February 1, 2016

NC DENR
Division of Waste Management - Solid Waste Section
ATTN: Ms. Jacklynne Drummond
1646 Mail Service Center
Raleigh, North Carolina 2769-1646

ARM
Geothermal, Environmental, & Well Drilling

RE: Semi-Annual Assessment/Detection Monitoring Report
Alleghany County Closed MSW Landfill
Permit # 03-03-T
Sparta, North Carolina

Ms. Drummond,

Attached is the Environmental Monitoring Reporting Form and Monitoring Report for the above referenced facility. The entire report is provided on CD-ROM for your review. Review of historical results have shown fluctuating low level hydrocarbon concentrations of benzene and vinyl chloride meeting and exceeding the NCAC T:15A 02L Groundwater Standards at monitoring wells 0303T-MW1 and 0303T-MW3. This event revealed one monitoring well, 0303T-MW3 to be non-compliant for Appendix I Metal cobalt. 0303T-MW4 contained VOC 2-Hexanone at 55.4 ppb, slightly exceeding the GWP standard of 40 ppb. 0303T-MW2 revealed methylene chloride at the Groundwater Standard of 5 ppb. All other monitoring well and stream samples collected during this event were found to be compliant.

Historical methane monitoring at the site revealed the monitoring wells to contain low level methane readings ranging from 0 to 120 ppm. This event revealed all of the monitoring wells to be absent of methane with all readings showing no detectable concentrations. LEL readings were consistent at 0%. The methane well, located in the central portion of the landfill, revealed methane concentrations ranging from 80 to 2,140 ppm and a LEL between 10% and 22%. In addition, methane monitoring was conducted within the enclosed structures identified as the scale house, the recycling center/storage area, and the tipping scale area. No methane levels were detected at these sites. It is recommended that the groundwater monitoring program continue on a semi-annual schedule. Methane monitoring for all five monitoring wells, the on-site methane well, and enclosed structures will continue on a quarterly basis.

If you have any questions or require additional information, do not hesitate to call.

Sincerely,

Joseph L. Zuncich
Project Manager/CWD/Environmental Geologist

cc. Alleghany County
ATTN: Mr. Don Adams, County Manager, P.O. Box 366, Sparta, North Carolina 28675

Applied Resource Management, P. C.
P. O. Box 882, 257 Transfer Station Road, Hampstead, NC 28443 910.270.2919 Fax 910.270.2988

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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

Applied Resource Management P.C.

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

Name: Joseph L. Zuncich Phone: 910-270-2919

E-mail: joe_arm@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Allegheny County Landfill	Hwy 18, Sparta, NC	03-03-T	.0500	December 16-17, 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.

James L. Cornette, Agent 910-270-2919

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

J Cornette 2/1/16

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1214 GEOLOGIST JAMES L. CORNETTE 2/1/16

Revised 01/2007

ASSESSMENT/DETECTION MONITORING REPORT
FOR THE
ALLEGHANY COUNTY MUNICIPAL SOLID WASTE LANDFILL (CLOSED)

SPARTA, NORTH CAROLINA
JANUARY 14, 2016

Permit #	03-03-T
Land Use:	Municipal Solid Waste Landfill.
Prop. Owner:	Alleghany County 348 South Main Street Sparta, North Carolina 28675 (336) 372-4179
Site Operator:	Alleghany County 348 South Main Street Sparta, North Carolina 28675 (336) 372-4179
Date:	January 14, 2016
Nat. of Release:	Suspected hydrocarbon leachate discharge from landfill disposal
Coordinates:	Latitude(North): 36° 29' 26" N Longitude(West): 81° 08' 58" W
Prepared By:	Applied Resource Management, PC 257 Transfer Station Road P. O. Box 882 Hampstead, North Carolina 28443 (910) 270-2919 Fax (910) 270-2988

TABLE OF CONTENTS

		Page
1.0	**SUMMARY OF SAMPLING RESULTS**	**1**
1.1	Summary of Analytical Results and Free Product Thicknesses	1
1.2	Proximity of the Plume to the Nearest Receptor	4
1.3	Description of Current Plume Size	5
1.4	Groundwater Flow Direction	5
1.5	Predictive Rate of Contaminant Transport	5
2.0	**CONCLUSIONS AND RECOMMENDATIONS**	**5**
3.0	**REFERENCES**	**6**

TABLES

TABLE 1	**SEMI-ANNUAL MONITORING WELL, METHANE SCREENING, AND STREAM SAMPLING DATA SUMMARY**
TABLE 2	**QUARTERLY METHANE MONITORING DATA SUMMARY**
TABLE 3	**HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY**

FIGURES

FIGURE 1	**SITE MAP WITH MONITORING WELL AND STREAM SAMPLE LOCATIONS**
FIGURE 2	**SITE MAP WITH DOMESTIC WELL LOCATIONS**
FIGURE 3	**GROUNDWATER TABLE CONTOURS AS OF 12/16/15**

APPENDICES

APPENDIX A	**LABORATORY REPORTS**
APPENDIX B	**LANDFILL EDD**

ASSESSMENT/DETECTION MONITORING REPORT
FOR THE
ALLEGHANY COUNTY MUNICIPAL SOLID WASTE LANDFILL (CLOSED)
SPARTA, NORTH CAROLINA
PERMIT # 03-03-T

PREPARED FOR:

ALLEGHANY COUNTY
SPARTA, NORTH CAROLINA

JANUARY 14, 2016

1.0 SUMMARY OF SAMPLING RESULTS

1.1 Summary of Analytical Results and Free Product Thicknesses
(Refer to Tables 1, 2, and Appendix A)

As summarized on the referenced tables, numerous sampling events have been conducted at the site on a semi-annual schedule. This event included the sampling of the five monitoring wells (0303T-MW1 thru 0303T-MW5), and two stream samples 0303T-ST1 and 0303T-ST2. Also, methane monitoring was conducted on-site. Figure 1 is a Site Map With Monitoring Well And Stream Sample Locations. A Semi-Annual Monitoring Well, Methane Screening, And Stream Sampling Data Summary is provided in Table 1. Quarterly Methane Monitoring is summarized in Table 2. A Historical Groundwater Sampling Results Summary is provided in Table 3. Review of the current analytical results for Appendix I Volatiles indicate 0303T-MW4 to contain a non-compliant 2-Hexanone concentration at 55.4 ppb, slightly exceeding the Groundwater Protection Standard at 40 ppb. 0303T-MW3 revealed a non-compliant cobalt concentration at 0.0122 ppb, exceeding the Groundwater Protection Standard at 0.001 ppm. All other monitoring wells and stream samples were found to be compliant for all Appendix I Volatiles and Appendix I Metals. Historical results have revealed both 0303T-MW1 and 0303T-MW3 to contain fluctuating low compliant and non-compliant vinyl chloride and benzene concentrations. Benzene concentrations at 0303T-MW1 have ranged from below laboratory quantitation limits to 5.02 ppb, with this and several previous benzene concentrations found to be non-detected. 0303T-MW2 has historically

revealed non-compliant methylene chloride concentrations ranging from 5.34 to 17.1 ppb. This event revealed a concentration at the Standard of 5 ppb. 0303T-MW3 was found to be compliant for all Appendix I volatile compounds tested. Upgradient well, 0303T-MW4 revealed a non-compliant 2-Hexanone concentration of 55.4 ppb. The downgradient well, 0303T-MW5, located between 0303T-MW1 and Vile Creek, has consistently revealed all target compounds to be compliant. All other monitoring wells and stream samples collected during this event and previous events were found to be compliant for Appendix I Volatiles.

The Appendix I metal cobalt was found at 0303T-MW3 at a non-compliant concentration of 0.0122 ppm, exceeding the Groundwater Protection Standard at 0.001 ppm. All other monitoring well and stream samples collected during this event for Appendix I metals were found to be compliant as compared with the NCAC 02L Groundwater Standards and Groundwater Protection Standards.

Methane monitoring was conducted during this event at all five monitoring wells, the on-site methane well, and the enclosed structures identified as the scale house, the recycling center, and the tipping scale area. No measurable methane concentrations were found to be present at any of the monitoring well locations (see Table 1). Historically, low level methane readings have been found in the wells ranging from 0 to 120 ppm. LEL readings were consistent at 0% during this event. No detectable methane levels were found at the scale house, the recycling/storage center, and the tipping scale area. The methane well, located in the central portion of the landfill, revealed a methane concentration ranging from 80 to 2,140 ppm and a LEL between 10% and 22%. A Quarterly Methane Monitoring Data Summary is provided in Table 2.

Results of Well Gauging

A semi-annual monitoring well and stream sampling data summary is presented in Table 1. Depth to the groundwater table, as measured on 12/16/15, ranged from 2.76 to 31.78 feet.

Sampling Methods and Results

(Refer to Table 3 and Appendix A)

As part of this monitoring event, five monitoring wells, 0303T-MW1 through 0303T-MW5 were purged of at least three well volumes of groundwater and sampled. Also, two stream samples, 0303T-ST1 and 0303T-ST2 were

collected. All of the monitoring well groundwater samples and stream samples were analyzed for Appendix I Volatiles and Appendix I Metals. Review of historical results have shown low level hydrocarbon concentrations of benzene and vinyl chloride exceeding NCAC 02L Groundwater Standards at monitoring well 0303T-MW1. Benzene concentrations at 0303T-MW1 have historically ranged from below laboratory quantitation limits to 5.02 ppb, exceeding the State action limit of 1 ppb.

This event revealed a continued compliant, non-detect benzene concentration at 0303T-MW1. 0303T-MW3 historically revealed vinyl chloride concentrations above the State action limit during several of the previous sampling events, although six of the previous or alternating events revealed vinyl chloride to be either below quantitation limits or not detected. Current results for 0303T-MW3 show a compliant non-detect concentration of vinyl chloride. 0303T-MW2 has been compliant for all compounds during previous sampling events with the exception of low levels of methylene chloride. Concentrations found as part of eight previous events revealed non-compliant (GWP Std.) methylene chloride at 5.64J ppb (12/22/10), 5.34 ppb (6/13/11), 11.8 ppb (6/21/12), 13.6 ppb (12/14/12), 13.4 ppb (6/19/13), 13.2 ppb (12/19/13), 17.1 ppb (6/12/14), and a non-compliant concentration during the previous event (12/18/14) at 10.2 ppb. These concentrations exceed the NCAC 02L Groundwater Standards of 5 ppb for methylene chloride. This event revealed a methylene chloride concentration at the Standard of 5.0 ppb. Up gradient well, 0303T-MW4, revealed a non-compliant 2-Hexanone concentration at 55.4 ppb, slightly exceeding the Groundwater Protection Standard at 40 ppb. The down gradient well, 0303T-MW5, located between 0303T-MW1 and Vile Creek, has revealed consistently compliant hydrocarbon concentrations. All other monitoring wells and stream samples collected during this event and previous events were found to be compliant for Appendix I Volatiles. The Appendix I metal cobalt was found at 0303T-MW3 at a concentration of 0.0122 ppm, slightly exceeding the GWP Std. currently at 0.001 ppm. All other wells and stream samples revealed compliant concentrations for all Appendix I metals. Laboratory results are enclosed as Appendix A.

Methane monitoring was conducted at the site utilizing a Gas Tracer. No measurable methane concentrations were detected in any of the monitoring wells during this event. Historically, the monitoring wells were found to contain low level methane readings ranging from 0 to 120 ppm. LEL readings were consistent at 0%. The methane well, located in the central portion of the landfill, revealed methane concentrations ranging from 80 to

2,140 ppm, with a LEL between 10% and 22%. In addition, methane monitoring was conducted inside the enclosed structures identified as the scale house, the recycling center/storage area, and the tipping scale area. No methane levels were detected at these locations.

1.2 Proximity of the Plume to the Nearest Receptor

(Refer to Figure 2)

Sensitive receptors of contamination, as defined by the NCDENR, include groundwater supply wells and subsurface building structures, as well as any potential for adverse impact to humans, plants, or animals. Five surrounding water supply wells were identified in 2008 by Alleghany County personnel within a 500 foot buffer of the former landfill. Figure 2 is a Site Map With Domestic Well Locations. A summary of surrounding water wells are as follows:

WELL #	OWNER/ ADDRESS	WELL TYPE/ USE	MUNICIPAL WATER AVAILABLE	MUNICIPAL WATER CONNECTION	APPROXIMATE DISTANCE FROM SOURCE AREA OF RELEASE (ft.)
1	Alleghany Co. P.O. Box 366 Sparta, NC 28675	Drinking & Irrigation	NO	NO	<200'
2	Marry Perry 501 Osborne Rd. Sparta, NC 28675	Drinking & Irrigation	NO	NO	490'
3	Mary & Rick Perry 464 Osborne Rd. Sparta, NC 28675	Drinking & Irrigation	NO	NO	420'
4	Billy Dale Alley 264 Osborne Road Sparta, NC 28675	Drinking & Irrigation	NO	NO	420'
5	Edwin & Laura Bloodworth 231 Osborne Rd. Sparta, NC 28675	Drinking & Irrigation	NO	NO	400'

1.3 Description of Current Plume Size

Review of historical results have shown varying low level hydrocarbon concentrations of benzene and vinyl chloride exceeding NCAC T:15A 02L Groundwater Standards at monitoring well 0303T-MW1 and 0303T-MW3. Also, 0303T-MW2 has revealed methylene chloride during several previous events above the State action limit. This event revealed two monitoring wells, 0303T-MW3 and 0303T-MW4 to be non-compliant.

1.4 Groundwater Flow Direction
(Refer to Figure 3)

As presented on Figure 3, groundwater flow appears to remain toward the southeast under the site.

1.5 Predictive Rate of Contaminant Transport

As shown on Figure 3, an overall groundwater flow toward the southeast was identified within the area of investigation. A hydraulic gradient (dh/dl) of 5.4% was calculated between 0303T-MW2 and 0303T-MW3. No slug testing or other hydrogeological testing has been conducted as of this date. In the event contaminant concentrations significantly increase or begin to appear within down gradient wells, additional hydrogeological analyses could become necessary.

2.0 CONCLUSIONS AND RECOMMENDATIONS

Review of historical results have shown fluctuating low level hydrocarbon concentrations of benzene and vinyl chloride meeting and exceeding the NCAC T:15A 02L Groundwater Standards at monitoring wells 0303T-MW1 and 0303T-MW3. This event revealed one monitoring well, 0303T-MW3 to be non-compliant for the Appendix I Metal cobalt. 0303T-MW4 contained VOC 2-Hexanone at 55.4 ppb, slightly exceeding the GWP std. Of 40 ppb. All other monitoring well and stream samples collected during this event were found to be compliant for Appendix I VOCs and Metals.

Historical methane monitoring at the site revealed the monitoring wells to contain low level methane readings ranging from 0 to 120 ppm. This event revealed all of the monitoring wells to be absent of methane with all readings showing no detectable concentrations. LEL readings were consistent at 0%. The methane well, located in the central portion of the landfill, revealed methane concentrations ranging from 80 to 2,140 ppm and a LEL between 10% and 22%. In addition, methane monitoring was conducted within the enclosed structures identified as the scale house, the recycling center/storage area, and the tipping scale area. No methane levels were detected at these sites.

It is recommended that the groundwater monitoring program continue on a semi-annual schedule. Methane monitoring for all five monitoring wells, the on-site methane well, and enclosed structures will continue on a quarterly basis.

3.0 REFERENCES

North Carolina Department of Environment and Natural Resources, NC Solid Waste Program. Requirements For Municipal Solid Waste Landfill Facilities (MSWLFs).

North Carolina Department of Environmental and Natural Resources, March 2007. Ground Water Section Guidelines for the Investigation and Remediation of Soil and Ground Water.

North Carolina Department of Environment and Natural Resources, Waste Management - Constituent List Last Updated 11/20/13.

TABLES

TABLE 1

SEMI-ANNUAL MONITORING WELL, METHANE SCREENING,
AND STREAM SAMPLING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

DECEMBER 16-17, 2015

SAMPLE	WELL DEPTH IN FEET	TOP OF CASING ELEVATION	DEPTH TO WATER IN FEET	GROUND WATER TABLE ELEVATION	BAILS REQ'D	QUANTITY PURGED IN GALLONS (Three Volumes)	pH	TEMP. IN F°	SPEC. CONDUCT IN umhos	METHANE GAS LEL/ PPM
0303T-MW1	36	3,023.25	8.67	3,014.58	55	13.12	6.3	52.7	129.1	0/0
0303T-MW2	29	3,023.77	2.76	3,021.01	53	12.60	7.1	54.9	44.6	0/0
0303T-MW3	51	3,086.00*	31.78	3,054.22	38	9.23	4.8	55.2	54.7	0/0
0303T-MW4	42	3,063.06	17.94	3,045.12	48	11.55	5.6	54.9	98.0	0/0
0303T-MW5	19	3,012.92	6.65	3,006.27	25	5.93	6.0	55.9	35.7	0/0
METHANE WELL	Approx 160	NA	NA	NA	NA	NA	NA	NA	NA	10-22%/ 80- 2,140
0303T-ST1	NA	NA	NA	NA	NA	NA	7.7	50.2	54.8	NA
0303T-ST2	NA	NA	NA	NA	NA	NA	7.5	50.0	30.6	NA

NOTES:
MW = Monitoring Well Sample
ST = Stream Sample
NA = Not Applicable
Methane Monitoring Conducted With Gas Tech And PHD Plus Atmospheric Monitor
* = Assumed Benchmark Elevation At MW-3 Adjusted From GPS
Groundwater Measurements Obtained On December 16, 2015
Groundwater And Surface Water Samples collected December 16-17, 2015

TABLE 2

QUARTERLY METHANE MONITORING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

SAMPLE LOCATION/ SAMPLED BY	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
MW-1/ARM	12/17/2008	36	0	120
MW-2/ARM	12/17/2008	29	0	10
MW-3/ARM	12/17/2008	51	0	20
MW-4/ARM	12/17/2008	42	0	80
MW-5/ARM	12/17/2008	19	0	0
METHANE WELL/ARM	12/17/2008	Approx 160	5%-13%	3,200-6,500
MW-1/ACLF	3/19/2009	36	0	0
MW-2/ACLF	3/19/2009	29	0	0
MW-3/ACLF	3/19/2009	51	0	0
MW-4/ACLF	3/19/2009	42	0	0
MW-5/ACLF	3/19/2009	19	0	0
METHANE WELL/ACLF	3/19/2009	Approx 160	5%-12%	2,700-7,000
MW-1/ARM	6/2/2009	36	0	0
MW-2/ARM	6/2/2009	29	0	0
MW-3/ARM	6/2/2009	51	0	0
MW-4/ARM	6/2/2009	42	0	0
MW-5/ARM	6/2/2009	19	0	0
METHANE WELL/ARM	6/2/2009	Approx 160	3%-18%	1,200-9,500
MW-1/ACLF	9/15/2009	36	NM*	NM*
MW-2/ACLF	9/15/2009	29	NM*	NM*
MW-3/ACLF	9/15/2009	51	NM*	NM*
MW-4/ACLF	9/15/2009	42	NM*	NM*
MW-5/ACLF	9/15/2009	19	NM*	NM*
METHANE WELL/ACLF	9/15/2009	Approx 160	NM*	NM*
MW-1/ARM	12/22/2009	36	0	40
MW-2/ARM	12/22/2009	29	0	60
MW-3/ARM	12/22/2009	51	0	0
MW-4/ARM	12/22/2009	42	0	0
MW-5/ARM	12/22/2009	19	0	0
METHANE WELL/ARM	12/22/2009	Approx 160	10%-20%	1,750-4,360

NM* = Not measured due to equipment malfunction
ARM = Applied Resource Management, PC.
ACLF = Alleghany County Landfill

