg/l	2	4.42	Dry	ND	ND
Chlorobenzene (mono)	µg/l	5	NE	Dry	ND	ND
Chloroethane	µg/l	10	NE	Dry	ND	ND
Chloroform (THM)	µg/l	1	NE	Dry	ND	ND
Chloromethane	µg/l	2.6	NE	Dry	ND	ND
Dibromochloromethane (THM)	µg/l	5	NE	Dry	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	NE	Dry	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	NE	Dry	ND	ND
Dibromomethane	µg/l	10	NE	Dry	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	NE	Dry	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	NE	Dry	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	Dry	ND	ND
1,1-Dichloroethane	µg/l	5	NE	Dry	ND	ND
1,2-Dichloroethane	µg/l	1	NE	Dry	ND	ND
1,1-Dichloroethene	µg/l	5	NE	Dry	ND	ND
cis-1,2-Dichloroethene	µg/l	5	NE	Dry	ND	ND
trans-1,2-Dichloroethene	µg/l	5	NE	Dry	ND	ND
1,2-Dichloropropane	µg/l	1	NE	Dry	ND	ND
cis-1,3-Dichloropropene	µg/l	10	NE	Dry	ND	ND
trans-1,3-Dichloropropene	µg/l	10	NE	Dry	ND	ND
Ethylbenzene	µg/l	5	NE	Dry	ND	ND
2-Hexanone	µg/l	50	NE	Dry	ND	ND
Iodomethane	µg/l	10	NE	Dry	ND	ND
Methylene chloride	µg/l	10	NE	Dry	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	NE	Dry	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	Dry	ND	ND
Styrene	µg/l	10	NE	Dry	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	Dry	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	10.8	Dry	ND	ND
Tetrachloroethene	µg/l	1	NE	Dry	ND	ND
Toluene	µg/l	5	NE	Dry	ND	ND
1,1,1-Trichloroethane	µg/l	5	NE	Dry	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	Dry	ND	ND
Trichloroethene	µg/l	2	92.4	Dry	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	NE	Dry	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	Dry	ND	ND
Vinyl acetate	µg/l	50	NE	Dry	ND	ND
Vinyl chloride	µg/l	1	525	Dry	ND	ND
Xylenes	µg/l	5	NE	Dry	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceeda
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Surface Water Sampling Event (1-20-06)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	**6.2**	**6.3**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	**56.7**	**77.7**	NT
Temperature (on-site)	°C	-	32	**16.2**	**13.1**	NT
Turbidity (on-site)	NTU	0.1	50	**3.21**	**5.28**	NT
Total Antimony (Sb)	µg/l	30	NE	ND	ND	ND
Total Arsenic (As)	µg/l	50	50	ND	ND	ND
Total Barium (Ba)	µg/l	500	NE	ND	ND	ND
Total Beryllium (Be)	µg/l	2	6.5	ND	ND	ND
Total Cadmium (Cd)	µg/l	5	2	ND	ND	ND
Total Chromium (Cr)	µg/l	10	50	ND	ND	ND
Total Cobalt (Co)	µg/l	10	NE	ND	ND	ND
Total Copper (Cu)	µg/l	200	7	ND	ND	ND
Total Lead (Pb)	µg/l	10	25	ND	ND	ND
Total Nickel (Ni)	µg/l	50	88	ND	ND	ND
Total Selenium (Se)	µg/l	20	5	ND	ND	ND
Total Silver (Ag)	µg/l	10	0.06	ND	ND	ND
Total Thallium (Tl)	µg/l	10	NE	ND	ND	ND
Total Vanadium (V)	µg/l	40	NE	ND	ND	ND
Total Zinc (Zn)	µg/l	50	50	ND	ND	ND
Acetone	µg/l	100	NE	ND	ND	ND
Acrylonitrile	µg/l	200	NE	ND	ND	ND
Benzene	µg/l	1	71.4	ND	ND	ND
Bromochloromethane	µg/l	5	NE	ND	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	ND	ND	ND
Bromoform (THM)	µg/l	2	NE	ND	ND	ND
Carbon disulfide	µg/l	700	NE	ND	ND	ND
Bromomethane	µg/l	10	NE	ND	ND	ND
Carbon tetrachloride	µg/l	2	4.42	ND	ND	ND
Chlorobenzene (mono)	µg/l	5	NE	ND	ND	ND
Chloroethane	µg/l	10	NE	ND	ND	ND
Chloroform (THM)	µg/l	1	NE	ND	ND	ND
Chloromethane	µg/l	2.6	NE	ND	ND	ND
Dibromochloromethane (THM)	µg/l	5	NE	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	NE	ND	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	NE	ND	ND	ND
Dibromomethane	µg/l	10	NE	ND	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	NE	ND	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	NE	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	ND	ND	ND
1,1-Dichloroethane	µg/l	5	NE	ND	ND	ND
1,2-Dichloroethane	µg/l	1	NE	ND	ND	ND
1,1-Dichloroethene	µg/l	5	NE	ND	ND	ND
cis-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
trans-1,2-Dichloroethene	µg/l	5	NE	ND	ND	ND
1,2-Dichloropropane	µg/l	1	NE	ND	ND	ND
cis-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
trans-1,3-Dichloropropene	µg/l	10	NE	ND	ND	ND
Ethylbenzene	µg/l	5	NE	ND	ND	ND
2-Hexanone	µg/l	50	NE	ND	ND	ND
Iodomethane	µg/l	10	NE	ND	ND	ND
Methylene chloride	µg/l	10	NE	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	NE	ND	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	ND	ND	ND
Styrene	µg/l	10	NE	ND	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	10.8	ND	ND	ND
Tetrachloroethene	µg/l	1	NE	ND	ND	ND
Toluene	µg/l	5	NE	ND	ND	ND
1,1,1-Trichloroethane	µg/l	5	NE	ND	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	ND	ND	ND
Trichloroethene	µg/l	2	92.4	ND	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	NE	ND	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	ND	ND	ND
Vinyl acetate	µg/l	50	NE	ND	ND	ND
Vinyl chloride	µg/l	1	525	ND	ND	ND
Xylenes	µg/l	5	NE	ND	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceeds
NE = Not Established

JMN/Cleveland Container Landfill
Cleveland County, North Carolina
Surface Water Sampling Event (7-25-06)

