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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Richardson Smith Gardner and Associates, Inc.

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

Name: Madeline German, PG Phone: 919-828-0577 x 222

E-mail: madeline@rsgengineers.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Avery County Closed MSW Landfill	Brushy Creek Road, Spruce Pine, NC	06-01	.0500	October 3, 2011

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.

Madeline German, PG	Geologist	919-828-0577 x 222
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature — Date: 1/25/2012

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2275 GEOLOGIST MADELINE GERMAN 1/25/2012

14 N. Boylan Ave, Raleigh, NC 27603

Facility Representative Address

Co828

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

Revised 6/2009

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Closed Avery County MSW Landfill

Ground Water Monitoring Report

Fall 2011 Semi-annual Monitoring Event

Avery County Landfill
Newland, North Carolina
NC Solid Waste Permit # 06-01

Prepared for:
Avery County Solid Waste
175 Linville St.
Newland, North Carolina 28657

January 2012

RICHARDSON SMITH GARDNER
& ASSOCIATES
ENGINEERING & GEOLOGICAL
SERVICES

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Avery County – MSW Landfill
Semi-annual Ground Water Monitoring Report
Fall 2011 Sampling Event

1.0 INTRODUCTION 1

2.0 SITE GEOLOGY 1

3.0 SAMPLING PROCEDURES 1

4.0 FIELD AND LABORATORY DATA 2
4.1 Field Measurement Results 2
4.2 Laboratory Analysis 2
4.3 Laboratory Results 2

5.0 GROUND WATER CHARACTERIZATION 2

6.0 CONCLUSIONS 2

FIGURES

Figure 1 – Ground Water Potentiometric Map

TABLES

Table 1 – Ground Water Elevation Data
Table 2 – Field Parameter Results
Table 3 – Detected Constituents

APPENDICES

Appendix A – Field Data Sheets
Appendix B – Monitoring Well Information
Appendix C – Laboratory Analytical Report

1.0 Introduction

Avery County is required to submit semi-annual ground water monitoring reports for the Closed MSW landfill (permit # 06-01) in accordance with Solid Waste Section Rule 15A NCAC 13B. This report, prepared by Richardson Smith Gardner and Associates, Inc (RSG), presents the semi-annual sampling for the event conducted on October 3, 2011.

The ground water monitoring network for the MSW landfill includes three ground water monitoring wells and two surface water locations. This report includes field procedure summaries, laboratory analyses and groundwater characterization for the Closed MSW site.

2.0 Site Geology

The Avery County Closed MSW Landfill is located in the Blue Ridge province of North Carolina, along the eastern limb of the Blue Ridge anticlinorium. Published geologic mapping[1] spots the site approximately twelve miles west of the Brevard Zone (measured perpendicular to strike), which is the boundary of the Blue Ridge Belt and the Piedmont. The principal geologic units mapped in the immediate vicinity of the site include a mix of metamorphosed sedimentary and igneous rocks – termed *paragneiss* and *orthogneiss*, respectively – interlayered with contemporaneous schist, phyllite, and marble, later injected with various granitic intrusions, including plutons, pegmatites, and hydrothermal veins. Regional metamorphic grades in the region include kyanite-grade (high grade) and retrograde chlorite-biotite metamorphism (low grade).

3.0 Sampling Procedures

RSG personnel performed the sampling event on October 3, 2011 that consisted of collecting samples from three ground water wells (MW-1, MW-2 & MW-3) and two surface water locations (SW-1 & SW-2). No boring logs for these monitoring wells could be located in a NCDENR file search.

Sampling methods followed the protocol outlined in the North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities (North Carolina Department of Environment and Natural Resources, Division of Waste Management). The depth to water in each well was gauged prior to purging and sampling. Field measurements of pH, specific conductivity, turbidity, and temperature were recorded at each sampling location.

Samples were collected using new factory sealed Teflon bailers and placed in laboratory prepared containers for the specified analytical procedures. Ground water samples were properly preserved, placed on ice, and transported to the laboratory facility within the specified hold times for each analysis.

A map showing sampling locations is presented as **Figure 1**. Water table elevations are presented in **Table** Field data sheets for the monitoring wells are included in **Appendix A** and a table of well information is available in **Appendix B**.

[1] North Carolina Geologic Survey at http://www.geology.enr.state.nc.us

4.0 Field and Laboratory Data

4.1 Field Measurement Results

Samples were analyzed in the field at the time of sampling for temperature, pH, turbidity and specific conductance. The results of the field measurements are summarized in **Table 2**. In general, these measurements are consistent with previous readings.

4.2 Laboratory Analysis

Samples were transported to the Pace Analytical Services, Inc. Ashville, NC laboratory for analysis of EPA Test Method 6010. Samples were transported to the Pace Analytical Services, Inc. Charlotte, NC laboratory for analysis of EPA Test Method 8260. Samples were analyzed to the Method Reporting Limit (MRL). The laboratory report is provided as **Appendix C.**

4.3 Laboratory Results

Three inorganic/metals were detected above the SWSL; barium and zinc in MW-1 and copper in MW-2. No inorganic constituents were detected above the 2L Standard. No organic constituents were reported as detections above the MRL. No detections were reported at surface water locations.