TABLE 2 (Continued)

QUARTERLY METHANE MONITORING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

SAMPLE LOCATION/ SAMPLED BY	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
MW-1/ARM	6/9/2010	36	0	40
MW-2/ARM	6/9/2010	29	0	10
MW-3/ARM	6/9/2010	51	0	0
MW-4/ARM	6/9/2010	42	0	0
MW-5/ARM	6/9/2010	19	0	0
METHANE WELL/ARM	6/9/2010	Approx 160	10%-20%	850-1,600
SCALE HOUSE/ARM	6/9/2010	NA	0	0
RECYCLING CENTER/ARM	6/9/2010	NA	0	0
TIPPING SCALE/ARM	6/9/2010	NA	0	0
MW-1/ARM	9/2/10	36	0	20
MW-2/ARM	9/2/10	29	0	0
MW-3/ARM	9/2/10	51	0	0
MW-4/ARM	9/2/10	42	0	0
MW-5/ARM	9/2/10	19	0	0
METHANE WELL/ARM	9/2/10	Approx 160	10%-20%	1,475-5,900
SCALE HOUSE/ARM	9/2/10	NA	0	0
RECYCLING CENTER/ARM	9/2/10	NA	0	0
TIPPING SCALE/ARM	9/2/10	NA	0	0
MW-1/ARM	12/22/10	36	0	20
MW-2/ARM	12/22/10	29	0	10
MW-3/ARM	12/22/10	51	0	0
MW-4/ARM	12/22/10	42	0	0
MW-5/ARM	12/22/10	19	0	0
METHANE WELL/ARM	12/22/10	Approx 160	10%-21%	1,200-4,200
SCALE HOUSE/ARM	12/22/10	NA	0	0
RECYCLING CENTER/ARM	12/22/10	NA	0	0
TIPPING SCALE/ARM	12/22/10	NA	0	0

ARM = Applied Resource Management, PC.
LEL = Lower explosive limit
PPM = Parts per million
NA = Not applicable

TABLE 2 (Continued)

QUARTERLY METHANE MONITORING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

SAMPLE LOCATION/ SAMPLED BY	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
0303T-MW1	3/3/2011	36	0	10
0303T-MW2	3/3/2011	29	0	0
0303T-MW3	3/3/2011	51	0	0
0303T-MW4	3/3/2011	42	0	0
0303T-MW5	3/3/2011	19	0	0
METHANE WELL/ARM	3/3/2011	Approx 160	10%-20%	740-7,850
SCALE HOUSE/ARM	3/3/2011	NA	0	0
RECYCLING CENTER/ARM	3/3/2011	NA	0	0
TIPPING SCALE/ARM	3/3/2011	NA	0	0
0303T-MW1	6/13/2011	36	0	20
0303T-MW2	6/13/2011	29	0	0-10
0303T-MW3	6/13/2011	51	0	0
0303T-MW4	6/13/2011	42	0	0
0303T-MW5	6/13/2011	19	0	0
METHANE WELL	6/13/2011	Approx 160	10%-20%	620-2,340
SCALE HOUSE	6/13/2011	NA	0	0
RECYCLING CENTER	6/13/2011	NA	0	0
TIPPING SCALE	6/13/2011	NA	0	0
0303T-MW1	9/23/2011	36	0	0-10
0303T-MW2	9/23/2011	29	0	0
0303T-MW3	9/23/2011	51	0	0
0303T-MW4	9/23/2011	42	0	0
0303T-MW5	9/23/2011	19	0	0
METHANE WELL	9/23/2011	Approx 160	10%-20%	320-8,340
SCALE HOUSE	9/23/2011	NA	0	0
RECYCLING CENTER	9/23/2011	NA	0	0
TIPPING SCALE	9/23/2011	NA	0	0
0303T-MW1	12/15/2011	36	0	0-10
0303T-MW2	12/15/2011	29	0	0
0303T-MW3	12/15/2011	51	0	0
0303T-MW4	12/15/2011	42	0	0
0303T-MW5	12/15/2011	19	0	0
METHANE WELL	12/15/2011	Approx 160	10%-20%	430-4,600
SCALE HOUSE	12/15/2011	NA	0	0
RECYCLING CENTER	12/15/2011	NA	0	0
TIPPING SCALE	12/15/2011	NA	0	0

LEL = Lower explosive limit
PPM = Parts per million
NA = Not applicable

TABLE 2 (Continued)

QUARTERLY METHANE MONITORING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

SAMPLE LOCATION/ SAMPLED BY	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
0303T-MW1	3/15/2012	36	0	0-20
0303T-MW2	3/15/2012	29	0	20-40
0303T-MW3	3/15/2012	51	0	0
0303T-MW4	3/15/2012	42	0	0
0303T-MW5	3/15/2012	19	0	0
METHANE WELL/ARM	3/15/2012	Approx 160	10%-20%	410-2,930
SCALE HOUSE/ARM	3/15/2012	NA	0	0
RECYCLING CENTER/ARM	3/15/2012	NA	0	0
TIPPING SCALE/ARM	3/15/2012	NA	0	0
0303T-MW1	6/21/2012	36	0	0-10
0303T-MW2	6/21/2012	29	0	0-20
0303T-MW3	6/21/2012	51	0	0
0303T-MW4	6/21/2012	42	0	0
0303T-MW5	6/21/2012	19	0	0
METHANE WELL	6/21/2012	Approx 160	10%-20%	610-3,470
SCALE HOUSE	6/21/2012	NA	0	0
RECYCLING CENTER	6/21/2012	NA	0	0
TIPPING SCALE	6/21/2012	NA	0	0
0303T-MW1	9/18/2012	36	0	0
0303T-MW2	9/18/2012	29	0	0
0303T-MW3	9/18/2012	51	0	0
0303T-MW4	9/18/2012	42	0	0
0303T-MW5	9/18/2012	19	0	0
METHANE WELL	9/18/2012	Approx 160	10%-20%	600-3,120
SCALE HOUSE	9/18/2012	NA	0	0
RECYCLING CENTER	9/18/2012	NA	0	0
TIPPING SCALE	9/18/2012	NA	0	0
0303T-MW1	12/14/2012	36	0	0
0303T-MW2	12/14/2012	29	0	0-20
0303T-MW3	12/14/2012	51	0	0-20
0303T-MW4	12/14/2012	42	0	0
0303T-MW5	12/14/2012	19	0	0
METHANE WELL	12/14/2012	Approx 160	10%-20%	740-3,880
SCALE HOUSE	12/14/2012	NA	0	0
RECYCLING CENTER	12/14/2012	NA	0	0
TIPPING SCALE	12/14/2012	NA	0	0

LEL = Lower explosive limit
PPM = Parts per million
NA = Not applicable

TABLE 2 (Continued)

QUARTERLY METHANE MONITORING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

SAMPLE LOCATION/ SAMPLED BY	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
0303T-MW1	3/6/2013	36	0	0
0303T-MW2	3/6/2013	29	0	40-80
0303T-MW3	3/6/2013	51	0	0
0303T-MW4	3/6/2013	42	0	0
0303T-MW5	3/6/2013	19	0	0
METHANE WELL/ARM	3/6/2013	Approx 160	10%-20%	480-2,640
SCALE HOUSE/ARM	3/6/2013	NA	0	0
RECYCLING CENTER/ARM	3/6/2013	NA	0	0
TIPPING SCALE/ARM	3/6/2013	NA	0	0
0303T-MW1	6/19/2013	36	0	0-10
0303T-MW2	6/19/2013	29	0	0-20
0303T-MW3	6/19/2013	51	0	0
0303T-MW4	6/19/2013	42	0	0
0303T-MW5	6/19/2013	19	0	0
METHANE WELL	6/19/2013	Approx 160	10%-20%	880-4,760
SCALE HOUSE	6/19/2013	NA	0	0
RECYCLING CENTER	6/19/2013	NA	0	0
TIPPING SCALE	6/19/2013	NA	0	0
0303T-MW1	9/13/2013	36	0	40-60
0303T-MW2	9/13/2013	29	0	0-20
0303T-MW3	9/13/2013	51	0	0
0303T-MW4	9/13/2013	42	0	0
0303T-MW5	9/13/2013	19	0	0
METHANE WELL	9/13/2013	Approx 160	10%-20%	280-4,860
SCALE HOUSE	9/13/2013	NA	0	0
RECYCLING CENTER	9/13/2013	NA	0	0
TIPPING SCALE	9/13/2013	NA	0	0
0303T-MW1	12/19/2013	36	0	0
0303T-MW2	12/19/2013	29	0	120
0303T-MW3	12/19/2013	51	0	0
0303T-MW4	12/19/2013	42	0	0
0303T-MW5	12/19/2013	19	0	0
METHANE WELL	12/19/2013	Approx 160	10%-20%	320-3,700
SCALE HOUSE	12/19/2013	NA	0	0
RECYCLING CENTER	12/19/2013	NA	0	0
TIPPING SCALE	12/19/2013	NA	0	0

LEL = Lower explosive limit
PPM = Parts per million
NA = Not applicable

TABLE 2 (Continued)

QUARTERLY METHANE MONITORING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

SAMPLE LOCATION/ SAMPLED BY	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
0303T-MW1	3/6/2014	36	0	0
0303T-MW2	3/6/2014	29	0	60-140
0303T-MW3	3/6/2014	51	0	0
0303T-MW4	3/6/2014	42	0	0
0303T-MW5	3/6/2014	19	0	0
METHANE WELL/ARM	3/6/2014	Approx 160	10%-20%	180-1,760
SCALE HOUSE/ARM	3/6/2014	NA	0	0
RECYCLING CENTER/ARM	3/6/2014	NA	0	0
TIPPING SCALE/ARM	3/6/2014	NA	0	0
0303T-MW1	6/12/2014	36	0	0
0303T-MW2	6/12/2014	29	0	0
0303T-MW3	6/12/2014	51	0	0
0303T-MW4	6/12/2014	42	0	0
0303T-MW5	6/12/2014	19	0	0
METHANE WELL	6/12/2014	Approx 160	0%	80-500
SCALE HOUSE	6/12/2014	NA	0	0
RECYCLING CENTER	6/12/2014	NA	0	0
TIPPING SCALE	6/12/2014	NA	0	0
0303T-MW1	9/4/2014	36	0	0
0303T-MW2	9/4/2014	29	0	0
0303T-MW3	9/4/2014	51	0	0
0303T-MW4	9/4/2014	42	0	0
0303T-MW5	9/4/2014	19	0	0
METHANE WELL	9/4/2014	Approx 160	10-20%	280-1,860
SCALE HOUSE	9/4/2014	NA	0	0
RECYCLING CENTER	9/4/2014	NA	0	0
TIPPING SCALE	9/4/2014	NA	0	0
0303T-MW1	12/18/2014	36	0	0
0303T-MW2	12/18/2014	29	0	0
0303T-MW3	12/18/2014	51	0	0
0303T-MW4	12/18/2014	42	0	0
0303T-MW5	12/18/2014	19	0	0
METHANE WELL	12/18/2014	Approx 160	0-10%	140-680
SCALE HOUSE	12/18/2014	NA	0	0
RECYCLING CENTER	12/18/2014	NA	0	0
TIPPING SCALE	12/18/2014	NA	0	0

LEL = Lower explosive limit PPM = Parts per million NA = Not applicable

TABLE 2 (Continued)
QUARTERLY METHANE MONITORING
DATA SUMMARY

ALLEGHANY COUNTY
CLOSED MSWLF

SAMPLE LOCATION/ SAMPLED BY	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
0303T-MW1	3/5/2015	36	0	0
0303T-MW2	3/5/2015	29	0	0
0303T-MW3	3/5/2015	51	0	0
0303T-MW4	3/5/2015	42	0	0
0303T-MW5	3/5/2015	19	0	0
METHANE WELL/ARM	3/5/2015	Approx 160	0%-10%	20-480
SCALE HOUSE/ARM	3/5/2015	NA	0	0
RECYCLING CENTER/ARM	3/5/2015	NA	0	0
TIPPING SCALE/ARM	3/5/2015	NA	0	0
0303T-MW1	6/18/2015	36	0	0-20
0303T-MW2	6/18/2015	29	0	0
0303T-MW3	6/18/2015	51	0	0
0303T-MW4	6/18/2015	42	0	0
0303T-MW5	6/18/2015	19	0	0
METHANE WELL	6/18/2015	Approx 160	0%	20-200
SCALE HOUSE	6/18/2015	NA	0	0
RECYCLING CENTER	6/18/2015	NA	0	0
TIPPING SCALE	6/18/2015	NA	0	0
0303T-MW1	6/18/2015	36	0	0
0303T-MW2	6/18/2015	29	0	0
0303T-MW3	6/18/2015	51	0	0
0303T-MW4	6/18/2015	42	0	0
0303T-MW5	6/18/2015	19	0	0
METHANE WELL	6/18/2015	Approx 160	10-19%	60-1,760
SCALE HOUSE	6/18/2015	NA	0	0
RECYCLING CENTER	6/18/2015	NA	0	0
TIPPING SCALE	6/18/2015	NA	0	0
0303T-MW1	12/17/2015	36	0	0
0303T-MW2	12/17/2015	29	0	0
0303T-MW3	12/17/2015	51	0	0
0303T-MW4	12/17/2015	42	0	0
0303T-MW5	12/17/2015	19	0	0
METHANE WELL	12/17/2015	Approx 160	10-22%	80-2,140
SCALE HOUSE	12/17/2015	NA	0	0
RECYCLING CENTER	12/17/2015	NA	0	0
TIPPING SCALE	12/17/2015	NA	0	0

LEL = Lower explosive limit PPM = Parts per million NA = Not applicable

TABLE 3 (PAGE 1 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW1																	
	DATE SAMPLED		12/20/06	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14 6/18/15 12/16/15
APPENDIX I VOLATILES/ 8260 MSV LOW LEVEL LANDFILL (CONCENTRATIONS IN ug/L)																				
ACETONE	6,000	NE	12.8	3.45 J	BQL	5.58 J	BQL	BQL	BQL	BQL	4.40 J	BQL	ND	13.3 J	ND	ND	ND	ND	ND	ND
BENZENE	1	NE	BQL	1.34 J	5.02	4.91	1.62	BQL	2.17	BQL	0.910 J	1.95	ND	ND	ND	ND	ND	ND	ND	ND
2-BUTANONE	4,000	NE	BQL	BQL	BQL	1.68 J	BQL	BQL	BQL	BQL	BQL	BQL	ND	6.36 J	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	700	NE	BQL	1.38 J	BQL	0.440 J	BQL	BQL	BQL	BQL	3.32 J	BQL	1.19 J	1.31 J	0.630J	ND	ND	ND	ND	ND
CHLOROBENZENE	50	NE	BQL	BQL	BQL	0.130 J	BQL	BQL	BQL	BQL	BQL	0.110J	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	3,000	NE	BQL	1.77 J	BQL	4.73	2.04 J	BQL	2.13 J	BQL	1.07 J	3.44J	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	3	NE	BQL	BQL	BQL	0.310 J	BQL	BQL	0.250 J	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	20	NE	BQL	BQL	BQL	0.490 J	0.180 J	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	6	NE	BQL	BQL	BQL	2.62 J	1.21 J	BQL	0.990 J	BQL	0.440 J	2.14J	0.150 J	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	6	NE	BQL	0.600 J	BQL	2.79 J	1.08 J	BQL	0.630 J	BQL	0.420 J	1.52J	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	7	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	70	NE	BQL	2.46 J	8.77	7.19	3.04 J	BQL	2.92 J	BQL	1.36 J	3.71J	0.290 J	ND	0.440J	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE	0.6	NE	BQL	BQL	BQL	0.150 J	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	600	NE	BQL	BQL	BQL	0.300 J	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	NE	BQL	BQL	BQL	1.85 J	1.47	0.180J	0.450 J	0.290 J	0.750 J	2.78J	0.210 J	0.330 J	ND	ND	ND	ND	ND	ND
4-METHYL-2-PENTANONE	NE	560	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	4.7J	ND
TETRACHLOROETHENE	0.7	NE	BQL	BQL	BQL	0.540 J	0.240 J	BQL	0.150 J	BQL	BQL	0.210J	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	200	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLOUROMETHANE	2,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	600	NE	BQL	BQL	BQL	0.860 J	0.170 J	BQL	BQL	BQL	0.170 J	BQL	ND	ND	0.160J	0.320J	ND	ND	ND	ND
TRICHLOROETHENE	3	NE	BQL	0.370 J	BQL	1.33 J	0.630 J	BQL	0.330 J	BQL	0.160 J	0.550J	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	0.03	NE	BQL	0.410 J	BQL	1.27 J	0.540 J	BQL	0.470 J	BQL	BQL	0.560J	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENE	500	NE	BQL	BQL	BQL	1.58 J	0.160 J	BQL	0.140 J	BQL	BQL	0.140J	ND	ND	ND	ND	ND	ND	ND	ND
ALL OTHER COMPOUNDS	Varies	Varies	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND

Shaded areas represent concentrations exceeding the NCAC 02L Groundwater Standards or Solid Waste Groundwater Protection Standard.