TEST	UNITS	REPORTING LIMIT	STATE ACTION LEVEL	SW-3	SW-4	Field Blank
pH (on-site)	pH units	-	<6 or >9	Dry	**6.5**	NT
Specific Conductance (on-site)	µmhos/cm	1	NE	Dry	**47.1**	NT
Temperature (on-site)	°C	-	32	Dry	**27.6**	NT
Turbidity (on-site)	NTU	0.1	50	Dry	**121**	NT
Total Antimony (Sb)	µg/l	30	NE	Dry	ND	ND
Total Arsenic (As)	µg/l	50	50	Dry	ND	ND
Total Barium (Ba)	µg/l	500	NE	Dry	ND	ND
Total Beryllium (Be)	µg/l	2	6.5	Dry	ND	ND
Total Cadmium (Cd)	µg/l	5	2	Dry	ND	ND
Total Chromium (Cr)	µg/l	10	50	Dry	ND	ND
Total Cobalt (Co)	µg/l	10	NE	Dry	ND	ND
Total Copper (Cu)	µg/l	200	7	Dry	ND	ND
Total Lead (Pb)	µg/l	10	25	Dry	ND	ND
Total Nickel (Ni)	µg/l	50	88	Dry	ND	ND
Total Selenium (Se)	µg/l	20	5	Dry	ND	ND
Total Silver (Ag)	µg/l	10	0.06	Dry	ND	ND
Total Thallium (Tl)	µg/l	10	NE	Dry	ND	ND
Total Vanadium (V)	µg/l	40	NE	Dry	ND	ND
Total Zinc (Zn)	µg/l	50	50	Dry	ND	ND
Acetone	µg/l	100	NE	Dry	ND	ND
Acrylonitrile	µg/l	200	NE	Dry	ND	ND
Benzene	µg/l	1	71.4	Dry	ND	ND
Bromochloromethane	µg/l	5	NE	Dry	ND	ND
Bromodichloromethane (THM)	µg/l	1	NE	Dry	ND	ND
Bromoform (THM)	µg/l	2	NE	Dry	ND	ND
Carbon disulfide	µg/l	700	NE	Dry	ND	ND
Bromomethane	µg/l	10	NE	Dry	ND	ND
Carbon tetrachloride	µg/l	2	4.42	Dry	ND	ND
Chlorobenzene (mono)	µg/l	5	NE	Dry	ND	ND
Chloroethane	µg/l	10	NE	Dry	ND	ND
Chloroform (THM)	µg/l	1	NE	Dry	ND	ND
Chloromethane	µg/l	2.6	NE	Dry	ND	ND
Dibromochloromethane (THM)	µg/l	5	NE	Dry	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	µg/l	2	NE	Dry	ND	ND
1,2-Dibromoethane (EDB)	µg/l	1	NE	Dry	ND	ND
Dibromomethane	µg/l	10	NE	Dry	ND	ND
1,2-Dichlorobenzene (o-)	µg/l	5	NE	Dry	ND	ND
1,4-Dichlorobenzene (p-)	µg/l	5	NE	Dry	ND	ND
trans-1,4-Dichloro-2-butene	µg/l	100	NE	Dry	ND	ND
1,1-Dichloroethane	µg/l	5	NE	Dry	ND	ND
1,2-Dichloroethane	µg/l	1	NE	Dry	ND	ND
1,1-Dichloroethene	µg/l	5	NE	Dry	ND	ND
cis-1,2-Dichloroethene	µg/l	5	NE	Dry	ND	ND
trans-1,2-Dichloroethene	µg/l	5	NE	Dry	ND	ND
1,2-Dichloropropane	µg/l	1	NE	Dry	ND	ND
cis-1,3-Dichloropropene	µg/l	10	NE	Dry	ND	ND
trans-1,3-Dichloropropene	µg/l	10	NE	Dry	ND	ND
Ethylbenzene	µg/l	5	NE	Dry	ND	ND
2-Hexanone	µg/l	50	NE	Dry	ND	ND
Iodomethane	µg/l	10	NE	Dry	ND	ND
Methylene chloride	µg/l	10	NE	Dry	ND	ND
2-Butanone (Methyl Ethyl Ketone:MEK)	µg/l	100	NE	Dry	ND	ND
4-Methyl-2-pentanone	µg/l	100	NE	Dry	ND	ND
Styrene	µg/l	10	NE	Dry	ND	ND
1,1,1,2-Tetrachloroethane	µg/l	5	NE	Dry	ND	ND
1,1,2,2-Tetrachloroethane	µg/l	5	10.8	Dry	ND	ND
Tetrachloroethene	µg/l	1	NE	Dry	ND	ND
Toluene	µg/l	5	NE	Dry	ND	ND
1,1,1-Trichloroethane	µg/l	5	NE	Dry	ND	ND
1,1,2-Trichloroethane	µg/l	5	NE	Dry	ND	ND
Trichloroethene	µg/l	2	92.4	Dry	ND	ND
Trichlorofluoromethane (CFC-11)	µg/l	5	NE	Dry	ND	ND
1,2,3-Trichloropropane (TCP)	µg/l	1	NE	Dry	ND	ND
Vinyl acetate	µg/l	50	NE	Dry	ND	ND
Vinyl chloride	µg/l	1	525	Dry	ND	ND
Xylenes	µg/l	5	NE	Dry	ND	ND

Notes:
ND = Not Detected above the method reporting limit
State Action Level = NCAC 2B .0211 Class C Surface Water Standards. Shaded cells indicate MCL exceeda
NE = Not Established

APPENDIX III

Laboratory Certificates of Analysis, Field Data Information, Chain of Custody Documentation

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GEEL003 General Engineering & Environmental, LLC

Client SDG: 168079 GEL Work Order: 168079

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

ND The analyte concentration is not detected above the detection limit.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Cheryl Jones.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607
Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Report Date: August 10, 2006

Client Sample ID: MW-1B
Sample ID: 167970001
Matrix: Ground Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1611	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium		0.0232	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/04/06	0234	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607

Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Client Sample ID: MW-1B
Sample ID: 167970001

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene	<	1.00	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

The above sample is reported on an "as received" basis.

GENERAL ENGINEERING LABORATORIES, LLC

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Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
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Greenville, South Carolina 29607
Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Report Date: August 10, 2006

Client Sample ID: MW-1C
Sample ID: 167970002
Matrix: Ground Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1631	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/04/06	0303	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

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Greenville, South Carolina 29607

Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Client Sample ID: MW–1C
Sample ID: 167970002

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene	<	1.00	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis–1,2–Dichloroethylene	<	5.00	ug/L					
cis 1,3–Dichloropropylene	<	10.0	ug/L					
trans–1,2–Dichloroethylene	<	5.00	ug/L					
trans–1,3–Dichloropropylene	<	10.0	ug/L					
trans–1,4–Dichloro–2–butene	<	100	ug/L					

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Address : 111 Smith Hines Road
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Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: MW-4
Sample ID: 167970003
Matrix: Ground Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1647	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/04/06	0332	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

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Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: MW-4
Sample ID: 167970003

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene	<	1.00	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

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Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: MW-5
Sample ID: 167970004
Matrix: Ground Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1652	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/04/06	2230	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene		25.2	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

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Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Report Date: August 10, 2006

Client Sample ID: MW-5
Sample ID: 167970004

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene		1.08	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene		11.3	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

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Address : 111 Smith Hines Road
Suite J
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Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Report Date: August 10, 2006

Client Sample ID: MW-6
Sample ID: 167970005
Matrix: Ground Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1657	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/04/06	2259	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

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Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: MW-6
Sample ID: 167970005

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene	<	1.00	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

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Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Client Sample ID: MW-7A
Sample ID: 167970006
Matrix: Ground Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1702	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/04/06	2328	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

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2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607
Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Report Date: August 10, 2006

Client Sample ID: MW-7A
Sample ID: 167970006

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene		1.03	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

The above sample is reported on an "as received" basis.

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607

Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: MW-8
Sample ID: 167970007
Matrix: Ground Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1707	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/04/06	2357	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607

Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: MW-8
Sample ID: 167970007

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene	<	1.00	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

The above sample is reported on an "as received" basis.

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Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607

Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Client Sample ID:	Field Blank	Project:	RPBL00206C
Sample ID:	167970008	Client ID:	GEEL003
Matrix:	Water		
Collect Date:	25-JUL-06		
Receive Date:	27-JUL-06		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1713	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/05/06	0026	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607
Contact: Gary Dalton
Project: **Republic Services, Inc. – JMN LF**

Report Date: August 10, 2006

Client Sample ID: Field Blank
Sample ID: 167970008

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene	<	1.00	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

The above sample is reported on an "as received" basis.

