PREPARED FOR:

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

JMN/CLEVELAND CONTAINER LANDFILL
PERMIT NO. 23-02

SECOND SEMIANNUAL WATER QUALITY MONITORING REPORT OF 2012

SEPTEMBER 2012

***PREPARED BY*:**

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JOYCE PROJECT NO. 00865.1201.12.01

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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Joyce Engineering on behalf of Republic Services of NC, LLC

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

Name: G. Van Ness Burbach, Ph.D., P.G. Phone: (336) 323-0092

E-mail: Vburbach@joyceengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
JMN/Cleveland Container Landfill	345 Roseborough Road Grover, NC 28073	23-02	.0500	July 23-24, 2012

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

G. Van Ness Burbach, Ph.D., PG — Technical Consultant — (336) 323-0092

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

Signature — Date 9/12/12

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1349 GEOLOGIST G. VAN NESS BURBACH

2211 W. Meadowview Rd., Ste. 101 Greensboro, NC 27407

Facility Representative Address

C-0782

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

Executive Summary

This report presents the results of the Second semiannual groundwater and surface water monitoring event conducted at the JMN/Cleveland Container Landfill on July 23-24, 2012. Samples were collected by representatives from Joyce Engineering for groundwater monitoring wells and surface water monitoring points and submitted to Analytical Services, Inc. of Norcross, GA for analyses.

Three inorganic constituents (barium, chromium and mercury) and five organic constituents (chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, tetrachloroethene, and vinyl chloride) were reported at quantified concentrations above the Solid Waste Section Reporting Limits (SWSLs) in samples from one or more monitoring wells or surface water monitoring points during the July 2012 monitoring event. No other RCRA metals or NC Appendix I organic constituents were detected above SWSLs in groundwater or surface water during the July 2012 monitoring event.

Mercury in MW-7A, chromium in MW-1B, vinyl chloride and tetrachloroethene in MW-8 were detected at quantified concentrations above their respective NC 2L Groundwater Standards.
These detections are consistent with historical data. No other constituents detected at quantified concentrations above the SWSL in groundwater and surface water exceeded their respective NC 2L Groundwater Protection Standards or NC 2B Surface Water Standards.

Based on the results summarized herein, Republic Services of NC, LLC will continue monitoring the uppermost aquifer beneath the JMN/Cleveland Container Landfill in accordance with the requirements for industrial landfills as outlined in Title 15A NCAC 13B.0500.

Second Semiannual Water Quality Monitoring Report of 2012
JMN/Cleveland Container Landfill
Cleveland County, North Carolina

TABLE OF CONTENTS

1.0 INTRODUCTION.....1

1.1 Site Description and Background..... 1
1.2 Compliance Monitoring History..... 1
1.3 Hydrogeologic Setting..... 1

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION 2

2.1 Visual Inspection Program..... 2
2.2 Well Network and Groundwater Elevation Measurements 2
2.3 July 2012 Monitoring Event..... 3
2.4 Laboratory Analysis Program..... 3
2.5 July 2012 Sampling Results 4

3.0 LABORATORY AND FIELD QA/QC.....4

4.0 DATA EVALUTION.....5

5.0 CONCLUSIONS 5

6.0 REFERENCES.....5

Tables

Table 1	Summary of Historical Groundwater Elevations
Table 2	Summary of Well Construction Information
Table 3	Summary of Historical Groundwater Constituents/Analytes
Table 4	Summary of Historical Surface Water Constituents/Analytes

Drawing

Drawing No. 1	Potentiometric Surface Contour Map, July 23, 2012

Appendices

Appendix A	Groundwater and Surface Water Field Data Logs
Appendix B	July 2012 Laboratory Analytical Report

1.0 INTRODUCTION

The JMN/Cleveland Container Landfill is a closed industrial waste landfill maintained by Republic Services of North Carolina, LCC under Permit No. 23-02 issued by the North Carolina Department of Environment and Natural Resources (NCDENR). This report summarizes the groundwater and surface water monitoring results from the July 23-24, 2012 water quality monitoring event at the JMN/Cleveland Container Landfill in Cleveland County, North Carolina in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13 B .0500.

1.1 Site Description and Background

The JMN/Cleveland Container Industrial Landfill facility comprises approximately 175 acres and is located at 345 Roseborough Road, five miles northwest of the town of Grover, NC. The landfill is bounded to the west by Roseborough Road while the surrounding land use is primarily rural residential, silvicultural, and agricultural. Access to the facility is from Roseborough Road. The location of the facility is shown on the inlay of Drawing 1.

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

1.2 Compliance Monitoring History

Water quality monitoring at the facility was initiated in June 1997 under the Title 15A Subchapter 13B.0500 rules for industrial landfills. The facility's monitoring network is comprised of seven monitoring wells (MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A, and MW-8) which monitor the uppermost aquifer beneath the facility. Two surface water monitoring points are also monitored semiannually: upstream monitoring point SW-3 and downstream monitoring point SW-4. Based on the results of the laboratory analyses, Republic Services of NC, LLC continues to maintain compliance monitoring under Title 15A Subchapter 13B .0500 rules at this facility.

1.3 Hydrogeologic Setting

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

The groundwater beneath the facility is present in a shallow, unconfined aquifer comprised of partially weathered, fractured, meta-volcanic rock. Groundwater occurs at depths of

approximately 45-55 feet below grade along the northwestern, upgradient side of the waste disposal area, and at a depth of approximately 10-40 feet below grade along the perimeter downgradient boundary. Groundwater elevations obtained during the July 2012 monitoring event are summarized in Table 1 were used to prepare a potentiometric surface contour map as presented in Drawing 1. The groundwater flow in the uppermost aquifer beneath the site is towards the southeast and Buffalo Creek.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

Field activities conducted as part of the July 2012 monitoring event are discussed in the following sections.

2.1 Visual Inspection Program

In order to detect potential releases of leachate and/or landfill gas migration in a timely manner, a visual inspection program has been implemented at the JMN/Cleveland Container Landfill. This inspection program involves field personnel making the following observations:

- Observation of stress induced on the biological community (i.e., dead or dying vegetation),
- Indications of leachate impact (i.e., seeps, impacted surface water),
- Observations of erosion; and
- Negative changes around the waste facility.

During the July 2012 monitoring event, no physical indicators were observed in the vicinity of the waste management areas.

2.2 Well Network and Groundwater Elevation Measurements

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

Monitoring wells MW-1B and MW-1C are the facility's background wells and are located hydraulically upgradient of the waste disposal area. Monitoring wells MW-4, MW-5, MW-6A, MW-7A, and MW-8 are located downgradient or sidegradient of the waste disposal area. Well construction details are provided in Table 2.

Depth to water measurements were recorded to the nearest 0.01 foot using an electronic water level indicator prior to initiating groundwater purging and sampling activities. The monitoring point summary and respective water level elevations for this event along with historical data are presented in Table 1. The data indicate that the hydraulic head level in the uppermost aquifer

beneath the facility is fairly consistent, with temporal variation from the long-term average limited to approximately five feet (plus or minus). As expected, the range in fluctuation appears to be greater in the upgradient wells MW-1B and MW-1C, as these wells are located in a groundwater recharge area. The range in fluctuation in the downgradient compliance wells, which are located near groundwater discharge areas, is much less, presumably due to the stabilizing effect of the hydraulic discharge boundary.

2.3 July 2012 Monitoring Event

Personnel from Joyce Engineering (JOYCE) visited the facility on July 23-24, 2012, to purge and sample monitoring wells MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A, and MW-8, and to sample surface water monitoring points SW-3 and SW-4. No flowing water was observed at the downstream surface water monitoring point SW-4 and it was not sampled during the July 2012 event.

Monitoring wells MW-1B, MW-1C, MW-4, MW-5, MW-6A, MW-7A, and MW-8 were purged and sampled using disposable bailers. Measurements of temperature, pH, specific conductivity, and turbidity were recorded at the onset of purging, at each purge volume, and at the time of sampling. Unless the well was purged dry, three purge volumes were removed from each well before sampling.

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

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

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

2.4 Laboratory Analysis Program

The July 23-24, 2012 groundwater and surface water samples were submitted to Analytical Services, Inc. of Norcross, Georgia under chain-of-custody control for analysis. The groundwater and surface water samples, including the Field Blank, were analyzed for North Carolina Appendix I organic constituents and Resource Conservation Recovery Act (RCRA)

metals. The Trip Blank was analyzed for North Carolina Appendix I organic constituents only. JOYCE requested a Level II data report for the final laboratory report. The samples were received by the laboratory on July 25, 2012 in good condition, properly preserved, and within analysis hold times.

2.5 July 2012 Sampling Results

Analytical result for the July 2012 groundwater samples are summarized in Table 3 with available historical data. Table 4 summarizes historical surface water sampling results. The laboratory certificate-of-analysis and chain-of-custody form for the monitoring event are included in Appendix B.

As presented in Table 3 and the laboratory certificate-of-analysis, three inorganic constituents (chromium, barium and mercury) were reported at quantified concentrations above the Solid Waste Section Report Limits (SWSLs) in samples from one or more downgradient wells during the July 2012 monitoring event. Chromium was detected above the SWSL in MW-1B. Barium was detected above the SWSL in MW-5 and MW-7A while mercury was detected above the SWSL in MW-7A. No other inorganic constituents were detected above their respective SWSLs in monitoring wells during the July 2012 monitoring event.

Five organic constituents (chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, Tetrachloroethene, and Vinyl Chloride) were reported at quantified concentrations above their respective SWSLs in monitoring wells MW-5 and MW-8 during the July 2012 monitoring event. No other organic constituents were detected above their respective SWSLs in monitoring wells during the July 2012 event.

Barium was detected above the SWSL in SW-3. No other RCRA metals or NC Appendix I organic constituents were detected above SWSLs in surface water during the July 2012 monitoring event.

3.0 LABORATORY AND FIELD QA/QC

As part of the July 2012 monitoring event Joyce Engineering personnel collected a field blank. The field blank was prepared by exposing laboratory deionized water to the ambient atmosphere during the sampling event and filling laboratory provided containers. In addition to the Field Blank, a laboratory-prepared Trip Blank accompanied the volatile sample containers for the sampling event to and from the laboratory. The Field Blank was analyzed for RCRA metals and NC Appendix I VOCs and the Trip Blank for NC Appendix I VOCs only. In addition to the Field and Trip Blanks, at least one Method Blank was analyzed by the laboratory for each method used.

Upon receipt of the laboratory data package, the data was reviewed by JOYCE personnel for the following:

- General typographical errors,
- Correct analyses performed and within method specified hold times,
- Biased data results based on Surrogate Recoveries, Matrix Spike, Matrix Spike Duplicate, and Laboratory Control Samples,
- Blank qualified data (B-flags),
- Detections above the groundwater and surface water standards; and
- Detections that are above historical levels.

4.0 DATA EVALUTION

Mercury in MW-7A, chromium in MW-1B, and vinyl chloride and tetrachloroethene in MW-8 were detected at quantified concentrations above their respective NC 2L Groundwater Standards. These detections are consistent with historical data. No other constituents detected at quantified concentrations above the SWSL in groundwater and surface water exceeded their respective NC 2L, Groundwater Protection Standards, or NC 2B Surface Water Standards.

5.0 CONCLUSIONS

Based on the results summarized herein, Republic Services of NC, LLC, will continue monitoring the uppermost aquifer beneath the JMN/Cleveland Container Landfill in accordance with the requirements for industrial landfills as outlined in Title 15A NCAC 13B.0500. The next compliance monitoring event for this facility is tentatively scheduled for January 2013.

6.0 REFERENCES

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

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

Golder Associates NC, Inc., February, 2011. First Semi-Annual 2011 Sampling Event. Prepared for Republic Services of North Carolina, LLC.

North Carolina Dept. Environment, Health, and Natural Resources (NCDEHNR), 1995, N.C. Water Quality Monitoring Guidance Document for Solid Waste Facilities.

North Carolina Geologic Survey, 1985, Geologic Map of North Carolina; North Carolina Department of Natural Resources and Community Development, Geological Survey Section; scale 1:500,000.

Tables

TABLE 1

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

Location	Background		Downgradient				
	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8
TOC Elevation	783.13	780.61	633.34	625.64	637.16	658.76	739.84
17-Jul-01	729.65	729.47	625.70	611.36	608.67	626.91	690.96
25-Sep-01	728.11	738.05	--	--	605.91	626.38	--
27-Nov-01	728.85	728.66	--	--	606.03	625.79	--
23-Jan-02	728.48	728.32	625.28	610.09	605.79	625.31	689.44
16-Jul-02	727.77	727.64	624.55	609.73	606.18	625.21	688.47
29-Jan-03	727.07	727.08	626.47	612.09	--	625.61	687.99
28-Jul-03	734.78	734.96	626.84	613.89	609.61	628.06	--
13-Jan-04	739.08	738.54	627.32	610.47	608.63	627.54	--
6-Jul-04	736.96	736.66	627.41	610.99	609.55	626.13	696.53
26-Jan-05	735.94	735.70	627.46	610.55	607.63	625.07	695.93
19-Jul-05	736.27	735.87	627.52	610.31	606.94	625.30	696.99
20-Jan-06	735.60	735.12	627.61	610.62	608.76	624.47	694.16
25-Jul-06	733.63	733.39	626.73	608.82	605.86	623.20	693.63
25-Jan-07	731.66	731.61	626.56	610.02	608.68	623.27	691.61
25-Jul-07	731.54	731.37	625.70	608.09	604.94	624.57	691.84
8-Jan-08	730.25	730.03	624.33	606.66	605.20	622.37	690.20
24-Jul-08	728.10	727.93	623.71	606.12	603.64	622.21	687.90
7-Jan-09	726.78	726.66	627.84	607.93	608.93	621.24	687.02
9-Jul-09	727.77	727.85	627.84	609.64	606.66	624.85	689.23
20-Jan-10	729.13	729.34	628.13	610.76	610.15	624.26	690.77
28-Jul-10	732.98	733.20	627.84	609.41	606.71	627.28	695.82
25-Jan-11	732.77	732.59	627.33	607.76	604.97	624.31	693.64
26-Jul-11	730.89	730.72	626.22	608.54	606.73	623.95	691.60
3-Jan-12	729.69	729.51	627.66	609.48	608.44	622.21	690.17
23-Jul-12	730.33	730.21	627.59	608.99	607.83	622.91	691.54
MEAN	*731.36*	*731.62*	*626.68*	*609.67*	*607.19*	*624.74*	*691.69*
MAXIMUM	*739.08*	*738.54*	*628.13*	*613.89*	*610.15*	*628.06*	*696.99*
MINIMUM	*726.78*	*726.66*	*623.71*	*606.12*	*603.64*	*621.24*	*687.02*

Notes:

1. All measurements are given in feet AMSL (above mean sea level)
2. -- = No data available.
3. All data prior to 2012 taken from previous report by Golder Associates NC, Inc.

TABLE 2

Summary of Well Construction Information
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Well Identification	Construction Date	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Well Depth (feet)	Well Diameter (inches)	Screened Interval (ft AMSL)	Screened Geologic Formation
MW-1B	8-Mar-01	780.35	783.13	59	2	736.35-721.35	Saprolite
MW-1C	25-May-01	777.98	780.61	76	2	712.28-702.28	Bedrock
MW-4	5-Jun-97	630.67	633.34	15	2	626.17-616.17	Saprolite
MW-5	5-Jun-97	623.01	625.64	21	2	617.01-602.01	Saprolite
MW-6A	24-May-01	634.58	637.16	37	2	612.58-597.58	Bedrock
MW-7A	7-Mar-01	656.06	658.76	38	2	633.46-618.46	Saprolite
MW-8	6-Jun-97	736.64	739.84	50	2	701.64-686.64	Saprolite

Notes:

1. ft AMSL = feet above mean sea level.
2. Well construction data from General Engineering & Environmental, Inc. Sept 06 Semi-Annual Report.
3. All data prior to 2012 taken from previous report by Golder Associates NC, Inc.