Ground water elevations and field parameter measurements are included as **Tables 1 & 2**. Detected constituents are presented in **Table 3.**

5.0 Ground Water Characterization

A potentiometric surface map was prepared using ground water elevations from this sampling event. The general groundwater flow is toward the south and southeast across the site toward Brushy Creek. Hydraulic conductivity data was not available for these wells so ground water velocities could not be calculated. The potentiometric surface map is included as **Figure 1.**

6.0 Conclusions

No organic or inorganic constituents were detected above the 2L. Metals detections of barium, copper and zinc are likely naturally occurring constituents in this portion of North Carolina. Historic and background detections indicate their presence is not due to landfill activity. The next groundwater monitoring event is scheduled for April 2012.

Figures

LEGEND

	PROPERTY LINE (SEE REFERENCE 4)
	ESTIMATED WASTE EXTENTS
	APPROX. STREAM LOACTION
	ADJACENT PROPERTY LINE
	ROW/EASEMENT
2690	POTENTIOMETRIC SURFACE (DASHED WHERE INFERRED)
	MONITORING WELL
	EXISTING SURFACE WATER MONITORING POINT
	GAS PROBE
TOC=	TOP OF CASING ELEVATION (SEE REFERENCE 3)
DTW=	DEPTH TO WATER
GWE=	GROUND WATER ELEVATION

NOTES

1. DEPTH TO WATER MEASUREMENTS COLLECTED BY RSG PERSONNEL ON OCTOBER 3, 2011.

REFERENCES

1. ADJACENT PROPERTY BOUNDARIES SOURCED ARE FROM AVERY COUNTY GIS MAPPING DEPARTMENT.
2. EXISTING GAS MANAGEMENT SYSTEM COMPILED FROM AERIAL PHOTOGRAPHY FROM AVERY COUNTY GIS MAPPING DEPARTMENT, 2005 FLYOVER.
3. MONITORING WELL LOCATIONS FROM FIELD SURVEY DATED 1/14/08, BY SURVEYING SOLUTIONS, P.C.
4. PROPERTY LINE, EXISTING PROGRESS ENERGY POWER LINE AND EASEMENT SHOWN FROM FIELD SURVEY DATED APRIL 9, 2010, BY APPALACHIAN PROFESSIONAL LAND SURVEYORS & CONSULTANTS.
5. LFG PROBES LOCATIONS FROM FIELD SURVEY DATED APRIL 9, 2010, BY APPALACHIAN PROFESSIONAL LAND SURVEYORS & CONSULTANTS. PROBE P-2 AND P-3 LOCATIONS WERE NOT SURVEYED AND ARE APPROXIMATE.

0 150' 300'

RICHARDSON SMITH GARDNER & ASSOCIATES
PE FIRM C-0910 (Engineering)
14 N. Boylan Ave.
Raleigh, N.C. 27603
ph: 919-828-0577
fax: 919-828-3899
www.rsgengineers.com

FIGURE NO.	1
FILE NAME	AVERY-B0176
SCALE:	AS NOTED
PROJECT NO.	AVER 09-2
CHECKED BY:	M.M.G.
DRAWN BY:	W.R.B.
DATE:	Jan. 2012

TITLE: AVERY COUNTY SOLID WASTE DEPARTMENT AVERY COUNTY CLOSED MSWLF POTENTIOMETRIC MAP FALL '11

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Tables

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By: MG

Date: 1/6/2012

Table 1
Avery County MSW Landfill
Ground Water Elevation Data
10/3/2011

Well	Well location Northing	Well location Easting	TOC Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-1	812705.6749	1114262.085	2672.60	8.67	2663.93
MW-2	813030.7307	1114625.494	2666.81	9.55	2657.26
MW-3	813531.8988	1114643.917	2696.62	5.73	2690.89

Water level measurements by RSG personnel.

By: MG
Date: 1/6/2012

Table 2
Avery County MSW Landfill
Field Parameters
10/3/2011

Well Identification #	Temperature (°Celsius)	Turbidity (NTU)	Specific Conductivity (uS/cm)	pH
MW-1	12	31	150	6
MW-2	13	22	90	6.1
MW-3	12	26	90	6.9
SW-1	11	224	180	7.9
SW-2	10	190	50	6.4

Note: 1. pH measured with a 'Hanna" pH/EC/TDS Meter, type HI9811
2. Water Levels measured with a Slope Indicator Water Level Meter
3. Turbidity wsa not measured due to a meter malfunction.
4. Temperature measured with a laboratory grade thermometer.
5. Data Collected byDon Misneheimer of RSG.

By: MG
Date: 1/10/2012

Table 3
Avery County MSW Landfill
Detected Inorganic and Organic Constituents
10/3/2011

Constituents	MRL	SWSL	2L or GWP Standards	MW-1	MW-2
Barium	100	100	700	**102**	<100
Copper	10	10	1000	<10	**32.8**
Zinc	10	10	1000	**12.6**	<10

NOTES:

MRL	-	Method Reporting Limit
SWSL	-	Solid Waste Section Quantitation Limit
2L	-	Groundwater Standard (15A NCAC 2L 0200)
GWP		Groundwater Protection Standard
< MRL	-	Not detected at or above the MRL
Shading	-	Levels above 2L standard or GWP Standard
Bold Letters	-	Constituent detected above SWSL

Results are presented in ug/l.
Data from 10/19/2011 Pace Analytical Laboratory Report #92103797.