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Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607

Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: SW-4
Sample ID: 167970009
Matrix: Surface Water
Collect Date: 25-JUL-06
Receive Date: 27-JUL-06
Collector: Client

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Metals Analysis-ICP-MS								
6020/3005 MIMICP App I Metals								
Antimony	<	0.030	mg/L	SW846 3005/6020	BAJ	08/06/06	1718	552500
Arsenic	<	0.010	mg/L					
Barium	<	0.500	mg/L					
Beryllium	<	0.002	mg/L					
Cadmium	<	0.005	mg/L					
Chromium	<	0.010	mg/L					
Cobalt	<	0.010	mg/L					
Copper	<	0.200	mg/L					
Lead	<	0.010	mg/L					
Nickel	<	0.050	mg/L					
Selenium	<	0.020	mg/L					
Silver	<	0.010	mg/L					
Thallium	<	0.010	mg/L					
Vanadium	<	0.040	mg/L					
Zinc	<	0.050	mg/L					
Volatile Organics								
5035/8260B App. I Liquid								
1,1,1,2-Tetrachloroethane	<	5.00	ug/L	SW846 8260B	JEB	08/05/06	0055	555030
1,1,1-Trichloroethane	<	5.00	ug/L					
1,1,2,2-Tetrachloroethane	<	5.00	ug/L					
1,1,2-Trichloroethane	<	5.00	ug/L					
1,1-Dichloroethane	<	5.00	ug/L					
1,1-Dichloroethylene	<	5.00	ug/L					
1,2,3-Trichloropropane	<	1.00	ug/L					
1,2-Dibromo-3-chloropropane	<	2.00	ug/L					
1,2-Dibromoethane	<	1.00	ug/L					
1,2-Dichlorobenzene	<	5.00	ug/L					
1,2-Dichloroethane	<	1.00	ug/L					
1,2-Dichloropropane	<	1.00	ug/L					
1,4-Dichlorobenzene	<	5.00	ug/L					
2-Butanone	<	100	ug/L					
2-Hexanone	<	50.0	ug/L					
4-Methyl-2-pentanone	<	100	ug/L					
Acetone	<	100	ug/L					
Acrylonitrile	<	200	ug/L					

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : General Engineering & Environmental, LLC
Address : 111 Smith Hines Road
Suite J
Greenville, South Carolina 29607

Report Date: August 10, 2006

Contact: Gary Dalton
Project: **Republic Services, Inc. - JMN LF**

Client Sample ID: SW-4
Sample ID: 167970009

Project: RPBL00206C
Client ID: GEEL003

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B App. I Liquid								
Benzene	<	1.00	ug/L					
Bromochloromethane	<	5.00	ug/L					
Bromodichloromethane	<	1.00	ug/L					
Bromoform	<	2.00	ug/L					
Bromomethane	<	10.0	ug/L					
Carbon disulfide	<	700	ug/L					
Carbon tetrachloride	<	2.00	ug/L					
Chlorobenzene	<	5.00	ug/L					
Chloroethane	<	10.0	ug/L					
Chloroform	<	1.00	ug/L					
Chloromethane	<	2.60	ug/L					
Dibromochloromethane	<	5.00	ug/L					
Dibromomethane	<	10.0	ug/L					
Ethylbenzene	<	5.00	ug/L					
Iodomethane	<	10.0	ug/L					
Methylene chloride	<	10.0	ug/L					
Styrene	<	10.0	ug/L					
Tetrachloroethylene	<	1.00	ug/L					
Toluene	<	5.00	ug/L					
Trichloroethylene	<	2.00	ug/L					
Trichlorofluoromethane	<	5.00	ug/L					
Vinyl acetate	<	50.0	ug/L					
Vinyl chloride	<	1.00	ug/L					
Xylenes (total)	<	5.00	ug/L					
cis-1,2-Dichloroethylene	<	5.00	ug/L					
cis-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,2-Dichloroethylene	<	5.00	ug/L					
trans-1,3-Dichloropropylene	<	10.0	ug/L					
trans-1,4-Dichloro-2-butene	<	100	ug/L					

The above sample is reported on an "as received" basis.

Page: _____ of _____
Project #: RPB600206C
GEL Quote #:
COC Number (1):
PO Number:

GEL Chain of Custody and Analytical Request

General Engineering Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: REPUBLIC SERVICES Phone #:
Project/Site Name: JRN LANDFILL Fax #:
Address: 345 ROSEBOROUGH RD GROVER, N.C
Collected by: COMBS Send Results To: GARY DALTON

Sample Analysis Requested (5) (Fill in the number of containers for each test)

	Sample ID (167970%)	Date Collected (mm-dd-yy)	Time Collected (Military) (hhmm)	QC Code (1)	Field Filtered (3)	Sample Matrix (4)	Radioactive	TSCA Regulated	Total number of containers	NC APP 2 VOCs (HA)	NC APP 2 METALS (NI)									<-- Preservative Type (6)	Comments Note: extra sample is required for sample specific QC
001	MW-1B	7-25-06	14:57	N	N	GW	N	N	4	3	1										
002	MW-1C	7-25-06	14:50	N	N	GW	N	N	4	3	1										
003	MW-4	7-25-06	16:20	N	N	GW	N	N	4	3	1										
004	MW-5	7-25-06	16:10	N	N	GW	N	N	4	3	1										
005	MW-6	7-25-06	15:50	N	N	GW	N	N	4	3	1										
006	MW-7A	7-25-06	15:30	N	N	GW	N	N	4	3	1										
007	MW-8	7-25-06	14:35	N	N	GW	N	N	4	3	1										
008	FIELD BLANK	7-25-06	14:30	N	N	DI	N	N	4	3	1										

TAT Requested: Normal: ✓ Rush: _____ Specify: _____ (Subject to Surcharge) Fax Results: Yes / No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: *Are there any known hazards applicable to these samples? If so, please list the hazards*

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1			1 [signature]	7-27-06	1020
2			2		
3			3		

Sample Shipping and Delivery Details

GEL PM: GARY DALTON
Method of Shipment: Date Shipped:
Airbill #:
Airbill #:

1.) Chain of Custody Number = Client Determined
2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.
4.) Matrix Codes: DW = Drinking Water, GW = Groundwater, SW = Surface Water, WW = Waste Water, W = Water, SO = Soil, SD = Sediment, SL = Sludge, SS = Solid Waste, O = Oil, F = Filter, P = Wipe, U = Urine, F = Fecal, N = Nasal
5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. *8260B* - 3, *6010B/7470A* - 1).
6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

For Lab Receiving Use Only
Custody Seal Intact? YES NO
Cooler Temp: 4 C

WHITE = LABORATORY YELLOW = FILE PINK = CLIENT

Page: _____ of _____
Project #: RPBLOC206C
GEL Quote #:
COC Number (1):
PO Number:

GEL Chain of Custody and Analytical Request

General Engineering Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: REPUBLIC SERVICES Phone #:
Project/Site Name: JMN LANDFILL Fax #:
Address: 345 ROSEBOROUGH RD GLOVER. N.C
Collected by: COMBS Send Results To: GARY DALTON

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID	Date Collected (mm-dd-yy)	Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Radioactive	TSCA Regulated	Total number of containers	NC APPL VOC'S HA	NC APPL METALS NI										<-- Preservative Type (6)	Comments Note: extra sample is required for sample specific QC
167970 JC ~~SW-3~~ DRY	DNS		~~G~~	~~N~~	~~SW~~	~~N~~	~~N~~	~~4~~	~~3~~	~~1~~	JC										
009 SW-4	7-25-06	16:40	G	N	SW	N	N	4	3	1											

TAT Requested: Normal: ✓ Rush: _____ Specify: _____ (Subject to Surcharge) Fax Results: Yes / No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: *Are there any known hazards applicable to these samples? If so, please list the hazards*

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1			1 [signature]	7-27-06	1020
2			2		
3			3		

Sample Shipping and Delivery Details

GEL PM: GARY DALTON
Method of Shipment: Date Shipped:
Airbill #:
Airbill #:

1.) Chain of Custody Number = Client Determined
2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.
4.) Matrix Codes: DW = Drinking Water, GW = Groundwater, SW = Surface Water, WW = Waste Water, W = Water, SO = Soil, SD = Sediment, SL = Sludge, SS = Solid Waste, O = Oil, F = Filter, P = Wipe, U = Urine, F = Fecal, N = Nasal
5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).
6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