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Arsenic	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 10 ug/L	ug/L	9-Nov-97	10	16	--	--	ND	ND	ND	--	16	--	ND	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	50	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	ND	--	--	ND	ND	--	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--
	ug/L	16-Jul-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--
	ug/L	29-Jan-03	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	7.87	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	50	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	50	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	50	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	10	--	ND	3.6 B	3.1 B	18.9 B	--	ND	--	4.0 B	ND	4.4 J
	ug/L	9-Jan-08	10	--	ND	ND	2.7 J	ND	--	ND	--	3.0 J	ND	ND
	ug/L	25-Jul-08	10	--	ND	ND	ND	ND	--	ND	--	ND	3.0 J	ND
	ug/L	8-Jan-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	3.2 J
	ug/L	10-Jul-09	10	--	ND	ND	ND	ND	--	5.00 J	--	5.81 J	ND	ND
	ug/L	21-Jan-10	10	--	ND	ND	ND	ND	--	ND	--	5.88 J	ND	ND
	ug/L	28-Jul-10	10	--	ND	ND		ND	--	ND	--	ND	3.01 J	ND
	ug/L	25-Jan-11	10	--	2.93 J	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	10	--	ND	ND	ND	4.31 J	--	5.35 J	--	3.78 J	3.75 J	ND
	ug/L	4-Jan-12	10	--	ND	ND	1.70 J	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	10	--	3.71 B	ND	4.31 B	2.90 B	--	2.08 B	--	3.85 B	1.55 B	2.14 J
Barium	ug/L	1-Jun-97	500	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 700 ug/L	ug/L	9-Nov-97	500	1300	--	--	ND	1900	ND	--	1200	--	ND	ND
	ug/L	1-Feb-98	500	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	20	150	--	--	30	260	70	--	80	--	40	--
	ug/L	25-Jan-99	500	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	500	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	500	ND	--	--	ND	ND	ND	--	1100	--	ND	ND
	ug/L	20-Jul-00	500	1800	--	--	ND	2000	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	500	2200	--	--	ND	ND	--	--	ND	--	ND	ND
	ug/L	8-Jan-01	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	500	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	500	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	500	--	ND	ND	ND	ND	--	ND	--	ND	--	--
	ug/L	16-Jul-02	500	--	ND	ND	ND	ND	--	ND	--	ND	700	--
	ug/L	29-Jan-03	5	--	41.1	17.2	31.1	319	--	--	--	168	70.3	ND
	ug/L	28-Jul-03	5	--	492	35.0	77.0	219	--	52.3	--	155	--	46.9
	ug/L	14-Jan-04	500	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	500	--	ND	ND	ND	503	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	500	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	500	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	100	--	109	28.4 J	33.2 J	354	--	47.6 J	--	126	57.5 J	0.30 J
	ug/L	26-Jul-07	100	--	46.3 J	14.8 J	33.9 J	167	--	103	--	189	56.1 J	0.80 J
	ug/L	9-Jan-08	100	--	53.6 J	27.6 J	51.0 J	269	--	44.8 J	--	126	63.4 J	ND
	ug/L	25-Jul-08	100	--	35.1 J	18.4 J	36.7 J	294	--	78.1 J	--	115	70.4 J	ND
	ug/L	8-Jan-09	100	--	38.5 J	20.0 J	37.5 J	285	--	14.1 J	--	118	66.2 J	ND
	ug/L	10-Jul-09	100	--	94.2 J	30.9 J	26.6 J	304	--	71.0 J	--	135	59.0 J	ND
	ug/L	21-Jan-10	100	--	45.3 J	24.4 J	57.1 J	417	--	19.7 J	--	130	68.3 J	0.601 J
	ug/L	28-Jul-10	100	--	72.2 J	20.2 J	19.0 J	240	--	65.2 J	--	87.4 J	33.9 J	ND
	ug/L	25-Jan-11	100	--	31.9 J	27.9 J	32.2 J	335	--	85.8 J	--	94.5 J	70.4 J	ND
	ug/L	27-Jul-11	100	--	27.8 J	19.7 J	36.8 J	330	--	59.5 J	--	89.6 J	63.6 J	ND
	ug/L	4-Jan-12	100	--	55.0 J	23.0 J	33.5 J	378	--	14.8 J	--	129	57.1 J	0.10 J
	ug/L	23-Jul-12	100	--	80.1 J	19.3 J	22.4 J	314	--	23.2 J	--	101	58.3 J	1.17 J
Cadmium	ug/L	1-Jun-97	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 2 ug/L	ug/L	9-Nov-97	1	3.2	--	--	ND	2.9	ND	--	3.4	--	1.2	ND
	ug/L	1-Feb-98	1	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	1	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	1	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	1	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	1	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	1	ND	--	--	ND	ND	--	--	ND	--	ND	ND
	ug/L	8-Jan-01	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	1	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	1	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	--
	ug/L	16-Jul-02	1	--	ND	ND	ND	1	--	ND	--	ND	ND	--
	ug/L	29-Jan-03	5	--	ND	ND	ND	0.446	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	1	--	ND	ND	ND	ND	--	ND	--	ND	1.10	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	0.50 J	--	0.50 J	--	ND	0.70 J	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	1	--	0.570 J	0.265 J	0.146 J	0.784 J	--	0.278 J	--	0.569 J	0.809 J	ND
	ug/L	21-Jan-10	1	--	0.521 B	0.376 B	0.215 B	1.29 B	--	0.286 B	--	0.496 B	0.663 B	0.327 J
	ug/L	28-Jul-10	1	--	ND	ND	ND	0.485 J	--	ND	--	ND	0.569 J	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	0.644 J	--	0.499 J	--	0.472 J	1.96	ND
	ug/L	27-Jul-11	1	--	ND	ND	1.10	0.590 J	--	ND	--	ND	1.01	ND
	ug/L	4-Jan-12	1	--	ND	ND	0.15 J	0.89 J	--	ND	--	0.30 J	0.82 J	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	0.71 J	--	ND	--	0.39 J	0.43 J	ND

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Chromium	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 10 ug/L	ug/L	9-Nov-97	10	110	--	--	10	47	14	--	100	--	36	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	24	--	ND	--	ND	--
	ug/L	28-Jul-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	10	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	10	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	330	--	--	ND	ND	--	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	20	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	10	ND	ND	ND	--	ND	--	ND	ND	--
	ug/L	16-Jul-02	10	--	10	ND	ND	ND	--	ND	--	ND	160	--
	ug/L	29-Jan-03	5	--	7.14	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	157	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	10	--	--	--	--	--	--	--	--	-	ND	--
	ug/L	26-Jan-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	10	--	23.2	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	10	--	13.7	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	10	--	5.8 J	ND	ND	ND	--	ND	--	4.1 J	5.2 J	ND
	ug/L	9-Jan-08	10	--	15.4	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	10	--	ND	ND	ND	ND	--	ND	--	ND	8.8 B	1.8 J
	ug/L	8-Jan-09	10	--	8.3 B	6.2 B	7.9 B	1.0 B	--	4.5 B	--	10.0 B	6.2 B	7.0 J
	ug/L	10-Jul-09	10	--	17.8	1.37 J	1.01 J	ND	--	ND	--	1.71 J	ND	ND
	ug/L	21-Jan-10	10	--	5.84 J	ND	6.02 J	5.00 J	--	ND	--	2.73 J	ND	ND
	ug/L	28-Jul-10	10	--	11.7	1.04 J	ND	ND	--	ND	--	1.18 J	ND	ND
	ug/L	25-Jan-11	10	--	3.83 J	1.09 J	ND	ND	--	ND	--	1.91 J	ND	ND
	ug/L	27-Jul-11	10	--	3.11 J	1.53 J	2.64 J	1.67 J	--	ND	--	2.37 J	ND	ND
	ug/L	4-Jan-12	10	--	7.86 J	0.85 J	2.43 J	2.96 J	--	0.71 J	--	1.78 J	ND	ND
	ug/L	23-Jul-12	10	--	13.2	ND	0.73 J	ND	--	ND	--	ND	ND	ND
Lead	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 15 ug/L	ug/L	9-Nov-97	10	35	--	--	ND	44	ND	--	26	--	15	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	15	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	20	--	ND	ND
	ug/L	20-Jul-00	10	40	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	210	--	--	ND	ND	--	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	--
	ug/L	16-Jul-02	10	--	ND	ND	ND	ND	--	ND	--	ND	60	--
	ug/L	29-Jan-03	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	48.9	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	10	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	10	--	3.3 J	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	10	--	3.6 B	3.2 B	ND	10.7 B	--	ND	--	3.1 B	2.8 B	2.4 J
	ug/L	9-Jan-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	10	--	4.44 J	ND	1.75 J	1.77 J	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	10	--	3.82 B	2.68 B	8.70 B	6.46 B	--	1.81 B	--	3.37 B	3.89 B	3.08 J
	ug/L	28-Jul-10	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	10	--	ND	ND	3.09 J	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	10	--	1.65 J	ND	3.04 J	1.87 J	--	0.80 J	--	0.55 J	0.61 J	ND
	ug/L	23-Jul-12	10	--	2.72 J	0.24 J	1.41 J	0.18 J	--	0.32 J	--	0.22 J	ND	ND
Mercury	ug/L	25-Jan-07	0.2	--	ND	ND	ND	ND	--	ND	--	1.70	ND	ND
NC 2L = 1 ug/L	ug/L	26-Jul-07	0.2	--	0.20 R	0.24 R	0.16 R	ND	--	ND	--	3.64 R	0.27 R	0.25 R
(re-analyzation)	ug/L	26-Jul-07	0.2	--	ND	ND	ND	--	--	--	--	2.69	ND	ND
	ug/L	9-Jan-08	0.2	--	ND	ND	ND	ND	--	ND	--	0.86	ND	ND
	ug/L	25-Jul-08	0.2	--	ND	ND	ND	ND	--	ND	--	1.91	ND	ND
	ug/L	8-Jan-09	0.2	--	ND	ND	ND	ND	--	ND	--	1.36	ND	ND
	ug/L	10-Jul-09	0.2	--	ND	ND	ND	ND	--	0.0635 B	--	0.582	ND	0.0777 J
	ug/L	21-Jan-10	0.2	--	ND	ND	ND	ND	--	0.0555 J	--	1.79	ND	ND
	ug/L	28-Jul-10	0.2	--	ND	ND	ND	ND	--	ND	--	0.196 J	ND	ND
	ug/L	25-Jan-11	0.2	--	ND	ND	ND	ND	--	ND	--	0.262	ND	ND
	ug/L	27-Jul-11	0.2	--	ND	ND	ND	ND	--	ND	--	1.04	ND	ND
	ug/L	4-Jan-12	0.2	--	0.188 J	ND	ND	ND	--	ND	--	4.95	ND	ND
	ug/L	23-Jul-12	0.2	--	ND	ND	ND	ND	--	ND	--	3.51	ND	ND
Selenium	ug/L	1-Jun-97	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 20 ug/L	ug/L	9-Nov-97	20	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	20	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	20	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	20	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	20	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	20	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	20	ND	--	--	ND	ND	--	--	ND	--	ND	ND
	ug/L	8-Jan-01	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	20	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	20	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	--
	ug/L	16-Jul-02	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	--
	ug/L	29-Jan-03	5	--	9.07	7.55	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	35.7	8.20	9.43	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	20	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	20	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	20	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	20	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	10	--	ND	2.2 B	ND	ND	--	ND	--	ND	ND	2.6 J
	ug/L	26-Jul-07	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	2.7 J
	ug/L	9-Jan-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	10	--	ND	4.56 J	ND	ND	--	ND	--	ND	6.37 J	ND
	ug/L	4-Jan-12	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	10	--	ND	0.66 J	0.63 J	ND	--	ND	--	ND	ND	ND

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Acetone	ug/L	1-Jun-97	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 6000 ug/L	ug/L	9-Nov-97	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	100	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	100	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	100	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	100	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	100	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	100	--	ND	ND	ND	ND	--	ND	--	ND	31 J	ND
	ug/L	26-Jul-07	100	--	ND	ND	ND	ND	--	ND	--	ND	3.1 J	ND
	ug/L	9-Jan-08	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	100	--	ND	ND	ND	ND	--	3.6 B	--	ND	28 B	4.9 J
	ug/L	8-Jan-09	100	--	ND	ND	ND	ND	--	ND	--	ND	33 J	ND
	ug/L	10-Jul-09	100	--	ND	ND	ND	ND	--	ND	--	12 J	ND	ND
	ug/L	21-Jan-10	100	--	ND	ND	8.7 J	ND	--	8.5 J	--	ND	22 J	ND
	ug/L	28-Jul-10	100	--	ND	ND	3.0 J	ND	--	4.4 J	--	3.0 J	68 J	ND
	ug/L	25-Jan-11	100	--	ND	ND	5.2 J	ND	--	ND	--	ND	4.9 J	ND
	ug/L	27-Jul-11	100	--	ND	ND	13 J	ND	--	ND	--	ND	20 J	ND
	ug/L	4-Jan-12	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
Acrylonitrile	ug/L	4-Jan-12	200	--	ND	ND	ND	1.5 J	--	ND	--	1.8 J	ND	ND
No NC 2L Standard	ug/L	23-Jul-12	200	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
Benzene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 1 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	1.03	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	1	--	ND	ND	ND	1.04	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	1	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	1	--	ND	ND	ND	1.10	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	1	--	ND	ND	ND	1.17	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	1	--	ND	ND	ND	1.08	--	ND	--	1.03	ND	ND
	ug/L	25-Jan-07	1	--	ND	ND	ND	1.5	--	ND	--	1.7	ND	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	1.3	--	0.35 J	--	1.0	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	0.97 J	--	ND	--	1.8	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	0.54 J	--	ND	--	1.5	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	0.57 J	--	ND	--	1.3	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	0.62 J	--	ND	--	0.95 J	ND	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	0.86 J	ND	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	0.44 J	ND	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	ND	--	ND	--	0.9 J	ND	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	0.4 J	--	ND	--	0.8 J	ND	ND
Chlorobenzene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 50 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	8	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	6	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	6	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	6	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	6	--	ND	--	7	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	8	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	8	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	7	--	ND	--	8	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	6	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	2.2	--	--	--	5.50	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	3.65	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	5.26	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	6.85	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	7.01	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	12.1	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	11.3	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	3	--	ND	ND	ND	14	--	0.71 J	--	2.0 J	ND	ND
	ug/L	26-Jul-07	3	--	ND	ND	ND	14	--	3.0	--	1.4 J	ND	ND
	ug/L	9-Jan-08	3	--	ND	ND	ND	6.9	--	0.63 J	--	2.2 J	ND	ND
	ug/L	25-Jul-08	3	--	ND	ND	ND	5.0	--	1.5 J	--	2.2 J	ND	ND
	ug/L	8-Jan-09	3	--	ND	ND	ND	5.5	--	ND	--	2.6 J	ND	ND
	ug/L	10-Jul-09	3	--	ND	ND	ND	3.6	--	1.2 J	--	2.0 J	ND	ND
	ug/L	21-Jan-10	3	--	ND	ND	ND	3.8	--	ND	--	1.9 J	ND	ND
	ug/L	28-Jul-10	3	--	ND	ND	ND	2.3 J	--	1.5 J	--	0.97 J	ND	ND
	ug/L	25-Jan-11	3	--	ND	ND	ND	3.2	--	1.8 J	--	0.50 J	ND	ND
	ug/L	27-Jul-11	3	--	ND	ND	ND	3.2	--	ND	--	0.82 J	ND	ND
	ug/L	4-Jan-12	3	--	ND	ND	ND	3.6	--	ND	--	2.0 J	ND	ND
	ug/L	23-Jul-12	3	--	ND	ND	ND	5.9	--	ND	--	1.0 B	ND	0.4 J

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Chloroethane	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 3000 ug/L	ug/L	9-Nov-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	10	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	10	--	ND	ND	ND	ND	--	0.51 J	--	ND	ND	ND
	ug/L	26-Jul-07	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
1,2-Dichlorobenzene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 20 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	11	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	12	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	12	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	12	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	12	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	5.77	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	3.11	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	12.5	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	17.3	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	15.3	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	24.0	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	25.2	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5	--	ND	ND	ND	30	--	0.36 J	--	ND	ND	ND
	ug/L	26-Jul-07	5	--	0.34 J	ND	ND	31	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	5	--	ND	ND	ND	18	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	5	--	ND	ND	ND	12	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	5	--	ND	ND	ND	13	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	5	--	ND	ND	ND	7.4	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	5	--	ND	ND	ND	5.6	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	5	--	ND	ND	ND	3.6 J	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	5	--	ND	ND	ND	5.6	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	5	--	ND	ND	ND	6.6	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	5	--	ND	ND	ND	5.8	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	5	--	ND	ND	ND	10	--	ND	--	ND	ND	ND
1,4-Dichlorobenzene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 6 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	1.01	--	--	--	2.46	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	1.57	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	3	--	ND	ND	ND	3.6	--	ND	--	0.62 J	ND	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	4.0	--	0.97 J	--	0.43 J	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	2.3	--	ND	--	0.63 J	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	0.53 J	--	0.71 J	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	2.1	--	ND	--	0.86 J	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	1.2	--	ND	--	0.59 J	ND	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	0.87 J	--	0.58 J	--	ND	ND	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	1.1	--	0.64 J	--	ND	ND	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	1.1	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	1.0	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	1.7	--	ND	--	0.4 J	ND	ND

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
cis-1,2-Dichloroethene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	5.7	--	ND	--
NC 2L = 70 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	9.2	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	14	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	5	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	13	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	20	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	17	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	15	5	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	16	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	13	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	13	7	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	12	5	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	--	--	8.81	8.51	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	4.73	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	-	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5	--	ND	ND	0.31 J	1.4 J	--	ND	--	1.7 J	ND	ND
	ug/L	26-Jul-07	5	--	ND	ND	0.86 J	1.3 J	--	0.44 J	--	1.1 J	ND	ND
	ug/L	9-Jan-08	5	--	ND	ND	0.76 J	1.3 J	--	ND	--	2.9 J	ND	ND
	ug/L	25-Jul-08	5	--	ND	ND	ND	1.1 J	--	ND	--	3.1 J	ND	ND
	ug/L	8-Jan-09	5	--	ND	ND	ND	1.5 J	--	ND	--	3.5 J	ND	ND
	ug/L	10-Jul-09	5	--	ND	ND	0.63 J	1.6 J	--	0.58 J	--	2.8 J	ND	ND
	ug/L	21-Jan-10	5	--	ND	ND	ND	1.8 J	--	ND	--	2.8 J	ND	ND
	ug/L	28-Jul-10	5	--	ND	ND	ND	1.2 J	--	0.51 J	--	1.3 J	1.4 J	ND
	ug/L	25-Jan-11	5	--	ND	ND	ND	1.3 J	--	ND	--	0.98 J	ND	ND
	ug/L	27-Jul-11	5	--	ND	ND	ND	1.4 J	--	ND	--	2.0 J	ND	ND
	ug/L	4-Jan-12	5	--	ND	ND	ND	1.3 J	--	ND	--	3.2 J	ND	ND
	ug/L	23-Jul-12	5	--	ND	ND	ND	2.0 J	--	ND	--	2.7 J	0.3 J	ND
trans-1,2-Dichloroethene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 100 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	--	--	ND	ND	--	--	--	--	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	5	--	ND	ND	ND	ND	--	1.1 J	--	ND	ND	ND
	ug/L	25-Jan-11	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
Chloromethane	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 3 ug/L	ug/L	9-Nov-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	10	ND	--	--	ND	ND	ND	--	25	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	10	ND	--	--	ND	ND	ND	--	17	--	ND	ND
	ug/L	8-Jan-01	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	2.6	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	2.6	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	2.6	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	2.6	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5.5	--	ND	ND	1.0 J	5.3 J	--	1.8 J	--	3.9 J	0.34 J	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Methylene chloride	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 5 ug/L	ug/L	9-Nov-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	10	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5.5	--	ND	ND	ND	0.49 J	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	0.66 J	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	0.7 J	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	0.6 J	--	ND	--	ND	ND	ND
2-Butanone	ug/L	1-Jun-97	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 4000 ug/L	ug/L	9-Nov-97	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	100	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	100	--	--	--	ND	ND	--	--	--	--	ND	ND
	ug/L	17-Jul-01	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	100	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	100	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	100	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	100	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	100	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	100	--	ND	ND	1.1 J	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	100	--	ND	ND	2.1 J	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	100	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
Iodomethane	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
No NC 2L Standard	ug/L	9-Nov-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	100	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	44	--	ND	ND
	ug/L	20-Jul-00	10	ND	--	--	ND	ND	ND	--	16	--	10	ND
	ug/L	8-Jan-01	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	5	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	10	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	10	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Tetrachloroethene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 0.7 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	--	--	ND	1.38	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	1	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	3	--	ND	ND	ND	0.50 J	--	ND	--	ND	0.68 J	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	0.51 J	--	ND	--	ND	0.51 J	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	ND	--	ND	0.45 J	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	ND	--	ND	--	ND	0.42 J	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	0.90 J	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	ND	0.94 J	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	ND	2.5	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	0.91 J	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	0.87 J	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	ND	--	ND	--	ND	0.8 J	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	0.4 J	--	ND	--	ND	1.3	ND
Toluene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 600 ug/L	ug/L	9-Nov-97	5	ND	--	--	25	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	--	--	ND	ND	10.5
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	5.32
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5	--	ND	ND	2.8 J	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	0.60 J	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
Trichloroethene	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L =3 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	--	--	ND	ND	--	--	--	--	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	2	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	2	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	2	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	2	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	3	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	ND	0.57 J	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	ND	--	ND	--	ND	0.2 J	ND