BQL = Below Quantitation Limits
NE = not established
NA = Not Analyzed
ND = None Detected

ug/L = parts per billion
GWP = Groundwater Protection Standard
J = Estimated Concentration

TABLE 3 (PAGE 2 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW2																		
	DATE SAMPLED		12/20/06	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/17/15
APPENDIX I VOLATILES/ 8260 MSV LOW LEVEL LANDFILL (CONCENTRATIONS IN ug/L)																					
ACETONE	6,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	1.12 J	ND	ND	ND	ND	ND	ND	ND	ND
BENZENE	1	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	0.260J	0.310J	0.41 J	ND	ND	0.74 J	0.50 J	ND
2-BUTANONE	4,000	NE	BQL	BQL	1.70 J	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	700	NE	BQL	3.96 J	1.42 J	BQL	BQL	BQL	BQL	9.77 J	BQL	3.15 J	2.02 J	ND	ND	ND	ND	ND	4.2	ND	2.5
CHLOROBENZENE	50	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	3,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	0.610 J	1.01J	1.04J	1.4	1.7	ND	1.9	1.6	ND
CHLOROFORM	70	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.14 J	ND	ND	ND	ND	ND
CHLOROMETHANE	3	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	20	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	6	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.130 J	ND	ND	ND	0.44 J	0.53J	ND	0.42 J	0.45 J	0.51 J
1,1-DICHLOROETHANE	6	NE	0.640	1.32 J	1.44 J	2.51 J	2.32J	2.10 J	2.43 J	2.98 J	2.99J	3.28 J	4.14 J	5.61	5.60	6.2	5.7	5.6	6.9	6.4	5.5
1,1-DICHLOROETHENE	7	NE	BQL	BQL	0.290 J	0.340 J	0.240J	0.340 J	0.390 J	0.520 J	0.510J	0.650 J	0.630 J	0.980J	0.960J	0.86 J	0.76J	1.0	0.67 J	0.58 J	0.56 J
CIS-1,2-DICHLOROETHENE	70	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	0.180 J	0.330J	0.510J	0.50 J	0.60J	0.55J	1.2	1.1	1.3
1,2-DICHLOROPROPANE	0.6	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	600	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	NE	0.660	1.22 J	1.64 J	2.38	2.68	1.93	2.38	3.87	5.64J	5.34	4.68	11.8	13.6	13.4	13.2	17.1	10.2	3.4	5.0
TETRACHLOROETHENE	0.7	NE	BQL	BQL	BQL	0.160 J	BQL	0.170 J	0.170 J	0.150 J	0.220J	0.250 J	0.290 J	ND	0.460J	ND	0.48J	0.46J	0.51 J	ND	ND
1,1,1-TRICHLOROETHANE	200	NE	0.950	1.38 J	1.27	1.69	1.29J	1.26	1.38	BQL	1.34J	1.64	1.39	1.94	1.53	1.3	0.99J	ND	0.98 J	ND	ND
TRICHLOROFLOUROMETHANE	2,000	NE	2.60	2.99 J	2.36 J	3.88	2.84	2.74	3.22	3.65	3.64	3.75	3.74	5.04	4.35	3.8	3.7	5.5	2.7	1.9	1.7
TOLUENE	600	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	3	NE	BQL	BQL	0.220 J	0.250 J	0.220J	0.230 J	0.300 J	1.51	0.380J	0.420 J	0.510 J	0.640J	0.710J	0.80 J	0.81J	0.97J	1.1	0.63 J	0.59 J
VINYL CHLORIDE	0.03	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL XYLENE	500	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ALL OTHER COMPOUNDS	Varies	Varies	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Shaded areas represent concentrations exceeding the NCAC 02L Groundwater Standards or Solid Waste Groundwater Protection Standard.
BQL = Below Quantitation Limits
ug/L = parts per billion
NE = not established
GWP = Groundwater Protection Standard
NA = Not Analyzed
J = Estimated Concentration
ND = None Detected

TABLE 3 (PAGE 3 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW3																				
	DATE SAMPLED		12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/17/15
APPENDIX I VOLATILES/ 8260 MSV LOW LEVEL LANDFILL (CONCENTRATIONS IN ug/L)																							
ACETONE	6,000	NE	BQL	NA	4.19 J	NA	5.93 J	BQL	5.36J	BQL	BQL	BQL	3.14J	ND	1.13 J	ND	ND	ND	ND	ND	ND	ND	ND
BENZENE	1	NE	0.370	NA	0.330 J	NA	0.360 J	0.440 J	0.300J	0.250 J	0.340 J	1.24	0.670J	1.44	0.670 J	0.690J	ND	0.64 J	0.43J	ND	0.84 J	0.58 J	ND
2-BUTANONE	4,000	NE	BQL	BQL	BQL	NA	2.65 J	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	700	NE	BQL	NA	15.9 J	NA	0.850 J	BQL	BQL	BQL	0.730 J	21.9 J	BQL	1.85 J	4.54 J	6.06J	ND	ND	ND	ND	3.0	ND	1.7 J
CHLOROBENZENE	50	NE	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROETHANE	3,000	NE	1.76	NA	1.36 J	NA	0.850 J	1.56 J	1.15J	0.790 J	0.990 J	2.72 J	1.52J	2.75 J	1.66 J	1.52J	ND	1.4	1.1	ND	1.6	1.3	ND
CHLOROMETHANE	3	NE	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	20	NE	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	6	NE	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	6	NE	0.750	NA	0.640 J	NA	0.660 J	0.750 J	0.490J	0.340 J	0.450 J	1.41 J	0.610J	1.26 J	0.480 J	0.440J	ND	0.37 J	ND	ND	0.42 J	ND	ND
1,1-DICHLOROETHENE	7	NE	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	70	NE	2.86	NA	2.29 J	NA	2.77 J	3.39 J	2.29J	1.89 J	2.68 J	12.1	6.56	14.2	7.17	6.14	8.24	6.1	4.6	5.3	8.0	8.4	6.0
1,2-DICHLOROPROPANE	0.6	NE	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	600	NE	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	NE	0.240	NA	BQL	NA	0.320 J	0.610 J	0.610J	0.770 J	0.870 J	1.12	0.700J	1.07	0.760 J	0.380J	0.770J	ND	ND	ND	1.1	ND	1.8
TETRACHLOROETHENE	0.7	NE	0.530	NA	0.500 J	NA	0.460 J	0.490 J	0.330J	0.250 J	0.200 J	0.370 J	0.210J	0.420 J	0.220 J	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	200	NE	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLOUROMETHANE	2,000	NE	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	600	NE	0.200	NA	BQL	NA	BQL	0.200 J	0.790J	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	3	NE	0.490	NA	0.430 J	NA	0.420 J	0.560 J	0.410J	0.290 J	0.310 J	0.820 J	0.500J	0.800 J	0.530 J	0.550J	ND	ND	ND	ND	0.47 J	ND	ND
VINYL CHLORIDE	0.03	NE	0.500	BQL	0.370 J	BQL	0.430 J	BQL	0.960J	0.320 J	0.360 J	0.810 J	0.490J	0.850 J	0.610 J	0.470J	1.56	ND	ND	ND	0.75 J	0.70 J	ND
TOTAL XYLENE	500	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.170 J	BQL	0.180 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
ALL OTHER COMPOUNDS	Varies	Varies	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Shaded areas represent concentrations exceeding the NCAC 02L Groundwater Standards or Solid Waste Groundwater Protection Standard.
BQL = Below Quantitation Limits
ug/L = parts per billion
NE = not established
GWP = Groundwater Protection Standard
NA = Not Analyzed
J = Estimated Concentration
U = Undetected
ND = None Detected

TABLE 3 (PAGE 4 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW4											0303T-MW5										
DATE SAMPLED			12/20/06 7/2/08 12/18/08 6/2/09	6/14/07	12/22/07	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12 6/19/13 12/19/13 6/12/14 12/18/14 6/18/15	12/17/15	7/2/08 6/2/09	12/18/08	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12 6/19/13 12/19/13 6/12/14 6/18/15	12/18/14	12/16/15
APPENDIX I VOLATILES/ 8260 MSV LOW LEVEL LANDFILL (CONCENTRATIONS IN ug/L)																								
ACETONE	6,000	NE	BQL	BQL	1.51J	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
BENZENE	1	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
2-BUTANONE	4,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	700	NE	BQL	6.03J	0.070J	0.340J	14.2J	BQL	1.36J	4.64J	2.33J	ND	ND	BQL	BQL	BQL	2.54J	BQL	0.950J	0.550J	0.860J	ND	2.4	ND
CHLOROBENZENE	50	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CHLOROETHANE	3,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CHLOROFORM	70	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	3	NE	BQL	BQL	BQL	0.210J	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	20	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	6	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	6	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	7	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	70	NE	BQL	BQL	BQL	BQL	BQL	0.130J	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE	0.6	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	600	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
2-HEXANONE	NE	40	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	55.4	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	14.6
METHYLENE CHLORIDE	5	NE	BQL	BQL	BQL	BQL	BQL	0.430J	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	1.44	ND	0.310J	ND	ND	ND	ND
TETRACHLOROETHENE	0.7	NE	BQL	BQL	BQL	0.270J	BQL	BQL	ND	ND	ND	ND	ND	BQL	0.160	0.260J	BQL	BQL	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	200	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TRICHLOROFLOUROMETHANE	2,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TOLUENE	600	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	3	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	0.03	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TOTAL XYLENE	500	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
ALL OTHER COMPOUNDS	Varies	Varies	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND

Shaded areas represent concentrations exceeding the NCAC 02L Groundwater Standards or Solid Waste Groundwater Protection Standard.

BQL = Below Quantitation Limits
NE = not established
NA = Not Analyzed
U = Undetected

ug/L = parts per billion
GWP = Groundwater Protection Standard
J = Estimated Concentration
ND = None Detected

TABLE 3 (PAGE 5 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-ST1													0303T-ST2											
DATE SAMPLED			12/20/06 7/2/08	6/14/07	12/22/07	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	6/13/11 6/21/12 12/14/12 6/19/13 12/19/13 6/12/14	12/15/11	12/18/14	6/18/15	12/16/15	12/20/06 7/2/08 12/18/08 6/2/09	6/14/07	12/22/07	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12 6/19/13 12/19/13 6/12/14 12/18/14	6/18/15	12/16/15
APPENDIX I VOLATILES/ 8260 MSV LOW LEVEL LANDFILL (CONCENTRATIONS IN ug/L)																											
ACETONE	6,000	NE	BQL	BQL	1.43J	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	3.05J	BQL	BQL	BQL	1.26J	ND	ND	ND	ND	ND
BENZENE	1	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
2-BUTANONE	4,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	700	NE	BQL	0.810J	0.420J	BQL	BQL	0.350J	5.79J	BQL	ND	1.83J	5.1	1.2 J	ND	BQL	7.71	0.150J	BQL	2.51J	BQL	0.610J	0.760J	5.00J	ND	1.2 J	ND
CHLOROBENZENE	50	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CHLOROETHANE	3,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CHLOROFORM	70	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	3	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	20	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	6	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	6	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	7	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	70	NE	BQL	BQL	BQL	0.110J	BQL	0.100J	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE	0.6	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	600	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	NE	BQL	BQL	BQL	BQL	0.410J	BQL	BQL	1.01	ND	ND	ND	ND	1.3	BQL	BQL	BQL	0.230 J	BQL	0.220J	ND	0.160J	ND	ND	ND	1.8
TETRACHLOROETHENE	0.7	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	200	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TRICHLOROFLOUROMETHANE	2,000	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TOLUENE	600	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	3	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	0.03	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
TOTAL XYLENE	500	NE	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND
ALL OTHER COMPOUNDS	Varie	Varie	BQL/NA	NA	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND

Shaded areas represent concentrations exceeding the NCAC 02L Groundwater Standards or Solid Waste Groundwater Protection Standard.

BQL = Below Quantitation Limits
ug/L = parts per billion
NE = not established
GWP = Groundwater Protection Standard
NA = Not Analyzed
J = Estimated Concentration
U = Undetected
ND = None Detected

TABLE 3 (PAGE 6 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW1																				
	DATE SAMPLED		12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/16/15
APPENDIX I METALS (CONCENTRATIONS IN mg/L)																							
ARSENIC	0.010	NE	BQL	BQL	BQL	BQL	BQL	0.00886JB	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.0031 J	ND	ND	ND	ND	ND
BARIUM	0.7	NE	0.0463	NA	0.0459	NA	0.0270JB	0.0786JB	0.0205J	0.0251JB	0.0332JB	0.0301J	0.0107JB	0.0407J	0.0487J	0.0519J	0.0692J	0.0521	0.0328	0.0451	0.0254	0.0357	0.0273
BERYLLIUM	NE	0.004	BQL	NA	0.00674	BQL	BQL	0.00594B	0.00143B	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	0.002	NE	0.00041	NA	0.00476	BQL	0.00018J	0.000370J	BQL	0.000360J	BQL	BQL	BQL	0.00435J	0.00008J	0.000520J	0.000360J	ND	ND	0.00075J	ND	ND	ND
CHROMIUM	0.010	NE	0.00707	NA	0.00476	NA	0.00364JB	0.00870JB	0.00226JB	0.00298JB	0.00496JB	0.00351J	0.00228J	0.00495J	0.00504J	0.00272J	0.00389J	ND	0.00051J	0.0013J	ND	ND	ND
COBALT	NE	0.001	0.00482	BQL	0.00356	BQL	BQL	0.00626J	BQL	0.00525JB	BQL	BQL	BQL	ND	ND	ND	ND	0.0089	ND	0.0061	ND	ND	ND
COPPER	1.0	NE	0.0118	NA	0.00404	NA	0.00443JB	0.00803J	0.00633JB	0.00725JB	0.00742JB	0.00705J	0.00501JB	0.00779J	0.00707J	0.00692J	0.00757J	0.0022 J B	0.0033J	0.0036J	0.0032 J	ND	0.0028 J
LEAD	0.015	NE	BQL	NA	BQL	NA	0.0051JB	0.00812JB	BQL	0.00904J	BQL	BQL	BQL	0.00678J	0.00646J	ND	0.00691J	ND	ND	ND	ND	ND	ND
MERCURY	0.001	NE	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	0.000078J	ND	ND	ND
NICKEL	0.10	NE	0.00589	NA	BQL	NA	BQL	BQL	BQL	0.00448J	BQL	0.00269J	0.00250J	0.00312J	0.00556J	ND	0.00446J	0.0031 J	ND	0.0039J	ND	00038 J	ND
SELENIUM	0.020	NE	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.00404J	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	0.020	NE	0.00546	NA	BQL	NA	BQL	0.00422JB	0.00106JB	0.00559JB	0.00290JB	0.00230JB	BQL	0.00483J	0.00170J	ND	0.00333J	ND	ND	ND	ND	ND	ND
THALLIUM	NE	0.00028	BQL	NA	BQL	NA	BQL	0.0102	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	NE	0.0003	0.00803	NA	BQL	NA	BQL	BQL	0.0113J	0.00656JB	0.00375	0.0137JB	0.000900JB	ND	0.00730	0.00140J	ND	0.0013 J B	0.0017J	0.0021J	ND	0.0027 J	ND
ZINC	1.0	NE	0.0130	NA	0.0221	NA	0.00399	0.0155B	0.00697J	0.00682J	0.0106 B	0.00914J	0.00596J	0.0115J	0.00768J	0.0102J	0.00621J	0.0105 B	0.0064J	0.0076J	0.0048 J	0.0070 J	0.0053 J

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW2																			
	DATE SAMPLED		12/20/06	2/27/07	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	6/13/11	12/15/11	6/21/12	12/14/12	6/13/13	12/19/13	6/12/14	12/18/14	6/18/15	12/17/15
APPENDIX I METALS (CONCENTRATIONS IN mg/L)																						
ARSENIC	0.010	NE	BQL	BQL	BQL	BQL	0.00438JB	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.0045 J	ND	ND	ND	ND	ND
BARIUM	0.7	NE	0.0428	NA	0.0235	0.0274JB	0.0342JB	0.0201J	0.0220JB	0.0342JB	0.0122J	0.0119JB	0.0419J	0.0135 J	0.0278J	0.039J	0.019	0.0193	0.0199	0.0203	0.0242	0.0238
BERYLLIUM	NE	0.004	BQL	NA	BQL	BQL	0.00635B	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	0.000057 J	ND	ND
CADMIUM	0.002	NE	0.000530	NA	BQL	0.00014J	BQL	BQL	BQL	0.00432	BQL	BQL	0.00579	0.000100J	0.0000400J	0.000320J	ND	ND	ND	ND	ND	ND
CHROMIUM	0.010	NE	0.00570	NA	0.00392	0.00363JB	0.00589JB	0.00172JB	0.00243JB	0.00619JB	BQL	0.00204J	0.00488J	ND	ND	0.00389J	ND	ND	0.00072J	ND	ND	ND
COBALT	NE	0.001	0.00235	BQL	BQL	BQL	BQL	BQL	0.00403JB	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	1.0	NE	0.00908	NA	0.00371	0.00244JB	0.00448J	0.00343JB	0.00625JB	0.00779JB	BQL	0.00146JB	0.00553J	0.00150J	0.00282J	0.00373J	ND	ND	ND	ND	ND	ND
LEAD	0.015	NE	0.00310	NA	BQL	0.00597JB	0.00912JB	BQL	BQL	BQL	BQL	BQL	0.00885J	ND	ND	0.0101	ND	ND	ND	ND	ND	ND
NICKEL	0.10	NE	0.00459	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	0.00450J	ND	ND	ND	ND	ND	ND
SELENIUM	0.020	NE	0.0107	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.00490J	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	0.020	NE	0.00595	NA	BQL	BQL	0.00325JB	0.00122JB	0.00527JB	0.00286JB	0.00237JB	0.00100J	0.0101J	0.00212J	ND	0.00395J	ND	0.00023J	ND	ND	ND	ND
THALLIUM	NE	0.00028	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	NE	0.0003	0.00485	NA	BQL	BQL	BQL	0.00213J	0.00452JB	0.00493	0.00417JB	0.00134JB	ND	0.00670J	ND	ND	ND	0.00032J	ND	ND	ND	ND
ZINC	1.0	NE	0.00859	NA	0.00831	0.00413 J	0.00605JB	BQL	BQL	0.0370B	0.00242J	0.00235J	0.0120J	0.00348J	0.00272J	0.00799J	0.0079 J B	0.0050J	0.0026J	0.0083 J	0.0080 J	0.0099 J

Shaded areas represent non compliant concentrations.
NE = Not Established, NA = Not Analyzed
B = Compound Also Detected In Batch Blank, Amount in Prep Blank > MDL

BQL = Below Quantitation Limits, ppm = parts per million
J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit
ND = None Detected

TABLE 3 (PAGE 7 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW3																				
DATE SAMPLED			12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	06/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/17/15
APPENDIX I METALS (CONCENTRATIONS IN mg/L)																							
ARSENIC	0.010	NE	BQL	BQL	BQL	BQL	BQL	0.00559JB	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.0079 J	ND	0.0044J	ND	ND	ND
BARIUM	0.7	NE	0.192	NA	0.259	NA	0.295B	0.307B	0.309	0.341B	0.326B	0.351	0.280B	0.326	0.303	0.256	0.277	0.282	0.354	0.409	0.442	0.522	0.597
BERYLLIUM	NE	0.004	0.00040	NA	0.00157	NA	BQL	0.00290B	BQL	0.00107	0.000590J	0.000480J	0.000830J	ND	0.000720J	0.000420J	0.0006J	0.0010	0.00086J	0.00093J	0.0011	0.0012	0.0015
CADMIUM	0.002	NE	BQL	NA	BQL	NA	0.00022J	BQL	BQL	BQL	BQL	BQL	BQL	0.00641	0.000320J	ND	0.0001J	ND	ND	ND	ND	ND	ND
CHROMIUM	0.010	NE	0.00560	NA	0.00381	NA	0.00353JB	0.00607JB	0.00240JB	0.00314JB	0.00507JB	BQL	0.00192J	0.00436J	ND	0.00158J	0.00467J	ND	0.00063J	0.0015J	ND	ND	ND
COBALT	NE	0.001	0.00484	BQL	0.00483	BQL	BQL	0.00551J	BQL	0.0107B	0.0103	0.00587J	0.00785J	0.00886J	0.00490J	0.00484J	0.00675J	0.0105	0.0074	0.0105	0.0089	0.0108	0.0122
COPPER	1.0	NE	0.00905	NA	0.00359	NA	0.00239JB	0.00509J	0.00352JB	0.00689JB	0.00605JB	BQL	BQL	0.00521J	0.00170J	0.00278J	0.00437J	ND	0.00035J	ND	ND	ND	ND
LEAD	0.015	NE	0.00372	NA	BQL	NA	0.00546JB	BQL	0.00542J	0.00848J	BQL	BQL	BQL	0.00600J	ND	ND	0.00797J	ND	ND	ND	ND	ND	ND
NICKEL	0.10	NE	0.00784	NA	BQL	NA	BQL	BQL	BQL	0.00448J	BQL	BQL	0.00313J	ND	ND	ND	0.00445J	ND	ND	0.0021J	ND	0.0030 J	ND
SELENIUM	0.020	NE	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	0.00509J	BQL	BQL	0.00620J	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	0.020	NE	0.00605	NA	BQL	NA	BQL	0.00324JB	BQL	0.00471JB	0.00217JB	0.00198JB	BQL	0.00846J	ND	ND	0.00211J	ND	0.00018J	ND	ND	ND	ND
THALLIUM	NE	0.00028	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	NE	0.0003	0.00511	NA	BQL	NA	BQL	BQL	0.0144J	0.00862JB	0.00352	0.00313JB	0.00194	ND	0.00600J	ND	ND	ND	0.0012J	0.0015J	ND	ND	ND
ZINC	1.0	NE	0.0137	NA	0.0185	NA	0.0190	0.0160B	0.0139	0.0204	0.0180 B	0.0168	0.0153JB	0.0179J	0.0237	0.0163J	0.0183J	0.0198 B	0.0181	0.0156	0.0598	0.0200	0.0216