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Appendix A

Field Data Sheets

RICHARDSON SMITH GARDNER & ASSOCIATES
ENGINEERING & GEOLOGICAL SERVICES

Groundwater Monitoring Well Inspection Checklist

This checklist is provided to inform our clients about the health and maintenance of their groundwater monitoring wells. This checklist provides no information pertaining to groundwater quality, but focuses on the physical characteristics of the well and its vicinity.

Site: Avery MSW **Date:** 10.3.11

Well ID: MW-1 **Initials:** [illegible]

Please mark the aproprate box for the following areas of concern. If you answer NO, please explain in the comment box.

1. Well Vicinity	YES	NO
A. Well is assessable and surrounding area is safe for employees.	✓	
B. Vicinity is free of potential contaminants.	✓	
C. Dead trees, etc. not in danger of falling and damaging wells.	✓	
D. Well is in the same location as on field maps.	✓	
E.		

Comments/ items addressed or to be addressed:

o.k.

2. Concrete Apron and Steel Case	YES	NO
A. Concrete apron is present and in good condition.	✓	
B. Steel case is present and upright.	✓	
C. Steel case is not movable and cemented in.	✓	
D. Steel case lid opens and closes correctly with no gaps. Lock can be easily applied.	✓	
E. Well tag is present with pertinent information.	✓	
F. Well numbers are prominently displayed (Reflective address numbers, etc.).	✓	
G. No evidence of tampering is present.	✓	
H. Lock operates properly.	✓	
I.		

Comments/ items addressed or to be addressed:

o.k.

3. PVC Riser	YES	NO
A. Monitoring cap is present and provides a tight seal.	✓	
B. Riser is of appropriate height (has not been cut off too low within the steel case).	✓	
C. Riser is not loose/ easily moved.	✓	
D. Riser does not appear cracked, broken, or brittle.	✓	
E. No visual sign of external contamination entering well through riser.	✓	
F.		

Comments/ items addressed or to be addressed:

o.k.

RICHARDSON SMITH GARDNER & ASSOCIATES
ENGINEERING & GEOLOGICAL SERVICES

Groundwater Monitoring Well Inspection Checklist

This checklist is provided to inform our clients about the health and maintenance of their groundwater monitoring wells. This checklist provides no information pertaining to groundwater quality, but focuses on the physical characteristics of the well and its vicinity.

Site: Avery MSW **Date:** 10·3·11

Well ID: MW-2 **Initials:** MD

Please mark the aproprate box for the following areas of concern. If you answer NO, please explain in the comment box.

1. Well Vicinity	YES	NO
A. Well is assessable and surrounding area is safe for employees.	✓	
B. Vicinity is free of potential contaminants.	✓	
C. Dead trees, etc. not in danger of falling and damaging wells.	✓	
D. Well is in the same location as on field maps.	✓	
E.		

Comments/ items addressed or to be addressed:

O.K.

2. Concrete Apron and Steel Case	YES	NO
A. Concrete apron is present and in good condition.		✓
B. Steel case is present and upright.	✓	
C. Steel case is not movable and cemented in.	✓	
D. Steel case lid opens and closes correctly with no gaps. Lock can be easily applied.	✓	
E. Well tag is present with pertinent information.		✓
F. Well numbers are prominently displayed (Reflective address numbers, etc.).	✓	
G. No evidence of tampering is present.	✓	
H. Lock operates properly.	✓	
I.		

Comments/ items addressed or to be addressed:

Concrete pad may be buried.

3. PVC Riser	YES	NO
A. Monitoring cap is present and provides a tight seal.	✓	
B. Riser is of appropriate height (has not been cut off too low within the steel case).	✓	
C. Riser is not loose/ easily moved.	✓	
D. Riser does not appear cracked, broken, or brittle.	✓	
E. No visual sign of external contamination entering well through riser.	✓	
F.		

Comments/ items addressed or to be addressed:

Only ~1' of steel casing is above ground.

RICHARDSON SMITH GARDNER & ASSOCIATES
ENGINEERING & GEOLOGICAL SERVICES

Groundwater Monitoring Well Inspection Checklist

This checklist is provided to inform our clients about the health and maintenance of their groundwater monitoring wells. This checklist provides no information pertaining to groundwater quality, but focuses on the physical characteristics of the well and its vicinity.

Site: Avery MSW **Date:** 10-3-11

Well ID: MW-3 **Initials:** AD

Please mark the aproprate box for the following areas of concern. If you answer NO, please explain in the comment box.

1. Well Vicinity	YES	NO
A. Well is assessable and surrounding area is safe for employees.	✓	
B. Vicinity is free of potential contaminants.	✓	
C. Dead trees, etc. not in danger of falling and damaging wells.	✓	
D. Well is in the same location as on field maps.	✓	
E.		

Comments/ items addressed or to be addressed:

O.K.

2. Concrete Apron and Steel Case	YES	NO
A. Concrete apron is present and in good condition.	✓	
B. Steel case is present and upright.	✓	
C. Steel case is not movable and cemented in.	✓	
D. Steel case lid opens and closes correctly with no gaps. Lock can be easily applied.	✓	
E. Well tag is present with pertinent information.		✓
F. Well numbers are prominently displayed (Reflective address numbers, etc.).	✓	
G. No evidence of tampering is present.	✓	
H. Lock operates properly.	✓	
I.		