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Trichlorofluoromethane	ug/L	1-Jun-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 2000 ug/L	ug/L	9-Nov-97	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	5	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	5	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	2.39	--	--	--	ND	ND	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	1.69	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	5	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	5	--	--	--	--	--	--	--	--	--	ND	--
	ug/L	26-Jan-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5	--	ND	ND	ND	0.40 J	--	ND	--	ND	0.85 J	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	ND	--	ND	--	ND	0.59 J	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	ND	0.44 J	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	ND	--	ND	--	ND	0.6 J	ND
Vinyl Chloride	ug/L	1-Jun-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
NC 2L = 0.03 ug/L	ug/L	9-Nov-97	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	1-Feb-98	10	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	28-Jul-98	2	ND	--	--	ND	ND	ND	--	ND	--	ND	--
	ug/L	25-Jan-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	21-Jul-99	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	25-Jan-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	20-Jul-00	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	ND	--	--	ND	ND	ND	--	ND	--	ND	ND
	ug/L	8-Jan-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	17-Jul-01	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Sep-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	27-Nov-01	10	--	ND	ND	--	--	--	ND	--	ND	--	--
	ug/L	23-Jan-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	16-Jul-02	10	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	29-Jan-03	1	--	ND	ND	ND	ND	--	-	--	ND	2.03	ND
	ug/L	28-Jul-03	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	14-Jan-04	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	7-Jul-04	1	--	ND	ND	ND	ND	--	ND	--	ND	--	ND
	ug/L	31-Aug-04	1	--	--	--	--	--	--	-	--	--	ND	--
	ug/L	26-Jan-05	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jul-05	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	20-Jan-06	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-06	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jan-07	5.5	--	ND	ND	ND	ND	--	ND	--	ND	1.2 J	ND
	ug/L	26-Jul-07	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	9-Jan-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	25-Jul-08	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	8-Jan-09	1	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	1	--	ND	ND	ND	ND	--	ND	--	ND	0.72 J	ND
	ug/L	21-Jan-10	1	--	ND	ND	ND	ND	--	ND	--	ND	0.76 J	ND
	ug/L	28-Jul-10	1	--	ND	ND	ND	ND	--	ND	--	ND	0.89 J	ND
	ug/L	25-Jan-11	1	--	ND	ND	ND	ND	--	ND	--	ND	1.0	ND
	ug/L	27-Jul-11	1	--	ND	ND	ND	ND	--	ND	--	ND	0.82 J	ND
	ug/L	4-Jan-12	1	--	ND	ND	ND	ND	--	ND	--	ND	0.4 J	ND
	ug/L	23-Jul-12	1	--	ND	ND	ND	ND	--	ND	--	ND	1.2	ND
Xylenes (Total)	ug/L	25-Jul-08	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
NC 2L = 500 ug/L	ug/L	8-Jan-09	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	10-Jul-09	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	21-Jan-10	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	28-Jul-10	5	--	ND	ND	ND	ND	--	ND	--	ND	0.97 J	ND
	ug/L	25-Jan-11	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	27-Jul-11	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	4-Jan-12	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	ug/L	23-Jul-12	5	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
pH (field)	S.U.	1-Jun-97	--	5.85	--	--	6.28	5.40	6.49	--	5.58	--	5.70	--
	S.U.	9-Nov-97	--	5.97	--	--	5.93	5.04	6.24	--	5.30	--	5.07	--
	S.U.	1-Feb-98	--	6.22	--	--	5.81	2.39	6.06	--	4.83	--	4.77	--
	S.U.	28-Jul-98	--	5.67	--	--	6.00	5.22	6.10	--	5.34	--	5.23	--
	S.U.	25-Jan-99	--	5.78	--	--	6.34	5.14	6.18	--	5.44	--	5.23	--
	S.U.	21-Jul-99	--	5.79	--	--	6.35	5.41	6.18	--	5.56	--	5.20	--
	S.U.	25-Jan-00	--	6.14	--	--	7.37	6.21	6.21	--	6.01	--	5.68	--
	S.U.	20-Jul-00	--	6.16	--	--	6.33	5.32	6.51	--	5.53	--	5.47	--
	S.U.	8-Jan-01	--	5.70	--	--	6.49	5.49	6.38	--	5.64	--	5.70	--
	S.U.	8-Jan-01	--	--	--	--	6.49	5.49	--	--	--	--	5.70	--
	S.U.	17-Jul-01	--	--	6.24	6.45	6.32	5.40	--	6.08	--	5.38	5.49	--
	S.U.	25-Sep-01	--	--	6.35	6.38	--	--	--	6.28	--	5.19	--	--
	S.U.	27-Nov-01	--	--	6.67	6.65	--	--	--	6.35	--	5.58	--	--
	S.U.	23-Jan-02	--	--	6.24	6.29	6.36	5.82	--	6.32	--	5.32	5.63	--
	S.U.	16-Jul-02	--	--	5.90	5.83	5.66	4.95	--	5.77	--	4.95	4.95	--
	S.U.	29-Jan-03	--	--	6.20	6.30	6.40	5.50	--	--	--	5.10	5.60	--
	S.U.	28-Jul-03	--	--	6.10	6.50	6.40	5.50	--	6.20	--	5.40	--	--
	S.U.	14-Jan-04	--	--	6.32	6.32	6.29	5.37	--	6.24	--	5.01	--	--
	S.U.	7-Jul-04	--	--	5.85	6.17	5.99	5.23	--	5.67	--	5.42	--	--
	S.U.	31-Aug-04	--	--	--	--	--	--	--	--	--	--	5.31	--
	S.U.	26-Jan-05	--	--	5.78	6.16	6.22	5.29	--	6.06	--	5.05	5.38	--
	S.U.	20-Jul-05	--	--	6.10	6.40	6.30	5.29	--	6.10	--	6.70	5.10	--
	S.U.	20-Jan-06	--	--	5.70	6.30	6.50	5.30	--	5.60	--	5.00	5.60	--
	S.U.	25-Jul-06	--	--	6.00	6.20	6.10	5.60	--	6.10	--	5.20	5.40	--
	S.U.	25-Jan-07	--	--	5.89	6.13	6.09	5.72	--	6.25	--	5.27	5.63	--
	S.U.	26-Jul-07	--	--	6.60	6.51	6.44	5.96	--	6.25	--	7.29	5.29	--
	S.U.	9-Jan-08	--	--	5.70	5.91	6.07	5.73	--	6.40	--	6.46	5.59	--
	S.U.	25-Jul-08	--	--	5.21	5.31	6.60	7.47	--	6.07	--	5.40	5.64	--
	S.U.	8-Jan-09	--	--	6.57	6.30	5.64	5.81	--	6.83	--	5.70	5.70	--
	S.U.	10-Jul-09	--	--	6.23	6.89	6.62	6.05	--	6.39	--	5.95	5.63	--
	S.U.	21-Jan-10	--	--	5.95	5.83	5.66	5.61	--	5.89	--	5.48	5.26	--
	S.U.	28-Jul-10	--	--	5.65	6.00	6.03	5.22	--	5.78	--	4.97	5.29	--
	S.U.	25-Jan-11	--	--	5.77	5.97	5.56	5.36	--	5.95	--	5.83	5.22	--
	S.U.	27-Jul-11	--	--	5.72	5.72	5.59	5.15	--	5.91	--	5.21	4.90	--
	S.U.	4-Jan-12	--	--	6.48	6.23	6.19	5.81	--	6.51	--	5.82	5.93	--
	S.U.	23-Jul-12	--	--	6.04	6.40	5.66	5.79	--	6.12	--	5.72	5.48	--

TABLE 3

Summary of Historical Groundwater Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituents/Analytes	Units	Sample Date	SWS Reporting Limit	Background			Downgradient							Blanks
				MW-1A	MW-1B	MW-1C	MW-4	MW-5	MW-6	MW-6A	MW-7	MW-7A	MW-8	
Conductivity (field)	uS/cm	1-Jun-97	--	80	--	--	102	261	166	--	157	--	49	--
	uS/cm	9-Nov-97	--	66	--	--	118	302	138	--	163	--	35	--
	uS/cm	1-Feb-98	--	69	--	--	117	254	172	--	137	--	34	--
	uS/cm	28-Jul-98	--	25	--	--	62	99	47	--	68	--	20	--
	uS/cm	25-Jan-99	--	26	--	--	66	102	49	--	70	--	19	--
	uS/cm	21-Jul-99	--	70	--	--	140	238	48	--	111	--	27	--
	uS/cm	25-Jan-00	--	63	--	--	145	296	53	--	138	--	40	--
	uS/cm	20-Jul-00	--	52	--	--	187	223	40	--	104	--	41	--
	uS/cm	8-Jan-01	--	42	--	--	176	253	66	--	121	--	42	--
	uS/cm	8-Jan-01	--	--	--	--	176	253	--	--	--	--	42	--
	uS/cm	17-Jul-01	--	--	81	180	244	290	--	252	--	123	46	--
	uS/cm	25-Sep-01	--	--	67	145	--	--	--	346	--	107	--	--
	uS/cm	27-Nov-01	--	--	62	142	--	--	--	399	--	114	--	--
	uS/cm	23-Jan-02	--	--	51	101	114	166	--	220	--	95	37	--
	uS/cm	16-Jul-02	--	--	61	87	118	189	--	373	--	84	30	--
	uS/cm	29-Jan-03	--	--	158	201	248	284	--	--	--	139	62.4	--
	uS/cm	28-Jul-03	--	--	204	232	226	252	--	292	--	116	--	--
	uS/cm	14-Jan-04	--	--	122.3	202.3	191	295.2	--	138	--	121	--	--
	uS/cm	7-Jul-04	--	--	118.6	194.8	175.9	299.1	--	258.7	--	125.1	--	--
	uS/cm	31-Aug-04	--	--	--	--	--	--	--	--	--	--	53.7	--
	uS/cm	26-Jan-05	--	--	315	451	425	624	--	663	--	319	165	--
	uS/cm	20-Jul-05	--	--	148	230	196	402	--	507	--	148	51.2	--
	uS/cm	20-Jan-06	--	--	96.4	132	319	388	--	467	--	173.5	69.7	--
	uS/cm	25-Jul-06	--	--	106.7	206.9	175.7	341.3	--	479	--	149.6	51.3	--
	uS/cm	25-Jan-07	--	--	105	313	244	473	--	360	--	234	59	--
	uS/cm	26-Jul-07	--	--	94	249	163	424	--	641	--	145	57	--
	uS/cm	9-Jan-08	--	--	162	323	159	485	--	507	--	257	88	--
	uS/cm	25-Jul-08	--	--	233	275	175	455	--	561	--	224	70	--
	uS/cm	8-Jan-09	--	--	206	258	86	440	--	75	--	237	56	--
	uS/cm	10-Jul-09	--	--	256	275	183	454	--	459	--	191	68	--
	uS/cm	21-Jan-10	--	--	216	255	185	432	--	169	--	175	61	--
	uS/cm	28-Jul-10	--	--	245	250	229	411	--	571	--	126	108	--
	uS/cm	25-Jan-11	--	--	111	255	169	426	--	675	--	149	64	--
	uS/cm	27-Jul-11	--	--	140	285	236	453	--	416	--	178	70	--
	uS/cm	4-Jan-12	--	--	--	251	112.7	397	--	78.0	--	196	52.4	--
	uS/cm	23-Jul-12	--	--	222	275	130.5	443	--	149.3	--	253	75.5	--
Temperature (field)	°C	1-Jun-97	--	16.90	--	--	16.10	15.90	17.60	--	16.10	--	17.60	--
	°C	9-Nov-97	--	16.10	--	--	16.90	16.90	16.00	--	15.80	--	16.60	--
	°C	1-Feb-98	--	13.90	--	--	13.10	15.80	15.90	--	13.80	--	15.90	--
	°C	28-Jul-98	--	15.40	--	--	16.70	15.90	15.10	--	19.90	--	18.17	--
	°C	25-Jan-99	--	25.00	--	--	25.00	25.00	25.00	--	25.00	--	25.00	--
	°C	21-Jul-99	--	19.70	--	--	20.00	19.40	20.60	--	22.70	--	19.40	--
	°C	25-Jan-00	--	16.10	--	--	7.70	7.90	8.30	--	13.00	--	15.50	--
	°C	20-Jul-00	--	21.80	--	--	23.30	20.00	21.90	--	22.20	--	22.00	--
	°C	8-Jan-01	--	16.00	--	--	15.70	15.80	16.00	--	16.30	--	16.00	--
	°C	8-Jan-01	--	--	--	--	15.70	15.80	--	--	--	--	16.00	--
	°C	17-Jul-01	--	--	21.80	19.90	20.30	20.70	--	18.80	--	19.60	20.10	--
	°C	25-Sep-01	--	--	19.80	19.40	--	--	--	19.70	--	17.60	--	--
	°C	27-Nov-01	--	--	17.10	17.00	--	--	--	15.70	--	15.50	--	--
	°C	23-Jan-02	--	--	15.90	15.90	15.70	16.60	--	15.80	--	14.90	17.50	--
	°C	16-Jul-02	--	--	21.10	20.20	19.30	18.40	--	21.30	--	18.40	22.00	--
	°C	29-Jan-03	--	--	14.80	14.10	13.10	15.80	--	--	--	13.60	15.50	--
	°C	28-Jul-03	--	--	20.10	19.60	21.50	19.00	--	18.10	--	19.30	--	--
	°C	14-Jan-04	--	--	16.20	11.70	13.10	17.20	--	7.70	--	15.60	--	--
	°C	7-Jul-04	--	--	21.60	20.60	23.10	23.70	--	18.30	--	18.80	--	--
	°C	31-Aug-04	--	--	--	--	--	--	--	--	--	--	19.60	--
	°C	26-Jan-05	--	--	16.90	17.50	10.70	15.20	--	15.10	--	13.40	14.90	--
	°C	20-Jul-05	--	--	22.40	20.70	23.70	20.70	--	19.50	--	19.30	20.40	--
	°C	20-Jan-06	--	--	17.70	17.50	13.50	15.80	--	16.30	--	15.90	15.20	--
	°C	25-Jul-06	--	--	21.60	22.20	23.30	19.90	--	21.40	--	21.60	22.40	--
	°C	25-Jan-07	--	--	16.60	15.60	14.30	16.50	--	17.80	--	16.30	17.00	--
	°C	26-Jul-07	--	--	18.56	18.59	22.41	21.49	--	21.71	--	21.25	21.41	--
	°C	9-Jan-08	--	--	17.16	17.16	17.40	19.46	--	18.83	--	18.40	19.29	--
	°C	25-Jul-08	--	--	18.51	18.37	19.65	18.95	--	18.41	--	18.71	19.40	--
	°C	8-Jan-09	--	--	13.56	15.30	11.09	14.90	--	14.02	--	14.89	16.16	--
	°C	10-Jul-09	--	--	17.51	17.77	20.37	17.33	--	18.02	--	17.31	19.15	--
	°C	21-Jan-10	--	--	14.51	14.29	9.20	17.05	--	15.48	--	14.59	16.88	--
	°C	28-Jul-10	--	--	19.17	18.57	21.84	19.09	--	17.45	--	17.61	18.64	--
	°C	25-Jan-11	--	--	14.64	14.66	8.66	14.52	--	14.28	--	13.35	15.40	--
	°C	27-Jul-11	--	--	15.52	18.69	21.91	19.20	--	17.35	--	18.87	18.57	--
	°C	4-Jan-12	--	--	15.9	15.9	11.1	14.8	--	14.6	--	15.0	15.6	--
	°C	23-Jul-12	--	--	19.5	18.6	23.3	19.2	--	17.7	--	18.6	19.5	--
Turbidity (field)	NTU	1-Jun-97	--	52.00	--	--	440	91	550.00	--	80.00	--	31	--
	NTU	9-Nov-97	--	>1000	--	--	>1000	>1000	>1000	--	>1000	--	>1000	--
	NTU	1-Feb-98	--	500.00	--	--	190	150	749.00	--	150.00	--	431	--
	NTU	28-Jul-98	--	41.00	--	--	17	26	142.00	--	19.00	--	15	--
	NTU	25-Jan-99	--	73.00	--	--	12	24	11.00	--	49.00	--	120	--
	NTU	21-Jul-99	--	120.00	--	--	38	205	122.00	--	120.00	--	7.77	--
	NTU	25-Jan-00	--	8.67	--	--	8.18	143	16.00	--	677.00	--	30	--
	NTU	20-Jul-00	--	32.00	--	--	12	165	27.00	--	16.00	--	39.0	--
	NTU	8-Jan-01	--	35.00	--	--	110	45	--	--	37.00	--	35	--
	NTU	8-Jan-01	--	--	--	--	110	45	--	--	--	--	35	--
	NTU	17-Jul-01	--	--	542	180	126	140	--	6.64	--	115	38	--
	NTU	25-Sep-01	--	--	145	11	--	--	--	6.85	--	20	--	--
	NTU	27-Nov-01	--	--	147	16	--	--	--	12	--	6.04	--	--
	NTU	23-Jan-02	--	--	156	10	152	12	--	4.28	--	11	39	--
	NTU	16-Jul-02	--	--	77	29	28	18	--	4.89	--	12	650	--
	NTU	29-Jan-03	--	--	62.1	12.4	23.9	24.5	--	--	--	5.93	65.3	--
	NTU	28-Jul-03	--	--	100	20	16	10	--	0	--	10	--	--
	NTU	14-Jan-04	--	--	80	7.55	61.7	45.2	--	9.48	--	26.1	--	--
	NTU	7-Jul-04	--	--	54	5.96	50.1	71.4	--	10.4	--	127	--	--
	NTU	31-Aug-04	--	--	--	--	--	--	--	--	--	--	82	--
	NTU	26-Jan-05	--	--	47.6	19.8	10.6	10.6	--	1.04	--	1.84	5.34	--
	NTU	20-Jul-05	--	--	46.1	18	12.7	14	--	21	--	31.7	17.8	--
	NTU	20-Jan-06	--	--	11	13.38	26.72	6.11	--	5.79	--	26.2	2.08	--
	NTU	25-Jul-06	--	--	283	22.4	56.6	38.6	--	2.64	--	8.18	34.5	--
	NTU	25-Jan-07	--	--	>1000	97.4	>1000	642	--	0	--	527	854	--
	NTU	26-Jul-07	--	--	150	24.6	29.4	14.1	--	12.8	--	54.1	1	--
	NTU	9-Jan-08	--	--	106	8.76	58.4	6.16	--	1.15	--	2.32	6.69	--
	NTU	25-Jul-08	--	--	128	5.34	62.1	168	--	3.92	--	1.44	16.9	--
	NTU	8-Jan-09	--	--	44.6	16.2	53.9	9.27	--	38	--	5.89	42.5	--
	NTU	10-Jul-09	--	--	93.7	21.9	75.1	34.7	--	30.9	--	6.11	20.1	--
	NTU	21-Jan-10	--	--	32.7	24.8	212	47.5	--	5.64	--	7.59	24	--
	NTU	28-Jul-10	--	--	58.6	8.88	20.4	4.09	--	6.27	--	2.52	27.5	--
	NTU	25-Jan-11	--	--	38.4	7.81	50.4	3.41	--	1.75	--	16.8	7.25	--
	NTU	27-Jul-11	--	--	18.49	7.29	19.47	3.91	--	2.26	--	3.92	5.92	--
	NTU	4-Jan-12	--	--	9.04	7.10	17.46	12.24	--	13.19	--	7.40	10.40	--
	NTU	23-Jul-12	--	--	48.7	7.92	12.99	11.00	--	9.17	--	7.92	13.41	--