For Lab Receiving Use Only
Custody Seal Intact? YES NO
Cooler Temp: 7 C

WHITE = LABORATORY YELLOW = FILE PINK = CLIENT

Field Data Information Sheet for Ground-Water Sampling

General Engineering Environmental, LLC
2040 Savage Road
Charleston, SC 29414

Page ___ of ___

Date (mm/dd/yy) 7-25-06
Field Personnel Joe Combs
Facility Name JMN Landfill RPBL00206C
EPA I.D.# ___ Well I.D # MW-1B
Upgradient ___ Downgradient ___ Upright ___ Flush Mount ___
Weather Conditions: Rain / Clear / Windy / Cloudy / Hot / Cold
Air Temperature ___ °C Proj. Mgr. GAP
Total Well Depth (TWD) = 63.00 Casing / Protective Casing
Depth to Groundwater (DGW)= 49.50 Casing / Protective Casing
Length of Water Column LWC) = TWD-DGW = 13.50 1/100 ft.
1 Casing Volume (OCV) = LWC x 0.163 / 0.652 = 2.20 gallons
3 Casing Volumes = 6.60 gal = Standard Evacuation Volume
Method of Well Evacuation TEFLON BAILER
Method of Sample Collection TEFLON BAILER
Total Volume of Water Removed 7.00 gallons

Casing Diameter 2 or 4 inches
Casing Material PVC
Measuring Point Elevation: ___ 1/100 ft.
Steel Guard Pipe Around Casing YES ___ NO ___
Locking Cap YES ___ NO ___
Protective Abutment YES ___ NO ___
Well Integrity Satisfactory YES ___ NO ___
Well Yeild (Circle) Low ___ Moderate ___ High ___

Calibration Information

For pH meter calibration see log page# ___
For Specific Conductivity meter calibration see log page #

Comments: ___

FIELD ANALYSIS

Volume Purged (gallons)	2.5	5.00	7.0		SAMPLE		
Time (military)	10:57	11:04	11:10		14:57		
pH (s.u.)	5.7	5.9	5.9		6.0		
Specific Cond. (µmhos/cm)	73.9	76.3	84.4		106.7		
Water Temp (°C)	18.6	18.6	19.3		21.6		
Turbidity (NTU**)/Odor**	>1000	884 NTU	609 NTU	/	283 NTU	/	/

Sample Time: 14:57 Sample Date: 7-25-06 Sampled By: JC Reviewed By: ___

COMMENTS/OBSERVATIONS: CH4 = 0 CL = 0.26

** Subjective

fldinfo 2/88

Field Data Information Sheet for Ground-Water Sampling

Page ___ of ____

General Engineering Environmental, LLC
2040 Savage Road
Charleston, SC 29414

Date (mm/dd/yy) 7-25-06
Field Personnel Joe Combs
Facility Name JMN Landfill RPBL00206C
EPA I.D.# ____ Well I.D # MW-16
Upgradient ___ Downgradient ___ Upright ✓ Flush Mount ___
Weather Conditions: Rain / Clear / Windy / Cloudy / Hot / Cold
Air Temperature ____ °C Proj. Mgr. GAO
Total Well Depth (TWD) = 78.00 Casing / Protective Casing
Depth to Groundwater (DGW)= 47.22 Casing / Protective Casing
Length of Water Column LWC) = TWD-DGW = 30.78 1/100 ft.
1 Casing Volume (OCV) = LWC x 0.163 / 0.652 = 5.0 gallons
3 Casing Volumes = 15.00 gal = Standard Evacuation Volume
Method of Well Evacuation TEFLON BAILER
Method of Sample Collection TEFLON BAILER
Total Volume of Water Removed 15.00 gallons

Casing Diameter 2 or 4 inches
Casing Material PVC
Measuring Point Elevation: ____ 1/100 ft.
Steel Guard Pipe Around Casing YES ✓ NO ___
Locking Cap YES ✓ NO ___
Protective Abutment YES ✓ NO ___
Well Integrity Satisfactory YES ✓ NO ___
Well Yeild (Circle) Low ___ Moderate ✓ High ___

Calibration Information

For pH meter calibration see log page# ____
For Specific Conductivity meter calibration see log page #

Comments: ____

FIELD ANALYSIS

Volume Purged (gallons)	5.00	10.00	15.00		SAMPLE		
Time (military)	10:10	10:25	10:40		14:50		
pH (s.u.)	6.2	6.2	6.2		6.2		
Specific Cond. (µmhos/cm)	200.0	203	204		206.9		
Water Temp (°C)	18.1	18.1	18.0		22.2		
Turbidity (NTU**)/Odor**	39.1/NTU	34.1/NTU	28.4/NTU	/	22.4 NTU	/	/

Sample Time: 14:50 Sample Date: 7-25-06 Sampled By: JC Reviewed By: ____

COMMENTS/OBSERVATIONS: CH4 = -0- CL = 0.08

** Subjective

fldinfo 2/88

Field Data Information Sheet for Ground-Water Sampling

General Engineering Environmental, LLC
2040 Savage Road
Charleston, SC 29414

Page ___ of ___

Date (mm/dd/yy) 7-25-06
Field Personnel Joe Combs
Facility Name JMN Landfill RPBL00206C
EPA I.D.# ____ Well I.D # MW-4
Upgradient ___ Downgradient ___ Upright ✓ Flush Mount ___
Weather Conditions: Rain Clear Windy / Cloudy / Hot / Cold
Air Temperature ____ °C Proj. Mgr. CAD
Total Well Depth (TWD) = 17.50 Casing / Protective Casing
Depth to Groundwater (DGW)= 6.61 Casing / Protective Casing
Length of Water Column LWC) = TWD-DGW = 10.89 1/100 ft.
1 Casing Volume (OCV) = LWC x 0.163 / 0.652 = 1.77 gallons
3 Casing Volumes = 5.32 gal = Standard Evacuation Volume
Method of Well Evacuation TEFLON BAILER
Method of Sample Collection TEFLON BAILER
Total Volume of Water Removed 5.50 gallons

Casing Diameter 2 or 4 inches
Casing Material PVC
Measuring Point Elevation: ____ 1/100 ft.
Steel Guard Pipe Around Casing YES ✓ NO ___
Locking Cap YES ✓ NO ___
Protective Abutment YES ✓ NO ___
Well Integrity Satisfactory YES ✓ NO ___
Well Yeild (Circle) Low ___ Moderate ✓ High ___

Calibration Information

For pH meter calibration see log page# ____
For Specific Conductivity meter calibration see log page #

Comments: ____

FIELD ANALYSIS

Volume Purged (gallons)	1.75	3.50	5.50		SAMPLE		
Time (military)	12:45	12:50	12:55		16:20		
pH (s.u.)	6.4	6.4	6.3		6.1		
Specific Cond. (µmhos/cm)	367.4	356.6	355.9		175.7		
Water Temp (°C)	21.2	20.2	19.4		23.3		
Turbidity (NTU**)/Odor**	71 cob NTU	200/NTU	291 NTU	/	56.6/NTU	/	/

Sample Time: 16:20 Sample Date: 7-25-06 Sampled By: JC Reviewed By: ____

COMMENTS/OBSERVATIONS: CHY = -0- CL = 0.46

** Subjective

fldinfo 2/88

Field Data Information Sheet for Ground-Water Sampling

General Engineering Environmental, LLC
2040 Savage Road
Charleston, SC 29414

Page ___ of ___

Date (mm/dd/yy): 7-25-06
Field Personnel: Joe Combs
Facility Name: JMN Landfill RPBL00206C
EPA I.D.#: _____ Well I.D #: MW-5
Upgradient ___ Downgradient ___ Upright ✓ Flush Mount ___
Weather Conditions: Rain / Clear / Windy / (Cloudy) / Hot / Cold
Air Temperature: ___ °C Proj. Mgr. CAO
Total Well Depth (TWD) = 25.50 Casing / Protective Casing
Depth to Groundwater (DGW)= 16.82 Casing / Protective Casing
Length of Water Column LWC) = TWD-DGW = 8.68 1/100 ft.
1 Casing Volume (OCV) = LWC x (0.163) / 0.652 = 1.41 gallons
3 Casing Volumes = 4.24 gal = Standard Evacuation Volume
Method of Well Evacuation: TEFLON BAILER
Method of Sample Collection: TEFLON BAILER
Total Volume of Water Removed: 4.50 gallons