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW4																		
DATE SAMPLED			12/20/06	2/27/07	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	06/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/17/15
APPENDIX I METALS (CONCENTRATIONS IN mg/L)																						
ARSENIC	0.010	NE	BQL	BQL	BQL	BQL	0.00350JB	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.0031 J	ND	ND	ND	ND	ND
BARIUM	0.7	NE	0.117	NA	0.102	0.108B	0.126B	0.115	0.108B	0.123B	0.104	0.123B	0.139	0.126	0.147	0.176	0.114	0.115	0.140	0.156	0.150	0.140
BERYLLIUM	NE	0.004	BQL	NA	0.00191	BQL	0.00483B	BQL	BQL	BQL	BQL	BQL	ND	0.000014J	ND	ND	0.00025 J	ND	ND	0.00014 J	0.00015J	ND
CADMIUM	0.002	NE	BQL	NA	BQL	0.00020J	BQL	0.000140J	BQL	BQL	BQL	0.000160J	0.00641	0.000160J	0.000340J	0.00022J	ND	ND	ND	ND	ND	ND
CHROMIUM	0.010	NE	0.00522	NA	0.00329	0.00294JB	0.00589JB	0.00213JB	0.00227JB	0.00473JB	BQL	0.00181J	0.00501J	0.00167J	ND	0.0041J	ND	ND	0.00080J	ND	ND	ND
COBALT	NE	0.001	0.00300	BQL	BQL	BQL	BQL	BQL	0.00396JB	0.00185J	BQL	0.00185J	ND	ND	ND	ND	0.0017 J	0.00064J	0.00077J	ND	ND	ND
COPPER	1.0	NE	0.00891	NA	0.00270	0.00249JB	0.00480J	0.00357JB	0.00664JB	0.00590JB	BQL	0.00193JB	0.00417J	0.00126J	0.00345J	0.00485J	ND	0.00039J	ND	ND	ND	ND
LEAD	0.015	NE	0.00124	NA	BQL	0.00770JB	BQL	BQL	0.00702J	BQL	BQL	BQL	ND	ND	ND	0.0073J	ND	ND	ND	ND	ND	ND
NICKEL	0.10	NE	0.00422	NA	BQL	BQL	BQL	BQL	0.00276J	BQL	BQL	0.00271J	ND	ND	ND	0.0043J	ND	ND	ND	ND	ND	ND
SELENIUM	0.020	NE	0.00917	NA	BQL	BQL	BQL	BQL	BQL	0.00439J	BQL	BQL	0.00602J	ND	ND	ND	ND	ND	0.0038J	ND	ND	ND
SILVER	0.020	NE	0.00611	NA	BQL	BQL	0.00317JB	0.00126JB	0.00508JB	0.00309JB	0.00224JB	0.000970J	0.00974J	0.00227J	ND	0.00361	ND	0.00021J	ND	ND	ND	ND
THALLIUM	NE	0.00028	BQL	NA	BQL	BQL	0.00627	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	NE	0.0003	0.00455	NA	BQL	BQL	BQL	0.0132J	0.00704JB	0.00264	0.00395JB	0.00313JB	ND	0.00460J	ND	ND	0.00037 J B	ND	ND	ND	ND	ND
ZINC	1.0	NE	0.00706	NA	0.00720	BQL	0.00601JB	BQL	BQL	0.00628JB	0.00148J	0.00439J	0.00610J	0.00242J	0.00331J	0.00686J	0.0082 J B	0.0046J	0.0013J	0.0062 J	ND	0.0066 J

Shaded areas represent non compliant concentrations.
BQL = Below Quantitation Limits, ppm = parts per million
NE = Not Established, NA = Not Analyzed
J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit
B = Compound Also Detected In Batch Blank, Amount in Prep Blank > MDL
ND = None Detected

TABLE 3 (PAGE 8 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-MW5															
		DATE SAMPLED	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	06/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/16/15
APPENDIX I METALS (CONCENTRATIONS IN mg/L)																		
ARSENIC	0.010	NE	0.00761JB	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	0.0031J	ND	ND	ND
BARIUM	0.7	NE	0.195B	0.0267 J	0.238 JB	0.0346 JB	0.0118	0.0394J	0.0401J	0.0137 J	0.0260J	0.037J	0.0185	0.0173	0.0182	0.0167	0.0162	0.0188
BERYLLIUM	NE	0.004	0.00786B	0.00772 B	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.00029 J	ND	ND	0.000063 J	0.000080J	ND
CADMIUM	0.002	NE	0.00041J	BQL	BQL	BQL	BQL	0.00323	0.00579	0.000010J	ND	0.00008J	ND	ND	ND	ND	ND	ND
CHROMIUM	0.010	NE	0.0168B	0.00158 JB	0.00251 JB	0.00496 JB	BQL	0.00275J	0.00462J	ND	ND	0.00433J	ND	0.00099J	0.00072J	ND	ND	ND
COBALT	NE	0.001	0.0186	0.00947 J	0.00541 JB	0.00281 J	BQL	0.00530J	ND	ND	ND	ND	0.0012 J	0.00098J	0.00075J	ND	ND	ND
COPPER	1.0	NE	0.0139	0.00310 JB	0.00683 JB	0.00608 JB	BQL	0.00523JB	0.00484J	0.00186 J	0.00295J	0.00303J	0.00041 J B	ND	ND	ND	ND	ND
LEAD	0.015	NE	0.0156B	BQL	0.00805 J	BQL	BQL	BQL	0.00804J	ND	ND	0.00579J	ND	ND	ND	ND	ND	ND
NICKEL	0.10	NE	0.0274J	0.00560 J	0.00267 J	BQL	BQL	0.00690J	ND	ND	ND	0.00545J	ND	ND	ND	ND	ND	ND
SELENIUM	0.020	NE	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	0.020	NE	0.00265JB	0.00156 JB	0.00553 JB	0.00292 JB	0.00230JB	0.000850J	0.00172J	0.00187J	ND	0.00295J	ND	0.00013J	ND	ND	ND	ND
THALLIUM	NE	0.00028	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	NE	0.0003	0.0189J	0.0113 J	0.00945 JB	0.00363	0.00432JB	0.00412JB	ND	0.00690	ND	ND	0.00088 J B	ND	ND	ND	ND	ND
ZINC	1.0	NE	0.0703B	BQL	BQL	0.00864 JB	0.00299J	0.0231	0.00952J	0.00407J	0.00440J	0.00721J	0.0083 J B	0.0051J	0.0035J	0.0087 J	0.0085 J	0.0026 J

Shaded areas represent non compliant concentrations.
BQL = Below Quantitation Limits
ppm = parts per million
NE = Not Established
NA = Not Analyzed
J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit
B = Compound Also Detected In Batch Blank
ND = None Detected

TABLE 3 (PAGE 9 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-ST1																				
	DATE SAMPLED		12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	06/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/16/15
APPENDIX I METALS (CONCENTRATIONS IN mg/L)																							
ARSENIC	0.010	NE	BQL	BQL	BQL	BQL	BQL	0.00559JB	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	0.7	NE	0.0570	NA	0.0339	NA	0.0434JB	0.0336JB	0.0232 J	0.0328 JB	0.0403 JB	0.0388J	0.0151JB	0.0485J	0.0240 J	0.0372J	0.0533J	0.0377	0.0388	0.0440	0.0349	0.0367	0.0412
BERYLLIUM	NE	0.002	BQL	NA	0.00627	BQL	BQL	0.00676B	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.00021 J	ND	ND	ND	ND	ND
CADMIUM	0.002	NE	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.00590	0.0000060J	ND	0.00006J	ND	ND	ND	ND	ND	ND
CHROMIUM	0.010	NE	0.00619	NA	0.00424	NA	0.00264 JB	0.00514JB	0.00254 JB	0.00330 JB	0.00552 JB	0.00336J	0.00193J	0.00384J	0.00191 J	ND	0.00422J	0.00060 J	0.00066J	0.0012J	ND	ND	ND
COBALT	NE	0.002	0.00510	BQL	0.00323	BQL	BQL	0.00315	BQL	0.00573 JB	0.00192 J	BQL	BQL	ND	ND	ND	0.00342J	0.0020 J	ND	ND	ND	ND	ND
COPPER	1.0	NE	0.00939	NA	0.00549	NA	BQL	0.00537J	0.00368 JB	0.00649 JB	0.00573 JB	0.00164J	0.00259JB	0.00525J	0.00206J	0.00331J	0.00458J	0.00066 J B	0.00047J	0.00059J	ND	ND	ND
LEAD	0.015	NE	0.00197	NA	BQL	NA	0.00689 JB	0.00558JB	0.00505 J	0.00903 J	BQL	BQL	BQL	0.00702J	ND	0.00546J	0.00559J	ND	ND	ND	ND	ND	ND
NICKEL	0.10	NE	0.00649	NA	BQL	NA	BQL	0.00558J	BQL	BQL	BQL	BQL	0.00238J	0.00338J	0.00314 J	ND	0.00325J	ND	ND	ND	ND	ND	ND
SELENIUM	0.020	NE	0.0127	NA	BQL	NA	BQL	BQL	BQL	BQL	0.00368 J	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	0.020	NE	0.00573	NA	BQL	NA	BQL	0.00333JB	0.00134 JB	0.00534 JB	0.00309 JB	0.00262JB	BQL	0.00223J	0.00161 J	ND	0.00395J	ND	0.00016J	ND	ND	ND	ND
THALLIUM	NE	2.0	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	NE	0.0003	0.00650	NA	0.00523	NA	BQL	BQL	0.00823 J	0.00776	0.00649	0.00917JB	0.00271JB	ND	0.00540	ND	ND	0.0025 J B	0.00074J	0.00070J	ND	ND	ND
ZINC	1.0	NE	0.0141	NA	0.0248	NA	BQL	0.00740JB	0.00403 J	BQL	0.0132 B	0.0226	BQL	0.00958J	0.00910 J	0.00890J	0.00691J	0.0094 J B	0.0095J	0.0016J	0.0061 J	0.0031 J	ND

ANALYTE	NCAC 02L STD.	GWP STD.	0303T-ST2																			
	DATE SAMPLED		12/20/06	2/27/07	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	6/9/10	12/22/10	06/13/11	12/15/11	6/21/12	12/14/12	6/19/13	12/19/13	6/12/14	12/18/14	6/18/15	12/16/15
APPENDIX I METALS (CONCENTRATIONS IN mg/L)																						
ARSENIC	0.010	NE	BQL	BQL	BQL	BQL	0.00503JB	BQL	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	0.7	NE	0.0378	NA	0.0222	0.0230 JB	0.0346JB	0.0176 J	0.0248 JB	0.0301 JB	0.0116J	0.00975JB	0.0387J	0.0101 J	0.0263J	0.0301J	0.018	0.0153	0.0171	0.0122	0.0175	0.0168
BERYLLIUM	NE	0.002	BQL	NA	0.00627	BQL	0.00442B	0.00294 B	BQL	BQL	BQL	BQL	ND	ND	ND	ND	0.00026 J	ND	0.00023J	ND	ND	ND
CADMIUM	0.002	NE	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.00629	0.0000060J	ND	0.00008J	ND	ND	ND	ND	ND	ND
CHROMIUM	0.010	NE	0.00353	NA	0.00403	0.00304 JB	0.00692JB	0.00186 JB	0.00314 JB	0.00485 JB	BQL	0.00251J	0.00501J	0.00203 J	0.00204J	0.00287J	ND	ND	0.0012J	ND	ND	ND
COBALT	NE	0.002	0.00353	BQL	BQL	BQL	0.00362J	BQL	0.00480 JB	0.00216 J	BQL	BQL	ND	ND	ND	ND	0.0022 J	0.00073J	0.0012J	ND	ND	ND
COPPER	1.0	NE	0.00908	NA	0.00380	0.00242 JB	0.00598J	0.00311 JB	0.00742 JB	0.00580 JB	BQL	0.00149JB	0.00564J	0.00153 J	0.00430J	0.00467J	0.00050 J B	0.0064	0.0010J	ND	ND	ND
LEAD	0.015	NE	0.00172	NA	BQL	0.00567	0.00988JB	0.00697 J	0.0105	BQL	BQL	BQL	0.00876J	ND	0.00554J	ND	ND	ND	ND	ND	ND	ND
NICKEL	0.10	NE	0.00592	NA	BQL	BQL	BQL	BQL	0.00491 J	BQL	BQL	0.00304J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	0.020	NE	BQL	NA	BQL	BQL	BQL	BQL	BQL	0.00502 J	0.00348J	BQL	ND	ND	ND	ND	ND	0.0042J	0.0062J	ND	ND	ND
SILVER	0.020	NE	0.00585	NA	BQL	BQL	0.00322JB	0.00114 JB	0.00561 JB	0.00279 JB	0.00290JB	0.000740J	0.00189J	0.00173 J	ND	0.00323J	ND	ND	ND	ND	ND	ND
THALLIUM	NE	2.0	BQL	NA	BQL	BQL	BQL	0.00611	BQL	BQL	BQL	BQL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	NE	0.0003	0.00307	NA	BQL	BQL	BQL	0.0127 J	0.00834 JB	0.00606	0.00657JB	0.000660J B	ND	0.00680	0.00100J	ND	0.0018 J B	0.00068J	0.00089J	ND	ND	ND
ZINC	1.0	NE	0.0101	NA	0.0117	BQL	0.00632JB	BQL	0.00154 J	0.00458 JB	0.00469J	BQL	0.00609J	0.00231 J	0.00469J	0.0063J	0.0081 J B	0.0113	0.0024J	0.0045 J	0.0035 J	ND

Shaded areas represent non compliant concentrations.
BQL = Below Quantitation Limits
ppm = parts per million
NE = Not Established
NA = Not Analyzed
J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit
B = Compound Also Detected In Batch Blank
ND = None Detected

TABLE 3 (PAGE 10 OF 10)
HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	WATER SUPPLY WELL #5
		DATE SAMPLED	12/14/12
APPENDIX I VOLATILES (CONCENTRATIONS IN ug/L)			
ACETONE	6,000	NE	ND
BENZENE	1	NE	ND
2-BUTANONE	4,000	NE	ND
CARBON DISULFIDE	700	NE	ND
CHLOROBENZENE	50	NE	ND
CHLOROETHANE	3,000	NE	ND
CHLOROFORM	70	NE	ND
CHLOROMETHANE	3	NE	ND
1,2-DICHLOROBENZENE	20	NE	ND
1,4-DICHLOROBENZENE	6	NE	ND
1,1-DICHLOROETHANE	6	NE	ND
1,1-DICHLOROETHENE	7	NE	ND
CIS-1,2-DICHLOROETHENE	70	NE	ND
1,2-DICHLOROPROPANE	0.6	NE	ND
ETHYLBENZENE	600	NE	ND
METHYLENE CHLORIDE	5	NE	ND
TETRACHLOROETHENE	0.7	NE	ND
1,1,1-TRICHLOROETHANE	200	NE	ND
TRICHLOROFLOUROMETHANE	2,000	NE	ND
TOLUENE	600	NE	ND
TRICHLOROETHENE	3	NE	ND
VINYL CHLORIDE	0.03	NE	ND
TOTAL XYLENE	500	NE	ND
ALL OTHER COMPOUNDS	Varies	Varies	ND
APPENDIX I METALS (CONCENTRATIONS IN mg/L)			
ARSENIC	0.010	NE	ND
BARIUM	0.7	NE	0.0373J
BERYLLIUM	NE	0.002	ND
CADMIUM	0.002	NE	0.00006J
CHROMIUM	0.010	NE	0.00422J
COBALT	NE	0.002	ND
COPPER	1.0	NE	0.0444
LEAD	0.015	NE	0.00914J
NICKEL	0.10	NE	0.00414J
SELENIUM	0.020	NE	ND
SILVER	0.020	NE	0.00368J
THALLIUM	NE	2.0	ND
VANADIUM	NE	0.0003	ND
ZINC	1.0	NE	0.0227J

Shaded areas represent non compliant concentrations.
ND = None Detected
NE = Not Established, NA = Not Analyzed
J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit
Water Supply Well #5 not sampled during this monitoring event.

FIGURES

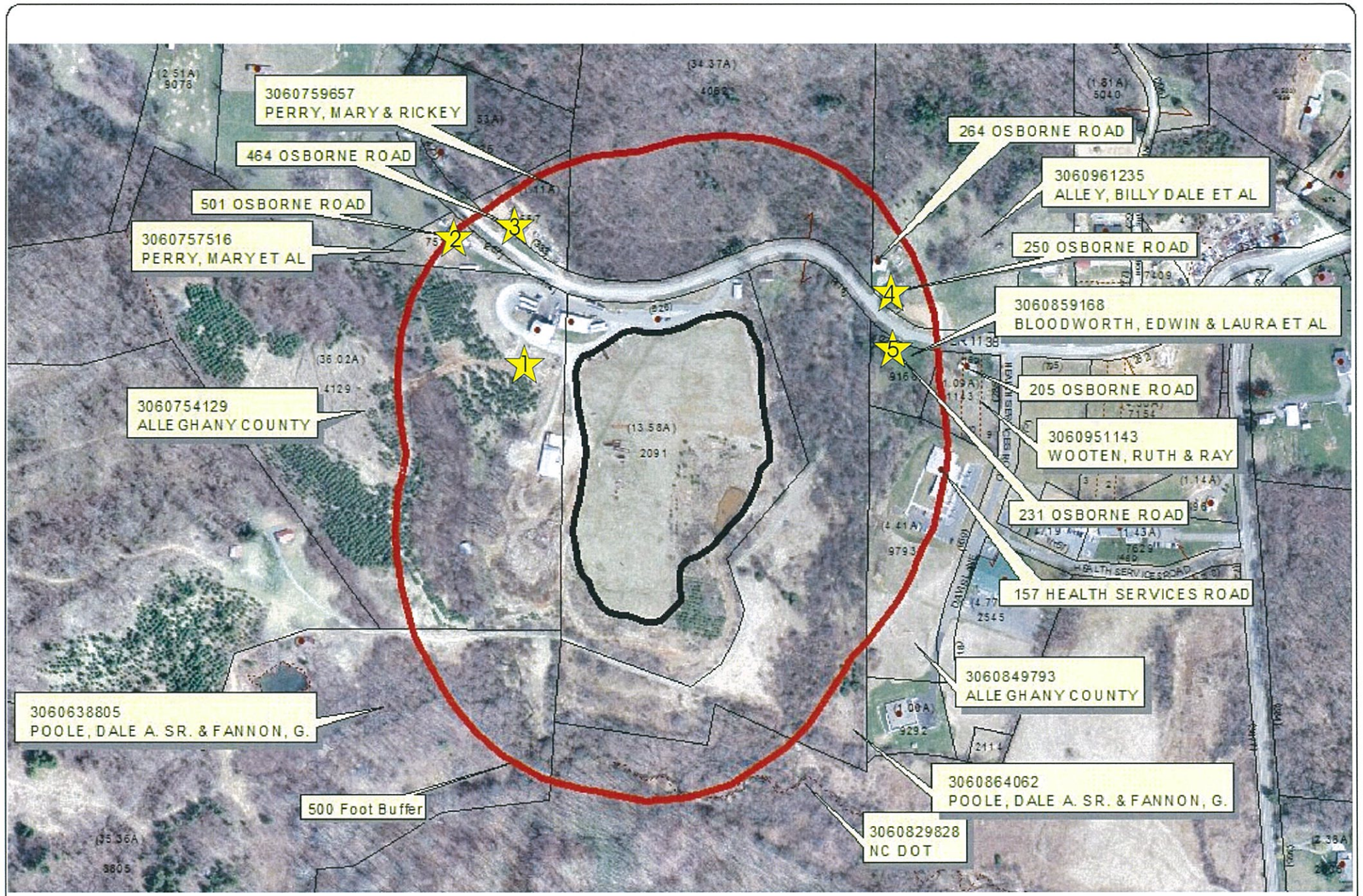
Legend
- Monitoring Well
- Methane Well
- Stream Sampling locations