Notes:

1. mg/L = milligrams per liter.
2. ug/L = micrograms per liter.
3. J = Estimated value.
4. B = Blank-qualified data.
5. S.U. = Standard Units.
6. NTU = Nephelometric Turbidity Units.
7. R = Anomalous data.
8. ND = Not detected at the stated reporting limit.
9. uS/cm= microsiemens per centimeter.
10. mV = Millivolts.
11. -- = No data.
12. Blanks = field, trip and method blanks.
13. Shaded = Quantified concentrations above the NC 2L or Groundwater Protection standards (GPS) have been shaded.
14. SWS Reporting Limit = NCPQL prior to 2007 and NCSWSL starting in 01/25/07.
15. All data prior to 2012 taken from previous report by Golder Associates NC, Inc.

TABLE 4

Summary of Historical Surface Water Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituent/Analytes	Units	Sample Dates	SWS Reporting Limit	Upstream SW-3		Downstream SW-4		Blanks	
Arsenic	ug/L	29-Jan-03	5	ND		ND		ND	
NC 2B = 50 ug/L	ug/L	28-Jul-03	5	ND		ND		ND	
	ug/L	14-Jan-04	50	ND		ND		ND	
	ug/L	7-Jul-04	50	ND		ND		ND	
	ug/L	26-Jan-05	50	ND		ND		ND	
	ug/L	20-Jul-05	50	Dry		ND		ND	
	ug/L	20-Jan-06	10	ND		ND		ND	
	ug/L	25-Jul-06	10	Dry		ND		ND	
	ug/L	25-Jan-07	10	ND		ND		ND	
	ug/L	26-Jul-07	10	Dry		2.3	B	4.4	J
	ug/L	9-Jan-08	10	Dry		ND		ND	
	ug/L	25-Jul-08	10	Dry		Dry		ND	
	ug/L	8-Jan-09	10	3.8	B	ND		3.2	J
	ug/L	10-Jul-09	10	Dry		Dry		ND	
	ug/L	20-Jan-10	10	ND		ND		ND	
	ug/L	28-Jul-10	10	Dry		Dry		ND	
	ug/L	25-Jan-11	10	ND		Dry		ND	
	ug/L	27-Jul-11	10	Dry		Dry		ND	
	ug/L	4-Jan-12	10	ND		Dry		ND	
	ug/L	23-Jul-12	10	3.34	B	Dry		2.14	J
Barium	ug/L	29-Jan-03	5	27.2		62.6		ND	
No NC 2B Standard	ug/L	28-Jul-03	5	77.5		28.2		46.9	
	ug/L	14-Jan-04	500	ND		ND		ND	
	ug/L	7-Jul-04	500	ND		ND		ND	
	ug/L	26-Jan-05	500	ND		ND		ND	
	ug/L	20-Jul-05	500	Dry		ND		ND	
	ug/L	20-Jan-06	500	ND		ND		ND	
	ug/L	25-Jul-06	500	Dry		ND		ND	
	ug/L	25-Jan-07	100	29.9	J	24.0	J	0.30	J
	ug/L	26-Jul-07	100	Dry		17.2	J	0.80	J
	ug/L	9-Jan-08	100	Dry		15.7	J	ND	
	ug/L	25-Jul-08	100	Dry		Dry		ND	
	ug/L	8-Jan-09	100	40.2	J	49.7	J	ND	
	ug/L	10-Jul-09	100	Dry		Dry		ND	
	ug/L	20-Jan-10	100	59.3	J	46.0	J	0.601	J
	ug/L	28-Jul-10	100	Dry		Dry		ND	
	ug/L	25-Jan-11	100	60.0	J	Dry		ND	
	ug/L	27-Jul-11	100	Dry		Dry		ND	
	ug/L	4-Jan-12	100	111		Dry		0.10	J
	ug/L	23-Jul-12	100	110		Dry		1.17	J
Cadmium	ug/L	29-Jan-03	5	ND		ND		ND	
NC 2B = 2 ug/L	ug/L	28-Jul-03	5	ND		ND		ND	
	ug/L	14-Jan-04	5	ND		ND		ND	
	ug/L	7-Jul-04	5	ND		ND		ND	
	ug/L	26-Jan-05	5	ND		ND		ND	
	ug/L	20-Jul-05	5	Dry		ND		ND	
	ug/L	20-Jan-06	5	ND		ND		ND	
	ug/L	25-Jul-06	5	Dry		ND		ND	
	ug/L	25-Jan-07	1	ND		ND		ND	
	ug/L	26-Jul-07	1	Dry		ND		ND	
	ug/L	9-Jan-08	1	Dry		ND		ND	
	ug/L	25-Jul-08	1	--		--		ND	
	ug/L	8-Jan-09	1	ND		ND		ND	
	ug/L	10-Jul-09	1	Dry		Dry		ND	
	ug/L	20-Jan-10	1	0.315	B	0.326	B	0.327	J
	ug/L	28-Jul-10	1	Dry		Dry		ND	
	ug/L	25-Jan-11	1	ND		Dry		ND	
	ug/L	27-Jul-11	1	Dry		Dry		ND	
	ug/L	4-Jan-12	1	0.10	J	Dry		ND	
	ug/L	23-Jul-12	1	0.06	J	Dry		ND	

TABLE 4

Summary of Historical Surface Water Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituent/Analytes	Units	Sample Dates	SWS Reporting Limit	Upstream SW-3	Downstream SW-4	Blanks
Chromium	ug/L	29-Jan-03	5	ND	ND	ND
NC 2B = 50 ug/L	ug/L	28-Jul-03	5	6.27	ND	ND
	ug/L	14-Jan-04	10	ND	ND	ND
	ug/L	7-Jul-04	10	ND	ND	ND
	ug/L	26-Jan-05	10	ND	ND	ND
	ug/L	20-Jul-05	10	Dry	ND	ND
	ug/L	20-Jan-06	10	ND	ND	ND
	ug/L	25-Jul-06	10	Dry	ND	ND
	ug/L	25-Jan-07	10	ND	ND	ND
	ug/L	26-Jul-07	10	Dry	ND	ND
	ug/L	9-Jan-08	10	Dry	ND	ND
	ug/L	25-Jul-08	10	Dry	Dry	1.8 J
	ug/L	8-Jan-09	10	7.6 B	9.8 B	7.0 J
	ug/L	10-Jul-09	10	Dry	Dry	ND
	ug/L	20-Jan-10	10	ND	4.83 J	ND
	ug/L	28-Jul-10	10	Dry	Dry	ND
	ug/L	25-Jan-11	10	ND	Dry	ND
	ug/L	27-Jul-11	10	Dry	Dry	ND
	ug/L	4-Jan-12	10	1.51 J	Dry	ND
	ug/L	23-Jul-12	10	2.70 J	Dry	ND
Lead	ug/L	4-Jan-12	10	1.96 J	Dry	ND
NC 2B = 25 ug/L	ug/L	23-Jul-12	10	3.65 J	Dry	ND
Selenium	ug/L	29-Jan-03	5	11.5	23.3	ND
NC 2B = 5 ug/L	ug/L	28-Jul-03	5	ND	ND	ND
	ug/L	14-Jan-04	20	ND	ND	ND
	ug/L	7-Jul-04	20	ND	ND	ND
	ug/L	26-Jan-05	20	ND	ND	ND
	ug/L	20-Jul-05	20	Dry	ND	ND
	ug/L	20-Jan-06	20	ND	ND	ND
	ug/L	25-Jul-06	20	Dry	ND	ND
	ug/L	25-Jan-07	10	ND	ND	2.6 J
	ug/L	26-Jul-07	10	Dry	ND	2.7 J
	ug/L	9-Jan-08	10	Dry	ND	ND
	ug/L	25-Jul-08	10	Dry	Dry	ND
	ug/L	8-Jan-09	10	ND	ND	ND
	ug/L	10-Jul-09	10	Dry	Dry	ND
	ug/L	20-Jan-10	10	ND	ND	ND
	ug/L	28-Jul-10	10	Dry	Dry	ND
	ug/L	25-Jan-11	10	ND	Dry	ND
	ug/L	27-Jul-11	10	Dry	Dry	ND
	ug/L	4-Jan-12	10	ND	Dry	ND
	ug/L	23-Jul-12	10	ND	Dry	ND
Acetone	ug/L	29-Jan-03	5	ND	ND	ND
No NC 2B Standard	ug/L	28-Jul-03	5	ND	ND	ND
	ug/L	14-Jan-04	100	ND	ND	ND
	ug/L	7-Jul-04	100	ND	ND	ND
	ug/L	26-Jan-05	100	ND	ND	ND
	ug/L	20-Jul-05	100	Dry	ND	ND
	ug/L	20-Jan-06	100	ND	ND	ND
	ug/L	25-Jul-06	100	Dry	ND	ND
	ug/L	25-Jan-07	100	ND	ND	ND
	ug/L	26-Jul-07	100	Dry	ND	ND
	ug/L	9-Jan-08	100	Dry	6.2 J	ND
	ug/L	25-Jul-08	100	Dry	Dry	4.9 J
	ug/L	8-Jan-09	100	ND	ND	ND
	ug/L	10-Jul-09	100	Dry	Dry	ND
	ug/L	20-Jan-10	100	ND	ND	ND
	ug/L	28-Jul-10	100	Dry	Dry	ND
	ug/L	25-Jan-11	100	3.7 J	Dry	ND
	ug/L	27-Jul-11	100	Dry	Dry	ND
	ug/L	4-Jan-12	100	ND	Dry	ND
	ug/L	23-Jul-12	100	ND	Dry	ND

TABLE 4

Summary of Historical Surface Water Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituent/Analytes	Units	Sample Dates	SWS Reporting Limit	Upstream SW-3	Downstream SW-4	Blanks
Chlorobenzene	ug/L	29-Jan-03	1	ND	ND	ND
No NC 2B Standard	ug/L	28-Jul-03	1	ND	ND	ND
	ug/L	14-Jan-04	5	ND	ND	ND
	ug/L	7-Jul-04	5	ND	ND	ND
	ug/L	26-Jan-05	5	6.82	ND	ND
	ug/L	20-Jul-05	5	Dry	ND	ND
	ug/L	20-Jan-06	5	ND	ND	ND
	ug/L	25-Jul-06	5	Dry	ND	ND
	ug/L	25-Jan-07	3	ND	ND	ND
	ug/L	26-Jul-07	3	Dry	ND	ND
	ug/L	9-Jan-08	3	Dry	ND	ND
	ug/L	25-Jul-08	3	Dry	Dry	ND
	ug/L	8-Jan-09	3	ND	ND	ND
	ug/L	10-Jul-09	3	Dry	Dry	ND
	ug/L	20-Jan-10	3	ND	ND	ND
	ug/L	28-Jul-10	3	Dry	Dry	ND
	ug/L	25-Jan-11	3	ND	Dry	ND
	ug/L	27-Jul-11	3	Dry	Dry	ND
	ug/L	4-Jan-12	3	ND	Dry	ND
	ug/L	23-Jul-12	3	ND	Dry	0.4 J
1,2-Dichlorobenzene	ug/L	29-Jan-03	1	ND	ND	ND
No NC 2B Standard	ug/L	28-Jul-03	1	ND	ND	ND
	ug/L	14-Jan-04	5	ND	ND	ND
	ug/L	7-Jul-04	5	ND	ND	ND
	ug/L	26-Jan-05	5	ND	15.4	ND
	ug/L	20-Jul-05	5	Dry	ND	ND
	ug/L	20-Jan-06	5	ND	ND	ND
	ug/L	25-Jul-06	5	Dry	ND	ND
	ug/L	25-Jan-07	5	ND	ND	ND
	ug/L	26-Jul-07	5	Dry	ND	ND
	ug/L	9-Jan-08	5	Dry	ND	ND
	ug/L	25-Jul-08	5	Dry	Dry	ND
	ug/L	8-Jan-09	5	ND	ND	ND
	ug/L	10-Jul-09	5	Dry	Dry	ND
	ug/L	20-Jan-10	5	ND	ND	ND
	ug/L	28-Jul-10	5	Dry	Dry	ND
	ug/L	25-Jan-11	5	ND	Dry	ND
	ug/L	27-Jul-11	5	Dry	Dry	ND
	ug/L	4-Jan-12	5	ND	Dry	ND
	ug/L	23-Jul-12	5	ND	Dry	ND
Toluene	ug/L	29-Jan-03	1	ND	ND	10.5
NC 2B = 11 ug/L	ug/L	28-Jul-03	1	1.15	ND	ND
	ug/L	14-Jan-04	5	ND	ND	ND
	ug/L	7-Jul-04	5	ND	ND	5.32
	ug/L	26-Jan-05	5	ND	ND	ND
	ug/L	20-Jul-05	5	Dry	ND	ND
	ug/L	20-Jan-06	5	ND	ND	ND
	ug/L	25-Jul-06	5	Dry	ND	ND
	ug/L	25-Jan-07	5	ND	ND	ND
	ug/L	26-Jul-07	1	Dry	ND	ND
	ug/L	9-Jan-08	1	Dry	ND	ND
	ug/L	25-Jul-08	1	Dry	Dry	ND
	ug/L	8-Jan-09	1	ND	ND	ND
	ug/L	10-Jul-09	1	Dry	Dry	ND
	ug/L	20-Jan-10	1	ND	ND	ND
	ug/L	28-Jul-10	1	Dry	Dry	ND
	ug/L	25-Jan-11	1	ND	Dry	ND
	ug/L	27-Jul-11	1	Dry	Dry	ND
	ug/L	4-Jan-12	1	ND	Dry	ND
	ug/L	23-Jul-12	1	ND	Dry	ND