Casing Diameter: (2) or 4 inches
Casing Material: PVC
Measuring Point Elevation: _____ 1/100 ft.
Steel Guard Pipe Around Casing: YES ✓ NO ___
Locking Cap: YES ✓ NO ___
Protective Abutment: YES ✓ NO ___
Well Integrity Satisfactory: YES ✓ NO ___
Well Yeild (Circle): Low ___ Moderate ✓ High ___

Calibration Information

For pH meter calibration see log page# ___
For Specific Conductivity meter calibration see log page #

Comments: _____

FIELD ANALYSIS

Volume Purged (gallons)	1.50	3.00	4.50		SAMPLE		
Time (military)	12:20	12:25	12:30		16:10		
pH (s.u.)	5.4	5.4	5.4		5.6		
Specific Cond. (µmhos/cm)	306.0	305.1	307.6		341.3		
Water Temp (°C)	19.0	18.4	18.4		19.9		
Turbidity (NTU**)/Odor**	765 NTU	925 NTU	663 NTU	/	38.6 NTU	/	/

Sample Time: 16:10 Sample Date: 7-25-06 Sampled By: JC Reviewed By: _____

COMMENTS/OBSERVATIONS: CHY = -0- CL = 0.30

** Subjective

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Field Data Information Sheet for Ground-Water Sampling

General Engineering Environmental, LLC
2040 Savage Road
Charleston, SC 29414

Date (mm/dd/yy): 7-25-06
Field Personnel: Joe Combs
Facility Name: JMN Landfill RPBL00206C
EPA I.D.#: _____ Well I.D #: mw-6A
Upgradient ___ Downgradient ___ Upright ✓ Flush Mount ___
Weather Conditions: Rain / Clear / Windy / Cloudy / Hot / Cold
Air Temperature: ___ °C Proj. Mgr. CAD
Total Well Depth (TWD) = 39.90 Casing / Protective Casing
Depth to Groundwater (DGW)= 31.30 Casing / Protective Casing
Length of Water Column LWC) = TWD-DGW = 8.60 1/100 ft.
1 Casing Volume (OCV) = LWC x 0.163 / 0.652 = 1.40 gallons
3 Casing Volumes = 4.20 gal = Standard Evacuation Volume
Method of Well Evacuation: TEFLON BAILER
Method of Sample Collection: TEFLON BAILER
Total Volume of Water Removed: 4.50 gallons

Casing Diameter: 2 or 4 inches
Casing Material: PVC
Measuring Point Elevation: ___ 1/100 ft.
Steel Guard Pipe Around Casing: YES ✓ NO ___
Locking Cap: YES ✓ NO ___
Protective Abutment: YES ✓ NO ___
Well Integrity Satisfactory: YES ✓ NO ___
Well Yeild (Circle): Low ___ Moderate ✓ High ___

Calibration Information

For pH meter calibration see log page# ___
For Specific Conductivity meter calibration see log page #

Comments: * BROKEN MINOCEX

FIELD ANALYSIS

Volume Purged (gallons)	1.50	3.00	4.50		SAMPLE		
Time (military)	11:47	11:55	1203		15:50		
pH (s.u.)	6.1	6.1	6.1		6.1		
Specific Cond. (µmhos/cm)	421.4	423.0	425.1		479		
Water Temp (°C)	19.3	18.8	18.4		21.4		
Turbidity (NTU**)/Odor**	16.2/NTU	12.2 NTU	7.71/NTU	/	2.64 NTU	/	/

Sample Time: 15:50 Sample Date: 7-25-06 Sampled By: JC Reviewed By: ___

COMMENTS/OBSERVATIONS: CH4 = -0- CL = 0.10

** Subjective

Field Data Information Sheet for Ground-Water Sampling

General Engineering Environmental, LLC
2040 Savage Road
Charleston, SC 29414

Page ___ of ___

Date (mm/dd/yy): 7-25-06
Field Personnel: Joe Combs
Facility Name: JMN Landfill RPBL00206C
EPA I.D.#: ___ Well I.D #: mw-7A
Upgradient ___ Downgradient ___ Upright ✓ Flush Mount ___
Weather Conditions: Rain / Clear / Windy / Cloudy / Hot / Cold
Air Temperature: ___ °C Proj. Mgr. GAD
Total Well Depth (TWD) = 46.25 Casing / Protective Casing
Depth to Groundwater (DGW)= 35.56 Casing / Protective Casing
Length of Water Column LWC) = TWD-DGW = 10.69 1/100 ft.
1 Casing Volume (OCV) = LWC x 0.163 / 0.652 = 1.74 gallons
3 Casing Volumes = 5.22 gal = Standard Evacuation Volume
Method of Well Evacuation: TEFLON BAILER
Method of Sample Collection: TEFLON BAILER
Total Volume of Water Removed: 5.25 gallons

Casing Diameter: 2 or 4 inches
Casing Material: PVC
Measuring Point Elevation: ___ 1/100 ft.
Steel Guard Pipe Around Casing: YES ✓ NO ___
Locking Cap: YES ✓ NO ___
Protective Abutment: YES ✓ NO ___
Well Integrity Satisfactory: YES ✓ NO ___
Well Yeild (Circle): Low ___ Moderate ✓ High ___

Calibration Information

For pH meter calibration see log page# ___
For Specific Conductivity meter calibration see log page # ___

Comments: ___

FIELD ANALYSIS

Volume Purged (gallons)	1.75	3.50	5.25		SAMPLE		
Time (military)	11:26	11:32	11:37		15:30		
pH (s.u.)	5.1	5.2	5.3		5.2		
Specific Cond. (µmhos/cm)	155.3	153.4	162.9		149.6		
Water Temp (°C)	18.7	18.1	18.9		21.6		
Turbidity (NTU**)/Odor**	364 NTU	141 NTU	267 NTU	/	8.18 NTU	/	/

Sample Time: 15:30 Sample Date: 7-25-06 Sampled By: JC Reviewed By: ___

COMMENTS/OBSERVATIONS: CHY = 0. CC = 0.09

** Subjective

fldinfo 2/88

Field Data Information Sheet for Ground-Water Sampling

General Engineering Environmental, LLC
2040 Savage Road
Charleston, SC 29414

Page ___ of ____

Date (mm/dd/yy)	7-25-06
Field Personnel	Joe Combs
Facility Name	JMN Landfill RPBL00206C
EPA I.D.#	Well I.D # mw-8
Upgradient ___	Downgradient ___ Upright ✓ Flush Mount ___
Weather Conditions:	Rain / Clear / Windy / Cloudy / Hot / Cold
Air Temperature	°C Proj. Mgr. CAD
Total Well Depth (TWD) =	57.00 Casing / Protective Casing
Depth to Groundwater (DGW)=	46.21 Casing / Protective Casing
Length of Water Column LWC) = TWD-DGW =	7.79 1/100 ft.
1 Casing Volume (OCV) = LWC x 0.163 / 0.652	= 1.27 gallons
3 Casing Volumes =	3.80 gal = Standard Evacuation Volume
Method of Well Evacuation	TEFLON BAILER
Method of Sample Collection	TEFLON BAILER
Total Volume of Water Removed	4.50 gallons

Casing Diameter	2 or 4 inches
Casing Material	PVC
Measuring Point Elevation:	1/100 ft.
Steel Guard Pipe Around Casing	YES ✓ NO ___
Locking Cap	YES ✓ NO ___
Protective Abutment	YES ✓ NO ___
Well Integrity Satisfactory	YES ✓ NO ___
Well Yeild (Circle)	Low ___ Moderate ___ High ___

Calibration Information

For pH meter calibration see log page# ___

For Specific Conductivity meter calibration see log page #

Comments:

FIELD ANALYSIS

Volume Purged (gallons)	1.5	3.0	4.5		SAMPLE		
Time (military)	09:15	09:20	09:25		14:35		
pH (s.u.)	5.0	5.2	5.1		5.4		
Specific Cond. (µmhos/cm)	47.5	45.1	42.3		51.3		
Water Temp (°C)	18.6	18.6	18.4		22.4		
Turbidity (NTU**)/Odor**	52.9/NTU	46.5 NTU	55.9 NTU	/	34.5/NTU	/	/

