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):

Jett Environmental Consulting, PLLC

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

Name: Steve Jett Phone: (314) 496-4654

E-mail: steve.jett@jettenviro.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	January 19 - 20, 2015

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.

Steve Jett — Facility Representative Name (Print)
Owner — Title
(314) 496-4654 — (Area Code) Telephone Number

Signature
3/13/15 — Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1825 GEOLOGIST STEVEN S. JETT 3/13/15

Jett Environmental Consulting, PLLC, 10 Quiet Brook Court, St. Charles, MO 63303
Facility Representative Address

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

Revised 6/2009

March 13, 2015 ***Submitted via Electronic Mail***

Ms. Jackie Drummond
North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
Asheville Regional Office
2090 US Highway 70
Swannanoa, NC 28778

Re: Submittal of Groundwater and Surface Water Monitoring Results
First Semi-Annual 2015 Event
JMN/Cleveland Container Landfill
Cleveland County, North Carolina, Permit # 23-02

Dear Ms. Drummond:

On behalf of Republic Services of North Carolina, LLC, Jett Environmental Consulting is providing a water quality summary for the First Semi-Annual 2015 sampling event for the JMN/Cleveland Container Landfill. Groundwater and surface water sampling was completed by Analytical Services, Inc. (ASI) on January 20, 2015 and analytical testing was performed by ASI. The groundwater and surface water samples were analyzed for the North Carolina Department of Environment and Natural Resources (NCDENR) Appendix I organic compounds and Resource Conservation Recovery Act (RCRA) total metals (arsenic, barium, cadmium, chromium, lead, selenium, silver, and mercury).

Groundwater Flow Rate & Direction

The attached **Figure 1** provides a potentiometric surface map utilizing water level data from the First Semi-Annual 2015 event. Groundwater flow direction for the First Semi-Annual 2015 event was to the south-southeast, consistent with past reports.

To calculate the average linear groundwater velocity, the hydraulic gradient was measured from the potentiometric surface map. The groundwater velocities are then calculated from the following equation:

*v = [Ki/n] * 365*
where:
v = groundwater flow velocity (feet/day)
K = hydraulic conductivity (feet/day)
i = hydraulic gradient (feet/feet)
n = effective porosity (dimensionless)

According to the "Site Hydrogeologic Report" compiled by Bunnell-Lammons Engineering, Inc. (dated July 5, 2001), the groundwater beneath the facility is present in a shallow, unconfined aquifer comprised of partially saprolite and weathered, fractured, meta-volcanic rock. The groundwater flow in the uppermost aquifer beneath the site is towards the southeast and Buffalo Creek. Based on the Site Hydrogeologic Report, the hydraulic conductivity measurements for the saprolite and partially weathered rock ranges from 0.41 feet/day to 0.84 feet/day and the effective porosity measurements range from 22% to 33%.

During the First Semi-Annual 2015 event, the hydraulic gradient from the north to south portion of the site was estimated at 0.0666 feet/feet (see **Figure 1**).

Using the above hydraulic conductivity ranges, the effective porosity ranges, and a hydraulic gradient of 0.0666 feet/feet, the calculated groundwater flow rate was estimated to range from 0.08 feet/day (29 feet/year) to 0.25 feet/day (91 feet/year) for the First Semi-Annual 2015 event.

Effectiveness of the Monitoring Systems

The groundwater monitoring well network is designed to detect potential effects on groundwater from the facility. The designated upgradient monitoring wells, MW-1B and MW-1C, are positioned to monitor background groundwater quality for the facility. The remaining five wells (MW-4, MW-5, MW-6A, MW-7A, and MW-8) are positioned in the downgradient position around the base of the landfill footprint. Each of the wells was sampled during the First Semi-Annual 2015 event.

The surface water monitoring network is designed to detect potential effects on surface water from the facility. The designated upgradient point, SW-3, is positioned to monitor background surface water quality for the facility. The designated downgradient point, SW-4, is positioned to monitor surface water quality downstream from the landfill. During the First Semi-Annual 2015 event, surface water monitoring point SW-4 was dry and not able to be sampled. Surface water monitoring point SW-3 was able to be sampled during the First Semi-Annual 2015 event.

Based on a review of well and surface water locations, groundwater flow directions, flow gradients, flow rates, and sampling availability, the present monitoring program is considered sufficient to monitor groundwater and surface water quality surrounding the facility.

Monitoring Summary & Recommendations

A summary of the inorganic results and organic detections for the First Semi-Annual 2015 event are summarized on **Table 1**. The following is a brief summary of the monitoring data from the First Semi-Annual 2015 event:

Results Above SWSLs

As presented in **Table 1**, two inorganic constituents (barium and cadmium) were reported at quantified concentrations above the detection limits specified in the Solid Waste Section Report Limits (SWSLs) in groundwater samples. Barium was detected above the SWSL at MW-5. Cadmium was detected above the SWSL at MW-8.

As presented on **Table 1**, four organic constituents (1,2-dichlorobenzene, 1,4-dichlorobenzene, and chlorobenzene at MW-5; and tetrachloroethylene at MW-8) were reported at quantified concentrations above their respective SWSLs in groundwater samples. Each of the organic compounds detected above an SWSL during the First Semi-Annual 2015 event has also been detected at similar concentrations during previous events.

One RCRA metal was detected above an SWSL in the SW-3 surface water sample collected: barium.

No Appendix I organic constituents were detected above SWSLs in surface water samples.

Results Above NC 2L Groundwater Standards

As presented on **Table 1**, cadmium and tetrachloroethylene at MW-8 were detected at quantified concentrations above their respective NC 2L Groundwater Standards. These detections are consistent with historical data at the site and are not trending upward. No other constituents detected exceeded their respective NC 2L Groundwater Standard.

Results Above NC 2B Surface Water Standards

As presented on **Table 1**, no detections for the SW-3 surface water sample were reported above the respective NC 2B Surface Water Standards.

Recommendations

It is recommended that groundwater and surface water monitoring continue at the site in accordance with the requirements for industrial landfills outlined in Title 15A NCAC 13B .0500. The next semi-annual groundwater and surface water sampling event is tentatively scheduled for July 2015.

Should you have any questions or concerns, please contact Mr. Mike Gurley at (704) 262-6019 or Steve Jett at (314) 496-4654.

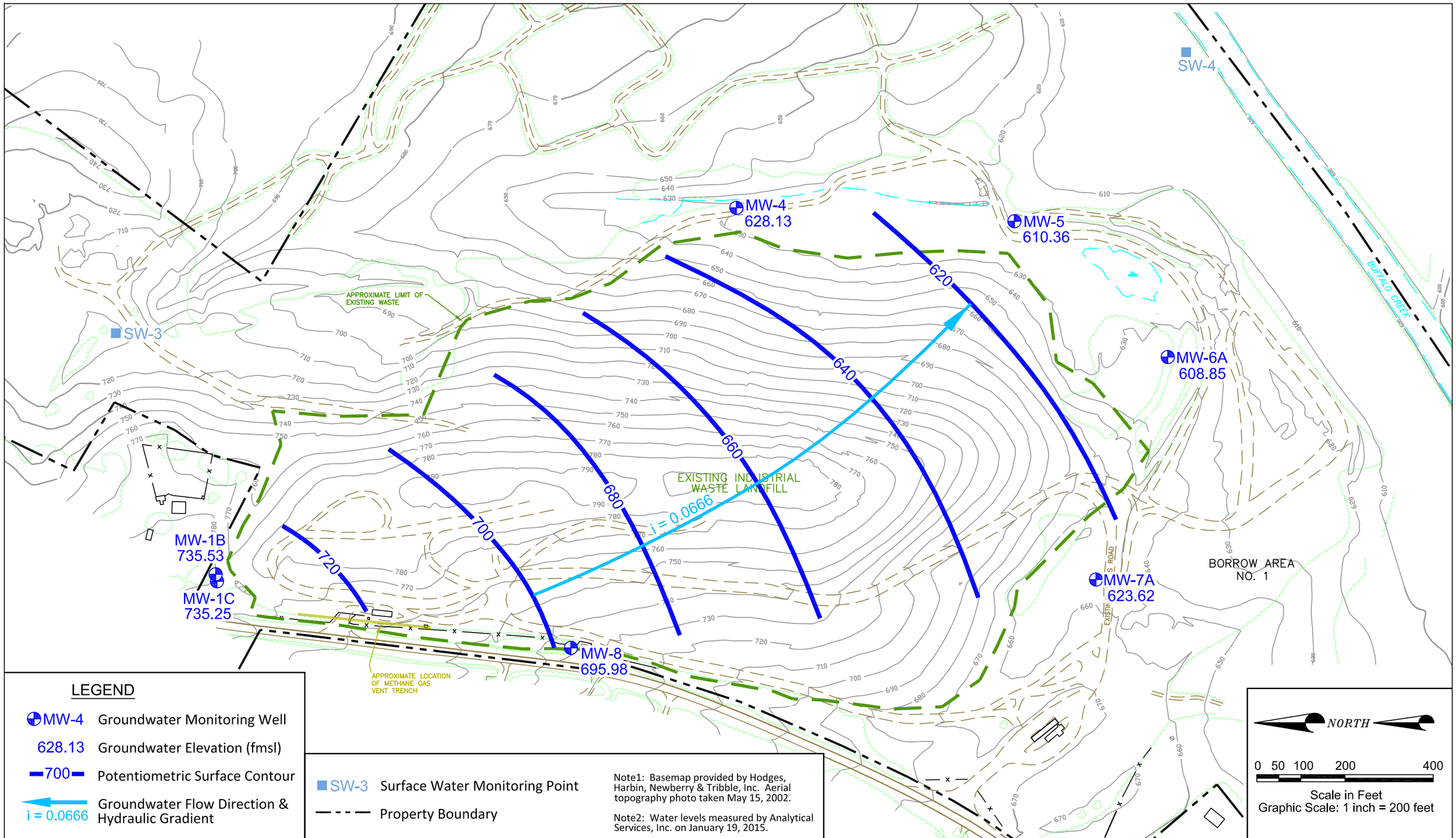
Sincerely,

Steve Jett, LG #1825
Owner, Jett Environmental Consulting, PLLC (C-517)

Attachments *Figure 1 – Potentiometric Surface Map*
Table 1 – Data Compared to NC Standards, First Semi-Annual 2015 Event
Attachment A - Laboratory Analytical Report & Field Information Forms

cc: *Mike Gurley, Republic Services, Inc. (1 Hardcopy)*
Dan Lockett, Republic Services, Inc. (PDF via Email)
Joe Montello, Republic Services, Inc. (PDF via Email)

Figure



LEGEND

MW-4	Groundwater Monitoring Well
628.13	Groundwater Elevation (fmsl)
700	Potentiometric Surface Contour
i = 0.0666	Groundwater Flow Direction & Hydraulic Gradient
SW-3	Surface Water Monitoring Point
	Property Boundary

Note1: Basemap provided by Hodges, Harbin, Newberry & Tribble, Inc. Aerial topography photo taken May 15, 2002.

Note2: Water levels measured by Analytical Services, Inc. on January 19, 2015.

JETT ENVIRONMENTAL CONSULTING
10 Quiet Brook Court
St. Charles, MO 63303
314-496-4654
www.jettenviro.com

Figure 1, January 2015 Event, Potentiometric Surface Map
JMN / Cleveland Container Landfill, Cleveland County, North Carolina

Groundwater Elevation Summary Table
JMN/Cleveland Container Landfill

Well	Gradient Status	Top of PVC Casing Elevation (fmsl)[1]	Depth to Water (ft)[2]	Groundwater Elevation (fmsl)
MW-1B	Upgradient	783.13	47.60	735.53
MW-1C	Upgradient	780.61	45.36	735.25
MW-4	Downgradient	633.34	5.21	628.13
MW-5	Downgradient	625.64	15.28	610.36
MW-6A	Downgradient	637.16	28.31	608.85
MW-7A	Downgradient	658.76	35.14	623.62
MW-8	Downgradient	739.84	43.86	695.98

Note 1: Top of PVC Casing Elevations from Table 3 of the Second Semi-Annual Water Quality Monitoring Report of 2012, dated September 2012 by Joyce Engineering.