TABLE 4

Summary of Historical Surface Water Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituent/Analytes	Units	Sample Dates	SWS Reporting Limit	Upstream SW-3	Downstream SW-4	Blanks
pH (field)	S.U.	29-Jan-03	--	6.80	6.70	--
	S.U.	28-Jul-03	--	6.80	6.80	--
	S.U.	14-Jan-04	--	6.83	7.16	--
	S.U.	7-Jul-04	--	6.65	6.79	--
	S.U.	31-Aug-04	--	--	--	--
	S.U.	26-Jan-05	--	6.67	5.31	--
	S.U.	20-Jul-05	--	Dry	9.07	--
	S.U.	20-Jan-06	--	6.20	6.30	--
	S.U.	25-Jul-06	--	Dry	6.50	--
	S.U.	25-Jan-07	--	6.00	6.19	--
	S.U.	26-Jul-07	--	Dry	6.73	--
	S.U.	9-Jan-08	--	Dry	6.31	--
	S.U.	25-Jul-08	--	Dry	Dry	--
	S.U.	8-Jan-09	--	6.51	6.83	--
	S.U.	10-Jul-09	--	Dry	Dry	--
	S.U.	20-Jan-10	--	6.24	6.50	--
	S.U.	28-Jul-10	--	Dry	Dry	--
	S.U.	25-Jan-11	--	5.67	Dry	--
	S.U.	26-Jul-11	--	Dry	Dry	--
	S.U.	4-Jan-12	--	5.27	Dry	--
	S.U.	23-Jul-12	--	6.80	Dry	--
Conductivity (field)	uS/cm	29-Jan-03	--	60.3	87	--
	uS/cm	28-Jul-03	--	253	100	--
	uS/cm	14-Jan-04	--	76	60	--
	uS/cm	7-Jul-04	--	85.2	81	--
	uS/cm	31-Aug-04	--	--	--	--
	uS/cm	26-Jan-05	--	243	117	--
	uS/cm	20-Jul-05	--	Dry	90	--
	uS/cm	20-Jan-06	--	56.7	77.7	--
	uS/cm	25-Jul-06	--	Dry	47.1	--
	uS/cm	25-Jan-07	--	114	117	--
	uS/cm	26-Jul-07	--	Dry	193	--
	uS/cm	9-Jan-08	--	Dry	275	--
	uS/cm	25-Jul-08	--	Dry	Dry	--
	uS/cm	8-Jan-09	--	131	81	--
	uS/cm	10-Jul-09	--	Dry	Dry	--
	uS/cm	20-Jan-10	--	90	67	--
	uS/cm	28-Jul-10	--	Dry	Dry	--
	uS/cm	25-Jan-11	--	94	Dry	--
	uS/cm	26-Jul-11	--	Dry	Dry	--
	uS/cm	4-Jan-12	--	69	Dry	--
	uS/cm	23-Jul-12	--	195.6	Dry	--
Temperature (field)	°C	29-Jan-03	--	3.2	6.2	--
	°C	28-Jul-03	--	26.8	25.7	--
	°C	14-Jan-04	--	7.1	6.7	--
	°C	7-Jul-04	--	27.9	28.3	--
	°C	31-Aug-04	--	--	--	--
	°C	26-Jan-05	--	14.1	3.5	--
	°C	20-Jul-05	--	Dry	26.1	--
	°C	20-Jan-06	--	16.2	13.1	--
	°C	25-Jul-06	--	Dry	27.6	--
	°C	25-Jan-07	--	11.8	13.8	--
	°C	26-Jul-07	--	Dry	24.07	--
	°C	9-Jan-08	--	Dry	11.82	--
	°C	25-Jul-08	--	Dry	Dry	--
	°C	8-Jan-09	--	7.22	7.21	--
	°C	10-Jul-09	--	Dry	Dry	--
	°C	20-Jan-10	--	14.61	7.69	--
	°C	28-Jul-10	--	Dry	Dry	--
	°C	25-Jan-11	--	3.84	Dry	--
	°C	26-Jul-11	--	Dry	Dry	--
	°C	4-Jan-12	--	2.04	Dry	--
	°C	23-Jul-12	--	26.1	Dry	--

TABLE 4

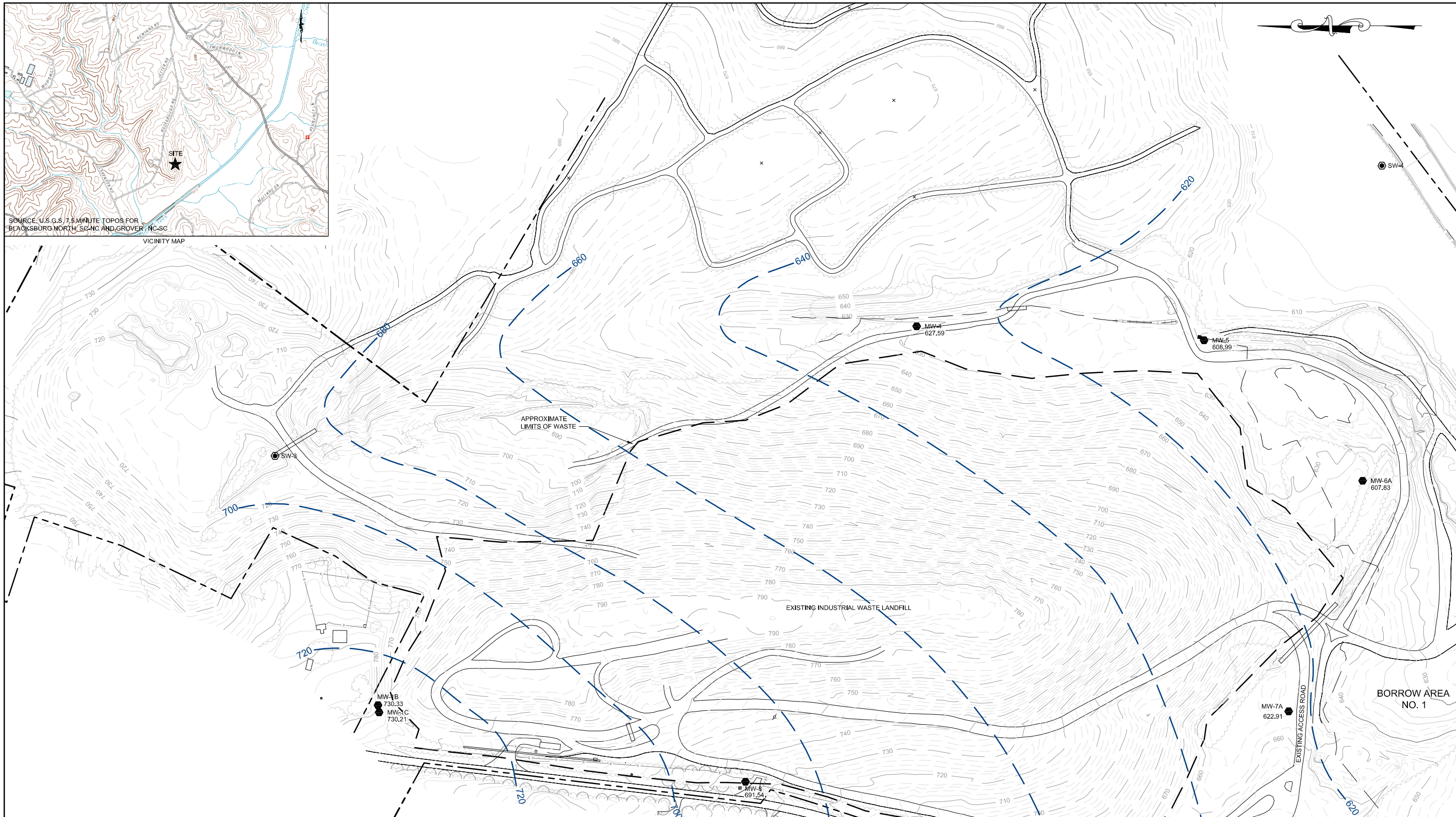
Summary of Historical Surface Water Constituents/Analytes
JMN/Cleveland Container Landfill, Permit No. 23-02
Cleveland County, North Carolina

Detected Monitoring Constituent/Analytes	Units	Sample Dates	SWS Reporting Limit	Upstream SW-3	Downstream SW-4	Blanks
Turbidity (field)	NTU	29-Jan-03	--	16.7	22.4	--
	NTU	28-Jul-03	--	11	18	--
	NTU	14-Jan-04	--	4.3	14.6	--
	NTU	7-Jul-04	--	4.82	4.04	--
	NTU	31-Aug-04	--	--	--	--
	NTU	26-Jan-05	--	5.2	29.5	--
	NTU	20-Jul-05	--	Dry	6.41	--
	NTU	20-Jan-06	--	3.21	5.28	--
	NTU	25-Jul-06	--	Dry	121	--
	NTU	25-Jan-07	--	0.0	0.0	--
	NTU	26-Jul-07	--	Dry	2.0	--
	NTU	9-Jan-08	--	Dry	116	--
	NTU	25-Jul-08	--	Dry	Dry	--
	NTU	8-Jan-09	--	4.20	158	--
	NTU	10-Jul-09	--	Dry	Dry	--
	NTU	20-Jan-10	--	128	163	--
	NTU	28-Jul-10	--	Dry	Dry	--
	NTU	25-Jan-11	--	15.1	Dry	--
	NTU	26-Jul-11	--	Dry	Dry	--
	NTU	4-Jan-12	--	18	Dry	--
	NTU	23-Jul-12	--	69.1	Dry	--
Oxidation-Reduction Potential (field)	mV	25-Jan-07	--	153	233	--
	mV	26-Jul-07	--	Dry	77	--
	mV	9-Jan-08	--	Dry	151	--
	mV	25-Jul-08	--	Dry	Dry	--
	mV	8-Jan-09	--	30.4	69.1	--
	mV	10-Jul-09	--	Dry	Dry	--
	mV	20-Jan-10	--	9.5	53.8	--
	mV	28-Jul-10	--	Dry	Dry	--
	mV	25-Jan-11	--	200.4	Dry	--
	mV	26-Jul-11	--	Dry	Dry	--
	mV	4-Jan-12	--	160.0	Dry	--
	mV	23-Jul-12	--	111.1	Dry	--
Dissolved Oxygen (field)	mg/L	25-Jan-07	--	8.60	5.00	--
	mg/L	26-Jul-07	--	Dry	9.40	--
	mg/L	9-Jan-08	--	Dry	10.36	--
	mg/L	25-Jul-08	--	Dry	Dry	--
	mg/L	8-Jan-09	--	6.50	8.30	--
	mg/L	10-Jul-09	--	Dry	Dry	--
	mg/L	20-Jan-10	--	9.87	10.17	--
	mg/L	28-Jul-10	--	Dry	Dry	--
	mg/L	25-Jan-11	--	7.38	Dry	--
	mg/L	26-Jul-11	--	Dry	Dry	--
	mg/L	4-Jan-12	--	9.82	Dry	--
	mg/L	23-Jul-12	--	3.30	Dry	--

Notes:

1. mg/L = milligrams per liter.
2. ug/L = micrograms per liter.
3. J = Estimated value.
4. B = Blank-qualified data.
5. S.U. = Standard Units.
6. NTU = Nephelometric Turbidity Units.
7. R = Anomalous data.
8. ND = Not detected at the stated reporting limit.
9. uS/cm= microsiemens per cubic centimeter.
10. mV = Millivolts.
11. -- = No data.
12. Blanks = field, trip and method blanks.
13. Shaded = Quantified concentrations above the Surface Water Standards have been shaded.
14. SWS Reporting Limit = NCPQL prior to 2007 and NCSWSL starting in 01/25/07.
15. NC 2B = NC Freshwater Aquatic Life Standards as defined in 15A NCAC 2B.
16. All data prior to 2012 taken form previous report by Golder Associates NC, Inc

Drawing



LEGEND

- PROPERTY LINE
- 710 — EXISTING 10' TOPOGRAPHIC CONTOUR
- EXISTING 2' TOPOGRAPHIC CONTOUR
- EXISTING ROAD
- APPROXIMATE LIMITS OF WASTE
- 2660 — GROUNDWATER SURFACE CONTOUR [FEET ABOVE MEAN SEA LEVEL (AMSL)]
- TREE LINE
- MW-X — EXISTING GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH STATIC WATER LEVEL ELEVATION (FEET AMSL)
- SW-X — SURFACE MONITORING POINT LOCATION AND IDENTIFICATION

NOTES

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. GROUNDWATER CONTOUR INTERVAL = 10 FEET
3. STATIC WATER LEVELS WERE MEASURED ON 07/23/12.
4. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MAY NOT REFLECT ACTUAL GROUNDWATER CONDITIONS.
5. TOPOGRAPHIC BASE MAP WAS PRODUCED BY BEI AERIAL MAPPING, PEACHTREE CITY, GEORGIA. AERIAL PHOTO TAKEN MAY 15, 2002, UNLESS OTHERWISE NOTED.

GRAPHIC SCALE
0 50 100 200
(FEET)

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED AJC
DRAWN RWH
CHECKED RLW
APPROVED GVB
DATE 08/15/12

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JMN / CLEVELAND CONTAINER LANDFILL
CLEVELAND COUNTY, NORTH CAROLINA

POTENTIOMETRIC SURFACE CONTOUR MAP
JULY 23, 2012
PERMIT NO. 23-02

PROJECT NO.
865.1201.12

SCALE
AS SHOWN

DRAWING NO.
1

L:\Republic NC\JMN\JULY 2012 JMN GW Map.dwg Layout=Layout1

Appendix A
Groundwater and Surface Water Field Data Logs

DATE: 7/23-24/2012

JOYCE ENGINEERING

GROUND WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland **Project No. /Task No.:** 00865.1201.12.01

Well ID: MW- 1B **Sampler(s):** A. Everhart / J. Dooley

Well Location: NW corner of LF, background well

Well Diameter: 2 inches

Initial Depth to Water (DTW): 52.80 feet

Depth to Bottom (DTB): 62.59 feet

Water Column Thickness (WCT): 9.79 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.6 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 4.8 gallons

Actual Amount Purged/Bailed: 4.8 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling: 52.89 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1505	19.3	6.11	71.0	11.73	AE
1.6	1510	18.7	5.85	97.9	622	AE
3.2	1514	18.7	5.90	103.5	851	AE
4.8	1519	18.6	5.92	155.4	>1000	AE
	7/24/12					
Before Sampling	840	19.5	6.04	222	48.7	AE

Comments (weather conditions, odor, color, silt, etc.):

Sunny 90's for 7/23 and 7/24

Signature: [signature] **Date:** 7/24/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

DATE: 7/23-24/2012

JOYCE ENGINEERING

GROUND WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland **Project No. /Task No.:** 00865.1201.12.01

Well ID: MW- 1C **Sampler(s):** A. Everhart / J. Dooley

Well Location: NW corner of LF, background well

Well Diameter: 2 inches

Initial Depth to Water (DTW): 50.40 feet

Depth to Bottom (DTB): 78.06 feet

Water Column Thickness (WCT): 27.66 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 4.5 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 13.5 gallons

Actual Amount Purged/Bailed: 13.5 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling: 50.39 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1432	19.9	6.12	282	36	AE
4.5	1442	22.3	6.30	280	41.1	AE
9.0	1452	19.9	6.27	270	45.5	AE
13.5	1503	19.5	6.32	282	53.4	AE
	7/24/12					
Before Sampling	835	18.6	6.40	275	7.92	AE

Comments (weather conditions, odor, color, silt, etc.):

Sunny 90's for 7/23 and 7/24

Signature: [signature] **Date:** 7/24/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

DATE: 7/23-24/2012

JOYCE ENGINEERING

GROUND WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland **Project No. /Task No.:** 00865.1201.12.01

Well ID: MW- 4 **Sampler(s):** A. Everhart / J. Dooley

Well Location: East side of landfill across ditch from perimeter road

Well Diameter: 2 inches

Initial Depth to Water (DTW): 5.75 feet

Depth to Bottom (DTB): 17.2 feet

Water Column Thickness (WCT): 11.45 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.9 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 5.7 gallons

Actual Amount Purged/Bailed: 5.7 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling: - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1307	23.3	5.68	154.5	26.9	AE
1.9	1311	20.8	5.83	180.0	>1000	AE
3.8	1314	19.9	5.81	189.8	>1000	AE
5.7	1317	19.6	5.82	189.2	>1000	AE
	7/24/12					
Before Sampling	820	23.3	5.66	130.5	12.99	AE

Comments (weather conditions, odor, color, silt, etc.):

Sunny 80's for 7/24

Sunny 90's for 7/23

Signature: [illegible] **Date:** 7/24/12

QA/QC Sign Off: Adam Coy **Date:** 8/20/12

DATE: 7/23-24/2012

JOYCE ENGINEERING

GROUND WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland **Project No. /Task No.:** 00865.1201.12.01

Well ID: MW- 5 **Sampler(s):** A. Everhart / J. Dooley

Well Location: East side of landfill along perimeter road

Well Diameter: 2 inches

Initial Depth to Water (DTW): 16.65 feet

Depth to Bottom (DTB): 26.21 feet

Water Column Thickness (WCT): 9.56 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.6 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 4.8 gallons

Actual Amount Purged/Bailed: 4.8 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling: 16.64 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1255	25.8	5.62	447	30.6	AE
1.6	1258	23.5	5.93	1.22	315	AE
3.2	1301	19.3	5.63	389	468	AE
4.8	1304	18.3	5.45	389	632	AE
	7/24/12					
Before Sampling	810	19.2	5.79	443	11	AE

Comments (weather conditions, odor, color, silt, etc.):

Sunny 80's for 7/24

Sunny 90's for 7/23

Signature: [signature] **Date:** 7/24/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

DATE: 7/23-24/2012

JOYCE ENGINEERING

GROUND WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland **Project No./Task No.:** 00865.1201.12.01

Well ID: MW- 6A **Sampler(s):** A. Everhart / J. Dooley

Well Location: overlooking sed. basin, south side of landfill

Well Diameter: 2 inches

Initial Depth to Water (DTW): 29.33 feet

Depth to Bottom (DTB): 39.90 feet

Water Column Thickness (WCT): 10.57 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.7 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 5.1 gallons

Actual Amount Purged/Bailed: 5.1 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling: - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1230	19.0	6.40	149.1	7.26	AE
1.7	1233	18.0	6.23	152.4	10.15	AE
3.4	1237	17.5	6.13	159.7	11.51	AE
5.1	1240	17.7	6.12	149.3	9.17	AE
Before Sampling	1240	17.7	6.12	149.3	9.17	AE

Comments (weather conditions, odor, color, silt, etc.):

Sunny 80's for 7/24

Sunny 90's for 7/23

Signature: [signature] **Date:** 7/23/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

DATE: 7/23-24/2012

JOYCE ENGINEERING

GROUND WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland **Project No./Task No.:** 00865.1201.12.01