Comments/ items addressed or to be addressed:

No well tag present

3. PVC Riser	YES	NO
A. Monitoring cap is present and provides a tight seal.	✓	
B. Riser is of appropriate height (has not been cut off too low within the steel case).	✓	
C. Riser is not loose/ easily moved.	✓	
D. Riser does not appear cracked, broken, or brittle.	✓	
E. No visual sign of external contamination entering well through riser.	✓	
F.		

Comments/ items addressed or to be addressed:

O.K.

Appendix B

Monitoring Well Information

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By: MG

Date: 1/6/2012

Appendix B
Avery County MSW Landfill
Monitoring Well Information

Well	Well location Northing	Well location Easting	TOC Elevation (feet)	Depth to Water (feet)	Depth to Bottom (feet)	Assumed Screen Interval
MW-1	812705.6749	1114262.085	2672.60	8.67	23.6	10' - 20'
MW-2	813030.7307	1114625.494	2666.81	9.55	19.02	4' - 14'
MW-3	813531.8988	1114643.917	2696.62	5.73	15.15	4' - 14'

Depth to Water and Depth to Bottom measured from the Top of Casing.

No boring logs or well records for these wells are available, therefore, the screened interval is assumed based on field measurements.

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Appendix C

Laboratory Analytical Report

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

October 19, 2011

Ms. Joan Smyth
RSG&A
14 N. Boylan Ave
Raleigh, NC 27603

RE: Project: AVERY MSW 11-4
Pace Project No.: 92103797

Dear Ms. Smyth:
Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated 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,

Bonnie McKee

Bonnie McKee

bonnie.mckee@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

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
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs

2225 Riverside Dr., 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
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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(828)254-7176