Note 2: Depth to water collected by Analytical Services, Inc. on January 19, 2015.

Table

TABLE 1
FIRST SEMI-ANNUAL 2015 EVENT DATA COMPARED TO NC STANDARDS
JMN / CLEVELAND CONTAINER LANDFILL

GROUNDWATER SAMPLES

Constituent	Units	NC 2L Standard	MDL	SWSL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8
Arsenic, Total	ug/L	**10**	1.13	10	<10.0	<10.0	J 1.31	<10.0	<10.0	<10.0	J 3.9
Barium, Total	ug/L	**700**	0.1	100	J 51.2	J 22.7	J 35.8	299	J 10.4	J 67.6	J 71.7
Cadmium, Total	ug/L	**2**	0.05	1	J 0.26	J 0.31	J 0.08	J 0.59	<1.00	J 0.51	2.93
Chromium, Total	ug/L	**10**	0.73	10	J 7.39	J 1.63	J 1.24	<10.0	<10.0	J 3.22	<10.0
Lead, Total	ug/L	**15**	0.05	10	J 1.48	J 0.13	J 0.57	<10.0	J 0.05	<10.0	J 0.69
Mercury, Total	ug/L	**1**	0.064	0.2	<0.200	<0.200	<0.200	<0.200	<0.200	J 0.194	<0.200
Selenium, Total	ug/L	**20**	1.01	10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Silver, Total	ug/L	**20**	0.17	10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Field - pH	pH Units	**NE**	NE	NE	5.67	6.16	6.12	5.31	5.91	5.6	5.45
Field - Specific Conductance	umhos/cm	**NE**	NE	NE	85	200	179	260	49	133	82
Field - Temperature	°C	**NE**	NE	NE	16.5	16.4	14	16.7	16.3	16.5	16.8
Field - Turbidity	NTU	**NE**	NE	NE	11	6.54	13	5.14	2.16	5.47	5.77

Constituent (ug/L)	Units	NC 2L Standard	MDL	SWSL	MW-1B	MW-1C	MW-4	MW-5	MW-6A	MW-7A	MW-8
1,2-Dichlorobenzene	ug/L	**20**	0.3	5	<5.0	<5.0	<5.0	6.8	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	ug/L	**6**	0.3	1	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0
Acetone	ug/L	**6,000**	5.7	100	<100	<100	<100	<100	<100	<100	J 24
Benzene	ug/L	**1**	0.2	1	<1.0	<1.0	<1.0	J 0.5	<1.0	<1.0	J 0.5
Chlorobenzene	ug/L	**50**	0.2	3	<3.0	<3.0	<3.0	7	<3.0	<3.0	<3.0
Chloroform	ug/L	**70**	0.2	5	J 0.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethylene	ug/L	**70**	0.2	5	<5.0	<5.0	<5.0	J 2.2	<5.0	J 0.4	J 1.2
Tetrachloroethylene	ug/L	**0.7**	0.4	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Toluene	ug/L	**600**	0.2	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	J 0.7
Trichloroethylene	ug/L	**3**	0.4	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	J 0.8
Vinyl Chloride	ug/L	**0.03**	0.3	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	J 1
Xylenes (Total)	ug/L	**500**	0.5	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	J 0.5

SURFACE WATER SAMPLES

Constituent	Units	NC 2B Standard	MDL	SWSL	SW-3	SW-4
Arsenic, Total	ug/L	**10**	1.13	10	<10.0	Dry
Barium, Total	ug/L	**1000**	0.1	100	110	Dry
Cadmium, Total	ug/L	**2**	0.05	1	J 0.07	Dry
Chromium, Total	ug/L	**20**	0.73	10	J 7.47	Dry
Lead, Total	ug/L	**25**	0.05	10	J 4.84	Dry
Mercury, Total	ug/L	**0.012**	0.064	0.2	<0.200	Dry
Selenium, Total	ug/L	**5**	1.01	10	<10.0	Dry
Silver, Total	ug/L	**0.06**	0.17	10	<10.0	Dry
Field - Dissolved Oxygen	mg/L	**NE**	NE	NE	5.84	Dry
Field - pH	pH Units	**NE**	NE	NE	6.08	Dry
Field - Specific Conductance	umhos/cm	**NE**	NE	NE	99	Dry
Field - Temperature	°C	**NE**	NE	NE	5.11	Dry
Field - Turbidity	NTU	**NE**	NE	NE	7.89	Dry

NE: Denotes a NC 2L or NC 2B Standard is not established.
Only the VOCs detected during this event are displayed on the table.
J: Denotes Sample result above the MDL but below the SWSL; estimated value; value may not be accurate.
Denotes result above an SWSL and above an NC 2L or NC 2B Standard:

Attachment A
Laboratory Analytical Report
&
Field Information Forms

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: AYA0440

Project: JMN/Cleveland Container Landfill

Project #:[none]

Prepared For:
Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord, NC 28027

Attention: Mr. Mike Gurley

January 29, 2015

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:

Project Manager

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

ASI

ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2302-MW1B	AYA0440-01	Ground Water	01/19/15 13:38	01/20/15 14:40
2302-MW1B	AYA0440-02	Ground Water	01/20/15 09:05	01/20/15 14:40
2302-MW1C	AYA0440-03	Ground Water	01/19/15 14:20	01/20/15 14:40
2302-MW1C	AYA0440-04	Ground Water	01/20/15 09:08	01/20/15 14:40
2302-MW4	AYA0440-05	Ground Water	01/19/15 13:15	01/20/15 14:40
2302-MW4	AYA0440-06	Ground Water	01/20/15 08:29	01/20/15 14:40
2302-MW5	AYA0440-07	Ground Water	01/19/15 13:01	01/20/15 14:40
2302-MW5	AYA0440-08	Ground Water	01/20/15 08:25	01/20/15 14:40
2302-MW6A	AYA0440-09	Ground Water	01/19/15 12:49	01/20/15 14:40
2302-MW6A	AYA0440-10	Ground Water	01/20/15 08:21	01/20/15 14:40
2302-MW7A	AYA0440-11	Ground Water	01/19/15 12:32	01/20/15 14:40
2302-MW7A	AYA0440-12	Ground Water	01/20/15 08:17	01/20/15 14:40
2302-MW8	AYA0440-13	Ground Water	01/19/15 12:19	01/20/15 14:40
2302-MW8	AYA0440-14	Ground Water	01/20/15 09:23	01/20/15 14:40
2302-SW3	AYA0440-15	Surface Water	01/20/15 08:42	01/20/15 14:40
2302-Field Blank	AYA0440-16	Water	01/19/15 14:21	01/20/15 14:40
2302-Duplicate	AYA0440-17	Ground Water	01/19/15 00:00	01/20/15 14:40
2302-Duplicate	AYA0440-18	Ground Water	01/20/15 00:00	01/20/15 14:40
2302-Trip Blank	AYA0440-19	Water	01/19/15 00:00	01/20/15 14:40

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110 Technology Parkway, Norcross, GA 30092

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1B
Lab No: AYA0440-01
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:38
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	85	1	1	umhos/cm		1	COND	01/19/15 13:38	01/19/15 13:38	5010519
Dissolved Oxygen	SM 4500-O G	NA	6020	0.0	1	ug/L		0.0	NA	01/19/15 13:38	01/19/15 13:38	5010519
Field - pH	EPA 9040C	NA	5.67		1	pH Units			PH	01/19/15 13:38	01/19/15 13:38	5010519
Field - Redox	NA	NA	48		1	mV			REDOX	01/19/15 13:38	01/19/15 13:38	5010519
Field - Temperature	SM 2550 B	NA	16.5		1	°C			TEMP	01/19/15 13:38	01/19/15 13:38	5010519
Field - Turbidity	EPA 180.1	NA	800		1	NTU	>		TURB	01/19/15 13:38	01/19/15 13:38	5010519
Field - Water Level	NA	NA	47.60		1	feet			WL	01/19/15 13:38	01/19/15 13:38	5010519
Field - Well Depth	NA	NA	62.50		1	feet				01/19/15 13:38	01/19/15 13:38	5010519
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 08:30	01/21/15 12:09	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 12:09	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 12:09	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 12:09	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 12:09	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 12:09	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 12:09	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 12:09	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 12:09	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 12:09	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 12:09	5010387
Chloroform	EPA 8260B	EPA 5030B	0.2	5.0	1	ug/L	J	0.2	67-66-3	01/21/15 08:30	01/21/15 12:09	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1B
Lab No: AYA0440-01
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:38
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 12:09	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 12:09	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 12:09	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 12:09	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 12:09	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 12:09	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 12:09	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 12:09	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 12:09	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 12:09	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 12:09	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	01/21/15 08:30	01/21/15 12:09	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 12:09	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 12:09	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 12:09	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 12:09	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 12:09	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 12:09	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 12:09	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 12:09	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 12:09	5010387

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1B
Lab No: AYA0440-01
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:38
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 12:09	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 12:09	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 12:09	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 12:09	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 12:09	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 12:09	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 12:09	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 12:09	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 12:09	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 12:09	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 12:09	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 12:09	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 12:09	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 12:09	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	98 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 12:09	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	105 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 12:09	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	104 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 12:09	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	112 %		80-120				460-00-4	01/21/15 08:30	01/21/15 12:09	5010387

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ANALYTICAL SERVICES, INC.

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

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1B
Lab No: AYA0440-02
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 09:05
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Turbidity	EPA 180.1	NA	11.0		1	NTU			TURB	01/20/15 09:05	01/20/15 09:05	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.13	7440-38-2	01/23/15 08:50	01/23/15 15:05	5010446
Barium	EPA 6020A	EPA 3005A	51.2	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 15:05	5010446
Cadmium	EPA 6020A	EPA 3005A	0.26	1.00	1	ug/L	J	0.05	7440-43-9	01/23/15 08:50	01/23/15 15:05	5010446
Chromium	EPA 6020A	EPA 3005A	7.39	10.0	1	ug/L	J	0.73	7440-47-3	01/23/15 08:50	01/23/15 15:05	5010446
Lead	EPA 6020A	EPA 3005A	1.48	10.0	1	ug/L	J	0.05	7439-92-1	01/23/15 08:50	01/23/15 15:05	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 15:05	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 15:05	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 14:46	5010402

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5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1C
Lab No: AYA0440-03
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 14:20
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	200	1	1	umhos/cm		1	COND	01/19/15 14:20	01/19/15 14:20	5010519
Dissolved Oxygen	SM 4500-O G	NA	4400	0.0	1	ug/L		0.0	NA	01/19/15 14:20	01/19/15 14:20	5010519
Field - pH	EPA 9040C	NA	6.16		1	pH Units			PH	01/19/15 14:20	01/19/15 14:20	5010519
Field - Redox	NA	NA	86		1	mV			REDOX	01/19/15 14:20	01/19/15 14:20	5010519
Field - Temperature	SM 2550 B	NA	16.4		1	°C			TEMP	01/19/15 14:20	01/19/15 14:20	5010519
Field - Turbidity	EPA 180.1	NA	24.0		1	NTU			TURB	01/19/15 14:20	01/19/15 14:20	5010519
Field - Water Level	NA	NA	45.36		1	feet			WL	01/19/15 14:20	01/19/15 14:20	5010519
Field - Well Depth	NA	NA	78.03		1	feet				01/19/15 14:20	01/19/15 14:20	5010519
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 08:30	01/21/15 12:35	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 12:35	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 12:35	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 12:35	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 12:35	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 12:35	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 12:35	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 12:35	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 12:35	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 12:35	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 12:35	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 12:35	5010387

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ANALYTICAL SERVICES, INC.