Well ID: MW- 7A **Sampler(s):** A. Everhart / J. Dooley

Well Location: SW corner of landfill off perimeter road

Well Diameter: 2 inches

Initial Depth to Water (DTW): 35.85 feet

Depth to Bottom (DTB): 41.73 feet

Water Column Thickness (WCT): 5.88 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 3 gallons

Actual Amount Purged/Bailed: 3 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling: 35.85 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1208	20.2	5.47	364	5.88	AE
1	1213	18.6	5.75	229	42.9	AE
2	1215	19.1	5.67	226	64.6	AE
3	1219	21.8	5.78	233	51.4	AE
	7/24/12					
Before Sampling	755	18.6	5.72	253	7.92	AE

Comments (weather conditions, odor, color, silt, etc.):

Sunny 80's for 7/24

Sunny 90's for 7/23

Signature: [signature] **Date:** 7/24/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

DATE: 7/23-24/2012

JOYCE ENGINEERING

GROUND WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland **Project No./Task No.:** 00865.1201.12.01

Well ID: MW- 8 **Sampler(s):** A. Everhart / J. Dooley

Well Location: along road next to old entrance gate

Well Diameter: 2 inches

Initial Depth to Water (DTW): 48.30 feet

Depth to Bottom (DTB): 53.86 feet

Water Column Thickness (WCT): 5.56 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 0.9 gallons

For 4" Well: WCT X 0.653 = - gallons

For THREE Well Volumes: WV X 3 = 2.7 gallons

Actual Amount Purged/Bailed: 2.7 gallons

Purged with: Disposable bailer

Sampled with: Disposable bailer

Depth to Water before Sampling: 48.30 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1533	20.7	5.32	77.4	8.91	AE
0.9	1534	19.3	5.18	73.7	11.38	AE
1.8	1535	19.5	5.20	69.9	15.58	AE
2.7	1536	19.4	5.22	71.1	33.1	
	7/24/12					
Before Sampling	855	19.5	5.48	75.5	1341	AE

Comments (weather conditions, odor, color, silt, etc.):

Sunny 80's for 7/24

Sunny 90's for 7/23

Field Blank @ 0905 on 7/24/12

Signature: [illegible] **Date:** 7/24/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

DATE: 7/23-24/12

JOYCE ENGINEERING

SURFACE WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland LF **Project/Task No.:** 00865.1201.12.01

Surface Point ID: SW-3 **Sampler(s):** J. Dooley / A. Everhart

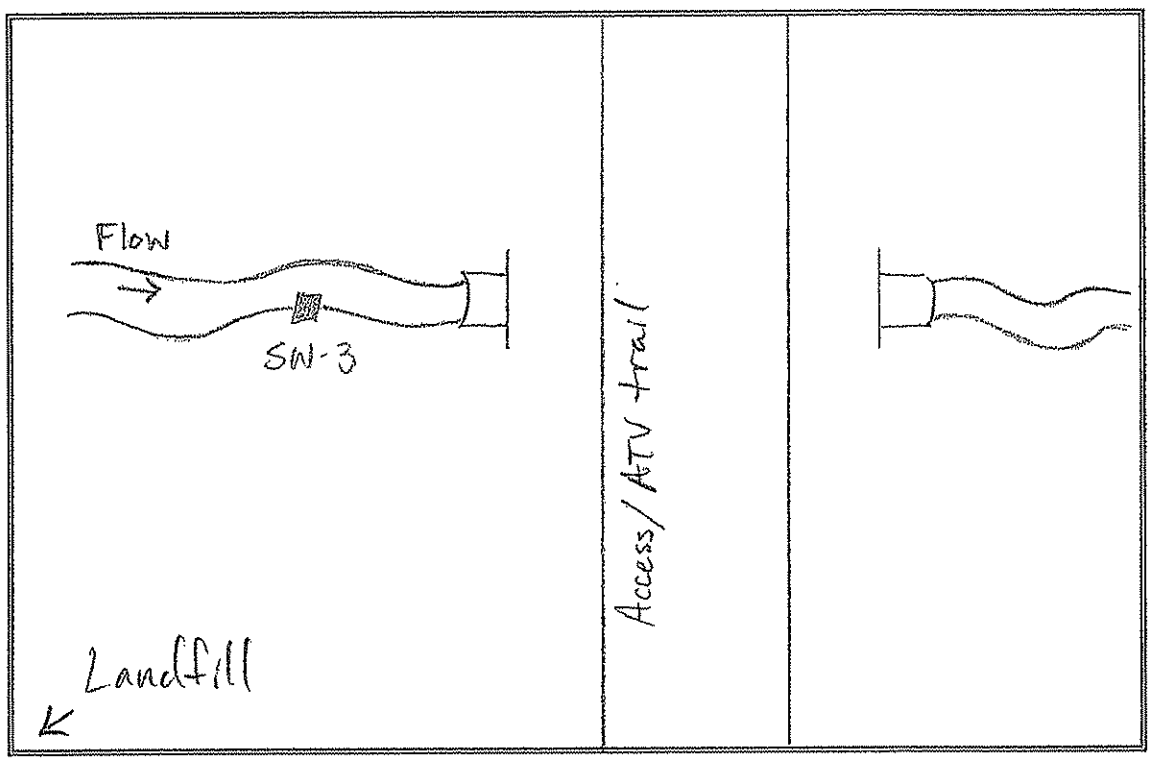
Location: Backside of LF on upstream side of access road

Field Parameters:

Time of Sampling:	1400	
pH:	6.80	
Temperature:	26.1	**(°C)**
Conductivity:	195.6	**(µS)**
Turbidity:	69.1	**(ntu)**
DO:	3.30	**(mg/l)**
ORP:	111.1	**(mV)**

Comments/Sample Description (weather conditions, odor, color, silt, etc.):

Sunny 90's



Signature: [signature] **Date:** 7/23/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

DATE: 7/23-24/12

JOYCE ENGINEERING

SURFACE WATER SAMPLING LOG

Project Name: Republic- JMN/Cleveland LF **Project/Task No.:** 00865.1201.12.01

Surface Point ID: SW-4 **Sampler(s):** J. Dooley / A. Everhart

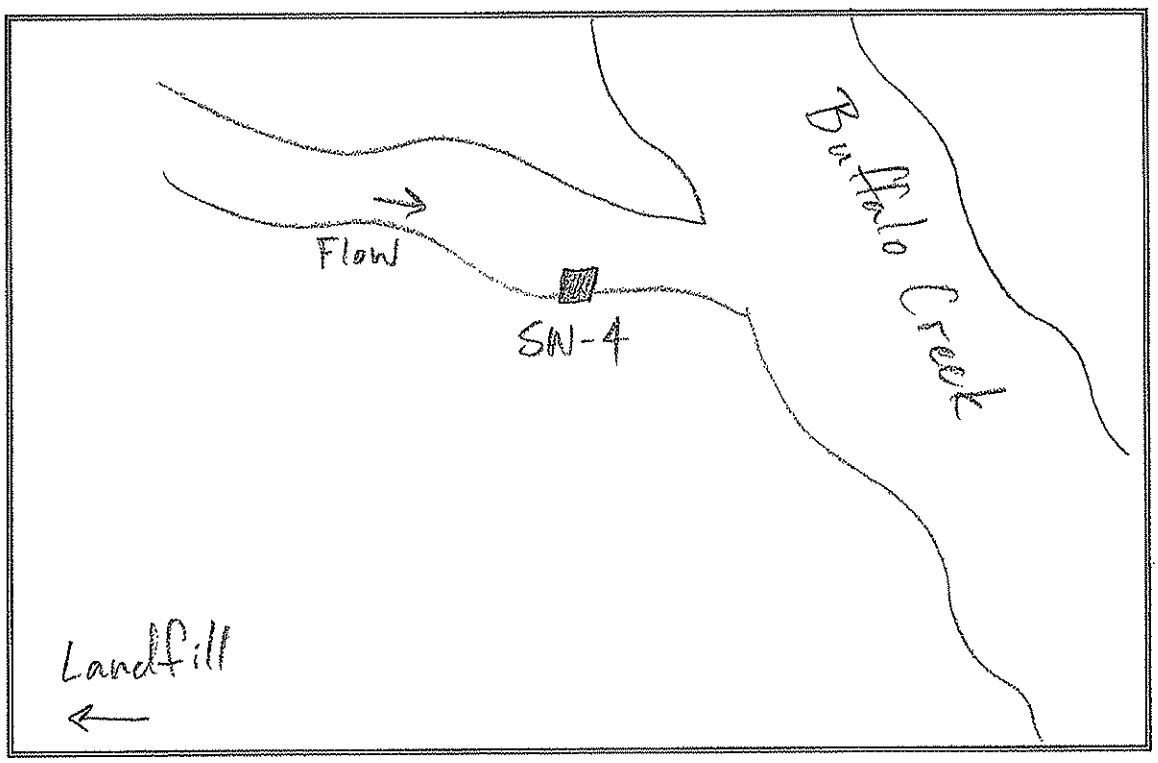
Location: drainage into Buffalo creek at southeast boundary

Field Parameters:

Time of Sampling:	-	
pH:	-	
Temperature:	-	(°C)
Conductivity:	-	(µS)
Turbidity:	-	(ntu)
DO:	-	(mg/l)
ORP:	-	(mV)

Comments/Sample Description (weather conditions, odor, color, silt, etc.):

Sunny 90's, SW-4 point is dry



Signature: [signature] **Date:** 7/23/12

QA/QC Sign Off: Adam Cox **Date:** 8/20/12

Appendix B
July 2012 Laboratory Analytical Report

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Report Number: AVG0673

Project: JMN/Cleveland Container Landfill

Project #:[none]

Prepared For:
Republic Services of North Carolina, LLC
1220 Commerce Street, SW
Conover, NC 28613

Attention: Mr. Ray Hoffman

August 06, 2012

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call. Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).All test results relate only to the samples analyzed.

Approved:

Judy Wagner
Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc.

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2302-MW1B	AVG0673-01	Ground Water	07/24/12 08:40	07/25/12 09:25
2302-MW1C	AVG0673-02	Ground Water	07/24/12 08:35	07/25/12 09:25
2302-MW4	AVG0673-03	Ground Water	07/24/12 08:20	07/25/12 09:25
2302-MW5	AVG0673-04	Ground Water	07/24/12 08:10	07/25/12 09:25
2302-MW6A	AVG0673-05	Ground Water	07/23/12 12:40	07/25/12 09:25
2302-MW7A	AVG0673-06	Ground Water	07/24/12 07:55	07/25/12 09:25
2302-MW8	AVG0673-07	Ground Water	07/24/12 08:55	07/25/12 09:25
2302-SW3	AVG0673-08	Surface Water	07/23/12 14:00	07/25/12 09:25
2302-Field Blank	AVG0673-09	Water	07/24/12 08:55	07/25/12 09:25
2302-Trip Blank	AVG0673-10	Water	07/24/12 08:55	07/25/12 09:25

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW1B
Lab No: AVG0673-01
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:40
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	3.71	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 17:31	2070707
Barium	EPA 6020A	EPA 3005A	80.1	100	1	ug/L	J	0.49	7440-39-3	07/30/12 09:35	07/30/12 17:31	2070707
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.06	7440-43-9	07/30/12 09:35	07/30/12 17:31	2070707
Chromium	EPA 6020A	EPA 3005A	13.2	10.0	1	ug/L		0.71	7440-47-3	07/30/12 09:35	07/30/12 17:31	2070707
Lead	EPA 6020A	EPA 3005A	2.72	10.0	1	ug/L	J	0.09	7439-92-1	07/30/12 09:35	07/30/12 17:31	2070707
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.54	7782-49-2	07/30/12 09:35	07/30/12 17:31	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 17:31	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:16	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 11:30	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 11:30	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 11:30	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 11:30	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 11:30	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 11:30	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 11:30	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 11:30	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 11:30	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 11:30	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 11:30	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 11:30	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW1B
Lab No: AVG0673-01
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:40
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 11:30	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 11:30	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 11:30	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 11:30	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 11:30	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 11:30	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 11:30	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 11:30	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 11:30	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 11:30	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 11:30	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	07/25/12 11:15	07/25/12 11:30	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 11:30	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 11:30	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 11:30	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 11:30	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 11:30	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 11:30	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 11:30	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 11:30	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 11:30	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW1B
Lab No: AVG0673-01
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:40
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 11:30	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 11:30	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 11:30	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 11:30	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 11:30	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 11:30	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 11:30	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 11:30	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 11:30	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 11:30	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 11:30	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 11:30	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 11:30	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 11:30	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	93 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 11:30	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	95 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 11:30	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	99 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 11:30	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	99 %		80-120				460-00-4	07/25/12 11:15	07/25/12 11:30	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW1C
Lab No: AVG0673-02
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:35
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.20	7440-38-2	07/30/12 09:35	07/30/12 17:37	2070707
Barium	EPA 6020A	EPA 3005A	19.3	100	1	ug/L	J	0.49	7440-39-3	07/30/12 09:35	07/30/12 17:37	2070707
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.06	7440-43-9	07/30/12 09:35	07/30/12 17:37	2070707
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.71	7440-47-3	07/30/12 09:35	07/30/12 17:37	2070707
Lead	EPA 6020A	EPA 3005A	0.24	10.0	1	ug/L	J	0.09	7439-92-1	07/30/12 09:35	07/30/12 17:37	2070707
Selenium	EPA 6020A	EPA 3005A	0.66	10.0	1	ug/L	J	0.54	7782-49-2	07/30/12 09:35	07/30/12 17:37	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 17:37	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:18	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 11:58	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 11:58	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 11:58	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 11:58	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 11:58	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 11:58	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 11:58	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 11:58	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 11:58	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 11:58	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 11:58	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 11:58	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW1C
Lab No: AVG0673-02
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:35
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 11:58	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 11:58	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 11:58	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 11:58	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 11:58	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 11:58	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 11:58	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 11:58	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 11:58	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 11:58	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 11:58	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	07/25/12 11:15	07/25/12 11:58	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 11:58	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 11:58	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 11:58	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 11:58	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 11:58	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 11:58	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 11:58	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 11:58	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 11:58	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW1C
Lab No: AVG0673-02
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:35
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 11:58	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 11:58	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 11:58	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 11:58	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 11:58	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 11:58	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 11:58	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 11:58	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 11:58	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 11:58	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 11:58	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 11:58	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 11:58	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 11:58	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	92 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 11:58	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	97 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 11:58	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	98 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 11:58	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	95 %		80-120				460-00-4	07/25/12 11:15	07/25/12 11:58	2070639

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW4
Lab No: AVG0673-03
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:20
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	4.31	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 17:43	2070707
Barium	EPA 6020A	EPA 3005A	22.4	100	1	ug/L	J	0.49	7440-39-3	07/30/12 09:35	07/30/12 17:43	2070707
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.06	7440-43-9	07/30/12 09:35	07/30/12 17:43	2070707
Chromium	EPA 6020A	EPA 3005A	0.73	10.0	1	ug/L	J	0.71	7440-47-3	07/30/12 09:35	07/30/12 17:43	2070707
Lead	EPA 6020A	EPA 3005A	1.41	10.0	1	ug/L	J	0.09	7439-92-1	07/30/12 09:35	07/30/12 17:43	2070707
Selenium	EPA 6020A	EPA 3005A	0.63	10.0	1	ug/L	J	0.54	7782-49-2	07/30/12 09:35	07/30/12 17:43	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 17:43	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:21	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 12:27	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 12:27	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 12:27	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 12:27	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 12:27	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 12:27	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 12:27	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 12:27	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 12:27	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 12:27	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 12:27	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 12:27	2070639

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW4
Lab No: AVG0673-03
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:20
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 12:27	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 12:27	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 12:27	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 12:27	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 12:27	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 12:27	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 12:27	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 12:27	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 12:27	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 12:27	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 12:27	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	07/25/12 11:15	07/25/12 12:27	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 12:27	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 12:27	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 12:27	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 12:27	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 12:27	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 12:27	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 12:27	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 12:27	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 12:27	2070639

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW4
Lab No: AVG0673-03
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:20
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 12:27	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 12:27	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 12:27	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 12:27	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 12:27	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 12:27	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 12:27	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 12:27	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 12:27	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 12:27	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 12:27	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 12:27	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 12:27	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 12:27	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	92 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 12:27	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	97 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 12:27	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	99 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 12:27	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	98 %		80-120				460-00-4	07/25/12 11:15	07/25/12 12:27	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW5
Lab No: AVG0673-04
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:10
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	2.90	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 17:49	2070707
Barium	EPA 6020A	EPA 3005A	314	100	1	ug/L		0.49	7440-39-3	07/30/12 09:35	07/30/12 17:49	2070707
Cadmium	EPA 6020A	EPA 3005A	0.71	1.00	1	ug/L	J	0.06	7440-43-9	07/30/12 09:35	07/30/12 17:49	2070707
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.71	7440-47-3	07/30/12 09:35	07/30/12 17:49	2070707
Lead	EPA 6020A	EPA 3005A	0.18	10.0	1	ug/L	J	0.09	7439-92-1	07/30/12 09:35	07/30/12 17:49	2070707
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.54	7782-49-2	07/30/12 09:35	07/30/12 17:49	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 17:49	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:23	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 12:55	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 12:55	2070639
Benzene	EPA 8260B	EPA 5030B	0.4	1.0	1	ug/L	J	0.1	71-43-2	07/25/12 11:15	07/25/12 12:55	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 12:55	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 12:55	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 12:55	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 12:55	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 12:55	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 12:55	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	5.9	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 12:55	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 12:55	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 12:55	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW5
Lab No: AVG0673-04
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:10
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 12:55	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 12:55	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 12:55	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 12:55	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 12:55	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	10	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 12:55	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	1.7	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 12:55	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 12:55	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 12:55	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 12:55	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 12:55	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	2.0	5.0	1	ug/L	J	0.2	156-59-2	07/25/12 11:15	07/25/12 12:55	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 12:55	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 12:55	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 12:55	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 12:55	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 12:55	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 12:55	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 12:55	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	0.6	1.0	1	ug/L	J	0.2	75-09-2	07/25/12 11:15	07/25/12 12:55	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 12:55	2070639