Sample Time: 14:35 Sample Date: 7-25-06 Sampled By: JC Reviewed By: ___

COMMENTS/OBSERVATIONS: CH4 = -0- CL = 0.21

** Subjective

fldinfo 2/88

General Engineering and Environmental, LLC
Grab Sample Data Sheet

Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)
SW-4	7-25-06 16:40	6.5	27.6	47.1	—	121 NTU
Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)
Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)
Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)
Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)
Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)
Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)
Location/Outfall	Date/Time	pH (SU)	Temp (°C)	Conductance (µs/cm)	DO (mg/L)	Turbidity (NTU)

Client: Jim Landfill Project Code: 2PBccc2cc

Sample Date: _____ Sample Time: _____

Tech: Combs Int. JC Reviewed By: _____

Calibration Information

For pH meter Calibration see log page # _____

For Specific Conductivity meter Calibration see log page # _____

For Dissolved Oxygen meter calibration see log page # NA

Comments _____

APPENDIX IV

Groundwater Statistical Analysis Results

Concentrations (ppb)
Parameter: Chromium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Measurements: 88
Total Non-Detect: 85
Percent Non-Detects: 96.5909%
Total Background Measurements: 26
There are 2 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-1B	13	10 (76.9231%)	7/17/2001	ND<10	ND<10
			9/25/2001	ND<10	ND<10
			11/27/2001	ND<10	ND<10
			1/23/2002	ND<10	ND<10
			7/16/2002	ND<10	ND<10
			1/29/2003	7.14	7.14
			7/29/2003	157	157
			1/14/2004	ND<10	ND<10
			7/7/2004	ND<10	ND<10
			1/26/2005	ND<10	ND<10
			7/20/2005	ND<10	ND<10
			1/20/2006	ND<10	ND<10
			7/25/2006	23.2	23.2
MW-1C	13	13 (100%)	7/17/2001	ND<10	ND<10
			9/25/2001	ND<10	ND<10
			11/27/2001	ND<10	ND<10
			1/23/2002	ND<10	ND<10
			7/16/2002	ND<10	ND<10
			1/29/2003	ND<5	ND<5
			7/29/2003	ND<5	ND<5
			1/14/2004	ND<10	ND<10
			7/7/2004	ND<10	ND<10
			1/26/2005	ND<10	ND<10
			7/20/2005	ND<10	ND<10
			1/20/2006	ND<10	ND<10
			7/25/2006	ND<10	ND<10

There are 5 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-4	13	13 (100%)	7/17/2001	ND<10	ND<10
			9/25/2001	ND<10	ND<10
			11/27/2001	ND<10	ND<10
			1/23/2002	ND<10	ND<10
			7/16/2002	ND<10	ND<10
			1/29/2003	ND<5	ND<5
			7/29/2003	ND<5	ND<5
			1/14/2004	ND<10	ND<10
			7/7/2004	ND<10	ND<10
			1/26/2005	ND<10	ND<10
			7/20/2005	ND<10	ND<10
			1/20/2006	ND<10	ND<10

			7/25/2006	ND<10	ND<10
MW-5	13	13 (100%)	7/17/2001	ND<10	ND<10
			9/25/2001	ND<10	ND<10
			11/27/2001	ND<10	ND<10
			1/23/2002	ND<10	ND<10
			7/16/2002	ND<10	ND<10
			1/29/2003	ND<5	ND<5
			7/29/2003	ND<5	ND<5
			1/14/2004	ND<10	ND<10
			7/7/2004	ND<10	ND<10
			1/26/2005	ND<10	ND<10
			7/20/2005	ND<10	ND<10
			1/20/2006	ND<10	ND<10
			7/25/2006	ND<10	ND<10
MW-6A	12	12 (100%)	7/17/2001	ND<10	ND<10
			9/25/2001	ND<10	ND<10
			11/27/2001	ND<10	ND<10
			1/23/2002	ND<10	ND<10
			7/16/2002	ND<10	ND<10
			7/29/2003	ND<5	ND<5
			1/14/2004	ND<10	ND<10
			7/7/2004	ND<10	ND<10
			1/26/2005	ND<10	ND<10
			7/20/2005	ND<10	ND<10
			1/20/2006	ND<10	ND<10
			7/25/2006	ND<10	ND<10
MW-7A	13	13 (100%)	7/17/2001	ND<10	ND<10
			9/25/2001	ND<10	ND<10
			11/27/2001	ND<10	ND<10
			1/23/2002	ND<10	ND<10
			7/16/2002	ND<10	ND<10
			1/29/2003	ND<5	ND<5
			7/29/2003	ND<5	ND<5
			1/14/2004	ND<10	ND<10
			7/7/2004	ND<10	ND<10
			1/26/2005	ND<10	ND<10
			7/20/2005	ND<10	ND<10
			1/20/2006	ND<10	ND<10
			7/25/2006	ND<10	ND<10
MW-8	11	11 (100%)	7/17/2001	ND<10	ND<10
			9/25/2001	ND<10	ND<10
			11/27/2001	ND<10	ND<10
			1/23/2002	ND<10	ND<10
			7/16/2002	ND<10	ND<10
			1/29/2003	ND<5	ND<5
			8/31/2004	ND<10	ND<10
			1/26/2005	ND<10	ND<10
			7/20/2005	ND<10	ND<10
			1/20/2006	ND<10	ND<10
			7/25/2006	ND<10	ND<10

There are 0 unused locations

Poisson Tolerance Limit

Parameter: Chromium, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Poisson Count of 26 background measurements = 407.34
Degrees of Freedom = 816

95% Confidence Values

Chi-Squared Value (95% Confidence) = 883.566
Lambda (from Zack's formula) = 16.9917
Smallest Degrees of Freedom = 50
Upper Tolerance Limit (95%) = 24

99% Confidence Values

Chi-Squared Value (99% Confidence) = 912.911
Lambda (from Zack's formula) = 17.556
Smallest Degrees of Freedom = 57
Upper Tolerance Limit (99%) = 27.5

	Date	Conc.	Significant 95%	Significant 99%
MW-4	7/17/2001	ND<10	FALSE	FALSE
	9/25/2001	ND<10	FALSE	FALSE
	11/27/2001	ND<10	FALSE	FALSE
	1/23/2002	ND<10	FALSE	FALSE
	7/16/2002	ND<10	FALSE	FALSE
	1/29/2003	ND<5	FALSE	FALSE
	7/29/2003	ND<5	FALSE	FALSE
	1/14/2004	ND<10	FALSE	FALSE
	7/7/2004	ND<10	FALSE	FALSE
	1/26/2005	ND<10	FALSE	FALSE
	7/20/2005	ND<10	FALSE	FALSE
	1/20/2006	ND<10	FALSE	FALSE
	7/25/2006	ND<10	FALSE	FALSE
MW-5	7/17/2001	ND<10	FALSE	FALSE
	9/25/2001	ND<10	FALSE	FALSE
	11/27/2001	ND<10	FALSE	FALSE
	1/23/2002	ND<10	FALSE	FALSE
	7/16/2002	ND<10	FALSE	FALSE
	1/29/2003	ND<5	FALSE	FALSE
	7/29/2003	ND<5	FALSE	FALSE
	1/14/2004	ND<10	FALSE	FALSE
	7/7/2004	ND<10	FALSE	FALSE
	1/26/2005	ND<10	FALSE	FALSE
	7/20/2005	ND<10	FALSE	FALSE
	1/20/2006	ND<10	FALSE	FALSE
	7/25/2006	ND<10	FALSE	FALSE
MW-6A	7/17/2001	ND<10	FALSE	FALSE
	9/25/2001	ND<10	FALSE	FALSE
	11/27/2001	ND<10	FALSE	FALSE
	1/23/2002	ND<10	FALSE	FALSE
	7/16/2002	ND<10	FALSE	FALSE