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110 Technology Parkway, Norcross, GA 30092

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1C
Lab No: AYA0440-03
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 14:20
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 12:35	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 12:35	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 12:35	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 12:35	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 12:35	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 12:35	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 12:35	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 12:35	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 12:35	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 12:35	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 12:35	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	01/21/15 08:30	01/21/15 12:35	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 12:35	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 12:35	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 12:35	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 12:35	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 12:35	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 12:35	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 12:35	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 12:35	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 12:35	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1C
Lab No: AYA0440-03
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 14:20
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 12:35	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 12:35	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 12:35	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 12:35	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 12:35	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 12:35	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 12:35	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 12:35	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 12:35	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 12:35	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 12:35	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 12:35	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 12:35	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 12:35	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	100 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 12:35	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	106 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 12:35	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	101 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 12:35	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	110 %		80-120				460-00-4	01/21/15 08:30	01/21/15 12:35	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW1C
Lab No: AYA0440-04
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 09:08
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Turbidity	EPA 180.1	NA	6.54		1	NTU			TURB	01/20/15 09:08	01/20/15 09:08	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.13	7440-38-2	01/23/15 08:50	01/23/15 15:10	5010446
Barium	EPA 6020A	EPA 3005A	22.7	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 15:10	5010446
Cadmium	EPA 6020A	EPA 3005A	0.31	1.00	1	ug/L	J	0.05	7440-43-9	01/23/15 08:50	01/23/15 15:10	5010446
Chromium	EPA 6020A	EPA 3005A	1.63	10.0	1	ug/L	J	0.73	7440-47-3	01/23/15 08:50	01/23/15 15:10	5010446
Lead	EPA 6020A	EPA 3005A	0.13	10.0	1	ug/L	J	0.05	7439-92-1	01/23/15 08:50	01/23/15 15:10	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 15:10	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 15:10	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 14:49	5010402

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW4
Lab No: AYA0440-05
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:15
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	179	1	1	umhos/cm		1	COND	01/19/15 13:15	01/19/15 13:15	5010519
Dissolved Oxygen	SM 4500-O G	NA	2040	0.0	1	ug/L		0.0	NA	01/19/15 13:15	01/19/15 13:15	5010519
Field - pH	EPA 9040C	NA	6.12		1	pH Units			PH	01/19/15 13:15	01/19/15 13:15	5010519
Field - Redox	NA	NA	-39		1	mV			REDOX	01/19/15 13:15	01/19/15 13:15	5010519
Field - Temperature	SM 2550 B	NA	14.0		1	°C			TEMP	01/19/15 13:15	01/19/15 13:15	5010519
Field - Turbidity	EPA 180.1	NA	800		1	NTU	>		TURB	01/19/15 13:15	01/19/15 13:15	5010519
Field - Water Level	NA	NA	5.21		1	feet			WL	01/19/15 13:15	01/19/15 13:15	5010519
Field - Well Depth	NA	NA	17.31		1	feet				01/19/15 13:15	01/19/15 13:15	5010519
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 08:30	01/21/15 13:02	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 13:02	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 13:02	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 13:02	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 13:02	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 13:02	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 13:02	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 13:02	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 13:02	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 13:02	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 13:02	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 13:02	5010387

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ANALYTICAL SERVICES, INC.

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW4
Lab No: AYA0440-05
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:15
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 13:02	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 13:02	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 13:02	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 13:02	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 13:02	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 13:02	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 13:02	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 13:02	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 13:02	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 13:02	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 13:02	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	01/21/15 08:30	01/21/15 13:02	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 13:02	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 13:02	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 13:02	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 13:02	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 13:02	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 13:02	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 13:02	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 13:02	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 13:02	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW4
Lab No: AYA0440-05
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:15
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 13:02	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 13:02	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 13:02	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 13:02	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 13:02	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 13:02	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 13:02	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 13:02	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 13:02	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 13:02	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 13:02	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 13:02	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 13:02	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 13:02	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	99 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 13:02	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	107 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 13:02	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	101 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 13:02	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	109 %		80-120				460-00-4	01/21/15 08:30	01/21/15 13:02	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW4
Lab No: AYA0440-06
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:29
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Turbidity	EPA 180.1	NA	13.0		1	NTU			TURB	01/20/15 08:29	01/20/15 08:29	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	1.31	10.0	1	ug/L	J	1.13	7440-38-2	01/23/15 08:50	01/23/15 15:15	5010446
Barium	EPA 6020A	EPA 3005A	35.8	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 15:15	5010446
Cadmium	EPA 6020A	EPA 3005A	0.08	1.00	1	ug/L	J	0.05	7440-43-9	01/23/15 08:50	01/23/15 15:15	5010446
Chromium	EPA 6020A	EPA 3005A	1.24	10.0	1	ug/L	J	0.73	7440-47-3	01/23/15 08:50	01/23/15 15:15	5010446
Lead	EPA 6020A	EPA 3005A	0.57	10.0	1	ug/L	J	0.05	7439-92-1	01/23/15 08:50	01/23/15 15:15	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 15:15	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 15:15	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 14:51	5010402

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW5
Lab No: AYA0440-07
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:01
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	260	1	1	umhos/cm		1	COND	01/19/15 13:01	01/19/15 13:01	5010519
Dissolved Oxygen	SM 4500-O G	NA	2690	0.0	1	ug/L		0.0	NA	01/19/15 13:01	01/19/15 13:01	5010519
Field - pH	EPA 9040C	NA	5.31		1	pH Units			PH	01/19/15 13:01	01/19/15 13:01	5010519
Field - Redox	NA	NA	117		1	mV			REDOX	01/19/15 13:01	01/19/15 13:01	5010519
Field - Temperature	SM 2550 B	NA	16.7		1	°C			TEMP	01/19/15 13:01	01/19/15 13:01	5010519
Field - Turbidity	EPA 180.1	NA	800		1	NTU	>		TURB	01/19/15 13:01	01/19/15 13:01	5010519
Field - Water Level	NA	NA	15.28		1	feet			WL	01/19/15 13:01	01/19/15 13:01	5010519
Field - Well Depth	NA	NA	26.08		1	feet				01/19/15 13:01	01/19/15 13:01	5010519
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 08:30	01/21/15 13:29	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 13:29	5010387
Benzene	EPA 8260B	EPA 5030B	0.5	1.0	1	ug/L	J	0.2	71-43-2	01/21/15 08:30	01/21/15 13:29	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 13:29	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 13:29	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 13:29	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 13:29	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 13:29	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 13:29	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	7.0	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 13:29	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 13:29	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 13:29	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW5
Lab No: AYA0440-07
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:01
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 13:29	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 13:29	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 13:29	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 13:29	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 13:29	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	6.8	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 13:29	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	1.4	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 13:29	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 13:29	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 13:29	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 13:29	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 13:29	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	2.2	5.0	1	ug/L	J	0.2	156-59-2	01/21/15 08:30	01/21/15 13:29	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 13:29	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 13:29	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 13:29	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 13:29	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 13:29	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 13:29	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 13:29	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 13:29	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 13:29	5010387

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW5
Lab No: AYA0440-07
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 13:01
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 13:29	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 13:29	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 13:29	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 13:29	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 13:29	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 13:29	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 13:29	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 13:29	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 13:29	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 13:29	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 13:29	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 13:29	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 13:29	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 13:29	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	99 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 13:29	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	106 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 13:29	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	103 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 13:29	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	105 %		80-120				460-00-4	01/21/15 08:30	01/21/15 13:29	5010387

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW5
Lab No: AYA0440-08
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:25
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Turbidity	EPA 180.1	NA	5.14		1	NTU			TURB	01/20/15 08:25	01/20/15 08:25	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.13	7440-38-2	01/23/15 08:50	01/23/15 15:20	5010446
Barium	EPA 6020A	EPA 3005A	299	100	1	ug/L		0.10	7440-39-3	01/23/15 08:50	01/23/15 15:20	5010446
Cadmium	EPA 6020A	EPA 3005A	0.59	1.00	1	ug/L	J	0.05	7440-43-9	01/23/15 08:50	01/23/15 15:20	5010446
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.73	7440-47-3	01/23/15 08:50	01/23/15 15:20	5010446
Lead	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.05	7439-92-1	01/23/15 08:50	01/23/15 15:20	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 15:20	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 15:20	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 14:53	5010402

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW6A
Lab No: AYA0440-09
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:49
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	49	1	1	umhos/cm		1	COND	01/19/15 12:49	01/19/15 12:49	5010519
Dissolved Oxygen	SM 4500-O G	NA	1320	0.0	1	ug/L		0.0	NA	01/19/15 12:49	01/19/15 12:49	5010519
Field - pH	EPA 9040C	NA	5.91		1	pH Units			PH	01/19/15 12:49	01/19/15 12:49	5010519
Field - Redox	NA	NA	72		1	mV			REDOX	01/19/15 12:49	01/19/15 12:49	5010519
Field - Temperature	SM 2550 B	NA	16.3		1	°C			TEMP	01/19/15 12:49	01/19/15 12:49	5010519
Field - Turbidity	EPA 180.1	NA	40.0		1	NTU			TURB	01/19/15 12:49	01/19/15 12:49	5010519
Field - Water Level	NA	NA	28.31		1	feet			WL	01/19/15 12:49	01/19/15 12:49	5010519
Field - Well Depth	NA	NA	39.86		1	feet				01/19/15 12:49	01/19/15 12:49	5010519
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 10:00	01/21/15 14:43	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 13:55	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 13:55	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 13:55	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 13:55	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 13:55	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 13:55	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 13:55	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 13:55	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 13:55	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 13:55	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 13:55	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW6A
Lab No: AYA0440-09
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:49
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 13:55	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 13:55	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 13:55	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 13:55	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 13:55	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 13:55	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 13:55	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 13:55	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 13:55	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 13:55	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 13:55	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	01/21/15 08:30	01/21/15 13:55	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 13:55	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 13:55	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 13:55	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 13:55	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 13:55	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 13:55	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 13:55	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 13:55	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 13:55	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW6A
Lab No: AYA0440-09
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:49
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 13:55	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 13:55	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 13:55	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 13:55	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 13:55	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 13:55	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 13:55	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 13:55	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 13:55	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 13:55	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 13:55	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 13:55	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 13:55	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 13:55	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	99 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 13:55	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	94 %		80-120				1868-53-7	01/21/15 10:00	01/21/15 14:43	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	97 %		78-120				17060-07-0	01/21/15 10:00	01/21/15 14:43	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	106 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 13:55	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	102 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 13:55	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	97 %		80-120				2037-26-5	01/21/15 10:00	01/21/15 14:43	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	107 %		80-120				460-00-4	01/21/15 08:30	01/21/15 13:55	5010387

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5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW6A
Lab No: AYA0440-09
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:49
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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												
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	103 %		80-120				460-00-4	01/21/15 10:00	01/21/15 14:43	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW6A
Lab No: AYA0440-10
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:21
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Turbidity	EPA 180.1	NA	2.16		1	NTU			TURB	01/20/15 08:21	01/20/15 08:21	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.13	7440-38-2	01/23/15 08:50	01/23/15 15:25	5010446
Barium	EPA 6020A	EPA 3005A	10.4	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 15:25	5010446
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.05	7440-43-9	01/23/15 08:50	01/23/15 15:25	5010446
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.73	7440-47-3	01/23/15 08:50	01/23/15 15:25	5010446
Lead	EPA 6020A	EPA 3005A	0.05	10.0	1	ug/L	J	0.05	7439-92-1	01/23/15 08:50	01/23/15 15:25	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 15:25	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 15:25	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 15:00	5010402