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Environmental Monitoring & Laboratory Analysis
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(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW5
Lab No: AVG0673-04
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:10
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 12:55	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 12:55	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 12:55	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 12:55	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	0.4	1.0	1	ug/L	J	0.2	127-18-4	07/25/12 11:15	07/25/12 12:55	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 12:55	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 12:55	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 12:55	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 12:55	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 12:55	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 12:55	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 12:55	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 12:55	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 12:55	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	93 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 12:55	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	97 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 12:55	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	98 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 12:55	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	97 %		80-120				460-00-4	07/25/12 11:15	07/25/12 12:55	2070639

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(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW6A
Lab No: AVG0673-05
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/23/12 12:40
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	2.08	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 18:05	2070707
Barium	EPA 6020A	EPA 3005A	23.2	100	1	ug/L	J	0.49	7440-39-3	07/30/12 09:35	07/30/12 18:05	2070707
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.06	7440-43-9	07/30/12 09:35	07/30/12 18:05	2070707
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.71	7440-47-3	07/30/12 09:35	07/30/12 18:05	2070707
Lead	EPA 6020A	EPA 3005A	0.32	10.0	1	ug/L	J	0.09	7439-92-1	07/30/12 09:35	07/30/12 18:05	2070707
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.54	7782-49-2	07/30/12 09:35	07/30/12 18:05	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 18:05	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:25	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 13:24	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 13:24	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 13:24	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 13:24	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 13:24	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 13:24	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 13:24	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 13:24	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 13:24	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 13:24	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 13:24	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 13:24	2070639

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1220 Commerce Street, SW
Conover NC, 28613

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW6A
Lab No: AVG0673-05
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/23/12 12:40
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 13:24	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 13:24	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 13:24	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 13:24	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 13:24	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 13:24	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 13:24	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 13:24	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 13:24	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 13:24	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 13:24	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	07/25/12 11:15	07/25/12 13:24	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 13:24	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 13:24	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 13:24	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 13:24	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 13:24	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 13:24	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 13:24	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 13:24	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 13:24	2070639

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Environmental Monitoring & Laboratory Analysis
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Republic Services of North Carolina, LLC
1220 Commerce Street, SW
Conover NC, 28613

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW6A
Lab No: AVG0673-05
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/23/12 12:40
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 13:24	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 13:24	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 13:24	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 13:24	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 13:24	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 13:24	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 13:24	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 13:24	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 13:24	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 13:24	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 13:24	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 13:24	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 13:24	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 13:24	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	93 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 13:24	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	97 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 13:24	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	98 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 13:24	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	98 %		80-120				460-00-4	07/25/12 11:15	07/25/12 13:24	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW7A
Lab No: AVG0673-06
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 07:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	3.85	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 18:10	2070707
Barium	EPA 6020A	EPA 3005A	101	100	1	ug/L		0.49	7440-39-3	07/30/12 09:35	07/30/12 18:10	2070707
Cadmium	EPA 6020A	EPA 3005A	0.39	1.00	1	ug/L	J	0.06	7440-43-9	07/30/12 09:35	07/30/12 18:10	2070707
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.71	7440-47-3	07/30/12 09:35	07/30/12 18:10	2070707
Lead	EPA 6020A	EPA 3005A	0.22	10.0	1	ug/L	J	0.09	7439-92-1	07/30/12 09:35	07/30/12 18:10	2070707
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.54	7782-49-2	07/30/12 09:35	07/30/12 18:10	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 18:10	2070707
Mercury	EPA 7470A	EPA 7470A	3.51	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:45	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 13:53	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 13:53	2070639
Benzene	EPA 8260B	EPA 5030B	0.8	1.0	1	ug/L	J	0.1	71-43-2	07/25/12 11:15	07/25/12 13:53	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 13:53	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 13:53	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 13:53	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 13:53	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 13:53	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 13:53	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	1.0	3.0	1	ug/L	B-01, J	0.3	108-90-7	07/25/12 11:15	07/25/12 13:53	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 13:53	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 13:53	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW7A
Lab No: AVG0673-06
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 07:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 13:53	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 13:53	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 13:53	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 13:53	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 13:53	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 13:53	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	0.4	1.0	1	ug/L	J	0.3	106-46-7	07/25/12 11:15	07/25/12 13:53	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 13:53	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 13:53	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 13:53	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 13:53	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	2.7	5.0	1	ug/L	J	0.2	156-59-2	07/25/12 11:15	07/25/12 13:53	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 13:53	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 13:53	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 13:53	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 13:53	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 13:53	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 13:53	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 13:53	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 13:53	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 13:53	2070639

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Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW7A
Lab No: AVG0673-06
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 07:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 13:53	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 13:53	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 13:53	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 13:53	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 13:53	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 13:53	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 13:53	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 13:53	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 13:53	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 13:53	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 13:53	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 13:53	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 13:53	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 13:53	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	93 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 13:53	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	97 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 13:53	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	99 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 13:53	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	99 %		80-120				460-00-4	07/25/12 11:15	07/25/12 13:53	2070639

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Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW8
Lab No: AVG0673-07
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	1.55	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 18:16	2070707
Barium	EPA 6020A	EPA 3005A	58.3	100	1	ug/L	J	0.49	7440-39-3	07/30/12 09:35	07/30/12 18:16	2070707
Cadmium	EPA 6020A	EPA 3005A	0.43	1.00	1	ug/L	J	0.06	7440-43-9	07/30/12 09:35	07/30/12 18:16	2070707
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.71	7440-47-3	07/30/12 09:35	07/30/12 18:16	2070707
Lead	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.09	7439-92-1	07/30/12 09:35	07/30/12 18:16	2070707
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.54	7782-49-2	07/30/12 09:35	07/30/12 18:16	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 18:16	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:50	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 14:21	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 14:21	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 14:21	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 14:21	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 14:21	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 14:21	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 14:21	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 14:21	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 14:21	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 14:21	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 14:21	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 14:21	2070639

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1220 Commerce Street, SW
Conover NC, 28613

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW8
Lab No: AVG0673-07
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 14:21	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 14:21	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 14:21	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 14:21	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 14:21	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 14:21	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 14:21	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 14:21	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 14:21	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 14:21	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 14:21	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	0.3	5.0	1	ug/L	J	0.2	156-59-2	07/25/12 11:15	07/25/12 14:21	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 14:21	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 14:21	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 14:21	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 14:21	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 14:21	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 14:21	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 14:21	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 14:21	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 14:21	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-MW8
Lab No: AVG0673-07
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 14:21	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 14:21	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 14:21	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 14:21	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	1.3	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 14:21	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 14:21	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 14:21	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 14:21	2070639
Trichloroethene	EPA 8260B	EPA 5030B	0.2	1.0	1	ug/L	J	0.2	79-01-6	07/25/12 11:15	07/25/12 14:21	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	0.6	1.0	1	ug/L	J	0.2	75-69-4	07/25/12 11:15	07/25/12 14:21	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 14:21	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 14:21	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	1.2	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 14:21	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 14:21	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	92 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 14:21	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	98 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 14:21	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	98 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 14:21	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	98 %		80-120				460-00-4	07/25/12 11:15	07/25/12 14:21	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-SW3
Lab No: AVG0673-08
Matrix: Surface Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/23/12 14:00
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	3.34	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 18:22	2070707
Barium	EPA 6020A	EPA 3005A	110	100	1	ug/L		0.49	7440-39-3	07/30/12 09:35	07/30/12 18:22	2070707
Cadmium	EPA 6020A	EPA 3005A	0.06	1.00	1	ug/L	J	0.06	7440-43-9	07/30/12 09:35	07/30/12 18:22	2070707
Chromium	EPA 6020A	EPA 3005A	2.70	10.0	1	ug/L	J	0.71	7440-47-3	07/30/12 09:35	07/30/12 18:22	2070707
Lead	EPA 6020A	EPA 3005A	3.65	10.0	1	ug/L	J	0.09	7439-92-1	07/30/12 09:35	07/30/12 18:22	2070707
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.54	7782-49-2	07/30/12 09:35	07/30/12 18:22	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 18:22	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:52	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 14:49	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 14:49	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 14:49	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 14:49	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 14:49	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 14:49	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 14:49	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 14:49	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 14:49	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 14:49	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 14:49	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 14:49	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-SW3
Lab No: AVG0673-08
Matrix: Surface Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/23/12 14:00
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 14:49	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 14:49	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 14:49	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 14:49	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 14:49	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 14:49	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 14:49	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 14:49	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 14:49	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 14:49	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 14:49	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	07/25/12 11:15	07/25/12 14:49	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 14:49	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 14:49	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 14:49	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 14:49	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 14:49	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 14:49	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 14:49	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 14:49	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 14:49	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-SW3
Lab No: AVG0673-08
Matrix: Surface Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/23/12 14:00
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 14:49	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 14:49	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 14:49	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 14:49	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 14:49	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 14:49	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 14:49	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 14:49	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 14:49	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 14:49	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 14:49	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 14:49	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 14:49	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 14:49	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	92 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 14:49	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	99 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 14:49	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	99 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 14:49	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	97 %		80-120				460-00-4	07/25/12 11:15	07/25/12 14:49	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-Field Blank
Lab No: AVG0673-09
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	2.14	10.0	1	ug/L	B-01, J	1.20	7440-38-2	07/30/12 09:35	07/30/12 18:28	2070707
Barium	EPA 6020A	EPA 3005A	1.17	100	1	ug/L	J	0.49	7440-39-3	07/30/12 09:35	07/30/12 18:28	2070707
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.06	7440-43-9	07/30/12 09:35	07/30/12 18:28	2070707
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.71	7440-47-3	07/30/12 09:35	07/30/12 18:28	2070707
Lead	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.09	7439-92-1	07/30/12 09:35	07/30/12 18:28	2070707
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.54	7782-49-2	07/30/12 09:35	07/30/12 18:28	2070707
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.10	7440-22-4	07/30/12 09:35	07/30/12 18:28	2070707
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.093	7439-97-6	07/30/12 14:10	07/31/12 15:54	2070708
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 15:18	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 15:18	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 15:18	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 15:18	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 15:18	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 15:18	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 15:18	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 15:18	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 15:18	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 15:18	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 15:18	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 15:18	2070639

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-Field Blank
Lab No: AVG0673-09
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 15:18	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 15:18	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 15:18	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 15:18	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 15:18	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 15:18	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 15:18	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 15:18	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 15:18	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 15:18	2070639
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 15:18	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	07/25/12 11:15	07/25/12 15:18	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 15:18	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 15:18	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 15:18	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 15:18	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 15:18	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 15:18	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 15:18	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 15:18	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 15:18	2070639

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(770) 734-4200 FAX (770) 734-4201

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-Field Blank
Lab No: AVG0673-09
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 15:18	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 15:18	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 15:18	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 15:18	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 15:18	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 15:18	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 15:18	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 15:18	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 15:18	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 15:18	2070639
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 15:18	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 15:18	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 15:18	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 15:18	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	93 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 15:18	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	99 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 15:18	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	99 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 15:18	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	96 %		80-120				460-00-4	07/25/12 11:15	07/25/12 15:18	2070639

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-Trip Blank
Lab No: AVG0673-10
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		6.1	67-64-1	07/25/12 11:15	07/25/12 15:47	2070639
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		1.9	107-13-1	07/25/12 11:15	07/25/12 15:47	2070639
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	71-43-2	07/25/12 11:15	07/25/12 15:47	2070639
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.4	74-97-5	07/25/12 11:15	07/25/12 15:47	2070639
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-27-4	07/25/12 11:15	07/25/12 15:47	2070639
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.0	75-25-2	07/25/12 11:15	07/25/12 15:47	2070639
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		2.0	74-83-9	07/25/12 11:15	07/25/12 15:47	2070639
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.5	75-15-0	07/25/12 11:15	07/25/12 15:47	2070639
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	56-23-5	07/25/12 11:15	07/25/12 15:47	2070639
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	108-90-7	07/25/12 11:15	07/25/12 15:47	2070639
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.7	75-00-3	07/25/12 11:15	07/25/12 15:47	2070639
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.4	67-66-3	07/25/12 11:15	07/25/12 15:47	2070639
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.1	74-87-3	07/25/12 11:15	07/25/12 15:47	2070639
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.3	124-48-1	07/25/12 11:15	07/25/12 15:47	2070639
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		1.0	96-12-8	07/25/12 11:15	07/25/12 15:47	2070639
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	07/25/12 11:15	07/25/12 15:47	2070639
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.4	74-95-3	07/25/12 11:15	07/25/12 15:47	2070639
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	07/25/12 11:15	07/25/12 15:47	2070639
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	07/25/12 11:15	07/25/12 15:47	2070639
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.9	110-57-6	07/25/12 11:15	07/25/12 15:47	2070639
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	07/25/12 11:15	07/25/12 15:47	2070639
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	107-06-2	07/25/12 11:15	07/25/12 15:47	2070639

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

Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-Trip Blank
Lab No: AVG0673-10
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	07/25/12 11:15	07/25/12 15:47	2070639
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	07/25/12 11:15	07/25/12 15:47	2070639
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	156-60-5	07/25/12 11:15	07/25/12 15:47	2070639
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	07/25/12 11:15	07/25/12 15:47	2070639
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-01-5	07/25/12 11:15	07/25/12 15:47	2070639
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	10061-02-6	07/25/12 11:15	07/25/12 15:47	2070639
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	100-41-4	07/25/12 11:15	07/25/12 15:47	2070639
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.8	74-88-4	07/25/12 11:15	07/25/12 15:47	2070639
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.3	591-78-6	07/25/12 11:15	07/25/12 15:47	2070639
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-09-2	07/25/12 11:15	07/25/12 15:47	2070639
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	78-93-3	07/25/12 11:15	07/25/12 15:47	2070639
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.3	108-10-1	07/25/12 11:15	07/25/12 15:47	2070639
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.7	100-42-5	07/25/12 11:15	07/25/12 15:47	2070639
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	07/25/12 11:15	07/25/12 15:47	2070639
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	79-34-5	07/25/12 11:15	07/25/12 15:47	2070639
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	127-18-4	07/25/12 11:15	07/25/12 15:47	2070639
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	07/25/12 11:15	07/25/12 15:47	2070639
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	71-55-6	07/25/12 11:15	07/25/12 15:47	2070639
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-00-5	07/25/12 11:15	07/25/12 15:47	2070639
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	79-01-6	07/25/12 11:15	07/25/12 15:47	2070639
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-69-4	07/25/12 11:15	07/25/12 15:47	2070639

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Attention: Mr. Ray Hoffman

August 06, 2012

Client ID: 2302-Trip Blank
Lab No: AVG0673-10
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 07/24/12 08:55
Date/Time Received: 07/25/12 09:25

Report No.: AVG0673

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
Volatile Organic Compounds by EPA 8260												
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.9	96-18-4	07/25/12 11:15	07/25/12 15:47	2070639
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.3	108-05-4	07/25/12 11:15	07/25/12 15:47	2070639
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	75-01-4	07/25/12 11:15	07/25/12 15:47	2070639
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.8	1330-20-7	07/25/12 11:15	07/25/12 15:47	2070639
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	91 %		75-123				1868-53-7	07/25/12 11:15	07/25/12 15:47	2070639
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	98 %		72-120				17060-07-0	07/25/12 11:15	07/25/12 15:47	2070639
Surr: Toluene-d8	EPA 8260B	EPA 5030B	98 %		75-120				2037-26-5	07/25/12 11:15	07/25/12 15:47	2070639
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	98 %		80-120				460-00-4	07/25/12 11:15	07/25/12 15:47	2070639

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1220 Commerce Street, SW
Conover NC, 28613

Attention: Mr. Ray Hoffman

August 06, 2012

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070707 - EPA 3005A										
Blank (2070707-BLK1)							Prepared & Analyzed: 07/30/12			
Arsenic	1.72	10.0	ug/L							J
Barium	ND	100	ug/L							
Cadmium	ND	1.00	ug/L							
Chromium	ND	10.0	ug/L							
Lead	ND	10.0	ug/L							
Selenium	ND	10.0	ug/L							
Silver	ND	10.0	ug/L							
LCS (2070707-BS1)							Prepared & Analyzed: 07/30/12			
Arsenic	102	10.0	ug/L	100.00		102	80-120			
Barium	97.9	100	ug/L	100.00		98	80-120			J
Cadmium	102	1.00	ug/L	100.00		102	80-120			
Chromium	101	10.0	ug/L	100.00		101	80-120			
Lead	95.6	10.0	ug/L	100.00		96	80-120			
Selenium	100	10.0	ug/L	100.00		100	80-120			
Silver	101	10.0	ug/L	100.00		101	80-120			
Matrix Spike (2070707-MS1)	**Source: AVG0673-04**						Prepared & Analyzed: 07/30/12			
Arsenic	102	10.0	ug/L	100.00	2.90	99	75-125			
Barium	412	100	ug/L	100.00	314	98	75-125			
Cadmium	102	1.00	ug/L	100.00	0.71	101	75-125			
Chromium	95.3	10.0	ug/L	100.00	ND	95	75-125			
Lead	95.4	10.0	ug/L	100.00	0.18	95	75-125			
Selenium	94.6	10.0	ug/L	100.00	ND	95	75-125			
Silver	98.8	10.0	ug/L	100.00	ND	99	75-125			
Matrix Spike Dup (2070707-MSD1)	**Source: AVG0673-04**						Prepared & Analyzed: 07/30/12			

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1220 Commerce Street, SW
Conover NC, 28613