	7/29/2003	ND<5	FALSE	FALSE
	1/14/2004	ND<10	FALSE	FALSE
	7/7/2004	ND<10	FALSE	FALSE
	1/26/2005	ND<10	FALSE	FALSE
	7/20/2005	ND<10	FALSE	FALSE
	1/20/2006	ND<10	FALSE	FALSE
	7/25/2006	ND<10	FALSE	FALSE
MW-7A	7/17/2001	ND<10	FALSE	FALSE
	9/25/2001	ND<10	FALSE	FALSE
	11/27/2001	ND<10	FALSE	FALSE
	1/23/2002	ND<10	FALSE	FALSE
	7/16/2002	ND<10	FALSE	FALSE
	1/29/2003	ND<5	FALSE	FALSE
	7/29/2003	ND<5	FALSE	FALSE
	1/14/2004	ND<10	FALSE	FALSE
	7/7/2004	ND<10	FALSE	FALSE
	1/26/2005	ND<10	FALSE	FALSE
	7/20/2005	ND<10	FALSE	FALSE
	1/20/2006	ND<10	FALSE	FALSE
	7/25/2006	ND<10	FALSE	FALSE
MW-8	7/17/2001	ND<10	FALSE	FALSE
	9/25/2001	ND<10	FALSE	FALSE
	11/27/2001	ND<10	FALSE	FALSE
	1/23/2002	ND<10	FALSE	FALSE
	7/16/2002	ND<10	FALSE	FALSE
	1/29/2003	ND<5	FALSE	FALSE
	8/31/2004	ND<10	FALSE	FALSE
	1/26/2005	ND<10	FALSE	FALSE
	7/20/2005	ND<10	FALSE	FALSE
	1/20/2006	ND<10	FALSE	FALSE
	7/25/2006	ND<10	FALSE	FALSE

Concentrations (ppb)

Parameter: Benzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Measurements: 88
Total Non-Detect: 82
Percent Non-Detects: 93.1818%
Total Background Measurements: 26
There are 2 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-1B	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<1	ND<1
			7/7/2004	ND<1	ND<1
			1/26/2005	ND<1	ND<1
			7/20/2005	ND<1	ND<1
			1/20/2006	ND<1	ND<1
			7/25/2006	ND<1	ND<1
MW-1C	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<1	ND<1
			7/7/2004	ND<1	ND<1
			1/26/2005	ND<1	ND<1
			7/20/2005	ND<1	ND<1
			1/20/2006	ND<1	ND<1
			7/25/2006	ND<1	ND<1

There are 5 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-4	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<1	ND<1
			7/7/2004	ND<1	ND<1
			1/26/2005	ND<1	ND<1
			7/20/2005	ND<1	ND<1
			1/20/2006	ND<1	ND<1

			7/25/2006	ND<1	ND<1
MW-5	13	8 (61.5385%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	1.03	1.03
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<1	ND<1
			7/7/2004	1.04	1.04
			1/26/2005	ND<1	ND<1
			7/20/2005	1.1	1.1
			1/20/2006	1.17	1.17
			7/25/2006	1.08	1.08
MW-6A	12	12 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<1	ND<1
			7/7/2004	ND<1	ND<1
			1/26/2005	ND<1	ND<1
			7/20/2005	ND<1	ND<1
			1/20/2006	ND<1	ND<1
			7/25/2006	ND<1	ND<1
MW-7A	13	12 (92.3077%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<1	ND<1
			7/7/2004	ND<1	ND<1
			1/26/2005	ND<1	ND<1
			7/20/2005	ND<1	ND<1
			1/20/2006	ND<1	ND<1
			7/25/2006	1.03	1.03
MW-8	11	11 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			8/31/2004	ND<1	ND<1
			1/26/2005	ND<1	ND<1
			7/20/2005	ND<1	ND<1
			1/20/2006	ND<1	ND<1
			7/25/2006	ND<1	ND<1

There are 0 unused locations

Poisson Tolerance Limit

Parameter: Benzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Poisson Count of 26 background measurements = 66
Degrees of Freedom = 134

95% Confidence Values

Chi-Squared Value (95% Confidence) = 162.016
Lambda (from Zack's formula) = 3.11568
Smallest Degrees of Freedom = 14
Upper Tolerance Limit (95%) = 6

99% Confidence Values

Chi-Squared Value (99% Confidence) = 174.996
Lambda (from Zack's formula) = 3.36531
Smallest Degrees of Freedom = 18
Upper Tolerance Limit (99%) = 8

	Date	Conc.	Significant 95%	Significant 99%
MW-4	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<1	FALSE	FALSE
	7/7/2004	ND<1	FALSE	FALSE
	1/26/2005	ND<1	FALSE	FALSE
	7/20/2005	ND<1	FALSE	FALSE
	1/20/2006	ND<1	FALSE	FALSE
	7/25/2006	ND<1	FALSE	FALSE
MW-5	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	1.03	FALSE	FALSE
	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<1	FALSE	FALSE
	7/7/2004	1.04	FALSE	FALSE
	1/26/2005	ND<1	FALSE	FALSE
	7/20/2005	1.1	FALSE	FALSE
	1/20/2006	1.17	FALSE	FALSE
	7/25/2006	1.08	FALSE	FALSE
MW-6A	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE

	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<1	FALSE	FALSE
	7/7/2004	ND<1	FALSE	FALSE
	1/26/2005	ND<1	FALSE	FALSE
	7/20/2005	ND<1	FALSE	FALSE
	1/20/2006	ND<1	FALSE	FALSE
	7/25/2006	ND<1	FALSE	FALSE
MW-7A	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<1	FALSE	FALSE
	7/7/2004	ND<1	FALSE	FALSE
	1/26/2005	ND<1	FALSE	FALSE
	7/20/2005	ND<1	FALSE	FALSE
	1/20/2006	ND<1	FALSE	FALSE
	7/25/2006	1.03	FALSE	FALSE
MW-8	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	8/31/2004	ND<1	FALSE	FALSE
	1/26/2005	ND<1	FALSE	FALSE
	7/20/2005	ND<1	FALSE	FALSE
	1/20/2006	ND<1	FALSE	FALSE
	7/25/2006	ND<1	FALSE	FALSE

Concentrations (ppb)
Parameter: Chlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Measurements: 88
Total Non-Detect: 80
Percent Non-Detects: 90.9091%
Total Background Measurements: 26
There are 2 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-1B	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5
MW-1C	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5

There are 5 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-4	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5

			7/25/2006	ND<5	ND<5
MW-5	13	7 (53.8462%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	2.2	2.2
			7/29/2003	ND<1	ND<1
			1/14/2004	5.26	5.26
			7/7/2004	6.85	6.85
			1/26/2005	ND<5	ND<5
			7/20/2005	7.01	7.01
			1/20/2006	12.1	12.1
			7/25/2006	11.3	11.3
MW-6A	12	12 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5
MW-7A	13	11 (84.6154%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	5.5	5.5
			7/29/2003	3.65	3.65
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5
MW-8	11	11 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			8/31/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5

There are 0 unused locations

Poisson Tolerance Limit

Parameter: Chlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Poisson Count of 26 background measurements = 114
Degrees of Freedom = 230

95% Confidence Values

Chi-Squared Value (95% Confidence) = 266.378
Lambda (from Zack's formula) = 5.12266
Smallest Degrees of Freedom = 20
Upper Tolerance Limit (95%) = 9

99% Confidence Values

Chi-Squared Value (99% Confidence) = 282.814
Lambda (from Zack's formula) = 5.43874
Smallest Degrees of Freedom = 25
Upper Tolerance Limit (99%) = 11.5