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW7A
Lab No: AYA0440-11
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:32
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	133	1	1	umhos/cm		1	COND	01/19/15 12:32	01/19/15 12:32	5010519
Dissolved Oxygen	SM 4500-O G	NA	3260	0.0	1	ug/L		0.0	NA	01/19/15 12:32	01/19/15 12:32	5010519
Field - pH	EPA 9040C	NA	5.60		1	pH Units			PH	01/19/15 12:32	01/19/15 12:32	5010519
Field - Redox	NA	NA	57		1	mV			REDOX	01/19/15 12:32	01/19/15 12:32	5010519
Field - Temperature	SM 2550 B	NA	16.5		1	°C			TEMP	01/19/15 12:32	01/19/15 12:32	5010519
Field - Turbidity	EPA 180.1	NA	800		1	NTU	>		TURB	01/19/15 12:32	01/19/15 12:32	5010519
Field - Water Level	NA	NA	35.14		1	feet			WL	01/19/15 12:32	01/19/15 12:32	5010519
Field - Well Depth	NA	NA	41.70		1	feet				01/19/15 12:32	01/19/15 12:32	5010519
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 08:30	01/21/15 14:22	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 14:22	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 14:22	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 14:22	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 14:22	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 14:22	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 14:22	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 14:22	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 14:22	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 14:22	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 14:22	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 14:22	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW7A
Lab No: AYA0440-11
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:32
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 14:22	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 14:22	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 14:22	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 14:22	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 14:22	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 14:22	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 14:22	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 14:22	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 14:22	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 14:22	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 14:22	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	0.4	5.0	1	ug/L	J	0.2	156-59-2	01/21/15 08:30	01/21/15 14:22	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 14:22	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 14:22	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 14:22	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 14:22	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 14:22	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 14:22	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 14:22	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 14:22	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 14:22	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW7A
Lab No: AYA0440-11
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:32
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 14:22	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 14:22	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 14:22	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 14:22	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 14:22	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 14:22	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 14:22	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 14:22	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 14:22	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 14:22	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 14:22	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 14:22	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 14:22	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 14:22	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	97 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 14:22	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	104 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 14:22	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	103 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 14:22	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	107 %		80-120				460-00-4	01/21/15 08:30	01/21/15 14:22	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW7A
Lab No: AYA0440-12
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:17
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Turbidity	EPA 180.1	NA	5.47		1	NTU			TURB	01/20/15 08:17	01/20/15 08:17	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.13	7440-38-2	01/23/15 08:50	01/23/15 15:57	5010446
Barium	EPA 6020A	EPA 3005A	67.6	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 15:57	5010446
Cadmium	EPA 6020A	EPA 3005A	0.51	1.00	1	ug/L	J	0.05	7440-43-9	01/23/15 08:50	01/23/15 15:57	5010446
Chromium	EPA 6020A	EPA 3005A	3.22	10.0	1	ug/L	J	0.73	7440-47-3	01/23/15 08:50	01/23/15 15:57	5010446
Lead	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.05	7439-92-1	01/23/15 08:50	01/23/15 15:57	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 15:57	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 15:57	5010446
Mercury	EPA 7470A	EPA 7470A	0.194	0.200	1	ug/L	J	0.064	7439-97-6	01/22/15 13:10	01/23/15 15:03	5010402

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW8
Lab No: AYA0440-13
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:19
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	82	1	1	umhos/cm		1	COND	01/19/15 12:19	01/19/15 12:19	5010519
Dissolved Oxygen	SM 4500-O G	NA	1720	0.0	1	ug/L		0.0	NA	01/19/15 12:19	01/19/15 12:19	5010519
Field - pH	EPA 9040C	NA	5.45		1	pH Units			PH	01/19/15 12:19	01/19/15 12:19	5010519
Field - Redox	NA	NA	35		1	mV			REDOX	01/19/15 12:19	01/19/15 12:19	5010519
Field - Temperature	SM 2550 B	NA	16.8		1	°C			TEMP	01/19/15 12:19	01/19/15 12:19	5010519
Field - Turbidity	EPA 180.1	NA	15.0		1	NTU			TURB	01/19/15 12:19	01/19/15 12:19	5010519
Field - Water Level	NA	NA	43.86		1	feet			WL	01/19/15 12:19	01/19/15 12:19	5010519
Field - Well Depth	NA	NA	53.83		1	feet				01/19/15 12:19	01/19/15 12:19	5010519
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	24	100	1	ug/L	J	5.7	67-64-1	01/21/15 10:00	01/21/15 13:41	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 09:02	5010387
Benzene	EPA 8260B	EPA 5030B	0.5	1.0	1	ug/L	J	0.2	71-43-2	01/21/15 08:30	01/21/15 09:02	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 09:02	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 09:02	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 09:02	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 09:02	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 09:02	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 09:02	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 09:02	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 09:02	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 09:02	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW8
Lab No: AYA0440-13
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:19
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 09:02	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 09:02	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 09:02	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 09:02	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 09:02	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 09:02	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 09:02	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 09:02	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 09:02	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 09:02	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 09:02	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	1.2	5.0	1	ug/L	J	0.2	156-59-2	01/21/15 08:30	01/21/15 09:02	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 09:02	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 09:02	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 09:02	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 09:02	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 09:02	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 09:02	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 09:02	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 09:02	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 09:02	5010387

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW8
Lab No: AYA0440-13
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:19
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 09:02	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 09:02	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 09:02	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 09:02	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	1.0	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 09:02	5010387
Toluene	EPA 8260B	EPA 5030B	0.7	1.0	1	ug/L	J	0.2	108-88-3	01/21/15 08:30	01/21/15 09:02	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 09:02	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 09:02	5010387
Trichloroethene	EPA 8260B	EPA 5030B	0.8	1.0	1	ug/L	J	0.4	79-01-6	01/21/15 08:30	01/21/15 09:02	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 09:02	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 09:02	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 09:02	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	1.0	1.0	1	ug/L	J	0.3	75-01-4	01/21/15 08:30	01/21/15 09:02	5010387
Xylenes, total	EPA 8260B	EPA 5030B	0.5	5.0	1	ug/L	J	0.5	1330-20-7	01/21/15 08:30	01/21/15 09:02	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	96 %		80-120				1868-53-7	01/21/15 10:00	01/21/15 13:41	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	99 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 09:02	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	103 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 09:02	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	96 %		78-120				17060-07-0	01/21/15 10:00	01/21/15 13:41	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	99 %		80-120				2037-26-5	01/21/15 10:00	01/21/15 13:41	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	103 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 09:02	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	113 %		80-120				460-00-4	01/21/15 08:30	01/21/15 09:02	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW8
Lab No: AYA0440-13
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 12:19
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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												
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	103 %		80-120				460-00-4	01/21/15 10:00	01/21/15 13:41	5010387

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5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-MW8
Lab No: AYA0440-14
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 09:23
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Turbidity	EPA 180.1	NA	5.77		1	NTU			TURB	01/20/15 09:23	01/20/15 09:23	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	3.90	10.0	1	ug/L	J	1.13	7440-38-2	01/23/15 08:50	01/23/15 16:02	5010446
Barium	EPA 6020A	EPA 3005A	71.7	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 16:02	5010446
Cadmium	EPA 6020A	EPA 3005A	2.93	1.00	1	ug/L		0.05	7440-43-9	01/23/15 08:50	01/23/15 16:02	5010446
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.73	7440-47-3	01/23/15 08:50	01/23/15 16:02	5010446
Lead	EPA 6020A	EPA 3005A	0.69	10.0	1	ug/L	J	0.05	7439-92-1	01/23/15 08:50	01/23/15 16:02	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 16:02	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 16:02	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 15:05	5010402

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5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-SW3
Lab No: AYA0440-15
Matrix: Surface Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:42
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

Analyte	Analytical Method	Prep Method	Result	SWSL/ RL	DF	Units	Qual	MDL	CAS #	Prep Date/Time	Analysis Date/Time	Batch
On Site												
Field - Specific Conductance	EPA 9050A	NA	99	1	1	umhos/cm		1	COND	01/20/15 08:42	01/20/15 08:42	5010519
Dissolved Oxygen	SM 4500-O G	NA	5840	0.0	1	ug/L		0.0	NA	01/20/15 08:42	01/20/15 08:42	5010519
Field - pH	EPA 9040C	NA	6.08		1	pH Units			PH	01/20/15 08:42	01/20/15 08:42	5010519
Field - Redox	NA	NA	206		1	mV			REDOX	01/20/15 08:42	01/20/15 08:42	5010519
Field - Temperature	SM 2550 B	NA	5.11		1	°C			TEMP	01/20/15 08:42	01/20/15 08:42	5010519
Field - Turbidity	EPA 180.1	NA	7.89		1	NTU			TURB	01/20/15 08:42	01/20/15 08:42	5010519
Metals, Total												
Arsenic	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.13	7440-38-2	01/23/15 08:50	01/23/15 16:07	5010446
Barium	EPA 6020A	EPA 3005A	110	100	1	ug/L		0.10	7440-39-3	01/23/15 08:50	01/23/15 16:07	5010446
Cadmium	EPA 6020A	EPA 3005A	0.07	1.00	1	ug/L	J	0.05	7440-43-9	01/23/15 08:50	01/23/15 16:07	5010446
Chromium	EPA 6020A	EPA 3005A	7.47	10.0	1	ug/L	J	0.73	7440-47-3	01/23/15 08:50	01/23/15 16:07	5010446
Lead	EPA 6020A	EPA 3005A	4.84	10.0	1	ug/L	J	0.05	7439-92-1	01/23/15 08:50	01/23/15 16:07	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 16:07	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 16:07	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 15:07	5010402
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 08:30	01/21/15 14:48	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 14:48	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 14:48	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 14:48	5010387

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5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-SW3
Lab No: AYA0440-15
Matrix: Surface Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:42
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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												
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 14:48	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 14:48	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 14:48	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 14:48	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 14:48	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 14:48	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 14:48	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 14:48	5010387
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	74-87-3	01/21/15 08:30	01/21/15 14:48	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 14:48	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 14:48	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 14:48	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 14:48	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 14:48	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 14:48	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 14:48	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 14:48	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 14:48	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 14:48	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	01/21/15 08:30	01/21/15 14:48	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 14:48	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 14:48	5010387

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Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-SW3
Lab No: AYA0440-15
Matrix: Surface Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:42
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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												
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 14:48	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 14:48	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 14:48	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 14:48	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 14:48	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 14:48	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 14:48	5010387
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.4	108-10-1	01/21/15 08:30	01/21/15 14:48	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 14:48	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 14:48	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 14:48	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 14:48	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 14:48	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 14:48	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 14:48	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 14:48	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 14:48	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 14:48	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 14:48	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 14:48	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 14:48	5010387

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-SW3
Lab No: AYA0440-15
Matrix: Surface Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 08:42
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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												
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	98 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 14:48	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	104 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 14:48	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	102 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 14:48	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	109 %		80-120				460-00-4	01/21/15 08:30	01/21/15 14:48	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Field Blank
Lab No: AYA0440-16
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 14:21
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.13	7440-38-2	01/23/15 08:50	01/23/15 16:12	5010446
Barium	EPA 6020A	EPA 3005A	0.79	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 16:12	5010446
Cadmium	EPA 6020A	EPA 3005A	ND	1.00	1	ug/L		0.05	7440-43-9	01/23/15 08:50	01/23/15 16:12	5010446
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.73	7440-47-3	01/23/15 08:50	01/23/15 16:12	5010446
Lead	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.05	7439-92-1	01/23/15 08:50	01/23/15 16:12	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 16:12	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 16:12	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 15:10	5010402
Volatile Organic Compounds by EPA 8260												
Acetone	EPA 8260B	EPA 5030B	ND	100	1	ug/L		5.7	67-64-1	01/21/15 08:30	01/21/15 15:15	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 15:15	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 15:15	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 15:15	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 15:15	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 15:15	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 15:15	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 15:15	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 15:15	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 15:15	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 15:15	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 15:15	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Field Blank
Lab No: AYA0440-16
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 14:21
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.2	74-87-3	01/21/15 08:30	01/21/15 15:15	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 15:15	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 15:15	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 15:15	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 15:15	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 15:15	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 15:15	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 15:15	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 15:15	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 15:15	5010387
1,1-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-35-4	01/21/15 08:30	01/21/15 15:15	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	01/21/15 08:30	01/21/15 15:15	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 15:15	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 15:15	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 15:15	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 15:15	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 15:15	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 15:15	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 15:15	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 15:15	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 15:15	5010387

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110 Technology Parkway, Norcross, GA 30092