Attention: Mr. Ray Hoffman

August 06, 2012

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070707 - EPA 3005A										
Matrix Spike Dup (2070707-MSD1)		**Source: AVG0673-04**					Prepared & Analyzed: 07/30/12			
Arsenic	100	10.0	ug/L	100.00	2.90	98	75-125	2	20	
Barium	411	100	ug/L	100.00	314	97	75-125	0.2	20	
Cadmium	103	1.00	ug/L	100.00	0.71	102	75-125	0.7	20	
Chromium	96.2	10.0	ug/L	100.00	ND	96	75-125	0.9	20	
Lead	94.6	10.0	ug/L	100.00	0.18	94	75-125	0.7	20	
Selenium	95.5	10.0	ug/L	100.00	ND	96	75-125	0.9	20	
Silver	99.0	10.0	ug/L	100.00	ND	99	75-125	0.2	20	
Post Spike (2070707-PS1)		**Source: AVG0673-04**					Prepared & Analyzed: 07/30/12			
Arsenic	100		ug/L	100.00	2.90	97	80-120			
Barium	412		ug/L	100.00	314	98	80-120			
Cadmium	102		ug/L	100.00	0.71	102	80-120			
Chromium	95.3		ug/L	100.00	-1.26	97	80-120			
Lead	95.2		ug/L	100.00	0.18	95	80-120			
Selenium	95.2		ug/L	100.00	-0.69	96	80-120			
Silver	98.3		ug/L	100.00	0.05	98	80-120			
Batch 2070708 - EPA 7470A										
Blank (2070708-BLK1)							Prepared: 07/30/12 Analyzed: 07/31/12			
Mercury	ND	0.200	ug/L							
LCS (2070708-BS1)							Prepared: 07/30/12 Analyzed: 07/31/12			
Mercury	2.52	0.200	ug/L	2.5000		101	80-120			
Matrix Spike (2070708-MS1)		**Source: AVG0673-04**					Prepared: 07/30/12 Analyzed: 07/31/12			
Mercury	2.43	0.200	ug/L	2.5000	ND	97	75-125			

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Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070708 - EPA 7470A										
Matrix Spike Dup (2070708-MSD1)		**Source: AVG0673-04**					Prepared: 07/30/12 Analyzed: 07/31/12			
Mercury	2.40	0.200	ug/L	2.5000	ND	96	75-125	1	20	
Post Spike (2070708-PS1)		**Source: AVG0673-04**					Prepared: 07/30/12 Analyzed: 07/31/12			
Mercury	1.65		ug/L	1.6667	0.028	97	80-120			
Batch 2070788 - EPA 3005A										
Blank (2070788-BLK1)							Prepared & Analyzed: 08/01/12			
Arsenic	ND	10.0	ug/L							
Barium	ND	100	ug/L							
Cadmium	ND	1.00	ug/L							
Chromium	ND	10.0	ug/L							
Lead	ND	10.0	ug/L							
Selenium	ND	10.0	ug/L							
Silver	ND	10.0	ug/L							
LCS (2070788-BS1)							Prepared & Analyzed: 08/01/12			
Arsenic	106	10.0	ug/L	100.00		106	80-120			
Barium	96.9	100	ug/L	100.00		97	80-120			J
Cadmium	110	1.00	ug/L	100.00		110	80-120			
Chromium	99.2	10.0	ug/L	100.00		99	80-120			
Lead	93.9	10.0	ug/L	100.00		94	80-120			
Selenium	107	10.0	ug/L	100.00		107	80-120			
Silver	105	10.0	ug/L	100.00		105	80-120			
Duplicate (2070788-DUP1)		**Source: AVG0673-01RE1**					Prepared & Analyzed: 08/01/12			
Arsenic	ND	10.0	ug/L		1.63				20	
Barium	78.7	100	ug/L		79.0			0.3	20	J

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Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070788 - EPA 3005A										
Duplicate (2070788-DUP1)		**Source: AVG0673-01RE1**					Prepared & Analyzed: 08/01/12			
Cadmium	0.06	1.00	ug/L		0.06			0	20	J
Chromium	14.5	10.0	ug/L		13.1			10	20	
Lead	2.90	10.0	ug/L		2.77			5	20	J
Selenium	ND	10.0	ug/L		ND				20	
Silver	ND	10.0	ug/L		ND				20	
Matrix Spike (2070788-MS1)		**Source: AVG0794-04**					Prepared & Analyzed: 08/01/12			
Arsenic	112	10.0	ug/L	100.00	14.3	98	75-125			
Barium	128	100	ug/L	100.00	32.4	95	75-125			
Cadmium	110	1.00	ug/L	100.00	ND	110	75-125			
Chromium	96.1	10.0	ug/L	100.00	4.07	92	75-125			
Lead	93.2	10.0	ug/L	100.00	0.79	92	75-125			
Selenium	97.4	10.0	ug/L	100.00	0.97	96	75-125			
Silver	109	10.0	ug/L	100.00	0.11	109	75-125			
Matrix Spike Dup (2070788-MSD1)		**Source: AVG0794-04**					Prepared & Analyzed: 08/01/12			
Arsenic	115	10.0	ug/L	100.00	14.3	100	75-125	2	20	
Barium	130	100	ug/L	100.00	32.4	98	75-125	2	20	
Cadmium	111	1.00	ug/L	100.00	ND	111	75-125	2	20	
Chromium	98.0	10.0	ug/L	100.00	4.07	94	75-125	2	20	
Lead	94.1	10.0	ug/L	100.00	0.79	93	75-125	1	20	
Selenium	99.5	10.0	ug/L	100.00	0.97	99	75-125	2	20	
Silver	110	10.0	ug/L	100.00	0.11	110	75-125	1	20	
Post Spike (2070788-PS1)		**Source: AVG0794-04**					Prepared & Analyzed: 08/01/12			
Arsenic	113		ug/L	100.00	14.3	99	80-120			
Barium	130		ug/L	100.00	32.4	98	80-120			

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Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070788 - EPA 3005A										
Post Spike (2070788-PS1)		**Source: AVG0794-04**					Prepared & Analyzed: 08/01/12			
Cadmium	107		ug/L	100.00	0.01	107	80-120			
Chromium	97.1		ug/L	100.00	4.07	93	80-120			
Lead	92.3		ug/L	100.00	0.79	92	80-120			
Selenium	99.1		ug/L	100.00	0.97	98	80-120			
Silver	105		ug/L	100.00	0.11	105	80-120			

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070639 - EPA 5030B										
Blank (2070639-BLK1)							Prepared & Analyzed: 07/25/12			
Acetone	ND	100	ug/L							
Acrylonitrile	ND	200	ug/L							
Benzene	ND	1.0	ug/L							
Bromochloromethane	ND	3.0	ug/L							
Bromodichloromethane	ND	1.0	ug/L							
Bromoform	ND	3.0	ug/L							
Bromomethane	ND	10	ug/L							
Carbon Disulfide	ND	100	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	0.4	3.0	ug/L							J
Chloroethane	ND	10	ug/L							
Chloroform	ND	5.0	ug/L							
Chloromethane	ND	1.0	ug/L							
Dibromochloromethane	ND	3.0	ug/L							
1,2-Dibromo-3-chloropropane	ND	13	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	5.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
trans-1,4-Dichloro-2-butene	ND	100	ug/L							
1,1-Dichloroethane	ND	5.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	5.0	ug/L							
cis-1,2-Dichloroethene	ND	5.0	ug/L							
trans-1,2-Dichloroethene	ND	5.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							
cis-1,3-Dichloropropene	ND	1.0	ug/L							

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070639 - EPA 5030B										
Blank (2070639-BLK1)							Prepared & Analyzed: 07/25/12			
trans-1,3-Dichloropropene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Iodomethane	ND	10	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	50	ug/L							
Methylene Chloride	ND	1.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	100	ug/L							
Styrene	ND	1.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
Vinyl Acetate	ND	50	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Surr: Dibromofluoromethane	*46*		*ug/L*	*50.000*		*93*	*75-123*			
Surr: 1,2-Dichloroethane-d4	*48*		*ug/L*	*50.000*		*96*	*72-120*			
Surr: Toluene-d8	*49*		*ug/L*	*50.000*		*97*	*75-120*			
Surr: 4-Bromofluorobenzene	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Blank (2070639-BLK2)							Prepared & Analyzed: 08/03/12			

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070639 - EPA 5030B										
Blank (2070639-BLK2)							Prepared & Analyzed: 08/03/12			
Acetone	ND	100	ug/L							
Acrylonitrile	ND	200	ug/L							
Benzene	ND	1.0	ug/L							
Bromochloromethane	ND	3.0	ug/L							
Bromodichloromethane	ND	1.0	ug/L							
Bromoform	ND	3.0	ug/L							
Bromomethane	ND	10	ug/L							
Carbon Disulfide	ND	100	ug/L							
Carbon Tetrachloride	ND	1.0	ug/L							
Chlorobenzene	ND	3.0	ug/L							
Chloroethane	ND	10	ug/L							
Chloroform	ND	5.0	ug/L							
Chloromethane	ND	1.0	ug/L							
Dibromochloromethane	ND	3.0	ug/L							
1,2-Dibromo-3-chloropropane	ND	13	ug/L							
1,2-Dibromoethane	ND	1.0	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	5.0	ug/L							
1,4-Dichlorobenzene	ND	1.0	ug/L							
trans-1,4-Dichloro-2-butene	ND	100	ug/L							
1,1-Dichloroethane	ND	5.0	ug/L							
1,2-Dichloroethane	ND	1.0	ug/L							
1,1-Dichloroethene	ND	5.0	ug/L							
cis-1,2-Dichloroethene	ND	5.0	ug/L							
trans-1,2-Dichloroethene	ND	5.0	ug/L							
1,2-Dichloropropane	ND	1.0	ug/L							
cis-1,3-Dichloropropene	ND	1.0	ug/L							

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070639 - EPA 5030B										
Blank (2070639-BLK2)							Prepared & Analyzed: 08/03/12			
trans-1,3-Dichloropropene	ND	1.0	ug/L							
Ethylbenzene	ND	1.0	ug/L							
Iodomethane	ND	10	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	50	ug/L							
Methylene Chloride	ND	1.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	100	ug/L							
Styrene	ND	1.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L							
Tetrachloroethene	ND	1.0	ug/L							
Toluene	ND	1.0	ug/L							
1,1,1-Trichloroethane	ND	1.0	ug/L							
1,1,2-Trichloroethane	ND	1.0	ug/L							
Trichloroethene	ND	1.0	ug/L							
Trichlorofluoromethane	ND	1.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
Vinyl Acetate	ND	50	ug/L							
Vinyl Chloride	ND	1.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Surr: Dibromofluoromethane	*46*		*ug/L*	*50.000*		*93*	*75-123*			
Surr: 1,2-Dichloroethane-d4	*51*		*ug/L*	*50.000*		*102*	*72-120*			
Surr: Toluene-d8	*48*		*ug/L*	*50.000*		*96*	*75-120*			
Surr: 4-Bromofluorobenzene	*49*		*ug/L*	*50.000*		*98*	*80-120*			
LCS (2070639-BS1)							Prepared & Analyzed: 07/25/12			

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070639 - EPA 5030B										
LCS (2070639-BS1)							Prepared & Analyzed: 07/25/12			
Benzene	52		ug/L	50.000		104	80-120			
Chlorobenzene	52		ug/L	50.000		103	80-120			
1,1-Dichloroethene	45		ug/L	50.000		90	77-121			
Toluene	49		ug/L	50.000		99	78-120			
Trichloroethene	54		ug/L	50.000		108	80-122			
Surr: Dibromofluoromethane	*46*		*ug/L*	*50.000*		*92*	*75-123*			
Surr: 1,2-Dichloroethane-d4	*48*		*ug/L*	*50.000*		*95*	*72-120*			
Surr: Toluene-d8	*50*		*ug/L*	*50.000*		*99*	*75-120*			
Surr: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*99*	*80-120*			
Matrix Spike (2070639-MS1)		**Source: AVG0673-04**					Prepared & Analyzed: 07/25/12			
Benzene	51		ug/L	50.000	0.4	101	80-123			
Chlorobenzene	55		ug/L	50.000	5.9	99	75-120			
1,1-Dichloroethene	44		ug/L	50.000	ND	87	80-120			
Toluene	47		ug/L	50.000	ND	94	80-120			
Trichloroethene	52		ug/L	50.000	0.1	105	80-125			
Surr: Dibromofluoromethane	*46*		*ug/L*	*50.000*		*92*	*75-123*			
Surr: 1,2-Dichloroethane-d4	*49*		*ug/L*	*50.000*		*97*	*72-120*			
Surr: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*75-120*			
Surr: 4-Bromofluorobenzene	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Matrix Spike Dup (2070639-MSD1)		**Source: AVG0673-04**					Prepared & Analyzed: 07/25/12			
Benzene	48		ug/L	50.000	0.4	95	80-123	6	9	
Chlorobenzene	52		ug/L	50.000	5.9	92	75-120	6	13	
1,1-Dichloroethene	40		ug/L	50.000	ND	80	80-120	9	9	

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2070639 - EPA 5030B										
Matrix Spike Dup (2070639-MSD1)		**Source: AVG0673-04**					Prepared & Analyzed: 07/25/12			
Toluene	44		ug/L	50.000	ND	88	80-120	6	9	
Trichloroethene	48		ug/L	50.000	0.1	95	80-125	9	11	
Surr: Dibromofluoromethane	*46*		*ug/L*	*50.000*		*93*	*75-123*			
Surr: 1,2-Dichloroethane-d4	*50*		*ug/L*	*50.000*		*100*	*72-120*			
Surr: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*75-120*			
Surr: 4-Bromofluorobenzene	*49*		*ug/L*	*50.000*		*97*	*80-120*			

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Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2013
NC	North Carolina	381	12/31/2012
NELAC	NELAC (Non-Potable Water, Solids)	E87315	06/30/2013
SC	South Carolina	98011001	07/30/2012
TX	Texas	T104704397-08-TX	03/31/2013
VA	Virginia	1340	12/14/2012

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Legend

Defination of Laboratory Terms

ND - Not Detected at levels greater than or equal to SWSL/RL
SWSL/RL - NC DENR Solid Waste Section LImit/Reporting Limit (Adjusted for DF/Prep Factor)
DF - Dilution Factor
MDL - Method Detection Limit

Qualifiers

J Estimated value less than Reporting Limit (RL) but greater than Method Detection Limit(MDL) (CLP J-Flag).

B-01 Analyte was detected in the associated method blank at an estimated level equal to or greater than the MDL. Sample values reported as greater than the MDL and less than 10x the method blank value are reported as estimated values.

Note: Unless otherwise noted, all results are reported on an as received basis.

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1220 Commerce Street, SW
Conover NC, 28613

Attention: Mr. Ray Hoffman

August 06, 2012

210191

CHAIN OF CUSTODY RECORD

ASI ANALYTICAL SERVICES, INC.
ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS
110 TECHNOLOGY PARKWAY NORCROSS, GA 30092
(770) 734-4200 : FAX (770) 734-4201 : www.asilab.com

PAGE: 1 OF 1

CLIENT NAME: Republic Services of NC
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 1220 Commerce St., SW Conover, NC 28613
REPORT TO: Ray Hoffman
CC: Wm Burbch, Alex Eurhart
REQUESTED COMPLETION DATE: Standard
PO #:
PROJECT NAME/STATE: JMN/Cleveland Container Landfill
PROJECT #: Permit 23-02

ANALYSIS REQUESTED: NC App I VOCs; RCRA Metals

DATE	TIME	MATRIX CODE	COMPOSITE	GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	NC App I VOCs	RCRA Metals	REMARKS/ADDITIONAL INFORMATION
7/24/12	8:40	GW		X	2302-MW1B	4	X	X	1
	8:35	GW		X	2302-MW1C	4	X	X	2
	8:20	GW		X	2302-MW4	4	X	X	3
	8:10	GW		X	2302-MW5	12	X	X	4 MS/MSD
7/23/12	12:40	GW		X	2302-MW6A	4	X	X	5
7/24/12	7:55	GW		X	2302-MW7A	4	X	X	6
	8:55	GW		X	2302-MW8	4	X	X	7
7/23/12	14:00	SW		X	2302-SW3	4	X	X	8 o/n unpreserved VOA DET 7/24/12
		SW		X	2302-SW4				Dry - no sample
7/24/12	9:05	W		X	2302-Field Blank	4	X	X	9
7/23/12	9:00	W		X	2302-Trip Blank	3	X		10

CONTAINER TYPE: P - PLASTIC; A - AMBER GLASS; G - CLEAR GLASS; V - VOA VIAL; S - STERILE; O - OTHER

PRESERVATION: 1 - HCl, 4°; 2 - H2SO4, 4°; 3 - HNO3, 4°; 4 - NaOH, 4°; 5 - NaOH/ZnAc, 4°; 6 - Na2S2O3, 4°; 7 - 4°

MATRIX CODES: DW - DRINKING WATER; WW - WASTEWATER; GW - GROUNDWATER; SW - SURFACE WATER; ST - STORM WATER; W - WATER; S - SOIL; SL - SLUDGE; SD - SOLID; A - AIR; L - LIQUID; P - PRODUCT

SAMPLED BY AND TITLE: Alex Eurhart Consultant — DATE/TIME: 7/24/12 17:00
RECEIVED BY: — DATE/TIME:
RELINQUISHED BY: — DATE/TIME: 7/24/12 17:00
RELINQUISHED BY: — DATE/TIME:
RECEIVED BY/LAB: — DATE/TIME: 7/25/12 0925
pH: Labeled Preserved Ice: (Yes) or No
SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:
Temperature: Custody Seal: Intact Broken Missing Cooler#
In-house location: V1
Entered into LIMS:
FOR LAB USE ONLY — LAB #: AIL-0679

Please use Black ink to complete form.

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

LOG-IN CHECKLIST **Printed: 8/6/2012 11:39:11AM**

Attn: Mr. Ray Hoffman

Client: Republic Services of North Carolina, LLC
Project: JMN/Cleveland Container Landfill
Date Received: 07/25/12 09:25
Work Order: AVG0673
Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 10 **#Containers:** 46

Minimum Temp(C): 1.0 **Maximum Temp(C):** 1.0 **Custody Seal(s) Used:** Yes

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	NO
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	YES
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:

One unpreserved vial labeled SW3 was broken in transit. CFH