N

Adapted from The Alleghany County GIS On-Line Department

Applied Resource Management PC
P.O. Box 882, Hampstead, NC 28443
(910) 270-2919 FAX 270-2988

TITLE:	SITE MAP WITH MONITORING WELL AND STREAM SAMPLE LOCATIONS			FIGURE:
JOB: 9625	SCALE: Approx: 1" = 120'	DATE: 7/16/08	DRAWN BY: KLC	1



DISCLAIMER
Alleghany County assumes no legal responsibility for the information represented here.
DISCLAIMER

April 16, 2008

500 Foot Buffer

Alleghany County, NC

Old Lot Lines & ROWS
Parcel Hooks & Leaders
Address Points
Text Annotation
Parcels

1:1182

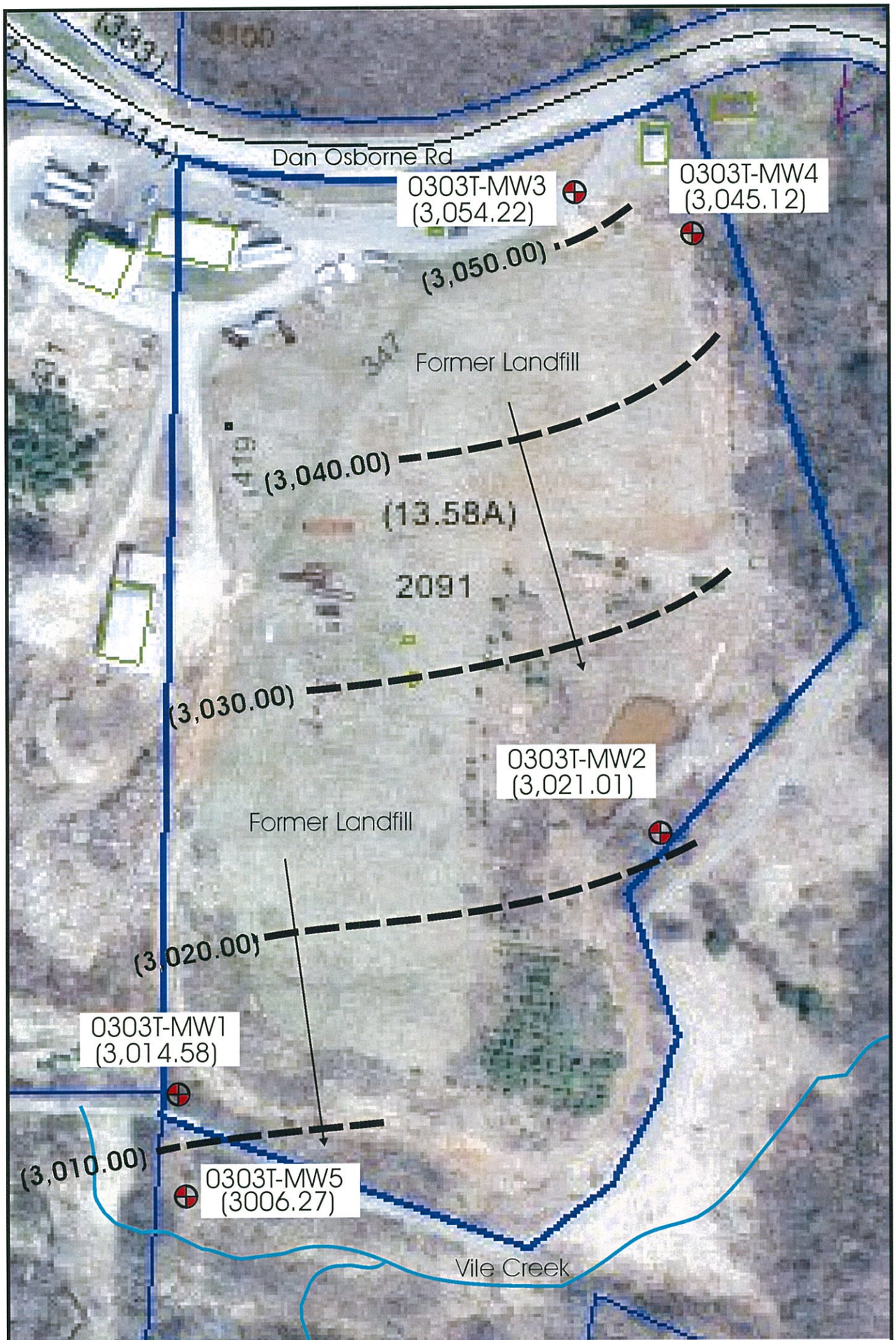
Legend

★ Surrounding Domestic Wells

Adapted from Map provided by Alleghany County Manager's Office

Applied Resource Management PC
P.O. Box 882, Hampstead, NC 28443
(910) 270-2919 FAX 270-2988

TITLE:	SITE MAP WITH DOMESTIC WELL LOCATIONS			FIGURE:
JOB: 9625	SCALE: As Shown	DATE: 6/2/08	DRAWN BY: KLC	2



Legend

Monitoring Well

(3,054.22) Groundwater Elevation In Feet AMSL, Adjusted From GPS

Contour Interval = 10'

Hydraulic Flow Direction

Adapted from The Alleghany County GIS On-Line Department

N

Applied Resource Management PC
P.O. Box 882, Hampstead, NC 28443
(910) 270-2919 FAX 270-2988

TITLE:				FIGURE:
GROUNDWATER TABLE CONTOURS AS OF 12/16/15				3
JOB: 9625	SCALE: Approx: 1" = 120'	DATE: 1/4/16	DRAWN BY: KLC/JLZ	

APPENDIX A

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 06, 2016

Joe Zuncich
ARM'S Waterworks
PO Box 882
Hampstead, NC 28443

RE: Project: Alleghany County Landfill
Pace Project No.: 92280369

Dear Joe Zuncich:
Enclosed are the analytical results for sample(s) received by the laboratory on December 17, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Taylor Ezell
taylor.ezell@pacelabs.com
Project Manager

Enclosures

cc: Karen Corbett, ARM's Waterworks
Ellen Cornette, ARM'S Waterworks
James Cornette, ARM'S Waterworks

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Alleghany County Landfill
Pace Project No.: 92280369

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92280369001	0303T-MW1	Water	12/16/15 16:42	12/17/15 13:40
92280369002	0303T-MW2	Water	12/17/15 08:11	12/17/15 13:40
92280369003	0303T-MW3	Water	12/17/15 10:16	12/17/15 13:40
92280369004	0303T-MW4	Water	12/17/15 09:08	12/17/15 13:40
92280369005	0303T-MW5	Water	12/16/15 16:03	12/17/15 13:40
92280369006	0303T-ST1	Water	12/16/15 15:01	12/17/15 13:40
92280369007	0303T-ST2	Water	12/16/15 15:25	12/17/15 13:40

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Alleghany County Landfill
Pace Project No.: 92280369

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92280369001	0303T-MW1	EPA 200.7	JMW	15	PASI-A
		EPA 245.1	SH1	1	PASI-A
		EPA 8260	GAW	49	PASI-C
92280369002	0303T-MW2	EPA 200.7	JMW	15	PASI-A
		EPA 245.1	SH1	1	PASI-A
		EPA 8260	GAW	49	PASI-C
92280369003	0303T-MW3	EPA 200.7	JMW	15	PASI-A
		EPA 245.1	SH1	1	PASI-A
		EPA 8260	GAW	49	PASI-C
92280369004	0303T-MW4	EPA 200.7	JMW	15	PASI-A
		EPA 245.1	SH1	1	PASI-A
		EPA 8260	GAW	49	PASI-C
92280369005	0303T-MW5	EPA 200.7	JMW	15	PASI-A
		EPA 245.1	SH1	1	PASI-A
		EPA 8260	GAW	49	PASI-C
92280369006	0303T-ST1	EPA 200.7	JMW	15	PASI-A
		EPA 245.1	HVK	1	PASI-A
		EPA 8260	GAW	49	PASI-C
92280369007	0303T-ST2	EPA 200.7	JMW	15	PASI-A
		EPA 245.1	HVK	1	PASI-A
		EPA 8260	GAW	49	PASI-C

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW1 **Lab ID: 92280369001** Collected: 12/16/15 16:42 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Antimony	ND	ug/L	5.0	3.9	1	12/21/15 18:00	12/22/15 19:32	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:32	7440-38-2	
Barium	**27.3**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	12/21/15 18:00	12/22/15 19:32	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	12/21/15 18:00	12/22/15 19:32	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-47-3	
Cobalt	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-48-4	
Copper	**2.8J**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-50-8	
Lead	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7439-92-1	
Nickel	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:32	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-22-4	
Thallium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:32	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-62-2	
Zinc	**5.3J**	ug/L	10.0	2.5	1	12/21/15 18:00	12/22/15 19:32	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	ug/L	0.20	0.070	1	12/23/15 15:15	12/28/15 15:26	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		12/29/15 15:09	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		12/29/15 15:09	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		12/29/15 15:09	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		12/29/15 15:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		12/29/15 15:09	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		12/29/15 15:09	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		12/29/15 15:09	74-83-9	
Carbon disulfide	ND	ug/L	2.0	1.2	1		12/29/15 15:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		12/29/15 15:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/29/15 15:09	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		12/29/15 15:09	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		12/29/15 15:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		12/29/15 15:09	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		12/29/15 15:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		12/29/15 15:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		12/29/15 15:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		12/29/15 15:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		12/29/15 15:09	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		12/29/15 15:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		12/29/15 15:09	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		12/29/15 15:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		12/29/15 15:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		12/29/15 15:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		12/29/15 15:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		12/29/15 15:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/29/15 15:09	78-87-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW1 **Lab ID: 92280369001** Collected: 12/16/15 16:42 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		12/29/15 15:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		12/29/15 15:09	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		12/29/15 15:09	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		12/29/15 15:09	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		12/29/15 15:09	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		12/29/15 15:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		12/29/15 15:09	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		12/29/15 15:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		12/29/15 15:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		12/29/15 15:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		12/29/15 15:09	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		12/29/15 15:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		12/29/15 15:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		12/29/15 15:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		12/29/15 15:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		12/29/15 15:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		12/29/15 15:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		12/29/15 15:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		12/29/15 15:09	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		12/29/15 15:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/29/15 15:09	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		12/29/15 15:09	17060-07-0	
Toluene-d8 (S)	111	%	70-130		1		12/29/15 15:09	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW2 **Lab ID: 92280369002** Collected: 12/17/15 08:11 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Antimony	ND	ug/L	5.0	3.9	1	12/21/15 18:00	12/22/15 19:47	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:47	7440-38-2	
Barium	**23.8**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	12/21/15 18:00	12/22/15 19:47	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	12/21/15 18:00	12/22/15 19:47	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-47-3	
Cobalt	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-48-4	
Copper	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-50-8	
Lead	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7439-92-1	
Nickel	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:47	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-22-4	
Thallium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:47	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-62-2	
Zinc	**9.9J**	ug/L	10.0	2.5	1	12/21/15 18:00	12/22/15 19:47	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	ug/L	0.20	0.070	1	12/23/15 15:15	12/28/15 15:30	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		12/29/15 15:26	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		12/29/15 15:26	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		12/29/15 15:26	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		12/29/15 15:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		12/29/15 15:26	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		12/29/15 15:26	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		12/29/15 15:26	74-83-9	
Carbon disulfide	**2.5**	ug/L	2.0	1.2	1		12/29/15 15:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		12/29/15 15:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/29/15 15:26	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		12/29/15 15:26	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		12/29/15 15:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		12/29/15 15:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		12/29/15 15:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		12/29/15 15:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		12/29/15 15:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		12/29/15 15:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		12/29/15 15:26	95-50-1	
1,4-Dichlorobenzene	**0.51J**	ug/L	1.0	0.33	1		12/29/15 15:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		12/29/15 15:26	110-57-6	
1,1-Dichloroethane	**5.5**	ug/L	1.0	0.32	1		12/29/15 15:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		12/29/15 15:26	107-06-2	
1,1-Dichloroethene	**0.56J**	ug/L	1.0	0.56	1		12/29/15 15:26	75-35-4	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.19	1		12/29/15 15:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		12/29/15 15:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/29/15 15:26	78-87-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW2 **Lab ID: 92280369002** Collected: 12/17/15 08:11 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		12/29/15 15:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		12/29/15 15:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		12/29/15 15:26	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		12/29/15 15:26	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		12/29/15 15:26	74-88-4	
Methylene Chloride	**5.0**	ug/L	1.0	0.97	1		12/29/15 15:26	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		12/29/15 15:26	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		12/29/15 15:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		12/29/15 15:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		12/29/15 15:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		12/29/15 15:26	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		12/29/15 15:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		12/29/15 15:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		12/29/15 15:26	79-00-5	
Trichloroethene	**0.59J**	ug/L	1.0	0.47	1		12/29/15 15:26	79-01-6	
Trichlorofluoromethane	**1.7**	ug/L	1.0	0.20	1		12/29/15 15:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		12/29/15 15:26	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		12/29/15 15:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		12/29/15 15:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		12/29/15 15:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		12/29/15 15:26	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		1		12/29/15 15:26	17060-07-0	
Toluene-d8 (S)	114	%	70-130		1		12/29/15 15:26	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW3 **Lab ID: 92280369003** Collected: 12/17/15 10:16 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Antimony	ND	ug/L	5.0	3.9	1	12/21/15 18:00	12/22/15 19:50	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:50	7440-38-2	
Barium	**597**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-39-3	
Beryllium	**1.5**	ug/L	1.0	0.050	1	12/21/15 18:00	12/22/15 19:50	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	12/21/15 18:00	12/22/15 19:50	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-47-3	
Cobalt	**12.2**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-48-4	
Copper	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-50-8	
Lead	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7439-92-1	
Nickel	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:50	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-22-4	
Thallium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:50	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-62-2	
Zinc	**21.6**	ug/L	10.0	2.5	1	12/21/15 18:00	12/22/15 19:50	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	ug/L	0.20	0.070	1	12/23/15 15:15	12/28/15 15:33	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		12/29/15 15:42	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		12/29/15 15:42	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		12/29/15 15:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		12/29/15 15:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		12/29/15 15:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		12/29/15 15:42	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		12/29/15 15:42	74-83-9	
Carbon disulfide	**1.7J**	ug/L	2.0	1.2	1		12/29/15 15:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		12/29/15 15:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/29/15 15:42	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		12/29/15 15:42	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		12/29/15 15:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		12/29/15 15:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		12/29/15 15:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		12/29/15 15:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		12/29/15 15:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		12/29/15 15:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		12/29/15 15:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		12/29/15 15:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		12/29/15 15:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		12/29/15 15:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		12/29/15 15:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		12/29/15 15:42	75-35-4	
cis-1,2-Dichloroethene	**6.0**	ug/L	1.0	0.19	1		12/29/15 15:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		12/29/15 15:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/29/15 15:42	78-87-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW3 **Lab ID: 92280369003** Collected: 12/17/15 10:16 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		12/29/15 15:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		12/29/15 15:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		12/29/15 15:42	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		12/29/15 15:42	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		12/29/15 15:42	74-88-4	
Methylene Chloride	**1.8**	ug/L	1.0	0.97	1		12/29/15 15:42	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		12/29/15 15:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		12/29/15 15:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		12/29/15 15:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		12/29/15 15:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		12/29/15 15:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		12/29/15 15:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		12/29/15 15:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		12/29/15 15:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		12/29/15 15:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		12/29/15 15:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		12/29/15 15:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		12/29/15 15:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		12/29/15 15:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		12/29/15 15:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		12/29/15 15:42	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		12/29/15 15:42	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		12/29/15 15:42	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW4 **Lab ID: 92280369004** Collected: 12/17/15 09:08 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Antimony	ND	ug/L	5.0	3.9	1	12/21/15 18:00	12/22/15 19:54	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:54	7440-38-2	
Barium	**140**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	12/21/15 18:00	12/22/15 19:54	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	12/21/15 18:00	12/22/15 19:54	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-47-3	
Cobalt	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-48-4	
Copper	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-50-8	
Lead	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7439-92-1	
Nickel	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:54	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-22-4	
Thallium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 19:54	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-62-2	
Zinc	**6.6J**	ug/L	10.0	2.5	1	12/21/15 18:00	12/22/15 19:54	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	ug/L	0.20	0.070	1	12/23/15 15:15	12/28/15 15:35	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		12/29/15 18:49	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		12/29/15 18:49	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		12/29/15 18:49	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		12/29/15 18:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		12/29/15 18:49	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		12/29/15 18:49	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		12/29/15 18:49	74-83-9	
Carbon disulfide	ND	ug/L	2.0	1.2	1		12/29/15 18:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		12/29/15 18:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/29/15 18:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		12/29/15 18:49	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		12/29/15 18:49	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		12/29/15 18:49	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		12/29/15 18:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		12/29/15 18:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		12/29/15 18:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		12/29/15 18:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		12/29/15 18:49	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		12/29/15 18:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		12/29/15 18:49	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		12/29/15 18:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		12/29/15 18:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		12/29/15 18:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		12/29/15 18:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		12/29/15 18:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/29/15 18:49	78-87-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW4 **Lab ID: 92280369004** Collected: 12/17/15 09:08 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		12/29/15 18:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		12/29/15 18:49	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		12/29/15 18:49	100-41-4	
2-Hexanone	**55.4**	ug/L	5.0	0.46	1		12/29/15 18:49	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		12/29/15 18:49	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		12/29/15 18:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		12/29/15 18:49	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		12/29/15 18:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		12/29/15 18:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		12/29/15 18:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		12/29/15 18:49	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		12/29/15 18:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		12/29/15 18:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		12/29/15 18:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		12/29/15 18:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		12/29/15 18:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		12/29/15 18:49	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		12/29/15 18:49	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		12/29/15 18:49	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		12/29/15 18:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/29/15 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		12/29/15 18:49	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		12/29/15 18:49	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW5 **Lab ID: 92280369005** Collected: 12/16/15 16:03 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Antimony	ND	ug/L	5.0	3.9	1	12/21/15 18:00	12/22/15 20:08	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:08	7440-38-2	
Barium	**18.8**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	12/21/15 18:00	12/22/15 20:08	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	12/21/15 18:00	12/22/15 20:08	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-47-3	
Cobalt	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-48-4	
Copper	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-50-8	
Lead	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7439-92-1	
Nickel	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:08	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-22-4	
Thallium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:08	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-62-2	
Zinc	**2.6J**	ug/L	10.0	2.5	1	12/21/15 18:00	12/22/15 20:08	7440-66-6	B
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	ug/L	0.20	0.070	1	12/23/15 15:15	12/28/15 15:37	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		12/29/15 19:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		12/29/15 19:06	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		12/29/15 19:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		12/29/15 19:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		12/29/15 19:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		12/29/15 19:06	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		12/29/15 19:06	74-83-9	
Carbon disulfide	ND	ug/L	2.0	1.2	1		12/29/15 19:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		12/29/15 19:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/29/15 19:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		12/29/15 19:06	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		12/29/15 19:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		12/29/15 19:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		12/29/15 19:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		12/29/15 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		12/29/15 19:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		12/29/15 19:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		12/29/15 19:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		12/29/15 19:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		12/29/15 19:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		12/29/15 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		12/29/15 19:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		12/29/15 19:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		12/29/15 19:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		12/29/15 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/29/15 19:06	78-87-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-MW5 **Lab ID: 92280369005** Collected: 12/16/15 16:03 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		12/29/15 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		12/29/15 19:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		12/29/15 19:06	100-41-4	
2-Hexanone	**14.6**	ug/L	5.0	0.46	1		12/29/15 19:06	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		12/29/15 19:06	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		12/29/15 19:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		12/29/15 19:06	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		12/29/15 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		12/29/15 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		12/29/15 19:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		12/29/15 19:06	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		12/29/15 19:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		12/29/15 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		12/29/15 19:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		12/29/15 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		12/29/15 19:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		12/29/15 19:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		12/29/15 19:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		12/29/15 19:06	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		12/29/15 19:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/29/15 19:06	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		12/29/15 19:06	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		12/29/15 19:06	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-ST1 **Lab ID: 92280369006** Collected: 12/16/15 15:01 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Antimony	ND	ug/L	5.0	3.9	1	12/21/15 18:00	12/22/15 20:11	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:11	7440-38-2	
Barium	**41.2**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	12/21/15 18:00	12/22/15 20:11	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	12/21/15 18:00	12/22/15 20:11	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-47-3	
Cobalt	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-48-4	
Copper	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-50-8	
Lead	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7439-92-1	
Nickel	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:11	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-22-4	
Thallium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:11	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-62-2	
Zinc	ND	ug/L	10.0	2.5	1	12/21/15 18:00	12/22/15 20:11	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	ug/L	0.20	0.070	1	12/23/15 15:15	12/29/15 14:52	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		12/29/15 19:22	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		12/29/15 19:22	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		12/29/15 19:22	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		12/29/15 19:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		12/29/15 19:22	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		12/29/15 19:22	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		12/29/15 19:22	74-83-9	
Carbon disulfide	ND	ug/L	2.0	1.2	1		12/29/15 19:22	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		12/29/15 19:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/29/15 19:22	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		12/29/15 19:22	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		12/29/15 19:22	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		12/29/15 19:22	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		12/29/15 19:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		12/29/15 19:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		12/29/15 19:22	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		12/29/15 19:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		12/29/15 19:22	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		12/29/15 19:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		12/29/15 19:22	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		12/29/15 19:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		12/29/15 19:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		12/29/15 19:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		12/29/15 19:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		12/29/15 19:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/29/15 19:22	78-87-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-ST1 **Lab ID: 92280369006** Collected: 12/16/15 15:01 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		12/29/15 19:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		12/29/15 19:22	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		12/29/15 19:22	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		12/29/15 19:22	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		12/29/15 19:22	74-88-4	
Methylene Chloride	**1.3**	ug/L	1.0	0.97	1		12/29/15 19:22	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		12/29/15 19:22	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		12/29/15 19:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		12/29/15 19:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		12/29/15 19:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		12/29/15 19:22	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		12/29/15 19:22	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		12/29/15 19:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		12/29/15 19:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		12/29/15 19:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		12/29/15 19:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		12/29/15 19:22	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		12/29/15 19:22	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		12/29/15 19:22	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		12/29/15 19:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/29/15 19:22	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		12/29/15 19:22	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		12/29/15 19:22	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-ST2 **Lab ID: 92280369007** Collected: 12/16/15 15:25 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Antimony	ND	ug/L	5.0	3.9	1	12/21/15 18:00	12/22/15 20:15	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:15	7440-38-2	
Barium	**16.8**	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	12/21/15 18:00	12/22/15 20:15	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	12/21/15 18:00	12/22/15 20:15	7440-43-9	
Chromium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-47-3	
Cobalt	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-48-4	
Copper	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-50-8	
Lead	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7439-92-1	
Nickel	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:15	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-22-4	
Thallium	ND	ug/L	10.0	5.0	1	12/21/15 18:00	12/22/15 20:15	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-62-2	
Zinc	ND	ug/L	10.0	2.5	1	12/21/15 18:00	12/22/15 20:15	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	ug/L	0.20	0.070	1	12/23/15 15:15	12/29/15 14:59	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		12/29/15 19:39	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		12/29/15 19:39	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		12/29/15 19:39	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		12/29/15 19:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		12/29/15 19:39	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		12/29/15 19:39	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		12/29/15 19:39	74-83-9	
Carbon disulfide	ND	ug/L	2.0	1.2	1		12/29/15 19:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		12/29/15 19:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		12/29/15 19:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		12/29/15 19:39	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		12/29/15 19:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		12/29/15 19:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		12/29/15 19:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		12/29/15 19:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		12/29/15 19:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		12/29/15 19:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		12/29/15 19:39	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		12/29/15 19:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		12/29/15 19:39	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		12/29/15 19:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		12/29/15 19:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		12/29/15 19:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		12/29/15 19:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		12/29/15 19:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		12/29/15 19:39	78-87-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Alleghany County Landfill
Pace Project No.: 92280369