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Field Blank
Lab No: AYA0440-16
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 14:21
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		1.4	108-10-1	01/21/15 08:30	01/21/15 15:15	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 15:15	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 15:15	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 15:15	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 15:15	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 15:15	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 15:15	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 15:15	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 15:15	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 15:15	5010387
1,2,3-Trichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	96-18-4	01/21/15 08:30	01/21/15 15:15	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 15:15	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 15:15	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 15:15	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	97 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 15:15	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	105 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 15:15	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	102 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 15:15	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	112 %		80-120				460-00-4	01/21/15 08:30	01/21/15 15:15	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Duplicate
Lab No: AYA0440-17
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 00:00
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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	22	100	1	ug/L	J	5.7	67-64-1	01/21/15 10:00	01/21/15 14:09	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 09:29	5010387
Benzene	EPA 8260B	EPA 5030B	0.6	1.0	1	ug/L	J	0.2	71-43-2	01/21/15 08:30	01/21/15 09:29	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 09:29	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 09:29	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 09:29	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 09:29	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 09:29	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 09:29	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 09:29	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 09:29	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 09:29	5010387
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	74-87-3	01/21/15 08:30	01/21/15 09:29	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 09:29	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 09:29	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 09:29	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 09:29	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 09:29	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 09:29	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 09:29	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 09:29	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 09:29	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Duplicate
Lab No: AYA0440-17
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 00:00
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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	01/21/15 08:30	01/21/15 09:29	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	1.3	5.0	1	ug/L	J	0.2	156-59-2	01/21/15 08:30	01/21/15 09:29	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 09:29	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 09:29	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 09:29	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 09:29	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 09:29	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 09:29	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 09:29	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 09:29	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 09:29	5010387
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.4	108-10-1	01/21/15 08:30	01/21/15 09:29	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 09:29	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 09:29	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 09:29	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	1.0	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 09:29	5010387
Toluene	EPA 8260B	EPA 5030B	0.8	1.0	1	ug/L	J	0.2	108-88-3	01/21/15 08:30	01/21/15 09:29	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 09:29	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 09:29	5010387
Trichloroethene	EPA 8260B	EPA 5030B	0.9	1.0	1	ug/L	J	0.4	79-01-6	01/21/15 08:30	01/21/15 09:29	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 09:29	5010387

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Duplicate
Lab No: AYA0440-17
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 00:00
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.4	96-18-4	01/21/15 08:30	01/21/15 09:29	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 09:29	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	0.9	1.0	1	ug/L	J	0.3	75-01-4	01/21/15 08:30	01/21/15 09:29	5010387
Xylenes, total	EPA 8260B	EPA 5030B	0.6	5.0	1	ug/L	J	0.5	1330-20-7	01/21/15 08:30	01/21/15 09:29	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	97 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 09:29	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	92 %		80-120				1868-53-7	01/21/15 10:00	01/21/15 14:09	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	103 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 09:29	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	98 %		78-120				17060-07-0	01/21/15 10:00	01/21/15 14:09	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	98 %		80-120				2037-26-5	01/21/15 10:00	01/21/15 14:09	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	103 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 09:29	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	110 %		80-120				460-00-4	01/21/15 08:30	01/21/15 09:29	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	100 %		80-120				460-00-4	01/21/15 10:00	01/21/15 14:09	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Duplicate
Lab No: AYA0440-18
Matrix: Ground Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/20/15 00:00
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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	3.87	10.0	1	ug/L	J	1.13	7440-38-2	01/23/15 08:50	01/23/15 16:17	5010446
Barium	EPA 6020A	EPA 3005A	72.0	100	1	ug/L	J	0.10	7440-39-3	01/23/15 08:50	01/23/15 16:17	5010446
Cadmium	EPA 6020A	EPA 3005A	2.20	1.00	1	ug/L		0.05	7440-43-9	01/23/15 08:50	01/23/15 16:17	5010446
Chromium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.73	7440-47-3	01/23/15 08:50	01/23/15 16:17	5010446
Lead	EPA 6020A	EPA 3005A	0.57	10.0	1	ug/L	J	0.05	7439-92-1	01/23/15 08:50	01/23/15 16:17	5010446
Selenium	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		1.01	7782-49-2	01/23/15 08:50	01/23/15 16:17	5010446
Silver	EPA 6020A	EPA 3005A	ND	10.0	1	ug/L		0.17	7440-22-4	01/23/15 08:50	01/23/15 16:17	5010446
Mercury	EPA 7470A	EPA 7470A	ND	0.200	1	ug/L		0.064	7439-97-6	01/22/15 13:10	01/23/15 15:12	5010402

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5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Trip Blank
Lab No: AYA0440-19
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 00:00
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		5.7	67-64-1	01/21/15 08:30	01/21/15 15:42	5010387
Acrylonitrile	EPA 8260B	EPA 5030B	ND	200	1	ug/L		0.6	107-13-1	01/21/15 08:30	01/21/15 15:42	5010387
Benzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	71-43-2	01/21/15 08:30	01/21/15 15:42	5010387
Bromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	74-97-5	01/21/15 08:30	01/21/15 15:42	5010387
Bromodichloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.5	75-27-4	01/21/15 08:30	01/21/15 15:42	5010387
Bromoform	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.7	75-25-2	01/21/15 08:30	01/21/15 15:42	5010387
Bromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.6	74-83-9	01/21/15 08:30	01/21/15 15:42	5010387
Carbon Disulfide	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	75-15-0	01/21/15 08:30	01/21/15 15:42	5010387
Carbon Tetrachloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	56-23-5	01/21/15 08:30	01/21/15 15:42	5010387
Chlorobenzene	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.2	108-90-7	01/21/15 08:30	01/21/15 15:42	5010387
Chloroethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	75-00-3	01/21/15 08:30	01/21/15 15:42	5010387
Chloroform	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	67-66-3	01/21/15 08:30	01/21/15 15:42	5010387
Chloromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	74-87-3	01/21/15 08:30	01/21/15 15:42	5010387
Dibromochloromethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		1.1	124-48-1	01/21/15 08:30	01/21/15 15:42	5010387
1,2-Dibromo-3-chloropropane	EPA 8260B	EPA 5030B	ND	13	1	ug/L		0.7	96-12-8	01/21/15 08:30	01/21/15 15:42	5010387
1,2-Dibromoethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-93-4	01/21/15 08:30	01/21/15 15:42	5010387
Dibromomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		0.3	74-95-3	01/21/15 08:30	01/21/15 15:42	5010387
1,2-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.3	95-50-1	01/21/15 08:30	01/21/15 15:42	5010387
1,4-Dichlorobenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	106-46-7	01/21/15 08:30	01/21/15 15:42	5010387
trans-1,4-Dichloro-2-butene	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.8	110-57-6	01/21/15 08:30	01/21/15 15:42	5010387
1,1-Dichloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	75-34-3	01/21/15 08:30	01/21/15 15:42	5010387
1,2-Dichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	107-06-2	01/21/15 08:30	01/21/15 15:42	5010387

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5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Trip Blank
Lab No: AYA0440-19
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 00:00
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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	01/21/15 08:30	01/21/15 15:42	5010387
cis-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-59-2	01/21/15 08:30	01/21/15 15:42	5010387
trans-1,2-Dichloroethene	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.2	156-60-5	01/21/15 08:30	01/21/15 15:42	5010387
1,2-Dichloropropane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	78-87-5	01/21/15 08:30	01/21/15 15:42	5010387
cis-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.8	10061-01-5	01/21/15 08:30	01/21/15 15:42	5010387
trans-1,3-Dichloropropene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	10061-02-6	01/21/15 08:30	01/21/15 15:42	5010387
Ethylbenzene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-41-4	01/21/15 08:30	01/21/15 15:42	5010387
Iodomethane	EPA 8260B	EPA 5030B	ND	10	1	ug/L		1.5	74-88-4	01/21/15 08:30	01/21/15 15:42	5010387
Methyl Butyl Ketone (2-Hexanone)	EPA 8260B	EPA 5030B	ND	50	1	ug/L		0.6	591-78-6	01/21/15 08:30	01/21/15 15:42	5010387
Methylene Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.6	75-09-2	01/21/15 08:30	01/21/15 15:42	5010387
Methyl Ethyl Ketone (2-Butanone)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		0.8	78-93-3	01/21/15 08:30	01/21/15 15:42	5010387
4-Methyl-2-pentanone (MIBK)	EPA 8260B	EPA 5030B	ND	100	1	ug/L		1.4	108-10-1	01/21/15 08:30	01/21/15 15:42	5010387
Styrene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	100-42-5	01/21/15 08:30	01/21/15 15:42	5010387
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	630-20-6	01/21/15 08:30	01/21/15 15:42	5010387
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 5030B	ND	3.0	1	ug/L		0.3	79-34-5	01/21/15 08:30	01/21/15 15:42	5010387
Tetrachloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	127-18-4	01/21/15 08:30	01/21/15 15:42	5010387
Toluene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.2	108-88-3	01/21/15 08:30	01/21/15 15:42	5010387
1,1,1-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	71-55-6	01/21/15 08:30	01/21/15 15:42	5010387
1,1,2-Trichloroethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	79-00-5	01/21/15 08:30	01/21/15 15:42	5010387
Trichloroethene	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.4	79-01-6	01/21/15 08:30	01/21/15 15:42	5010387
Trichlorofluoromethane	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-69-4	01/21/15 08:30	01/21/15 15:42	5010387

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Client ID: 2302-Trip Blank
Lab No: AYA0440-19
Matrix: Water

Project: JMN/Cleveland Container Landfill
Date/Time Sampled: 01/19/15 00:00
Date/Time Received: 01/20/15 14:40

Report No.: AYA0440

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		0.4	96-18-4	01/21/15 08:30	01/21/15 15:42	5010387
Vinyl Acetate	EPA 8260B	EPA 5030B	ND	50	1	ug/L		1.8	108-05-4	01/21/15 08:30	01/21/15 15:42	5010387
Vinyl Chloride	EPA 8260B	EPA 5030B	ND	1.0	1	ug/L		0.3	75-01-4	01/21/15 08:30	01/21/15 15:42	5010387
Xylenes, total	EPA 8260B	EPA 5030B	ND	5.0	1	ug/L		0.5	1330-20-7	01/21/15 08:30	01/21/15 15:42	5010387
Surr: Dibromofluoromethane	EPA 8260B	EPA 5030B	96 %		80-120				1868-53-7	01/21/15 08:30	01/21/15 15:42	5010387
Surr: 1,2-Dichloroethane-d4	EPA 8260B	EPA 5030B	102 %		78-120				17060-07-0	01/21/15 08:30	01/21/15 15:42	5010387
Surr: Toluene-d8	EPA 8260B	EPA 5030B	102 %		80-120				2037-26-5	01/21/15 08:30	01/21/15 15:42	5010387
Surr: 4-Bromofluorobenzene	EPA 8260B	EPA 5030B	110 %		80-120				460-00-4	01/21/15 08:30	01/21/15 15:42	5010387

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Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 5010402 - EPA 7470A										
Blank (5010402-BLK1)							Prepared: 01/22/15 Analyzed: 01/23/15			
Mercury	ND	0.200	ug/L							
LCS (5010402-BS1)							Prepared: 01/22/15 Analyzed: 01/23/15			
Mercury	2.46	0.200	ug/L	2.5000		98	80-120			
Matrix Spike (5010402-MS1)		Source: AYA0440-02					Prepared: 01/22/15 Analyzed: 01/23/15			
Mercury	2.22	0.200	ug/L	2.5000	ND	89	75-125			
Matrix Spike Dup (5010402-MSD1)		Source: AYA0440-02					Prepared: 01/22/15 Analyzed: 01/23/15			
Mercury	2.18	0.200	ug/L	2.5000	ND	87	75-125	2	20	
Post Spike (5010402-PS1)		Source: AYA0440-02					Prepared: 01/22/15 Analyzed: 01/23/15			
Mercury	1.68		ug/L	1.6667	-0.0007	101	80-120			
Batch 5010446 - EPA 3005A										
Blank (5010446-BLK1)							Prepared & Analyzed: 01/23/15			
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 (5010446-BS1)							Prepared & Analyzed: 01/23/15			
Arsenic	101	10.0	ug/L	100.00		101	80-120			
Barium	98.1	100	ug/L	100.00		98	80-120			J