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

SAMPLE ANALYTE COUNT

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92103797001	**SW-1**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
92103797002	**MW-3**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
92103797003	**MW-2**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
92103797004	**SW-2**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
92103797005	**MW-1**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: SW-1 **Lab ID: 92103797001** Collected: 10/04/11 10:52 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	10/14/11 14:35	10/18/11 20:42	7440-36-0	
Arsenic	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7440-38-2	
Barium	ND	ug/L	100	1	10/14/11 14:35	10/18/11 20:42	7440-39-3	
Beryllium	ND	ug/L	1.0	1	10/14/11 14:35	10/18/11 20:42	7440-41-7	
Cadmium	ND	ug/L	1.0	1	10/14/11 14:35	10/18/11 20:42	7440-43-9	
Chromium	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7440-47-3	
Cobalt	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7440-48-4	
Copper	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7440-50-8	
Lead	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7439-92-1	
Nickel	ND	ug/L	50.0	1	10/14/11 14:35	10/18/11 20:42	7440-02-0	
Selenium	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7782-49-2	
Silver	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7440-22-4	
Thallium	ND	ug/L	5.5	1	10/14/11 14:35	10/18/11 20:42	7440-28-0	
Vanadium	ND	ug/L	25.0	1	10/14/11 14:35	10/18/11 20:42	7440-62-2	
Zinc	**20.9**	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:42	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/10/11 20:17	67-64-1	
Acrylonitrile	ND	ug/L	200	1		10/10/11 20:17	107-13-1	
Benzene	ND	ug/L	1.0	1		10/10/11 20:17	71-43-2	
Bromochloromethane	ND	ug/L	3.0	1		10/10/11 20:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/10/11 20:17	75-27-4	
Bromoform	ND	ug/L	3.0	1		10/10/11 20:17	75-25-2	
Bromomethane	ND	ug/L	10.0	1		10/10/11 20:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	1		10/10/11 20:17	78-93-3	
Carbon disulfide	ND	ug/L	100	1		10/10/11 20:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/10/11 20:17	56-23-5	
Chlorobenzene	ND	ug/L	3.0	1		10/10/11 20:17	108-90-7	
Chloroethane	ND	ug/L	10.0	1		10/10/11 20:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/10/11 20:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/10/11 20:17	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	1		10/10/11 20:17	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	1		10/10/11 20:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/10/11 20:17	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		10/10/11 20:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/10/11 20:17	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/10/11 20:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/10/11 20:17	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/10/11 20:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/10/11 20:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/10/11 20:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/10/11 20:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/10/11 20:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/10/11 20:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/10/11 20:17	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/10/11 20:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/10/11 20:17	10061-02-6	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: SW-1 **Lab ID: 92103797001** Collected: 10/04/11 10:52 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		10/10/11 20:17	100-41-4	
2-Hexanone	ND	ug/L	50.0	1		10/10/11 20:17	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/10/11 20:17	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		10/10/11 20:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	1		10/10/11 20:17	108-10-1	
Styrene	ND	ug/L	1.0	1		10/10/11 20:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/10/11 20:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	1		10/10/11 20:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/10/11 20:17	127-18-4	
Toluene	ND	ug/L	1.0	1		10/10/11 20:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/10/11 20:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/10/11 20:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/10/11 20:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/10/11 20:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/10/11 20:17	96-18-4	
Vinyl acetate	ND	ug/L	50.0	1		10/10/11 20:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/10/11 20:17	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		10/10/11 20:17	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-130	1		10/10/11 20:17	460-00-4	
Dibromofluoromethane (S)	110	%	70-130	1		10/10/11 20:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	120	%	70-130	1		10/10/11 20:17	17060-07-0	
Toluene-d8 (S)	106	%	70-130	1		10/10/11 20:17	2037-26-5	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: MW-3 **Lab ID: 92103797002** Collected: 10/04/11 11:00 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	10/14/11 14:35	10/18/11 20:45	7440-36-0	
Arsenic	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7440-38-2	
Barium	ND	ug/L	100	1	10/14/11 14:35	10/18/11 20:45	7440-39-3	
Beryllium	ND	ug/L	1.0	1	10/14/11 14:35	10/18/11 20:45	7440-41-7	
Cadmium	ND	ug/L	1.0	1	10/14/11 14:35	10/18/11 20:45	7440-43-9	
Chromium	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7440-47-3	
Cobalt	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7440-48-4	
Copper	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7440-50-8	
Lead	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7439-92-1	
Nickel	ND	ug/L	50.0	1	10/14/11 14:35	10/18/11 20:45	7440-02-0	
Selenium	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7782-49-2	
Silver	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7440-22-4	
Thallium	ND	ug/L	5.5	1	10/14/11 14:35	10/18/11 20:45	7440-28-0	
Vanadium	ND	ug/L	25.0	1	10/14/11 14:35	10/18/11 20:45	7440-62-2	
Zinc	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:45	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/10/11 20:41	67-64-1	
Acrylonitrile	ND	ug/L	200	1		10/10/11 20:41	107-13-1	
Benzene	ND	ug/L	1.0	1		10/10/11 20:41	71-43-2	
Bromochloromethane	ND	ug/L	3.0	1		10/10/11 20:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/10/11 20:41	75-27-4	
Bromoform	ND	ug/L	3.0	1		10/10/11 20:41	75-25-2	
Bromomethane	ND	ug/L	10.0	1		10/10/11 20:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	1		10/10/11 20:41	78-93-3	
Carbon disulfide	ND	ug/L	100	1		10/10/11 20:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/10/11 20:41	56-23-5	
Chlorobenzene	ND	ug/L	3.0	1		10/10/11 20:41	108-90-7	
Chloroethane	ND	ug/L	10.0	1		10/10/11 20:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/10/11 20:41	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/10/11 20:41	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	1		10/10/11 20:41	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	1		10/10/11 20:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/10/11 20:41	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		10/10/11 20:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/10/11 20:41	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/10/11 20:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/10/11 20:41	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/10/11 20:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/10/11 20:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/10/11 20:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/10/11 20:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/10/11 20:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/10/11 20:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/10/11 20:41	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/10/11 20:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/10/11 20:41	10061-02-6	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: MW-3 **Lab ID: 92103797002** Collected: 10/04/11 11:00 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		10/10/11 20:41	100-41-4	
2-Hexanone	ND	ug/L	50.0	1		10/10/11 20:41	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/10/11 20:41	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		10/10/11 20:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	1		10/10/11 20:41	108-10-1	
Styrene	ND	ug/L	1.0	1		10/10/11 20:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/10/11 20:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	1		10/10/11 20:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/10/11 20:41	127-18-4	
Toluene	ND	ug/L	1.0	1		10/10/11 20:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/10/11 20:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/10/11 20:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/10/11 20:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/10/11 20:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/10/11 20:41	96-18-4	
Vinyl acetate	ND	ug/L	50.0	1		10/10/11 20:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/10/11 20:41	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		10/10/11 20:41	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-130	1		10/10/11 20:41	460-00-4	
Dibromofluoromethane (S)	111	%	70-130	1		10/10/11 20:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	119	%	70-130	1		10/10/11 20:41	17060-07-0	
Toluene-d8 (S)	105	%	70-130	1		10/10/11 20:41	2037-26-5	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: MW-2 **Lab ID: 92103797003** Collected: 10/04/11 11:10 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	10/14/11 14:35	10/18/11 20:49	7440-36-0	
Arsenic	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7440-38-2	
Barium	ND	ug/L	100	1	10/14/11 14:35	10/18/11 20:49	7440-39-3	
Beryllium	ND	ug/L	1.0	1	10/14/11 14:35	10/18/11 20:49	7440-41-7	
Cadmium	ND	ug/L	1.0	1	10/14/11 14:35	10/18/11 20:49	7440-43-9	
Chromium	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7440-47-3	
Cobalt	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7440-48-4	
Copper	**32.8**	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7440-50-8	
Lead	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7439-92-1	
Nickel	ND	ug/L	50.0	1	10/14/11 14:35	10/18/11 20:49	7440-02-0	
Selenium	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7782-49-2	
Silver	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7440-22-4	
Thallium	ND	ug/L	5.5	1	10/14/11 14:35	10/18/11 20:49	7440-28-0	