Sample: 0303T-ST2 **Lab ID: 92280369007** Collected: 12/16/15 15:25 Received: 12/17/15 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		12/29/15 19:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		12/29/15 19:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		12/29/15 19:39	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		12/29/15 19:39	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		12/29/15 19:39	74-88-4	
Methylene Chloride	**1.8**	ug/L	1.0	0.97	1		12/29/15 19:39	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		12/29/15 19:39	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		12/29/15 19:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		12/29/15 19:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		12/29/15 19:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		12/29/15 19:39	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		12/29/15 19:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		12/29/15 19:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		12/29/15 19:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		12/29/15 19:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		12/29/15 19:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		12/29/15 19:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		12/29/15 19:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		12/29/15 19:39	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		12/29/15 19:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/29/15 19:39	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		12/29/15 19:39	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		12/29/15 19:39	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

QC Batch: MERP/8809 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 92280369001, 92280369002, 92280369003, 92280369004, 92280369005

METHOD BLANK: 1635164 Matrix: Water
Associated Lab Samples: 92280369001, 92280369002, 92280369003, 92280369004, 92280369005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.070	12/28/15 14:26	

LABORATORY CONTROL SAMPLE: 1635165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1635166 1635167

Parameter	Units	92280234030 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.4	2.4	94	94	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1635168 1635169

Parameter	Units	92280234040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	97	97	70-130	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

QC Batch: MERP/8810
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury
Associated Lab Samples: 92280369006, 92280369007

METHOD BLANK: 1635171
Matrix: Water
Associated Lab Samples: 92280369006, 92280369007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.070	12/29/15 14:47	

LABORATORY CONTROL SAMPLE: 1635172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1635173 1635174

Parameter	Units	92280369006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	99	100	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1635175 1635176

Parameter	Units	92280485001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	98	101	70-130	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

QC Batch: MPRP/20340 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET
Associated Lab Samples: 92280369001, 92280369002, 92280369003, 92280369004, 92280369005, 92280369006, 92280369007

METHOD BLANK: 1634377 Matrix: Water
Associated Lab Samples: 92280369001, 92280369002, 92280369003, 92280369004, 92280369005, 92280369006, 92280369007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	3.9	12/22/15 18:21	
Arsenic	ug/L	ND	10.0	5.0	12/22/15 18:21	
Barium	ug/L	ND	5.0	2.5	12/22/15 18:21	
Beryllium	ug/L	ND	1.0	0.050	12/22/15 18:21	
Cadmium	ug/L	ND	1.0	0.50	12/22/15 18:21	
Chromium	ug/L	ND	5.0	2.5	12/22/15 18:21	
Cobalt	ug/L	ND	5.0	2.5	12/22/15 18:21	
Copper	ug/L	ND	5.0	2.5	12/22/15 18:21	
Lead	ug/L	ND	5.0	2.5	12/22/15 18:21	
Nickel	ug/L	ND	5.0	2.5	12/22/15 18:21	
Selenium	ug/L	ND	10.0	5.0	12/22/15 18:21	
Silver	ug/L	ND	5.0	2.5	12/22/15 18:21	
Thallium	ug/L	ND	10.0	5.0	12/22/15 18:21	
Vanadium	ug/L	ND	5.0	2.5	12/22/15 18:21	
Zinc	ug/L	2.8J	10.0	2.5	12/22/15 18:21	

LABORATORY CONTROL SAMPLE: 1634378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	474	95	85-115	
Arsenic	ug/L	500	451	90	85-115	
Barium	ug/L	500	466	93	85-115	
Beryllium	ug/L	500	453	91	85-115	
Cadmium	ug/L	500	454	91	85-115	
Chromium	ug/L	500	457	91	85-115	
Cobalt	ug/L	500	461	92	85-115	
Copper	ug/L	500	471	94	85-115	
Lead	ug/L	500	460	92	85-115	
Nickel	ug/L	500	458	92	85-115	
Selenium	ug/L	500	448	90	85-115	
Silver	ug/L	250	232	93	85-115	
Thallium	ug/L	500	449	90	85-115	
Vanadium	ug/L	500	463	93	85-115	
Zinc	ug/L	500	458	92	85-115	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1634379 1634380

Parameter	Units	92280615004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	509	564	101	112	70-130	10	20	
Arsenic	ug/L	ND	500	500	491	547	98	109	70-130	11	20	
Barium	ug/L	18.6	500	500	467	506	90	97	70-130	8	20	
Beryllium	ug/L	ND	500	500	449	500	90	100	70-130	11	20	
Cadmium	ug/L	ND	500	500	441	491	88	98	70-130	11	20	
Chromium	ug/L	ND	500	500	452	501	90	100	70-130	10	20	
Cobalt	ug/L	ND	500	500	441	492	88	98	70-130	11	20	
Copper	ug/L	ND	500	500	501	558	100	111	70-130	11	20	
Lead	ug/L	ND	500	500	428	475	85	95	70-130	10	20	
Nickel	ug/L	ND	500	500	430	478	86	96	70-130	11	20	
Selenium	ug/L	ND	500	500	486	539	97	108	70-130	10	20	
Silver	ug/L	ND	250	250	253	282	101	113	70-130	11	20	
Thallium	ug/L	ND	500	500	380	424	76	85	70-130	11	20	
Vanadium	ug/L	ND	500	500	463	517	92	103	70-130	11	20	
Zinc	ug/L	ND	500	500	492	546	97	108	70-130	10	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1634381 1634382

Parameter	Units	92280369001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	474	481	95	96	70-130	1	20	
Arsenic	ug/L	ND	500	500	448	458	90	92	70-130	2	20	
Barium	ug/L	27.3	500	500	484	494	91	93	70-130	2	20	
Beryllium	ug/L	ND	500	500	451	459	90	92	70-130	2	20	
Cadmium	ug/L	ND	500	500	446	456	89	91	70-130	2	20	
Chromium	ug/L	ND	500	500	453	460	90	92	70-130	2	20	
Cobalt	ug/L	ND	500	500	454	462	91	92	70-130	2	20	
Copper	ug/L	2.8J	500	500	470	482	93	96	70-130	3	20	
Lead	ug/L	ND	500	500	450	457	90	91	70-130	2	20	
Nickel	ug/L	ND	500	500	452	460	90	92	70-130	2	20	
Selenium	ug/L	ND	500	500	451	463	90	93	70-130	3	20	
Silver	ug/L	ND	250	250	229	233	92	93	70-130	2	20	
Thallium	ug/L	ND	500	500	437	446	87	89	70-130	2	20	
Vanadium	ug/L	ND	500	500	463	470	92	94	70-130	2	20	
Zinc	ug/L	5.3J	500	500	455	466	90	92	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

QC Batch: MSV/34968 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92280369001, 92280369002, 92280369003

METHOD BLANK: 1638140 Matrix: Water
Associated Lab Samples: 92280369001, 92280369002, 92280369003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.33	12/29/15 06:11	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	12/29/15 06:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.40	12/29/15 06:11	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.29	12/29/15 06:11	
1,1-Dichloroethane	ug/L	ND	1.0	0.32	12/29/15 06:11	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	12/29/15 06:11	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.41	12/29/15 06:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	2.0	12/29/15 06:11	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	12/29/15 06:11	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.30	12/29/15 06:11	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	12/29/15 06:11	
1,2-Dichloropropane	ug/L	ND	1.0	0.27	12/29/15 06:11	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	12/29/15 06:11	
2-Hexanone	ug/L	ND	5.0	0.46	12/29/15 06:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	12/29/15 06:11	
Acetone	ug/L	ND	25.0	10.0	12/29/15 06:11	
Acrylonitrile	ug/L	ND	10.0	1.9	12/29/15 06:11	
Benzene	ug/L	ND	1.0	0.25	12/29/15 06:11	
Bromochloromethane	ug/L	ND	1.0	0.17	12/29/15 06:11	
Bromodichloromethane	ug/L	ND	1.0	0.18	12/29/15 06:11	
Bromoform	ug/L	ND	1.0	0.26	12/29/15 06:11	
Bromomethane	ug/L	ND	2.0	0.29	12/29/15 06:11	
Carbon disulfide	ug/L	ND	2.0	1.2	12/29/15 06:11	
Carbon tetrachloride	ug/L	ND	1.0	0.25	12/29/15 06:11	
Chlorobenzene	ug/L	ND	1.0	0.23	12/29/15 06:11	
Chloroethane	ug/L	ND	1.0	0.54	12/29/15 06:11	
Chloroform	ug/L	ND	1.0	0.14	12/29/15 06:11	
Chloromethane	ug/L	ND	1.0	0.11	12/29/15 06:11	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	12/29/15 06:11	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.13	12/29/15 06:11	
Dibromochloromethane	ug/L	ND	1.0	0.21	12/29/15 06:11	
Dibromomethane	ug/L	ND	1.0	0.21	12/29/15 06:11	
Ethylbenzene	ug/L	ND	1.0	0.30	12/29/15 06:11	
Iodomethane	ug/L	ND	5.0	0.32	12/29/15 06:11	
Methylene Chloride	ug/L	ND	1.0	0.97	12/29/15 06:11	
Styrene	ug/L	ND	1.0	0.26	12/29/15 06:11	
Tetrachloroethene	ug/L	ND	1.0	0.46	12/29/15 06:11	
Toluene	ug/L	ND	1.0	0.26	12/29/15 06:11	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.49	12/29/15 06:11	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.26	12/29/15 06:11	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	1.0	12/29/15 06:11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

METHOD BLANK: 1638140 Matrix: Water
Associated Lab Samples: 92280369001, 92280369002, 92280369003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	0.47	12/29/15 06:11	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	12/29/15 06:11	
Vinyl acetate	ug/L	ND	2.0	0.35	12/29/15 06:11	
Vinyl chloride	ug/L	ND	1.0	0.62	12/29/15 06:11	
Xylene (Total)	ug/L	ND	2.0	0.66	12/29/15 06:11	
1,2-Dichloroethane-d4 (S)	%	91	70-130		12/29/15 06:11	
4-Bromofluorobenzene (S)	%	102	70-130		12/29/15 06:11	
Toluene-d8 (S)	%	109	70-130		12/29/15 06:11	

LABORATORY CONTROL SAMPLE: 1638141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.6	101	80-125	
1,1,1-Trichloroethane	ug/L	50	48.0	96	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	79-124	
1,1,2-Trichloroethane	ug/L	50	50.9	102	85-125	
1,1-Dichloroethane	ug/L	50	45.2	90	73-126	
1,1-Dichloroethene	ug/L	50	43.6	87	66-135	
1,2,3-Trichloropropane	ug/L	50	51.2	102	75-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.8	96	71-133	
1,2-Dibromoethane (EDB)	ug/L	50	53.4	107	83-124	
1,2-Dichlorobenzene	ug/L	50	49.1	98	80-133	
1,2-Dichloroethane	ug/L	50	45.6	91	67-128	
1,2-Dichloropropane	ug/L	50	46.8	94	75-132	
1,4-Dichlorobenzene	ug/L	50	49.2	98	78-130	
2-Hexanone	ug/L	100	108	108	68-143	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	72-135	
Acetone	ug/L	100	105	105	48-146	
Acrylonitrile	ug/L	250	255	102	40-160	
Benzene	ug/L	50	49.0	98	80-125	
Bromochloromethane	ug/L	50	53.7	107	71-125	
Bromodichloromethane	ug/L	50	48.1	96	78-124	
Bromoform	ug/L	50	43.7	87	71-128	
Bromomethane	ug/L	50	40.4	81	40-160	
Carbon disulfide	ug/L	50	41.0	82	50-160	
Carbon tetrachloride	ug/L	50	49.1	98	69-131	
Chlorobenzene	ug/L	50	49.9	100	81-122	
Chloroethane	ug/L	50	33.9	68	39-148	
Chloroform	ug/L	50	47.6	95	73-127	
Chloromethane	ug/L	50	53.7	107	44-146	
cis-1,2-Dichloroethene	ug/L	50	44.9	90	74-124	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	72-132	
Dibromochloromethane	ug/L	50	52.8	106	78-125	
Dibromomethane	ug/L	50	52.2	104	82-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

LABORATORY CONTROL SAMPLE: 1638141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	46.5	93	79-121	
Iodomethane	ug/L	100	85.5	86	39-154	
Methylene Chloride	ug/L	50	57.2	114	64-133	
Styrene	ug/L	50	48.0	96	84-126	
Tetrachloroethene	ug/L	50	49.3	99	78-122	
Toluene	ug/L	50	45.0	90	80-121	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	71-127	
trans-1,3-Dichloropropene	ug/L	50	45.4	91	69-141	
trans-1,4-Dichloro-2-butene	ug/L	50	54.3	109	40-160	
Trichloroethene	ug/L	50	52.5	105	78-122	
Trichlorofluoromethane	ug/L	50	43.3	87	53-137	
Vinyl acetate	ug/L	100	99.6	100	40-160	
Vinyl chloride	ug/L	50	46.1	92	58-137	
Xylene (Total)	ug/L	150	137	91	81-126	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			94	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

QC Batch: MSV/34989 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92280369004, 92280369005, 92280369006, 92280369007

METHOD BLANK: 1638837 Matrix: Water
Associated Lab Samples: 92280369004, 92280369005, 92280369006, 92280369007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.33	12/29/15 18:32	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	12/29/15 18:32	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.40	12/29/15 18:32	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.29	12/29/15 18:32	
1,1-Dichloroethane	ug/L	ND	1.0	0.32	12/29/15 18:32	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	12/29/15 18:32	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.41	12/29/15 18:32	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	2.0	12/29/15 18:32	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	12/29/15 18:32	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.30	12/29/15 18:32	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	12/29/15 18:32	
1,2-Dichloropropane	ug/L	ND	1.0	0.27	12/29/15 18:32	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	12/29/15 18:32	
2-Hexanone	ug/L	ND	5.0	0.46	12/29/15 18:32	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	12/29/15 18:32	
Acetone	ug/L	ND	25.0	10.0	12/29/15 18:32	
Acrylonitrile	ug/L	ND	10.0	1.9	12/29/15 18:32	
Benzene	ug/L	ND	1.0	0.25	12/29/15 18:32	
Bromochloromethane	ug/L	ND	1.0	0.17	12/29/15 18:32	
Bromodichloromethane	ug/L	ND	1.0	0.18	12/29/15 18:32	
Bromoform	ug/L	ND	1.0	0.26	12/29/15 18:32	
Bromomethane	ug/L	ND	2.0	0.29	12/29/15 18:32	
Carbon disulfide	ug/L	ND	2.0	1.2	12/29/15 18:32	
Carbon tetrachloride	ug/L	ND	1.0	0.25	12/29/15 18:32	
Chlorobenzene	ug/L	ND	1.0	0.23	12/29/15 18:32	
Chloroethane	ug/L	ND	1.0	0.54	12/29/15 18:32	
Chloroform	ug/L	ND	1.0	0.14	12/29/15 18:32	
Chloromethane	ug/L	ND	1.0	0.11	12/29/15 18:32	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	12/29/15 18:32	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.13	12/29/15 18:32	
Dibromochloromethane	ug/L	ND	1.0	0.21	12/29/15 18:32	
Dibromomethane	ug/L	ND	1.0	0.21	12/29/15 18:32	
Ethylbenzene	ug/L	ND	1.0	0.30	12/29/15 18:32	
Iodomethane	ug/L	ND	5.0	0.32	12/29/15 18:32	
Methylene Chloride	ug/L	ND	1.0	0.97	12/29/15 18:32	
Styrene	ug/L	ND	1.0	0.26	12/29/15 18:32	
Tetrachloroethene	ug/L	ND	1.0	0.46	12/29/15 18:32	
Toluene	ug/L	ND	1.0	0.26	12/29/15 18:32	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.49	12/29/15 18:32	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.26	12/29/15 18:32	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	1.0	12/29/15 18:32	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