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Attention: Mr. Mike Gurley

January 29, 2015

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 5010446 - EPA 3005A										
LCS (5010446-BS1)							Prepared & Analyzed: 01/23/15			
Cadmium	99.9	1.00	ug/L	100.00		100	80-120			
Chromium	98.2	10.0	ug/L	100.00		98	80-120			
Lead	101	10.0	ug/L	100.00		101	80-120			
Selenium	102	10.0	ug/L	100.00		102	80-120			
Silver	101	10.0	ug/L	100.00		101	80-120			
Matrix Spike (5010446-MS1)	**Source: AYA0440-02**						Prepared & Analyzed: 01/23/15			
Arsenic	98.3	10.0	ug/L	100.00	ND	98	75-125			
Barium	152	100	ug/L	100.00	51.2	101	75-125			
Cadmium	102	1.00	ug/L	100.00	0.26	101	75-125			
Chromium	104	10.0	ug/L	100.00	7.39	97	75-125			
Lead	104	10.0	ug/L	100.00	1.48	102	75-125			
Selenium	96.0	10.0	ug/L	100.00	ND	96	75-125			
Silver	102	10.0	ug/L	100.00	ND	102	75-125			
Matrix Spike Dup (5010446-MSD1)	**Source: AYA0440-02**						Prepared & Analyzed: 01/23/15			
Arsenic	95.6	10.0	ug/L	100.00	ND	96	75-125	3	20	
Barium	145	100	ug/L	100.00	51.2	94	75-125	4	20	
Cadmium	98.6	1.00	ug/L	100.00	0.26	98	75-125	3	20	
Chromium	100	10.0	ug/L	100.00	7.39	93	75-125	4	20	
Lead	102	10.0	ug/L	100.00	1.48	100	75-125	2	20	
Selenium	95.1	10.0	ug/L	100.00	ND	95	75-125	1	20	
Silver	98.3	10.0	ug/L	100.00	ND	98	75-125	4	20	
Post Spike (5010446-PS1)	**Source: AYA0440-02**						Prepared & Analyzed: 01/23/15			
Arsenic	97.0		ug/L	100.00	0.37	97	80-120			
Barium	149		ug/L	100.00	51.2	97	80-120			

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Attention: Mr. Mike Gurley

January 29, 2015

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 5010446 - EPA 3005A										
Post Spike (5010446-PS1)		**Source: AYA0440-02**					Prepared & Analyzed: 01/23/15			
Cadmium	102		ug/L	100.00	0.26	101	80-120			
Chromium	102		ug/L	100.00	7.39	95	80-120			
Lead	103		ug/L	100.00	1.48	101	80-120			
Selenium	97.1		ug/L	100.00	-0.22	97	80-120			
Silver	102		ug/L	100.00	0.06	102	80-120			

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ANALYTICAL SERVICES, INC.

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

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

Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

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 5010387 - EPA 5030B										
Blank (5010387-BLK1)							Prepared & Analyzed: 01/21/15			
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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January 29, 2015

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 5010387 - EPA 5030B										
Blank (5010387-BLK1)							Prepared & Analyzed: 01/21/15			
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	1.0	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	*48*		*ug/L*	*50.000*		*97*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*51*		*ug/L*	*50.000*		*102*	*78-120*			
Surr: Toluene-d8	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surr: 4-Bromofluorobenzene	*56*		*ug/L*	*50.000*		*111*	*80-120*			
Blank (5010387-BLK2)							Prepared & Analyzed: 01/21/15			

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Attention: Mr. Mike Gurley

January 29, 2015

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 5010387 - EPA 5030B										
Blank (5010387-BLK2)							Prepared & Analyzed: 01/21/15			
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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January 29, 2015

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 5010387 - EPA 5030B										
Blank (5010387-BLK2)							Prepared & Analyzed: 01/21/15			
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	*47*		*ug/L*	*50.000*		*94*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*49*		*ug/L*	*50.000*		*98*	*78-120*			
Surr: Toluene-d8	*48*		*ug/L*	*50.000*		*96*	*80-120*			
Surr: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*100*	*80-120*			
LCS (5010387-BS1)							Prepared & Analyzed: 01/21/15			

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January 29, 2015

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 5010387 - EPA 5030B										
LCS (5010387-BS1)							Prepared & Analyzed: 01/21/15			
Benzene	49		ug/L	50.000		98	67-134			
Chlorobenzene	52		ug/L	50.000		105	69-122			
1,1-Dichloroethene	48		ug/L	50.000		96	58-142			
Toluene	51		ug/L	50.000		101	68-127			
Trichloroethene	54		ug/L	50.000		107	72-132			
Surr: Dibromofluoromethane	*49*		*ug/L*	*50.000*		*97*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*52*		*ug/L*	*50.000*		*103*	*78-120*			
Surr: Toluene-d8	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surr: 4-Bromofluorobenzene	*52*		*ug/L*	*50.000*		*104*	*80-120*			
Matrix Spike (5010387-MS1)		**Source: AYA0440-01**					Prepared & Analyzed: 01/21/15			
Benzene	50		ug/L	50.000	ND	100	67-134			
Chlorobenzene	52		ug/L	50.000	ND	104	69-122			
1,1-Dichloroethene	52		ug/L	50.000	ND	104	58-142			
Toluene	52		ug/L	50.000	ND	103	68-127			
Trichloroethene	55		ug/L	50.000	ND	109	72-132			
Surr: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*97*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*52*		*ug/L*	*50.000*		*104*	*78-120*			
Surr: Toluene-d8	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surr: 4-Bromofluorobenzene	*54*		*ug/L*	*50.000*		*109*	*80-120*			
Matrix Spike Dup (5010387-MSD1)		**Source: AYA0440-01**					Prepared & Analyzed: 01/21/15			
Benzene	49		ug/L	50.000	ND	99	67-134	1	9	
Chlorobenzene	52		ug/L	50.000	ND	104	69-122	0.3	13	
1,1-Dichloroethene	52		ug/L	50.000	ND	103	58-142	0.7	9	

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January 29, 2015

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 5010387 - EPA 5030B										
Matrix Spike Dup (5010387-MSD1)		**Source: AYA0440-01**					Prepared & Analyzed: 01/21/15			
Toluene	52		ug/L	50.000	ND	104	68-127	0.8	9	
Trichloroethene	54		ug/L	50.000	ND	109	72-132	0.6	11	
Surr: Dibromofluoromethane	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Surr: 1,2-Dichloroethane-d4	*53*		*ug/L*	*50.000*		*106*	*78-120*			
Surr: Toluene-d8	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surr: 4-Bromofluorobenzene	*55*		*ug/L*	*50.000*		*111*	*80-120*			

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Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2015
NC	North Carolina	381	12/31/2015
NELAC	FL DOH (Non-Pot. Water, Solids) Eff:: 07/01/2013	E87315	06/30/2015
SC	South Carolina	98011001	06/30/2015
TX	Texas	T104704397-08-TX	03/31/2015
VA	Virginia	1340	12/14/2015

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Attention: Mr. Mike Gurley

January 29, 2015

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).

> Greater than the result value reported.

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

ANALYTICAL SERVICES, INC.

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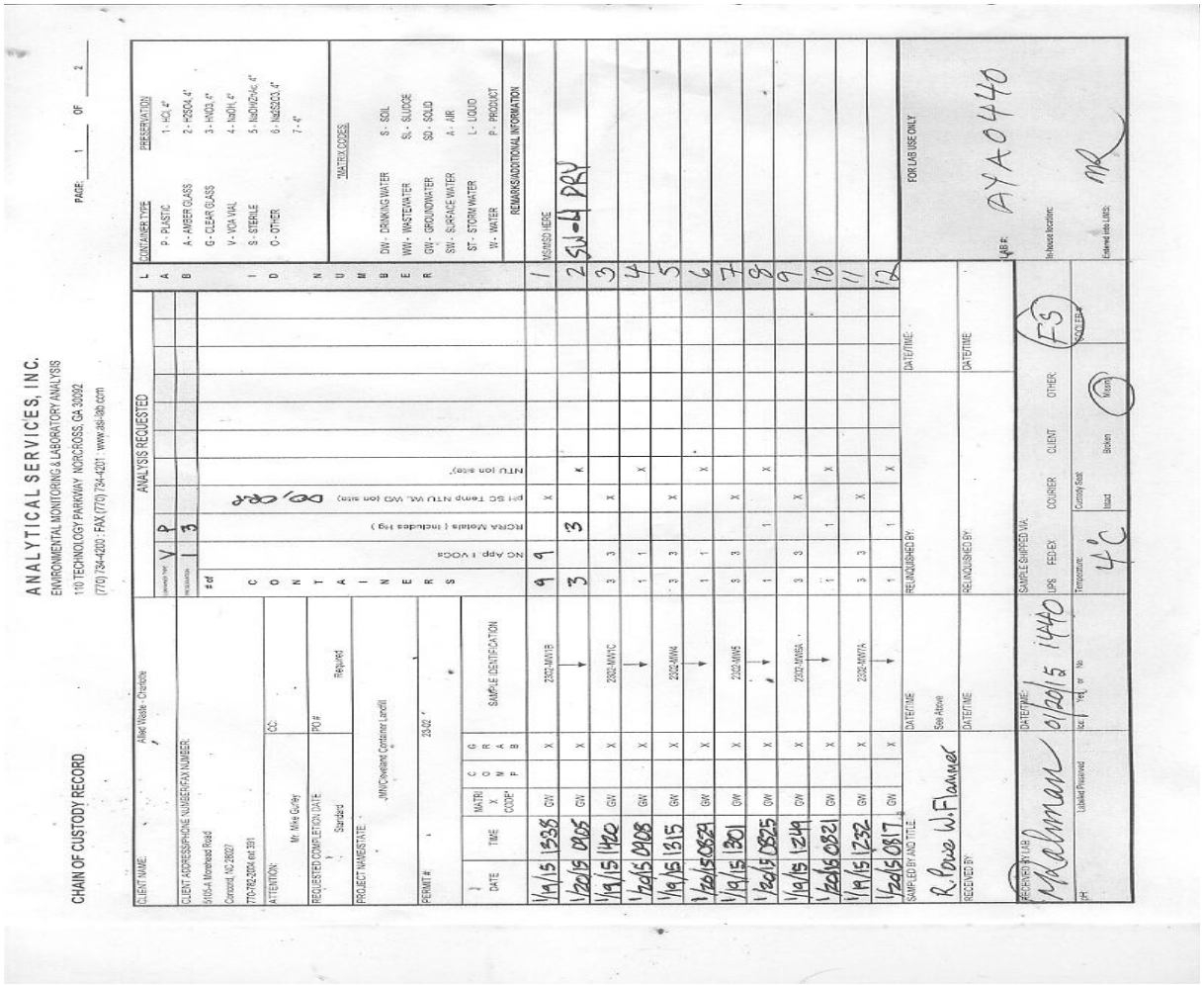
January 29, 2015



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

CHAIN OF CUSTODY RECORD

PAGE: 1 OF 2

CLIENT NAME: Allied Waste - Charlotte
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 5105-A Morehead Road Concord, NC 28027 770-782-3204 ext 391
ATTENTION: Mr. Mike Gurley
CC:
REQUESTED COMPLETION DATE: Standard
PO #: Required
PROJECT NAME/STATE: JMNC/Allied Container Landfill
PERMIT #: 23-02

ANALYSIS REQUESTED: VOC's (preserved HCl); RCRA Metals (includes Hg); pH SC Temp NTU ML WD (on site); NTU (on site)

CONTAINER TYPE / PRESERVATION
P - PLASTIC: 1 - HCL 4°
A - AMBER GLASS: 2 - H2SO4 4°
G - CLEAR GLASS: 3 - HNO3 4°
V - VOA VIAL: 4 - NaOH 4°
S - STERILE: 5 - NaOH/ZnAc 4°
O - OTHER: 6 - Na2S2O3 4°
7 - 4°

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

DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	# of containers	VOC's	RCRA Metals (includes Hg)	pH SC Temp NTU ML WD (on site)	NTU (on site)	LAB #	REMARKS/ADDITIONAL INFORMATION
1/19/15	1335	GW		X	2302-MW1B	9	9		X		1	MS/MSD HERE
1/20/15	0805	GW		X	→	3		3		X	2	SW-4 PRV
1/19/15	1420	GW		X	2302-MW1C	3	3		X		3	
1/20/15	0908	GW		X	→	1	1			X	4	
1/19/15	1315	GW		X	2302-MW4	3	3		X		5	
1/20/15	0829	GW		X	→	1	1			X	6	
1/19/15	1301	GW		X	2302-MW5	3	3		X		7	
1/20/15	0825	GW		X	→	1		1		X	8	
1/19/15	1249	GW		X	2302-MW6A	3	3		X		9	
1/20/15	0821	GW		X	→	1		1		X	10	
1/19/15	1232	GW		X	2302-MW7A	3	3		X		11	
1/20/15	0817	GW		X	→	1		1		X	12	

SAMPLED BY AND TITLE: R. Pence W. Flanner — DATE/TIME: See Above
RECEIVED BY: — DATE/TIME:
RELINQUISHED BY: — DATE/TIME:
RELINQUISHED BY: — DATE/TIME:
RECEIVED BY LAB: — DATE/TIME: 01/20/15 @ 1440
SAMPLE SHIPPED VIA: UPS FEDEX COURIER CLIENT OTHER
Temperature: 4°C
Custody Seal: Intact Broken Missing
SAMPLER #: FS
LH: Labeled/Preserved: Yes or No
Delivered into Labs: MR
FOR LAB USE ONLY
LAB #: AYA0440
Refrigerator Location:

ANALYTICAL SERVICES, INC.