	Date	Conc.	Significant 95%	Significant 99%
MW-4	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<5	FALSE	FALSE
	7/7/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE
MW-5	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	2.2	FALSE	FALSE
	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	5.26	FALSE	FALSE
	7/7/2004	6.85	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	7.01	FALSE	FALSE
	1/20/2006	12.1	TRUE	TRUE
	7/25/2006	11.3	TRUE	FALSE
MW-6A	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE

	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<5	FALSE	FALSE
	7/7/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE
MW-7A	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	5.5	FALSE	FALSE
	7/29/2003	3.65	FALSE	FALSE
	1/14/2004	ND<5	FALSE	FALSE
	7/7/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE
MW-8	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	8/31/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Chlorobenzene

Location: MW-5

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total non detects is 33
Non detect rank is 17

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1B	7/17/2001	ND<5	17
	9/25/2001	ND<5	17
	11/27/2001	ND<5	17
	1/23/2002	ND<5	17
	7/16/2002	ND<5	17
	1/29/2003	ND<1	17
	7/29/2003	ND<1	17
	1/14/2004	ND<5	17
	7/7/2004	ND<5	17
	1/26/2005	ND<5	17
	7/20/2005	ND<5	17
	1/20/2006	ND<5	17
	7/25/2006	ND<5	17
MW-1C	7/17/2001	ND<5	17
	9/25/2001	ND<5	17
	11/27/2001	ND<5	17
	1/23/2002	ND<5	17
	7/16/2002	ND<5	17
	1/29/2003	ND<1	17
	7/29/2003	ND<1	17
	1/14/2004	ND<5	17
	7/7/2004	ND<5	17
	1/26/2005	ND<5	17
	7/20/2005	ND<5	17
	1/20/2006	ND<5	17
	7/25/2006	ND<5	17
MW-5	7/17/2001	ND<5	17
	9/25/2001	ND<5	17
	11/27/2001	ND<5	17
	1/23/2002	ND<5	17
	7/16/2002	ND<5	17
	1/29/2003	2.2	34
	7/29/2003	ND<1	17
	1/14/2004	5.26	35
	7/7/2004	6.85	36
	1/26/2005	ND<5	17
	7/20/2005	7.01	37
	1/20/2006	12.1	39
	7/25/2006	11.3	38

The Wilcoxon Statistic is 247

The Expected value is is 169
The Standard Deviation is 33.5659
The Z Score is 2.30889
The Standard Deviation adjusted for ties is 21.078
The Z Score adjusted for ties is 3.67683
2.30889 < 2.326 indicating no contamination at 1% significance level
3.67683 > 2.326 indicating possible contamination at 1% significance level when adjusted for ties

Concentrations (ppb)

Parameter: 1,2-Dichlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Measurements: 88
Total Non-Detect: 81
Percent Non-Detects: 92.0455%
Total Background Measurements: 26
There are 2 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-1B	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5
MW-1C	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5

There are 5 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-4	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5

			7/25/2006	ND<5	ND<5
MW-5	13	6 (46.1538%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	5.77	5.77
			7/29/2003	3.11	3.11
			1/14/2004	12.5	12.5
			7/7/2004	17.3	17.3
			1/26/2005	ND<5	ND<5
			7/20/2005	15.3	15.3
			1/20/2006	24	24
			7/25/2006	25.2	25.2
MW-6A	12	12 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5
MW-7A	13	13 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			7/29/2003	ND<1	ND<1
			1/14/2004	ND<5	ND<5
			7/7/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5
MW-8	11	11 (100%)	7/17/2001	ND<5	ND<5
			9/25/2001	ND<5	ND<5
			11/27/2001	ND<5	ND<5
			1/23/2002	ND<5	ND<5
			7/16/2002	ND<5	ND<5
			1/29/2003	ND<1	ND<1
			8/31/2004	ND<5	ND<5
			1/26/2005	ND<5	ND<5
			7/20/2005	ND<5	ND<5
			1/20/2006	ND<5	ND<5
			7/25/2006	ND<5	ND<5

There are 0 unused locations

Poisson Tolerance Limit

Parameter: 1,2-Dichlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Poisson Count of 26 background measurements = 114
Degrees of Freedom = 230

95% Confidence Values

Chi-Squared Value (95% Confidence) = 266.378
Lambda (from Zack's formula) = 5.12266
Smallest Degrees of Freedom = 20
Upper Tolerance Limit (95%) = 9

99% Confidence Values

Chi-Squared Value (99% Confidence) = 282.814
Lambda (from Zack's formula) = 5.43874
Smallest Degrees of Freedom = 25
Upper Tolerance Limit (99%) = 11.5

	Date	Conc.	Significant 95%	Significant 99%
MW-4	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<5	FALSE	FALSE
	7/7/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE
MW-5	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	5.77	FALSE	FALSE
	7/29/2003	3.11	FALSE	FALSE
	1/14/2004	12.5	TRUE	TRUE
	7/7/2004	17.3	TRUE	TRUE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	15.3	TRUE	TRUE
	1/20/2006	24	TRUE	TRUE
	7/25/2006	25.2	TRUE	TRUE
MW-6A	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE

	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<5	FALSE	FALSE
	7/7/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE
MW-7A	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	7/29/2003	ND<1	FALSE	FALSE
	1/14/2004	ND<5	FALSE	FALSE
	7/7/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE
MW-8	7/17/2001	ND<5	FALSE	FALSE
	9/25/2001	ND<5	FALSE	FALSE
	11/27/2001	ND<5	FALSE	FALSE
	1/23/2002	ND<5	FALSE	FALSE
	7/16/2002	ND<5	FALSE	FALSE
	1/29/2003	ND<1	FALSE	FALSE
	8/31/2004	ND<5	FALSE	FALSE
	1/26/2005	ND<5	FALSE	FALSE
	7/20/2005	ND<5	FALSE	FALSE
	1/20/2006	ND<5	FALSE	FALSE
	7/25/2006	ND<5	FALSE	FALSE

Wilcoxon Non-Parametric Analysis (Inter-Well)
Parameter: 1,2-Dichlorobenzene
Location: MW-5
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total non detects is 32
Non detect rank is 16.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1B	7/17/2001	ND<5	16.5
	9/25/2001	ND<5	16.5
	11/27/2001	ND<5	16.5
	1/23/2002	ND<5	16.5
	7/16/2002	ND<5	16.5
	1/29/2003	ND<1	16.5
	7/29/2003	ND<1	16.5
	1/14/2004	ND<5	16.5
	7/7/2004	ND<5	16.5
	1/26/2005	ND<5	16.5
	7/20/2005	ND<5	16.5
	1/20/2006	ND<5	16.5
	7/25/2006	ND<5	16.5
MW-1C	7/17/2001	ND<5	16.5
	9/25/2001	ND<5	16.5
	11/27/2001	ND<5	16.5
	1/23/2002	ND<5	16.5
	7/16/2002	ND<5	16.5
	1/29/2003	ND<1	16.5
	7/29/2003	ND<1	16.5
	1/14/2004	ND<5	16.5
	7/7/2004	ND<5	16.5
	1/26/2005	ND<5	16.5
	7/20/2005	ND<5	16.5
	1/20/2006	ND<5	16.5
	7/25/2006	ND<5	16.5
MW-5	7/17/2001	ND<5	16.5
	9/25/2001	ND<5	16.5
	11/27/2001	ND<5	16.5
	1/23/2002	ND<5	16.5
	7/16/2002	ND<5	16.5
	1/29/2003	5.77	34
	7/29/2003	3.11	33
	1/14/2004	12.5	35
	7/7/2004	17.3	37
	1/26/2005	ND<5	16.5
	7/20/2005	15.3	36
	1/20/2006	24	38
	7/25/2006	25.2	39

The Wilcoxon Statistic is 260

The Expected value is is 169
The Standard Deviation is 33.5659
The Z Score is 2.69619
The Standard Deviation adjusted for ties is 22.4609
The Z Score adjusted for ties is 4.02923
2.69619 > 2.326 indicating possible contamination at 1% significance level
4.02923 > 2.326 indicating possible contamination at 1% significance level when adjusted for ties