Vanadium	ND	ug/L	25.0	1	10/14/11 14:35	10/18/11 20:49	7440-62-2	
Zinc	ND	ug/L	10.0	1	10/14/11 14:35	10/18/11 20:49	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/08/11 20:07	67-64-1	
Acrylonitrile	ND	ug/L	200	1		10/08/11 20:07	107-13-1	
Benzene	ND	ug/L	1.0	1		10/08/11 20:07	71-43-2	
Bromochloromethane	ND	ug/L	3.0	1		10/08/11 20:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/08/11 20:07	75-27-4	
Bromoform	ND	ug/L	3.0	1		10/08/11 20:07	75-25-2	
Bromomethane	ND	ug/L	10.0	1		10/08/11 20:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	1		10/08/11 20:07	78-93-3	
Carbon disulfide	ND	ug/L	100	1		10/08/11 20:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/08/11 20:07	56-23-5	
Chlorobenzene	ND	ug/L	3.0	1		10/08/11 20:07	108-90-7	
Chloroethane	ND	ug/L	10.0	1		10/08/11 20:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/08/11 20:07	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/08/11 20:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	1		10/08/11 20:07	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	1		10/08/11 20:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/08/11 20:07	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		10/08/11 20:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/08/11 20:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/08/11 20:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/08/11 20:07	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/08/11 20:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/08/11 20:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/08/11 20:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/08/11 20:07	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/08/11 20:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/08/11 20:07	10061-02-6	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: MW-2 **Lab ID: 92103797003** Collected: 10/04/11 11:10 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		10/08/11 20:07	100-41-4	
2-Hexanone	ND	ug/L	50.0	1		10/08/11 20:07	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/08/11 20:07	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		10/08/11 20:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	1		10/08/11 20:07	108-10-1	
Styrene	ND	ug/L	1.0	1		10/08/11 20:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/08/11 20:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	1		10/08/11 20:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/08/11 20:07	127-18-4	
Toluene	ND	ug/L	1.0	1		10/08/11 20:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/08/11 20:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/08/11 20:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/08/11 20:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/08/11 20:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/08/11 20:07	96-18-4	
Vinyl acetate	ND	ug/L	50.0	1		10/08/11 20:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/08/11 20:07	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		10/08/11 20:07	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130	1		10/08/11 20:07	460-00-4	
Dibromofluoromethane (S)	111	%	70-130	1		10/08/11 20:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	70-130	1		10/08/11 20:07	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		10/08/11 20:07	2037-26-5	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: SW-2 **Lab ID: 92103797004** Collected: 10/04/11 11:18 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	10/17/11 12:35	10/18/11 18:58	7440-36-0	
Arsenic	ND	ug/L	10.0	1	10/17/11 12:35	10/19/11 13:26	7440-38-2	
Barium	ND	ug/L	100	1	10/17/11 12:35	10/18/11 18:58	7440-39-3	
Beryllium	ND	ug/L	1.0	1	10/17/11 12:35	10/18/11 18:58	7440-41-7	
Cadmium	ND	ug/L	1.0	1	10/17/11 12:35	10/18/11 18:58	7440-43-9	
Chromium	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 18:58	7440-47-3	
Cobalt	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 18:58	7440-48-4	
Copper	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 18:58	7440-50-8	
Lead	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 18:58	7439-92-1	
Nickel	ND	ug/L	50.0	1	10/17/11 12:35	10/18/11 18:58	7440-02-0	
Selenium	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 18:58	7782-49-2	
Silver	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 18:58	7440-22-4	
Thallium	ND	ug/L	5.5	1	10/17/11 12:35	10/18/11 18:58	7440-28-0	
Vanadium	ND	ug/L	25.0	1	10/17/11 12:35	10/18/11 18:58	7440-62-2	
Zinc	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 18:58	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/08/11 20:31	67-64-1	
Acrylonitrile	ND	ug/L	200	1		10/08/11 20:31	107-13-1	
Benzene	ND	ug/L	1.0	1		10/08/11 20:31	71-43-2	
Bromochloromethane	ND	ug/L	3.0	1		10/08/11 20:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/08/11 20:31	75-27-4	
Bromoform	ND	ug/L	3.0	1		10/08/11 20:31	75-25-2	
Bromomethane	ND	ug/L	10.0	1		10/08/11 20:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	1		10/08/11 20:31	78-93-3	
Carbon disulfide	ND	ug/L	100	1		10/08/11 20:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/08/11 20:31	56-23-5	
Chlorobenzene	ND	ug/L	3.0	1		10/08/11 20:31	108-90-7	
Chloroethane	ND	ug/L	10.0	1		10/08/11 20:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/08/11 20:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/08/11 20:31	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	1		10/08/11 20:31	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	1		10/08/11 20:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/08/11 20:31	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		10/08/11 20:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/08/11 20:31	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/08/11 20:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/08/11 20:31	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/08/11 20:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/08/11 20:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/08/11 20:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/08/11 20:31	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/08/11 20:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/08/11 20:31	10061-02-6	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: SW-2 **Lab ID: 92103797004** Collected: 10/04/11 11:18 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		10/08/11 20:31	100-41-4	
2-Hexanone	ND	ug/L	50.0	1		10/08/11 20:31	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/08/11 20:31	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		10/08/11 20:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	1		10/08/11 20:31	108-10-1	
Styrene	ND	ug/L	1.0	1		10/08/11 20:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/08/11 20:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	1		10/08/11 20:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/08/11 20:31	127-18-4	
Toluene	ND	ug/L	1.0	1		10/08/11 20:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/08/11 20:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/08/11 20:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/08/11 20:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/08/11 20:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/08/11 20:31	96-18-4	
Vinyl acetate	ND	ug/L	50.0	1		10/08/11 20:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/08/11 20:31	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		10/08/11 20:31	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130	1		10/08/11 20:31	460-00-4	
Dibromofluoromethane (S)	112	%	70-130	1		10/08/11 20:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	116	%	70-130	1		10/08/11 20:31	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/08/11 20:31	2037-26-5	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: MW-1 **Lab ID: 92103797005** Collected: 10/04/11 11:26 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	10/17/11 12:35	10/18/11 19:03	7440-36-0	
Arsenic	ND	ug/L	10.0	1	10/17/11 12:35	10/19/11 13:32	7440-38-2	
Barium	**102**	ug/L	100	1	10/17/11 12:35	10/18/11 19:03	7440-39-3	
Beryllium	ND	ug/L	1.0	1	10/17/11 12:35	10/18/11 19:03	7440-41-7	
Cadmium	ND	ug/L	1.0	1	10/17/11 12:35	10/18/11 19:03	7440-43-9	
Chromium	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 19:03	7440-47-3	
Cobalt	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 19:03	7440-48-4	
Copper	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 19:03	7440-50-8	
Lead	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 19:03	7439-92-1	
Nickel	ND	ug/L	50.0	1	10/17/11 12:35	10/18/11 19:03	7440-02-0	
Selenium	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 19:03	7782-49-2	
Silver	ND	ug/L	10.0	1	10/17/11 12:35	10/18/11 19:03	7440-22-4	
Thallium	ND	ug/L	5.5	1	10/17/11 12:35	10/18/11 19:03	7440-28-0	
Vanadium	ND	ug/L	25.0	1	10/17/11 12:35	10/18/11 19:03	7440-62-2	
Zinc	**12.6**	ug/L	10.0	1	10/17/11 12:35	10/18/11 19:03	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/08/11 20:56	67-64-1	
Acrylonitrile	ND	ug/L	200	1		10/08/11 20:56	107-13-1	
Benzene	ND	ug/L	1.0	1		10/08/11 20:56	71-43-2	
Bromochloromethane	ND	ug/L	3.0	1		10/08/11 20:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/08/11 20:56	75-27-4	
Bromoform	ND	ug/L	3.0	1		10/08/11 20:56	75-25-2	
Bromomethane	ND	ug/L	10.0	1		10/08/11 20:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	1		10/08/11 20:56	78-93-3	
Carbon disulfide	ND	ug/L	100	1		10/08/11 20:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		10/08/11 20:56	56-23-5	
Chlorobenzene	ND	ug/L	3.0	1		10/08/11 20:56	108-90-7	
Chloroethane	ND	ug/L	10.0	1		10/08/11 20:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/08/11 20:56	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/08/11 20:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	1		10/08/11 20:56	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	1		10/08/11 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/08/11 20:56	106-93-4	
Dibromomethane	ND	ug/L	10.0	1		10/08/11 20:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/08/11 20:56	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/08/11 20:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/08/11 20:56	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/08/11 20:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/08/11 20:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/08/11 20:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/08/11 20:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/08/11 20:56	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/08/11 20:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/08/11 20:56	10061-02-6	