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Allied Waste Ind. Inc. - Charlotte
5105-A Morehead Rd.
Concord NC, 28027

Attention: Mr. Mike Gurley

January 29, 2015

238953

CHAIN OF CUSTODY RECORD

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

PAGE: 2 OF 2

CLIENT NAME: Allied Waste-Charlotte
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 5105-A Morehead Road Concord, NC 28027 704-782-3004 ext 391
REPORT TO: Mr. Mike Gurley
CC:
REQUESTED COMPLETION DATE: STD
PO #: Required
PROJECT NAME/STATE: JMM/Cleveland Container Landfill
PROJECT #:

DATE	TIME	MATRIX CODE*	GRAB	SAMPLE IDENTIFICATION	# of containers	VOCs App. I	RCRA Metals (including Hg)	pH, SC, Temp, Turb, DO, Alk, Chloride, Sulfate	pH, SC, Temp, Turb, DO, Alk, Chloride, Sulfate	TTO Composited	pH, SC, Temp, Turb, DO, Alk, Chloride, Sulfate	REMARKS/ADDITIONAL INFORMATION
1/19/15	1219	GW	X	2302-MW-8	3	3		X				13
1/20/15	0823	GW	X	↳	1	1				X		14
1/20/15	0812	SW	X	2302-SW-3	4	3	1					15
1/19/15	1421	W	X	2302-FieldBlank	4	2	1					16
1/19/15	-	GW	X	2302-DUPLICATE	3	3						17
1/20/15	-	GW	X	~~2302~~ ↳	1		1					18
1/19/15	-	W	X	2302-Trip Blank	3	3						19

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

PRESERVATION: 1 - HCl, ≤6°C; 2 - H_2SO_4, ≤6°C; 3 - HNO_3; 4 - NaOH, ≤6°C; 5 - NaOH/ZnAc, ≤6°C; 6 - $Na_2S_2O_3$, ≤6°C; 7 - ≤6°C not frozen

*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: Release W. Planner — DATE/TIME: See Above
RECEIVED BY: — DATE/TIME:
RELINQUISHED BY: — DATE/TIME:
RELINQUISHED BY: — DATE/TIME:
RECEIVED BY/LAB: Mark A. Lumpkin — DATE/TIME: 01/21/15 1440
SAMPLE SHIPPED VIA: UPS, FED-EX, USPS, COURIER, CLIENT, OTHER
Custody Seal: Intact, Broken, Not Present
Cooler ID:
# of Coolers:
Temperature: 4.1°C
Blank: 4.1°C
Chl checked: Yes, No, Doc, NA
Yes, No, NA
Entered into LIMS: MK
FOR LAB USE ONLY
LAB #: AYA0440

Revised 2013-10-31

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ANALYTICAL SERVICES, INC.

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

LOG-IN CHECKLIST **Printed: 1/29/2015 4:36:27PM**

Attn: Mr. Mike Gurley

Client: Allied Waste Ind. Inc. - Charlotte
Project: JMN/Cleveland Container Landfill
Date Received: 01/20/15 14:40

Work Order: AYA0440
Logged In By: Mohammad M. Rahman

OBSERVATIONS

#Samples: 19 **#Containers:** 51

Minimum Temp(C): 4.0 **Maximum Temp(C):** 4.0 **Custody Seal(s) Used:** No

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
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:

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ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS
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(770) 734-4200 • Fax (770) 734-4201

January 27, 2015
Republic Services Inc.
Mr. Mike Gurley
5105-A Morehead Road,
Concord, North Carolina 28027

RE: JMN/Cleveland Container Landfill Report AYA0440

Mr. Gurley:

Analytical Services completed the semi-annual groundwater and surface water at the referenced site on January 20, 2015. Our representatives performed groundwater monitoring in accordance with the most recently approved U.S. E.P.A. Region 4 Operating Procedures. Presented herein is a description of our work.

The following wells were purged and sampled using a Teflon-lined bailer:
23-02 MW-1B, 1C, 4, 5, 6A, 7A, and 8.

Surface water points sampled: SW-3. SW-4 was dry.

Water levels and bottom of casing depths were measured to the nearest hundredth of a foot prior to purging the wells. Indicator parameters were measured on site for pH, specific conductance, temperature, and turbidity. All indicator parameter were also measured on surface waters and dissolved oxygen was included. The meters were calibrated in the field according to the manufacturers' specifications and checked periodically.

The water level indicator and instrument probes were decontaminated in the field using a modified version of the EPA Appendix B.

The samples were collected in A certified-clean bottles as soon as three well volumes had been removed and field parameters stabilized. The bottles were labeled in the field at the time of sampling. The members of the sampling team initialed the labels before placing them on the bottles. New gloves were donned prior to collecting samples.

Once the bottles were filled they were placed in an ice chest filled with ice to maintain four degrees centigrade.

Attached are the results from this sampling event and table listing the water levels recorded.

Respectfully submitted,

Jonathan Scott
Field Services Manager

ANALYTICAL SERVICES, INC.
MONITORING WELL DATA SUMMARY

Client Name: Republic Service of North Carolina
Client Contact: Mr. Mike Gurley
Project: JMN/Cleveland Container Landfill
Site: JMN/Cleveland Container Landfill SA

ASI Report No.: AYA0440
Sampling Date: 01/19/15

Well ID	DTW	Well ID	DTW
23-02 MW-1B	47.60	23-02 MW-6A	28.31
23-02 MW-1C	45.36	23-02 MW-7A	35.14
23-02 MW-4	5.21	23-02 MW-8	43.86
23-02 MW-5	15.28		

Sampled By: W.Flammer, R. Powe
Field Specialist(s)

Reviewed By: Field Services Manager

Note:

1 DTW - Depth of Water from Top of Casing (ft.)

* - Water level below top of pump. Top of pump measured.

ANALYTICAL SERVICES, INC.
SURFACE WATER SAMPLING DATA SUMMARY

Client Name: Republic Service of North Carolina
Client Contact: Mr. Mike Gurley
Project: JMN/Cleveland Container Landfill
Site: JMN/Cleveland Container Landfill SA

ASI Report No.: AYA0440
Sampling Date: 01/19/15

Point ID	pH[1]	SC[2]	Temp[3]	Turb[4]	DO[5]	ORP[6]	Comments
2302 SW-3	6.08	99	5.11	7.89	5.84	206.4	Clear, no odor, decent flow.
2302 SW-4	--	--	--	--	--	--	Point Dry. Unable to sample.

Notes:
1 pH - Reported in Standard Units
2 SC - Specific Conductance (uS/cm)
3 Temp - Temperature (°C)
4 Turb - Turbidity -(NTU)
5 DO - Dissolved Oxygen (mg/L)
6 ORP - Oxygen Reduction Potential

Sampled By: W. Flammer, R. Powe
Field Specialist(s)

Reviewed By:
Field Services Manager

ASI Analytical Services

FIELD DATA INFORMATION LOG FOR GROUND-WATER SAMPLING

Client:	Republic Services	Casing Diameter:	2"
Site Name	JMN/Cleveland Container Landfill	Casing Material:	PVC
Field Personnel:	Ray Powe Will Flammer Marshall Williams	Dedicated Pump:	No
Well ID #: 2302-MW-1B			
Weather Conditions: Clear, sunny, light breeze		Method of Well Evacuation:	Teflon lined Bailer
Total Well Depth in feet (TWD) = 62.50		Method of Sample Collection:	Teflon lined Bailer
Depth to Ground Water in feet (DGW) = 47.60		Well Yield (subjective):	Good
14.9		Sample Date and Time:	1.19.15 @ 1338
2" Well: 1 Casing Volume in gallons (CV) = LWC x 0.163 = 2.42 (2.50)		Metals:	1.20.15 @ 0905
Standard Evacuation Volume (3 casing volumes) = 7.28 (7.50)			
Total Volume of Water Removed (gallons): 7.50 Gal			

Time (military)	1324	1329	1334	1338			
Volume Purged (Gallons)	0	2.50	5.0	7.50			
	–	–	–	–			
pH (s.u.) ±.2	6.23	5.80	5.62	5.67			
Sp. Cond. (µmhos/cm) ±10%	93	58	68	85			
Water Temp. (°C) constant	16.6	16.9	16.7	16.5			
Turbidity (NTU) ±10% or ≤5 NTU	14.	800+	800+	800+			
DO	5.32	5.53	5.84	6.02			
ORP	-45.1	13.5	32.1	48.2			
	–	–	–	–			

COMMENTS/OBSERVATIONS: Cloudy, slight odor MS/MSD HERE
Metals taken 1.20.15 @ 0905 . NTU = 11

Date: 1/20/15 By: Ray Powe

ASI Analytical Services

FIELD DATA INFORMATION LOG FOR GROUND-WATER SAMPLING

Client:	Republic Services	Casing Diameter:	2" ✓
Site Name	JMN/Cleveland Container Landfill	Casing Material:	PVC ✓
Field Personnel:	Ray Powe Will Flammer Marshall Williams	Dedicated Pump:	No ✓
Well ID #: 2302-MW-1C			
Weather Conditions: Clear, cool, light breeze		Method of Well Evacuation:	Teflon lined Bailer
Total Well Depth in feet (TWD) = 78.03		Method of Sample Collection:	Teflon lined Bailer
Depth to Ground Water in feet (DGW) = 45.36		Well Yield (subjective):	Good
~~36~~ 32.67		Sample Date and Time:	1/19/15 @ 1420
2" Well: 1 Casing Volume in gallons (CV) = LWC x 0.163 = 5.32 (5.50)		Metals 1/20/15 @ 0908	
Standard Evacuation Volume (3 casing volumes) = 15.9 (16.0)			
Total Volume of Water Removed (gallons): 16.00			

Time (military)	1347	1357	1411	1420			
Volume Purged (Gallons)	0	5.50	11.00	16.00			
pH (s.u.) ±.2	5.86	6.12	6.16	6.16			
Sp. Cond. (µmhos/cm) ±10%	189	196	195	200			
Water Temp. (°C) constant	16.4	16.5	16.5	16.4			
Turbidity (NTU) ±10% or ≤5 NTU	12	23	21	24			
DO	4.15	4.56	4.95	4.40			
ORP	64.9	64.7	78.2	86.2			

COMMENTS/OBSERVATIONS: Cloudy; no odor Field Blank here @ 1421
Metals on 1/20/15 @ 0908 NTU = 6.54

Date: 1.20.15 By: [signature]