METHOD BLANK: 1638837 Matrix: Water
Associated Lab Samples: 92280369004, 92280369005, 92280369006, 92280369007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	0.47	12/29/15 18:32	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	12/29/15 18:32	
Vinyl acetate	ug/L	ND	2.0	0.35	12/29/15 18:32	
Vinyl chloride	ug/L	ND	1.0	0.62	12/29/15 18:32	
Xylene (Total)	ug/L	ND	2.0	0.66	12/29/15 18:32	
1,2-Dichloroethane-d4 (S)	%	90	70-130		12/29/15 18:32	
4-Bromofluorobenzene (S)	%	106	70-130		12/29/15 18:32	
Toluene-d8 (S)	%	108	70-130		12/29/15 18:32	

LABORATORY CONTROL SAMPLE: 1638838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.0	92	80-125	
1,1,1-Trichloroethane	ug/L	50	49.7	99	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.6	93	79-124	
1,1,2-Trichloroethane	ug/L	50	48.4	97	85-125	
1,1-Dichloroethane	ug/L	50	46.0	92	73-126	
1,1-Dichloroethene	ug/L	50	46.0	92	66-135	
1,2,3-Trichloropropane	ug/L	50	44.9	90	75-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.9	86	71-133	
1,2-Dibromoethane (EDB)	ug/L	50	49.1	98	83-124	
1,2-Dichlorobenzene	ug/L	50	45.0	90	80-133	
1,2-Dichloroethane	ug/L	50	47.6	95	67-128	
1,2-Dichloropropane	ug/L	50	45.4	91	75-132	
1,4-Dichlorobenzene	ug/L	50	45.6	91	78-130	
2-Hexanone	ug/L	100	97.7	98	68-143	
4-Methyl-2-pentanone (MIBK)	ug/L	100	97.6	98	72-135	
Acetone	ug/L	100	104	104	48-146	
Acrylonitrile	ug/L	250	247	99	40-160	
Benzene	ug/L	50	48.0	96	80-125	
Bromochloromethane	ug/L	50	57.4	115	71-125	
Bromodichloromethane	ug/L	50	48.9	98	78-124	
Bromoform	ug/L	50	40.5	81	71-128	
Bromomethane	ug/L	50	44.0	88	40-160	
Carbon disulfide	ug/L	50	43.3	87	50-160	
Carbon tetrachloride	ug/L	50	48.8	98	69-131	
Chlorobenzene	ug/L	50	47.1	94	81-122	
Chloroethane	ug/L	50	41.9	84	39-148	
Chloroform	ug/L	50	48.1	96	73-127	
Chloromethane	ug/L	50	54.1	108	44-146	
cis-1,2-Dichloroethene	ug/L	50	45.2	90	74-124	
cis-1,3-Dichloropropene	ug/L	50	49.4	99	72-132	
Dibromochloromethane	ug/L	50	48.4	97	78-125	
Dibromomethane	ug/L	50	50.8	102	82-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Alleghany County Landfill
Pace Project No.: 92280369

LABORATORY CONTROL SAMPLE: 1638838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	45.2	90	79-121	
Iodomethane	ug/L	100	95.0	95	39-154	
Methylene Chloride	ug/L	50	57.5	115	64-133	
Styrene	ug/L	50	46.5	93	84-126	
Tetrachloroethene	ug/L	50	46.8	94	78-122	
Toluene	ug/L	50	44.7	89	80-121	
trans-1,2-Dichloroethene	ug/L	50	47.4	95	71-127	
trans-1,3-Dichloropropene	ug/L	50	46.6	93	69-141	
trans-1,4-Dichloro-2-butene	ug/L	50	51.4	103	40-160	
Trichloroethene	ug/L	50	49.2	98	78-122	
Trichlorofluoromethane	ug/L	50	44.8	90	53-137	
Vinyl acetate	ug/L	100	98.0	98	40-160	
Vinyl chloride	ug/L	50	46.2	92	58-137	
Xylene (Total)	ug/L	150	135	90	81-126	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			97	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Alleghany County Landfill
Pace Project No.: 92280369

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
C9	Common Laboratory Contaminant.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Alleghany County Landfill
Pace Project No.: 92280369

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92280369001	0303T-MW1	EPA 200.7	MPRP/20340	EPA 200.7	ICP/18354
92280369002	0303T-MW2	EPA 200.7	MPRP/20340	EPA 200.7	ICP/18354
92280369003	0303T-MW3	EPA 200.7	MPRP/20340	EPA 200.7	ICP/18354
92280369004	0303T-MW4	EPA 200.7	MPRP/20340	EPA 200.7	ICP/18354
92280369005	0303T-MW5	EPA 200.7	MPRP/20340	EPA 200.7	ICP/18354
92280369006	0303T-ST1	EPA 200.7	MPRP/20340	EPA 200.7	ICP/18354
92280369007	0303T-ST2	EPA 200.7	MPRP/20340	EPA 200.7	ICP/18354
92280369001	0303T-MW1	EPA 245.1	MERP/8809	EPA 245.1	MERC/8473
92280369002	0303T-MW2	EPA 245.1	MERP/8809	EPA 245.1	MERC/8473
92280369003	0303T-MW3	EPA 245.1	MERP/8809	EPA 245.1	MERC/8473
92280369004	0303T-MW4	EPA 245.1	MERP/8809	EPA 245.1	MERC/8473
92280369005	0303T-MW5	EPA 245.1	MERP/8809	EPA 245.1	MERC/8473
92280369006	0303T-ST1	EPA 245.1	MERP/8810	EPA 245.1	MERC/8469
92280369007	0303T-ST2	EPA 245.1	MERP/8810	EPA 245.1	MERC/8469
92280369001	0303T-MW1	EPA 8260	MSV/34968		
92280369002	0303T-MW2	EPA 8260	MSV/34968		
92280369003	0303T-MW3	EPA 8260	MSV/34968		
92280369004	0303T-MW4	EPA 8260	MSV/34989		
92280369005	0303T-MW5	EPA 8260	MSV/34989		
92280369006	0303T-ST1	EPA 8260	MSV/34989		
92280369007	0303T-ST2	EPA 8260	MSV/34989		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 15, 2015 Page 1 of 2*
	Document No.: F-RAL-CS-001-rev.03	Issuing Authorities: Pace Raleigh Quality Office

*Page 2 of 2 is for Internal Use Only

Client Name: ARM

Courier (Circle): Fed Ex UPS USPS (Client) Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☑ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other_____

Circle Thermometer Used: IR Gun SN:122065387 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

IR Gun Back Up SN:122065371

Temp Correction Factor: Add / Subtract 0.1 C

Corrected Cooler Temp.: 3.3 C **Biological Tissue is Frozen:** Yes No (N/A)

Temp should be above freezing to 6°C

Date and Initials of person examining contents / Preservation check: NAC 12/17/15

Comments:

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: NA	☑Yes	☐No	☐N/A	12.
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes	☐No		
Samples checked for dechlorination:	☑Yes	☐No	☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF /SRF Review:: (12) Date: 12/21

WO# : 92280369

92280369

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1901834

Section A Required Client Information:
Company: ARM
Address: P.O. Box 882 Hampstead NC
Email To: joe_zunich@southern.com
Phone: 910 270-2919 Fax: 270-2988
Requested Due Date/TAT: STANDARD

Section B Required Project Information:
Report To: ARM
Copy To:
Purchase Order No.:
Project Name: Alleghany County Landfill
Project Number: 9625

Section C Invoice Information:
Attention: Karen Corbett
Company Name: ARM
Address: SAME
Pace Quote Reference:
Pace Project Manager: Tyler Ezell
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER
Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Appendix I Metals	Appendix I VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	0303T-MW1	WT	G			12-16-15	1442		5			1	1					X	X		
2	0303T-MW2	WT	G			12-17-15	0811		5			1	1					X	X		
3	0303T-MW3	WT	G			12-17-15	1016		5			1	1					X	X		
4	0303T-MW4	WT	G			12-17-15	0908		5			1	1					X	X		
5	0303T-MW5	WT	G			12-16-15	1608		5			1	1					X	X		
6	0303T-ST1	WT	G			12-16-15	1501		5			1	1					X	X		
7	0303T-ST2	WT	G			12-16-15	1525		5			1	1					X	X		
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
ANALYZE PER NC LANDFILL PARAMETERS	[signature] ARM	12-17-15		[signature]	12/17/15	1340	3.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: JOE ZUNICH
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY):

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

APPENDIX B

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION	ANALYSIS DAT	NC LABORATORY
	0303T-MW1	7440-36-0	13	Antimony	3.9	ug/L	U	EPA 200.7	3.9	5	6	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-38-2	14	Arsenic	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-39-3	15	Barium	27.3	ug/L		EPA 200.7	2.5	5	100	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-41-7	23	Beryllium	0.05	ug/L	U	EPA 200.7	0.05	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 200.7	0.5	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-47-3	51	Chromium	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-48-4	53	Cobalt	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-50-8	54	Copper	2.8	ug/L	J	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7439-92-1	131	Lead	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-02-0	152	Nickel	2.5	ug/L	U	EPA 200.7	2.5	5	50	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7782-49-2	183	Selenium	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-22-4	184	Silver	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-28-0	194	Thallium	5	ug/L	U	EPA 200.7	5	10	5.5	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-62-2	209	Vanadium	2.5	ug/L	U	EPA 200.7	2.5	5	25	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7440-66-6	213	Zinc	5.3	ug/L	J,B	EPA 200.7	2.5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-36-0	13	Antimony	3.9	ug/L	U	EPA 200.7	3.9	5	6	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-38-2	14	Arsenic	5	ug/L	U	EPA 200.7	5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-39-3	15	Barium	23.8	ug/L		EPA 200.7	2.5	5	100	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-41-7	23	Beryllium	0.05	ug/L	U	EPA 200.7	0.05	1	1	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 200.7	0.5	1	1	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-47-3	51	Chromium	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-48-4	53	Cobalt	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-50-8	54	Copper	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7439-92-1	131	Lead	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-02-0	152	Nickel	2.5	ug/L	U	EPA 200.7	2.5	5	50	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7782-49-2	183	Selenium	5	ug/L	U	EPA 200.7	5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-22-4	184	Silver	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-28-0	194	Thallium	5	ug/L	U	EPA 200.7	5	10	5.5	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-62-2	209	Vanadium	2.5	ug/L	U	EPA 200.7	2.5	5	25	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW2	7440-66-6	213	Zinc	9.9	ug/L	J,B	EPA 200.7	2.5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-36-0	13	Antimony	3.9	ug/L	U	EPA 200.7	3.9	5	6	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-38-2	14	Arsenic	5	ug/L	U	EPA 200.7	5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-39-3	15	Barium	597	ug/L		EPA 200.7	2.5	5	100	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-41-7	23	Beryllium	1.5	ug/L		EPA 200.7	0.05	1	1	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 200.7	0.5	1	1	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-47-3	51	Chromium	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-48-4	53	Cobalt	12.2	ug/L		EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-50-8	54	Copper	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7439-92-1	131	Lead	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-02-0	152	Nickel	2.5	ug/L	U	EPA 200.7	2.5	5	50	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7782-49-2	183	Selenium	5	ug/L	U	EPA 200.7	5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-22-4	184	Silver	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-28-0	194	Thallium	5	ug/L	U	EPA 200.7	5	10	5.5	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-62-2	209	Vanadium	2.5	ug/L	U	EPA 200.7	2.5	5	25	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW3	7440-66-6	213	Zinc	21.6	ug/L	B	EPA 200.7	2.5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-36-0	13	Antimony	3.9	ug/L	U	EPA 200.7	3.9	5	6	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-38-2	14	Arsenic	5	ug/L	U	EPA 200.7	5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-39-3	15	Barium	140	ug/L		EPA 200.7	2.5	5	100	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-41-7	23	Beryllium	0.05	ug/L	U	EPA 200.7	0.05	1	1	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 200.7	0.5	1	1	1	12/17/2015	12/21/2015	12/22/2015	40

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-MW4	7440-47-3	51	Chromium	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-48-4	53	Cobalt	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-50-8	54	Copper	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7439-92-1	131	Lead	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-02-0	152	Nickel	2.5	ug/L	U	EPA 200.7	2.5	5	50	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7782-49-2	183	Selenium	5	ug/L	U	EPA 200.7	5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-22-4	184	Silver	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-28-0	194	Thallium	5	ug/L	U	EPA 200.7	5	10	5.5	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-62-2	209	Vanadium	2.5	ug/L	U	EPA 200.7	2.5	5	25	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW4	7440-66-6	213	Zinc	6.6	ug/L	J,B	EPA 200.7	2.5	10	10	1	12/17/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-36-0	13	Antimony	3.9	ug/L	U	EPA 200.7	3.9	5	6	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-38-2	14	Arsenic	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-39-3	15	Barium	18.8	ug/L		EPA 200.7	2.5	5	100	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-41-7	23	Beryllium	0.05	ug/L	U	EPA 200.7	0.05	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 200.7	0.5	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-47-3	51	Chromium	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-48-4	53	Cobalt	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-50-8	54	Copper	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7439-92-1	131	Lead	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-02-0	152	Nickel	2.5	ug/L	U	EPA 200.7	2.5	5	50	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7782-49-2	183	Selenium	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-22-4	184	Silver	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-28-0	194	Thallium	5	ug/L	U	EPA 200.7	5	10	5.5	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-62-2	209	Vanadium	2.5	ug/L	U	EPA 200.7	2.5	5	25	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW5	7440-66-6	213	Zinc	2.6	ug/L	J,B	EPA 200.7	2.5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-36-0	13	Antimony	3.9	ug/L	U	EPA 200.7	3.9	5	6	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-38-2	14	Arsenic	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-39-3	15	Barium	41.2	ug/L		EPA 200.7	2.5	5	100	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-41-7	23	Beryllium	0.05	ug/L	U	EPA 200.7	0.05	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 200.7	0.5	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-47-3	51	Chromium	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-48-4	53	Cobalt	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-50-8	54	Copper	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7439-92-1	131	Lead	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-02-0	152	Nickel	2.5	ug/L	U	EPA 200.7	2.5	5	50	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7782-49-2	183	Selenium	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-22-4	184	Silver	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-28-0	194	Thallium	5	ug/L	U	EPA 200.7	5	10	5.5	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-62-2	209	Vanadium	2.5	ug/L	U	EPA 200.7	2.5	5	25	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST1	7440-66-6	213	Zinc	2.5	ug/L	U	EPA 200.7	2.5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-36-0	13	Antimony	3.9	ug/L	U	EPA 200.7	3.9	5	6	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-38-2	14	Arsenic	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-39-3	15	Barium	16.8	ug/L		EPA 200.7	2.5	5	100	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-41-7	23	Beryllium	0.05	ug/L	U	EPA 200.7	0.05	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-43-9	34	Cadmium	0.5	ug/L	U	EPA 200.7	0.5	1	1	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-47-3	51	Chromium	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-48-4	53	Cobalt	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-50-8	54	Copper	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7439-92-1	131	Lead	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-02-0	152	Nickel	2.5	ug/L	U	EPA 200.7	2.5	5	50	1	12/16/2015	12/21/2015	12/22/2015	40

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-ST2	7782-49-2	183	Selenium	5	ug/L	U	EPA 200.7	5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-22-4	184	Silver	2.5	ug/L	U	EPA 200.7	2.5	5	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-28-0	194	Thallium	5	ug/L	U	EPA 200.7	5	10	5.5	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-62-2	209	Vanadium	2.5	ug/L	U	EPA 200.7	2.5	5	25	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-ST2	7440-66-6	213	Zinc	2.5	ug/L	U	EPA 200.7	2.5	10	10	1	12/16/2015	12/21/2015	12/22/2015	40
	0303T-MW1	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 245.1	0.07	0.2	0.2	1	12/16/2015	12/23/2015	12/28/2015	40
	0303T-MW2	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 245.1	0.07	0.2	0.2	1	12/17/2015	12/23/2015	12/28/2015	40
	0303T-MW3	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 245.1	0.07	0.2	0.2	1	12/17/2015	12/23/2015	12/28/2015	40
	0303T-MW4	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 245.1	0.07	0.2	0.2	1	12/17/2015	12/23/2015	12/28/2015	40
	0303T-MW5	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 245.1	0.07	0.2	0.2	1	12/16/2015	12/23/2015	12/28/2015	40
	0303T-ST1	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 245.1	0.07	0.2	0.2	1	12/16/2015	12/23/2015	12/29/2015	40
	0303T-ST2	7439-97-6	132	Mercury	0.07	ug/L	U	EPA 245.1	0.07	0.2	0.2	1	12/16/2015	12/23/2015	12/29/2015	40
	0303T-MW1	630-20-6	190	1,1,1,2-Tetrachloroetl	0.33	ug/L	U	EPA 8260	0.33	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	79-34-5	191	1,1,2,2-Tetrachloroetl	0.4	ug/L	U	EPA 8260	0.4	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW1	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	96-18-4	206	1,2,3-Trichloropropan	0.41	ug/L	U	EPA 8260	0.41	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	96-12-8	67	1,2-Dibromo-3-chloro	2	ug/L	U	EPA 8260	2	2	13	1	12/16/2015		12/29/2015	12
	0303T-MW1	106-93-4	68	1,2-Dibromoethane (I	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	107-06-2	76	1,2-Dichloroethane	0.24	ug/L	U	EPA 8260	0.24	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5	50	1	12/16/2015		12/29/2015	12
	0303T-MW1	108-10-1	147	4-Methyl-2-pentanon	0.33	ug/L	U	EPA 8260	0.33	5	100	1	12/16/2015		12/29/2015	12
	0303T-MW1	67-64-1	3	Acetone	10	ug/L	U	EPA 8260	10	25	100	1	12/16/2015		12/29/2015	12
	0303T-MW1	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10	200	1	12/16/2015		12/29/2015	12
	0303T-MW1	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-27-4	29	Bromodichlorometha	0.18	ug/L	U	EPA 8260	0.18	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW1	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2	10	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2	100	1	12/16/2015		12/29/2015	12
	0303T-MW1	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1	10	1	12/16/2015		12/29/2015	12
	0303T-MW1	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	124-48-1	66	Dibromochlorometha	0.21	ug/L	U	EPA 8260	0.21	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW1	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1	10	1	12/16/2015		12/29/2015	12
	0303T-MW1	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5	10	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-69-4	203	Trichlorofluorometha	0.2	ug/L	U	EPA 8260	0.2	1	1	1	12/16/2015		12/29/2015	12