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ANALYTICAL RESULTS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Sample: MW-1 **Lab ID: 92103797005** Collected: 10/04/11 11:26 Received: 10/05/11 18:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		10/08/11 20:56	100-41-4	
2-Hexanone	ND	ug/L	50.0	1		10/08/11 20:56	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/08/11 20:56	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		10/08/11 20:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	1		10/08/11 20:56	108-10-1	
Styrene	ND	ug/L	1.0	1		10/08/11 20:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/08/11 20:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	1		10/08/11 20:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/08/11 20:56	127-18-4	
Toluene	ND	ug/L	1.0	1		10/08/11 20:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/08/11 20:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/08/11 20:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/08/11 20:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/08/11 20:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/08/11 20:56	96-18-4	
Vinyl acetate	ND	ug/L	50.0	1		10/08/11 20:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/08/11 20:56	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1		10/08/11 20:56	1330-20-7	
4-Bromofluorobenzene (S)	94	%	70-130	1		10/08/11 20:56	460-00-4	
Dibromofluoromethane (S)	117	%	70-130	1		10/08/11 20:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	70-130	1		10/08/11 20:56	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		10/08/11 20:56	2037-26-5	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

QC Batch: MPRP/9217 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92103797001, 92103797002, 92103797003

METHOD BLANK: 672932 | Matrix: Water
Associated Lab Samples: 92103797001, 92103797002, 92103797003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	10/18/11 19:04	
Arsenic	ug/L	ND	10.0	10/18/11 19:04	
Barium	ug/L	ND	100	10/18/11 19:04	
Beryllium	ug/L	ND	1.0	10/18/11 19:04	
Cadmium	ug/L	ND	1.0	10/18/11 19:04	
Chromium	ug/L	ND	10.0	10/18/11 19:04	
Cobalt	ug/L	ND	10.0	10/18/11 19:04	
Copper	ug/L	ND	10.0	10/18/11 19:04	
Lead	ug/L	ND	10.0	10/18/11 19:04	
Nickel	ug/L	ND	50.0	10/18/11 19:04	
Selenium	ug/L	ND	10.0	10/18/11 19:04	
Silver	ug/L	ND	10.0	10/18/11 19:04	
Thallium	ug/L	ND	5.5	10/18/11 19:04	
Vanadium	ug/L	ND	25.0	10/18/11 19:04	
Zinc	ug/L	ND	10.0	10/18/11 19:04	