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ASI Analytical Services

FIELD DATA INFORMATION LOG FOR GROUND-WATER SAMPLING

Client:	Republic Services	Casing Diameter:	2"
Site Name	JMN/Cleveland Container Landfill	Casing Material:	PVC
Field Personnel:	Ray Powe Will Flammer Marshall Williams	Dedicated Pump:	No
Well ID #: 2302- MW-4			
Weather Conditions: Clear, sunny, breezy		Method of Well Evacuation:	Teflon lined Bailer
Total Well Depth in feet (TWD) = 17.31		Method of Sample Collection:	Teflon lined Bailer
Depth to Ground Water in feet (DGW) = 5.21		Well Yield (subjective):	Good
		Sample Date and Time:	1/19/15 @ 1315
2" Well: 1 Casing Volume in gallons (CV) = LWC x 0.163 = 1.97		Metals 1/20/15 @ 0829	
Standard Evacuation Volume (3 casing volumes) = 5.92			
Total Volume of Water Removed (gallons): 6.00			

Time (military)	1308	1310	1312	1315			
Volume Purged (Gallons)	0	2.00	4.00	6.00			
pH (s.u.) ± .2	5.92	6.09	6.12	6.12			
Sp. Cond. (µmhos/cm) ± 10 %	163	173	178	179			
Water Temp. (°C) constant	14.9	12.5	13.3	14.0			
Turbidity (NTU) ±10 % or ≤ 5 NTU	55	800+	800+	800+			
DO	1.33	2.73	2.41	2.04			
ORP	23.0	-14.0	-27.4	-38.9			

COMMENTS/OBSERVATIONS: Cloudy; no odor
Metals @ 1/20/15 @ 0829 NTU = 13

Date: 1/20/15 By: [signature]

ASI Analytical Services

FIELD DATA INFORMATION LOG FOR GROUND-WATER SAMPLING

Client:	Republic Services	Casing Diameter:	2"
Site Name	JMN/Cleveland Container Landfill	Casing Material:	PVC
Field Personnel:	Ray Powe Will Flammer Marshall Williams	Dedicated Pump:	No
Well ID #: Z302-MW-5			
Weather Conditions: Clear, sunny, light breeze		Method of Well Evacuation:	Teflon lined Bailer
Total Well Depth in feet (TWD) = 26.08		Method of Sample Collection:	Teflon lined Bailer
Depth to Ground Water in feet (DGW) = 15.28		Well Yield (subjective):	Good
10.8		Sample Date and Time:	1.19.15 @ 1301
2" Well: 1 Casing Volume in gallons (CV) = LWC x 0.163 = 1.76 (2.0)		Metals: 1.20.15 @ 0825	
Standard Evacuation Volume (3 casing volumes) = 5.28 (5.50)			
Total Volume of Water Removed (gallons): 5.50 Gal			

Time (military)	1255	1257	1259	1301			
Volume Purged (Gallons)	0	2.0	4.0	5.50			
	—	—	—	—			
pH (s.u.) ±.2	5.53	5.43	5.32	5.31			
Sp. Cond. (µmhos/cm) ±10%	362	268	258	260			
Water Temp. (°C) constant	16.8	16.8	16.7	16.7			
Turbidity (NTU) ±10% or ≤5 NTU	800+	800+	800+	800+			
DO	1.97	2.21	2.48	2.69			
ORP	99.7	104.4	112.3	116.6			
	—	—	—	—			

COMMENTS/OBSERVATIONS: Cloudy, no odor Metals taken 1.20.15 @ 0825. NTU = 5.14

Date: 1/20/15 By: Ray Powe

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ASI Analytical Services

FIELD DATA INFORMATION LOG FOR GROUND-WATER SAMPLING

Client:	Republic Services	Casing Diameter:	2"
Site Name	JMN/Cleveland Container Landfill	Casing Material:	PVC
Field Personnel:	Ray Powe Will Flammer ~~Marshall Williams~~	Dedicated Pump:	No
Well ID #: 2302-MW-6A			
Weather Conditions: Clear, sunny, breezy		Method of Well Evacuation:	Teflon lined Bailer
Total Well Depth in feet (TWD) = 39.86		Method of Sample Collection:	Teflon lined Bailer
Depth to Ground Water in feet (DGW) = 28.31		Well Yield (subjective):	Good
		Sample Date and Time:	1/19/15 @ 1249
2" Well: 1 Casing Volume in gallons (CV) = LWC x 0.163 = 1.88		Metals 1/20/15 @ 0821	
Standard Evacuation Volume (3 casing volumes) = 5.65			
Total Volume of Water Removed (gallons): 5.75			

Time (military)	1240	1243	1246	1249			
Volume Purged (Gallons)	0	2.00	4.00	5.75			
pH (s.u.) ± .2	5.92	5.84	5.94	5.91			
Sp. Cond. (µmhos/cm) ± 10%	52	48	49	49			
Water Temp. (°C) constant	17.0	16.5	16.4	16.3			
Turbidity (NTU) ±10% or ≤ 5 NTU	23	40	43	40			
DO	1.45	2.00	1.43	1.32			
ORP	60.3	66.4	69.1	71.9			

COMMENTS/OBSERVATIONS: Slightly cloudy; Odor
Metals 1/20/15 @ 0821 NTU = 2.16

Date: 1/20/15 By: [signature]

WP

ASI Analytical Services

FIELD DATA INFORMATION LOG FOR GROUND-WATER SAMPLING

Client:	Republic Services	Casing Diameter:	2"
Site Name	JMN/Cleveland Container Landfill	Casing Material:	PVC
Field Personnel:	Ray Powe Will Flammer Marshall Williams	Dedicated Pump:	No
Well ID #: 2302- MW-7A			
Weather Conditions: Clear, sunny, light breeze		Method of Well Evacuation:	Teflon lined Bailer
Total Well Depth in feet (TWD) = 41.70		Method of Sample Collection:	Teflon lined Bailer
Depth to Ground Water in feet (DGW) = 35.14		Well Yield (subjective):	Poor
6.56		Sample Date and Time:	1.19.15 @ 1232
2" Well: 1 Casing Volume in gallons (CV) = LWC x 0.163 = 1.06 (1.25)		Metals @: 1.20.15 @ 0817	
Standard Evacuation Volume (3 casing volumes) = 3.20 (3.25)			
Total Volume of Water Removed (gallons): 2.0 Gal			

Time (military)	1228	1231	1232	DRY @			
Volume Purged (Gallons)	0	1.25	2.0	~~1.23~~ 2.0 Gal			
	–	–	–				
pH (s.u.) ±.2	5.55	5.57	5.60				
Sp. Cond. (µmhos/cm) ±10%	126	130	133				
Water Temp. (°C) constant	16.5	16.5	16.5				
Turbidity (NTU) ±10% or ≤5 NTU	2.13	408.	800+				
DO	5.09	3.06	3.26				
ORP	41.1	50.9	56.7				
	–	–	–				

COMMENTS/OBSERVATIONS: Bailed dry @ 2.0 Gal. Cloudy, no odor
Metals taken 1.20.15 @ 0817. NTU = 5.47

Date: 1.20.15 By: [signature]

ASI Analytical Services

FIELD DATA INFORMATION LOG FOR GROUND-WATER SAMPLING

Client:	Republic Services	Casing Diameter:	2"
Site Name	JMN/Cleveland Container Landfill	Casing Material:	PVC
Field Personnel:	Ray Powe Will Flammer ~~Marshall Williams~~	Dedicated Pump:	No
Well ID #: Z302-MW-8			
Weather Conditions: Clear, sunny, breezy		Method of Well Evacuation:	Teflon lined Bailer
Total Well Depth in feet (TWD) = 53.83		Method of Sample Collection:	Teflon lined Bailer
Depth to Ground Water in feet (DGW) = 43.86		Well Yield (subjective):	Good
		Sample Date and Time:	1/19/15 @ 1219
2" Well: 1 Casing Volume in gallons (CV) = LWC x 0.163 = ~~9.97~~ 1.63		Metals 1/20/15 @ 0923	
Standard Evacuation Volume (3 casing volumes) = 4.88			
Total Volume of Water Removed (gallons): 5.00			

Time (military)	1210	1213	1216	1219			
Volume Purged (Gallons)	0	1.75	3.50	5.00			
pH (s.u.) ± .2	5.51	5.58	5.50	5.45			
Sp. Cond. (µmhos/cm) ± 10 %	92	109	83	82			
Water Temp. (°C) constant	17.9	17.5	17.4	16.8			
Turbidity (NTU) ±10 % or ≤ 5 NTU	11	12	13	15			
DO	3.33	2.40	1.90	1.72			
ORP	63.6	23.2	23.4	35.4			

COMMENTS/OBSERVATIONS: Clear; slight odor DUP here
Metals 1/20/15 @ 0923 NTU= 5.77

Date: 1.20.15 By: [signature]

WP

FIELD INFORMATION LOG

Facility: JMN – Cleveland Cont. Sample Point ID: 2302 SW-3

Location: Grover, NC Field Representatives: WF RP

Sample Matrix: Surfacewater

Time	pH (Std Units)	Conduct. (OS/cm)	Temp (°C)	Turbidity. (NTU's)	ORP (mV)	DO (mg/L)
0842	6.08	99	5.11	7.89	206.4	5.84

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED: VOC's, Metals

COMMENTS AND OBSERVATIONS: Clear, no odor, decent flow. Sampled ≈6' to the ~~to~~ left of the sign.

Facility: JMN – Cleveland Cont. Sample Point ID: 2302 SW-4

Location: Grover, NC Field Representatives: RP WF

Sample Matrix: Surfacewater

Time	pH (Std Units)	Conduct. (OS/cm)	Temp (°C)	Turbidity. (NTU's)	ORP (mV)	DO (mg/L)
—	—	—	—	—	—	—

ANALYTE COLLECTION ORDER, CONTAINERS, PRESERVATIVES AND TESTS PERFORMED:

COMMENTS AND OBSERVATIONS: Point DRY; could not sample

I certify that sampling procedures were in accordance with all applicable EPA and State protocols.

Date: 1/20/15 By: Ray Pope Company: ASI

WF
8

FIELD INSTRUMENT LOG

Project: JMN container Dates: 1/19/15 – 1/20/15

Personnel: R. Powe W. Flanner

ph/SC/TEMP/DO/ORP	Turbidity
o YSI 556 MPS serial: 08H100790 o YSI 556 MPS serial: 05D2373AJ X YSI 556 MPS serial: 13A100062 o _____	o Lamotte serial: 4191 - 0814 X Oakton T-100 serial: 957596 o Lamotte serial: ME12942 o _____
Water Level	**Methane**
o Heron Dipper T serial: 06964 o Solinst serial: 048125 X Solinst serial: 200763 o _____	o RKI Eagle serial: E3Z031 X RKI Eagle serial: E3Z030 o _____

pH 4.0 Lot # 2310A78 pH 4.0 Exp. 10/15 Sc 1413 Lot# 111605 Exp. 8/15

pH 7.0 Lot# 2306880 pH 7.0 Exp 6/15 Sc — Lot# — Exp. —

pH 10.0 Lot# 2406862 pH 10.0 Exp 12/15 ORP 240 Lot# 7320 Exp. 2/19

Date of Calibrations: 1/19/15

pH: 4.0 std. = 4.00 7.0 std. = 7.00 10.0 std. = 9.97

SC: 1413 uS/cm = 1413 ORP 240 mV = 240

Turbidity: 1.0 ntu = 1.0 Methane: 50 % LEL = 48

Date of Calibrations: 1/20/15

pH: 4.0 std. = 4.00 7.0 std. = 7.00 10.0 std. = 9.99

SC: 1413 uS/cm = 1413 ORP 240 mV = 240

Turbidity: 1.0 ntu = 1.0 Methane: ~~50~~ % LEL = —

Date of Calibrations: _____

pH: 4.0 std. = _____ 7.0 std. = _____ 10.0 std. = _____

SC: _____ uS/cm = _____ ORP_____ mV = _____

Turbidity: _____ ntu = _____ Methane: _____ % LEL = _____

Date of Calibrations: _____

pH: 4.0 std. = _____ 7.0 std. = _____ 10.0 std. = _____

SC: _____ uS/cm = _____ ORP_____ mV = _____

Turbidity: _____ ntu = _____ Methane: _____ % LEL = _____

Date of Calibrations: _____

pH: 4.0 std. = _____ 7.0 std. = _____ 10.0 std. = _____

SC: _____ uS/cm = _____ ORP_____ mV = _____

Turbidity: _____ ntu = _____ Methane: _____ % LEL = _____