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-MW1	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2	50	1	12/16/2015		12/29/2015	12
	0303T-MW1	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	156-59-2	78	cis-1,2-Dichloroethen	0.19	ug/L	U	EPA 8260	0.19	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	10061-01-5	86	cis-1,3-Dichloroprope	0.13	ug/L	U	EPA 8260	0.13	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	156-60-5	79	trans-1,2-Dichloroeth	0.49	ug/L	U	EPA 8260	0.49	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW1	10061-02-6	87	trans-1,3-Dichloropro	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW1	110-57-6	73	trans-1,4-Dichloro-2-ł	1	ug/L	U	EPA 8260	1	1	100	1	12/16/2015		12/29/2015	12
	0303T-MW2	630-20-6	190	1,1,1,2-Tetrachloroetl	0.33	ug/L	U	EPA 8260	0.33	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW2	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	79-34-5	191	1,1,2,2-Tetrachloroetl	0.4	ug/L	U	EPA 8260	0.4	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW2	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-34-3	75	1,1-Dichloroethane	5.5	ug/L		EPA 8260	0.32	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	J	EPA 8260	0.56	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW2	96-18-4	206	1,2,3-Trichloropropar	0.41	ug/L	U	EPA 8260	0.41	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	96-12-8	67	1,2-Dibromo-3-chloro	2	ug/L	U	EPA 8260	2	2	13	1	12/17/2015		12/29/2015	12
	0303T-MW2	106-93-4	68	1,2-Dibromoethane (I	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW2	107-06-2	76	1,2-Dichloroethane	0.24	ug/L	U	EPA 8260	0.24	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	106-46-7	71	1,4-Dichlorobenzene	0.51	ug/L	J	EPA 8260	0.33	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5	50	1	12/17/2015		12/29/2015	12
	0303T-MW2	108-10-1	147	4-Methyl-2-pentanon	0.33	ug/L	U	EPA 8260	0.33	5	100	1	12/17/2015		12/29/2015	12
	0303T-MW2	67-64-1	3	Acetone	10	ug/L	U	EPA 8260	10	25	100	1	12/17/2015		12/29/2015	12
	0303T-MW2	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10	200	1	12/17/2015		12/29/2015	12
	0303T-MW2	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-27-4	29	Bromodichlorometha	0.18	ug/L	U	EPA 8260	0.18	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW2	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2	10	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-15-0	35	Carbon disulfide	2.5	ug/L		EPA 8260	1.2	2	100	1	12/17/2015		12/29/2015	12
	0303T-MW2	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1	10	1	12/17/2015		12/29/2015	12
	0303T-MW2	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW2	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	124-48-1	66	Dibromochlorometha	0.21	ug/L	U	EPA 8260	0.21	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW2	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1	10	1	12/17/2015		12/29/2015	12
	0303T-MW2	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5	10	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-09-2	140	Methylene Chloride	5	ug/L	C9	EPA 8260	0.97	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	79-01-6	201	Trichloroethene	0.59	ug/L	J	EPA 8260	0.47	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-69-4	203	Trichlorofluorometha	1.7	ug/L		EPA 8260	0.2	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2	50	1	12/17/2015		12/29/2015	12
	0303T-MW2	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	12/17/2015		12/29/2015	12
	0303T-MW2	156-59-2	78	cis-1,2-Dichloroethen	1.3	ug/L		EPA 8260	0.19	1	5	1	12/17/2015		12/29/2015	12

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-MW2	10061-01-5	86	cis-1,3-Dichloroprope	0.13	ug/L	U	EPA 8260	0.13	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	156-60-5	79	trans-1,2-Dichloroeth	0.49	ug/L	U	EPA 8260	0.49	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW2	10061-02-6	87	trans-1,3-Dichloropro	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW2	110-57-6	73	trans-1,4-Dichloro-2-b	1	ug/L	U	EPA 8260	1	1	100	1	12/17/2015		12/29/2015	12
	0303T-MW3	630-20-6	190	1,1,1,2-Tetrachloroetl	0.33	ug/L	U	EPA 8260	0.33	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	79-34-5	191	1,1,2,2-Tetrachloroetl	0.4	ug/L	U	EPA 8260	0.4	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW3	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	96-18-4	206	1,2,3-Trichloropropan	0.41	ug/L	U	EPA 8260	0.41	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	96-12-8	67	1,2-Dibromo-3-chloro	2	ug/L	U	EPA 8260	2	2	13	1	12/17/2015		12/29/2015	12
	0303T-MW3	106-93-4	68	1,2-Dibromoethane (I	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	107-06-2	76	1,2-Dichloroethane	0.24	ug/L	U	EPA 8260	0.24	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5	50	1	12/17/2015		12/29/2015	12
	0303T-MW3	108-10-1	147	4-Methyl-2-pentanon	0.33	ug/L	U	EPA 8260	0.33	5	100	1	12/17/2015		12/29/2015	12
	0303T-MW3	67-64-1	3	Acetone	10	ug/L	U	EPA 8260	10	25	100	1	12/17/2015		12/29/2015	12
	0303T-MW3	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10	200	1	12/17/2015		12/29/2015	12
	0303T-MW3	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-27-4	29	Bromodichlorometha	0.18	ug/L	U	EPA 8260	0.18	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW3	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2	10	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-15-0	35	Carbon disulfide	1.7	ug/L	J	EPA 8260	1.2	2	100	1	12/17/2015		12/29/2015	12
	0303T-MW3	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1	10	1	12/17/2015		12/29/2015	12
	0303T-MW3	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	124-48-1	66	Dibromochlorometha	0.21	ug/L	U	EPA 8260	0.21	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW3	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1	10	1	12/17/2015		12/29/2015	12
	0303T-MW3	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5	10	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-09-2	140	Methylene Chloride	1.8	ug/L	C9	EPA 8260	0.97	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-69-4	203	Trichlorofluorometha	0.2	ug/L	U	EPA 8260	0.2	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2	50	1	12/17/2015		12/29/2015	12
	0303T-MW3	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	156-59-2	78	cis-1,2-Dichloroethen	6	ug/L		EPA 8260	0.19	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	10061-01-5	86	cis-1,3-Dichloroprope	0.13	ug/L	U	EPA 8260	0.13	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	156-60-5	79	trans-1,2-Dichloroeth	0.49	ug/L	U	EPA 8260	0.49	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW3	10061-02-6	87	trans-1,3-Dichloropro	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW3	110-57-6	73	trans-1,4-Dichloro-2-b	1	ug/L	U	EPA 8260	1	1	100	1	12/17/2015		12/29/2015	12

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-MW4	630-20-6	190	1,1,1,2-Tetrachloroetl	0.33	ug/L	U	EPA 8260	0.33	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	79-34-5	191	1,1,2,2-Tetrachloroetl	0.4	ug/L	U	EPA 8260	0.4	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW4	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	96-18-4	206	1,2,3-Trichloropropar	0.41	ug/L	U	EPA 8260	0.41	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	96-12-8	67	1,2-Dibromo-3-chloro	2	ug/L	U	EPA 8260	2	2	13	1	12/17/2015		12/29/2015	12
	0303T-MW4	106-93-4	68	1,2-Dibromoethane (I	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	107-06-2	76	1,2-Dichloroethane	0.24	ug/L	U	EPA 8260	0.24	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	591-78-6	124	2-Hexanone	55.4	ug/L		EPA 8260	0.46	5	50	1	12/17/2015		12/29/2015	12
	0303T-MW4	108-10-1	147	4-Methyl-2-pentanon	0.33	ug/L	U	EPA 8260	0.33	5	100	1	12/17/2015		12/29/2015	12
	0303T-MW4	67-64-1	3	Acetone	10	ug/L	U	EPA 8260	10	25	100	1	12/17/2015		12/29/2015	12
	0303T-MW4	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10	200	1	12/17/2015		12/29/2015	12
	0303T-MW4	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-27-4	29	Bromodichlorometha	0.18	ug/L	U	EPA 8260	0.18	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW4	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2	10	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2	100	1	12/17/2015		12/29/2015	12
	0303T-MW4	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1	10	1	12/17/2015		12/29/2015	12
	0303T-MW4	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	124-48-1	66	Dibromochlorometha	0.21	ug/L	U	EPA 8260	0.21	1	3	1	12/17/2015		12/29/2015	12
	0303T-MW4	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1	10	1	12/17/2015		12/29/2015	12
	0303T-MW4	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5	10	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-69-4	203	Trichlorofluorometha	0.2	ug/L	U	EPA 8260	0.2	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2	50	1	12/17/2015		12/29/2015	12
	0303T-MW4	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	156-59-2	78	cis-1,2-Dichloroethen	0.19	ug/L	U	EPA 8260	0.19	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	10061-01-5	86	cis-1,3-Dichloroprope	0.13	ug/L	U	EPA 8260	0.13	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	156-60-5	79	trans-1,2-Dichloroeth	0.49	ug/L	U	EPA 8260	0.49	1	5	1	12/17/2015		12/29/2015	12
	0303T-MW4	10061-02-6	87	trans-1,3-Dichloropro	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/17/2015		12/29/2015	12
	0303T-MW4	110-57-6	73	trans-1,4-Dichloro-2-ł	1	ug/L	U	EPA 8260	1	1	100	1	12/17/2015		12/29/2015	12
	0303T-MW5	630-20-6	190	1,1,1,2-Tetrachloroetl	0.33	ug/L	U	EPA 8260	0.33	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	79-34-5	191	1,1,2,2-Tetrachloroetl	0.4	ug/L	U	EPA 8260	0.4	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW5	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1	1	1	12/16/2015		12/29/2015	12

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-MW5	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	96-18-4	206	1,2,3-Trichloropropar	0.41	ug/L	U	EPA 8260	0.41	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	96-12-8	67	1,2-Dibromo-3-chloro	2	ug/L	U	EPA 8260	2	2	13	1	12/16/2015		12/29/2015	12
	0303T-MW5	106-93-4	68	1,2-Dibromoethane (I	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	107-06-2	76	1,2-Dichloroethane	0.24	ug/L	U	EPA 8260	0.24	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	591-78-6	124	2-Hexanone	14.6	ug/L		EPA 8260	0.46	5	50	1	12/16/2015		12/29/2015	12
	0303T-MW5	108-10-1	147	4-Methyl-2-pentanon	0.33	ug/L	U	EPA 8260	0.33	5	100	1	12/16/2015		12/29/2015	12
	0303T-MW5	67-64-1	3	Acetone	10	ug/L	U	EPA 8260	10	25	100	1	12/16/2015		12/29/2015	12
	0303T-MW5	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10	200	1	12/16/2015		12/29/2015	12
	0303T-MW5	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-27-4	29	Bromodichlorometha	0.18	ug/L	U	EPA 8260	0.18	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW5	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2	10	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2	100	1	12/16/2015		12/29/2015	12
	0303T-MW5	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1	10	1	12/16/2015		12/29/2015	12
	0303T-MW5	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	124-48-1	66	Dibromochlorometha	0.21	ug/L	U	EPA 8260	0.21	1	3	1	12/16/2015		12/29/2015	12
	0303T-MW5	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1	10	1	12/16/2015		12/29/2015	12
	0303T-MW5	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5	10	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-09-2	140	Methylene Chloride	0.97	ug/L	U	EPA 8260	0.97	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-69-4	203	Trichlorofluorometha	0.2	ug/L	U	EPA 8260	0.2	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2	50	1	12/16/2015		12/29/2015	12
	0303T-MW5	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	156-59-2	78	cis-1,2-Dichloroethen	0.19	ug/L	U	EPA 8260	0.19	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	10061-01-5	86	cis-1,3-Dichloroprope	0.13	ug/L	U	EPA 8260	0.13	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	156-60-5	79	trans-1,2-Dichloroeth	0.49	ug/L	U	EPA 8260	0.49	1	5	1	12/16/2015		12/29/2015	12
	0303T-MW5	10061-02-6	87	trans-1,3-Dichloropro	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-MW5	110-57-6	73	trans-1,4-Dichloro-2-b	1	ug/L	U	EPA 8260	1	1	100	1	12/16/2015		12/29/2015	12
	0303T-ST1	630-20-6	190	1,1,1,2-Tetrachloroetl	0.33	ug/L	U	EPA 8260	0.33	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	79-34-5	191	1,1,2,2-Tetrachloroetl	0.4	ug/L	U	EPA 8260	0.4	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST1	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	96-18-4	206	1,2,3-Trichloropropar	0.41	ug/L	U	EPA 8260	0.41	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	96-12-8	67	1,2-Dibromo-3-chloro	2	ug/L	U	EPA 8260	2	2	13	1	12/16/2015		12/29/2015	12

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-ST1	106-93-4	68	1,2-Dibromoethane (I	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	107-06-2	76	1,2-Dichloroethane	0.24	ug/L	U	EPA 8260	0.24	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5	50	1	12/16/2015		12/29/2015	12
	0303T-ST1	108-10-1	147	4-Methyl-2-pentanon	0.33	ug/L	U	EPA 8260	0.33	5	100	1	12/16/2015		12/29/2015	12
	0303T-ST1	67-64-1	3	Acetone	10	ug/L	U	EPA 8260	10	25	100	1	12/16/2015		12/29/2015	12
	0303T-ST1	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10	200	1	12/16/2015		12/29/2015	12
	0303T-ST1	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-27-4	29	Bromodichlorometha	0.18	ug/L	U	EPA 8260	0.18	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST1	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2	10	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2	100	1	12/16/2015		12/29/2015	12
	0303T-ST1	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1	10	1	12/16/2015		12/29/2015	12
	0303T-ST1	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	124-48-1	66	Dibromochlorometha	0.21	ug/L	U	EPA 8260	0.21	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST1	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1	10	1	12/16/2015		12/29/2015	12
	0303T-ST1	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5	10	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-09-2	140	Methylene Chloride	1.3	ug/L	C9	EPA 8260	0.97	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-69-4	203	Trichlorofluorometha	0.2	ug/L	U	EPA 8260	0.2	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2	50	1	12/16/2015		12/29/2015	12
	0303T-ST1	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	156-59-2	78	cis-1,2-Dichloroethen	0.19	ug/L	U	EPA 8260	0.19	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	10061-01-5	86	cis-1,3-Dichloroprope	0.13	ug/L	U	EPA 8260	0.13	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	156-60-5	79	trans-1,2-Dichloroeth	0.49	ug/L	U	EPA 8260	0.49	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST1	10061-02-6	87	trans-1,3-Dichloropro	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST1	110-57-6	73	trans-1,4-Dichloro-2-I	1	ug/L	U	EPA 8260	1	1	100	1	12/16/2015		12/29/2015	12
	0303T-ST2	630-20-6	190	1,1,1,2-Tetrachloroetl	0.33	ug/L	U	EPA 8260	0.33	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	71-55-6	200	1,1,1-Trichloroethane	0.48	ug/L	U	EPA 8260	0.48	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	79-34-5	191	1,1,2,2-Tetrachloroetl	0.4	ug/L	U	EPA 8260	0.4	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST2	79-00-5	202	1,1,2-Trichloroethane	0.29	ug/L	U	EPA 8260	0.29	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-34-3	75	1,1-Dichloroethane	0.32	ug/L	U	EPA 8260	0.32	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-35-4	77	1,1-Dichloroethene	0.56	ug/L	U	EPA 8260	0.56	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	96-18-4	206	1,2,3-Trichloropropan	0.41	ug/L	U	EPA 8260	0.41	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	96-12-8	67	1,2-Dibromo-3-chloro	2	ug/L	U	EPA 8260	2	2	13	1	12/16/2015		12/29/2015	12
	0303T-ST2	106-93-4	68	1,2-Dibromoethane (I	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	95-50-1	69	1,2-Dichlorobenzene	0.3	ug/L	U	EPA 8260	0.3	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	107-06-2	76	1,2-Dichloroethane	0.24	ug/L	U	EPA 8260	0.24	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	78-87-5	82	1,2-Dichloropropane	0.27	ug/L	U	EPA 8260	0.27	1	1	1	12/16/2015		12/29/2015	12

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION	COLLECT DATE	EXTRACTION I	ANALYSIS DAT	NC LABORATORY
	0303T-ST2	106-46-7	71	1,4-Dichlorobenzene	0.33	ug/L	U	EPA 8260	0.33	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	591-78-6	124	2-Hexanone	0.46	ug/L	U	EPA 8260	0.46	5	50	1	12/16/2015		12/29/2015	12
	0303T-ST2	108-10-1	147	4-Methyl-2-pentanon	0.33	ug/L	U	EPA 8260	0.33	5	100	1	12/16/2015		12/29/2015	12
	0303T-ST2	67-64-1	3	Acetone	10	ug/L	U	EPA 8260	10	25	100	1	12/16/2015		12/29/2015	12
	0303T-ST2	107-13-1	8	Acrylonitrile	1.9	ug/L	U	EPA 8260	1.9	10	200	1	12/16/2015		12/29/2015	12
	0303T-ST2	71-43-2	16	Benzene	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	74-97-5	28	Bromochloromethane	0.17	ug/L	U	EPA 8260	0.17	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-27-4	29	Bromodichlorometha	0.18	ug/L	U	EPA 8260	0.18	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-25-2	30	Bromoform	0.26	ug/L	U	EPA 8260	0.26	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST2	74-83-9	136	Bromomethane	0.29	ug/L	U	EPA 8260	0.29	2	10	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-15-0	35	Carbon disulfide	1.2	ug/L	U	EPA 8260	1.2	2	100	1	12/16/2015		12/29/2015	12
	0303T-ST2	56-23-5	36	Carbon tetrachloride	0.25	ug/L	U	EPA 8260	0.25	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	108-90-7	39	Chlorobenzene	0.23	ug/L	U	EPA 8260	0.23	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-00-3	41	Chloroethane	0.54	ug/L	U	EPA 8260	0.54	1	10	1	12/16/2015		12/29/2015	12
	0303T-ST2	67-66-3	44	Chloroform	0.14	ug/L	U	EPA 8260	0.14	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	74-87-3	137	Chloromethane	0.11	ug/L	U	EPA 8260	0.11	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	124-48-1	66	Dibromochlorometha	0.21	ug/L	U	EPA 8260	0.21	1	3	1	12/16/2015		12/29/2015	12
	0303T-ST2	74-95-3	139	Dibromomethane	0.21	ug/L	U	EPA 8260	0.21	1	10	1	12/16/2015		12/29/2015	12
	0303T-ST2	100-41-4	110	Ethylbenzene	0.3	ug/L	U	EPA 8260	0.3	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	74-88-4	142	Iodomethane	0.32	ug/L	U	EPA 8260	0.32	5	10	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-09-2	140	Methylene Chloride	1.8	ug/L	C9	EPA 8260	0.97	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	100-42-5	186	Styrene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	127-18-4	192	Tetrachloroethene	0.46	ug/L	U	EPA 8260	0.46	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	108-88-3	196	Toluene	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	79-01-6	201	Trichloroethene	0.47	ug/L	U	EPA 8260	0.47	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-69-4	203	Trichlorofluorometha	0.2	ug/L	U	EPA 8260	0.2	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	108-05-4	210	Vinyl acetate	0.35	ug/L	U	EPA 8260	0.35	2	50	1	12/16/2015		12/29/2015	12
	0303T-ST2	75-01-4	211	Vinyl chloride	0.62	ug/L	U	EPA 8260	0.62	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	156-59-2	78	cis-1,2-Dichloroethen	0.19	ug/L	U	EPA 8260	0.19	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	10061-01-5	86	cis-1,3-Dichloroprope	0.13	ug/L	U	EPA 8260	0.13	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	156-60-5	79	trans-1,2-Dichloroeth	0.49	ug/L	U	EPA 8260	0.49	1	5	1	12/16/2015		12/29/2015	12
	0303T-ST2	10061-02-6	87	trans-1,3-Dichloropro	0.26	ug/L	U	EPA 8260	0.26	1	1	1	12/16/2015		12/29/2015	12
	0303T-ST2	110-57-6	73	trans-1,4-Dichloro-2-b	1	ug/L	U	EPA 8260	1	1	100	1	12/16/2015		12/29/2015	12