LABORATORY CONTROL SAMPLE: 672933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	490	98	80-120	
Arsenic	ug/L	500	489	98	80-120	
Barium	ug/L	500	504	101	80-120	
Beryllium	ug/L	500	489	98	80-120	
Cadmium	ug/L	500	496	99	80-120	
Chromium	ug/L	500	481	96	80-120	
Cobalt	ug/L	500	491	98	80-120	
Copper	ug/L	500	496	99	80-120	
Lead	ug/L	500	498	100	80-120	
Nickel	ug/L	500	501	100	80-120	
Selenium	ug/L	500	494	99	80-120	
Silver	ug/L	250	243	97	80-120	
Thallium	ug/L	500	490	98	80-120	
Vanadium	ug/L	500	489	98	80-120	
Zinc	ug/L	500	475	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 672943 672944

Parameter	Units	92103784004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Antimony	ug/L	ND	500	500	488	495	98	99	75-125	1	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 672943 672944

Parameter	Units	92103784004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic	ug/L	ND	500	500	485	490	97	98	75-125	1	
Barium	ug/L	ND	500	500	501	513	100	102	75-125	2	
Beryllium	ug/L	ND	500	500	478	485	96	97	75-125	1	
Cadmium	ug/L	ND	500	500	490	493	98	99	75-125	1	
Chromium	ug/L	ND	500	500	478	484	96	97	75-125	1	
Cobalt	ug/L	ND	500	500	487	492	97	98	75-125	1	
Copper	ug/L	ND	500	500	498	510	99	102	75-125	2	
Lead	ug/L	ND	500	500	484	492	97	98	75-125	2	
Nickel	ug/L	ND	500	500	494	502	99	100	75-125	2	
Selenium	ug/L	ND	500	500	479	492	95	98	75-125	3	
Silver	ug/L	ND	250	250	241	243	96	97	75-125	1	
Thallium	ug/L	ND	500	500	486	493	96	98	75-125	1	
Vanadium	ug/L	ND	500	500	488	494	98	99	75-125	1	
Zinc	ug/L	ND	500	500	475	478	94	95	75-125	1	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

QC Batch: MPRP/9224
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92103797004, 92103797005

METHOD BLANK: 673557
Matrix: Water
Associated Lab Samples: 92103797004, 92103797005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	10/18/11 18:52	
Arsenic	ug/L	ND	10.0	10/18/11 18:52	
Barium	ug/L	ND	100	10/18/11 18:52	
Beryllium	ug/L	ND	1.0	10/18/11 18:52	
Cadmium	ug/L	ND	1.0	10/18/11 18:52	
Chromium	ug/L	ND	10.0	10/18/11 18:52	
Cobalt	ug/L	ND	10.0	10/18/11 18:52	
Copper	ug/L	ND	10.0	10/18/11 18:52	
Lead	ug/L	ND	10.0	10/18/11 18:52	
Nickel	ug/L	ND	50.0	10/18/11 18:52	
Selenium	ug/L	ND	10.0	10/18/11 18:52	
Silver	ug/L	ND	10.0	10/18/11 18:52	
Thallium	ug/L	ND	5.5	10/18/11 18:52	
Vanadium	ug/L	ND	25.0	10/18/11 18:52	
Zinc	ug/L	ND	10.0	10/18/11 18:52	

LABORATORY CONTROL SAMPLE: 673558

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	521	104	80-120	
Arsenic	ug/L	500	519	104	80-120	
Barium	ug/L	500	507	101	80-120	
Beryllium	ug/L	500	502	100	80-120	
Cadmium	ug/L	500	509	102	80-120	
Chromium	ug/L	500	501	100	80-120	
Cobalt	ug/L	500	523	105	80-120	
Copper	ug/L	500	511	102	80-120	
Lead	ug/L	500	503	101	80-120	
Nickel	ug/L	500	511	102	80-120	
Selenium	ug/L	500	520	104	80-120	
Silver	ug/L	250	253	101	80-120	
Thallium	ug/L	500	507	101	80-120	
Vanadium	ug/L	500	497	99	80-120	
Zinc	ug/L	500	526	105	80-120	

MATRIX SPIKE SAMPLE: 673559

Parameter	Units	92103797004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	505	101	75-125	
Arsenic	ug/L	ND	500	486	97	75-125	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

MATRIX SPIKE SAMPLE: 673559

Parameter	Units	92103797004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	ND	500	515	99	75-125	
Beryllium	ug/L	ND	500	493	99	75-125	
Cadmium	ug/L	ND	500	497	99	75-125	
Chromium	ug/L	ND	500	494	99	75-125	
Cobalt	ug/L	ND	500	511	102	75-125	
Copper	ug/L	ND	500	502	100	75-125	
Lead	ug/L	ND	500	492	98	75-125	
Nickel	ug/L	ND	500	499	100	75-125	
Selenium	ug/L	ND	500	506	101	75-125	
Silver	ug/L	ND	250	248	99	75-125	
Thallium	ug/L	ND	500	491	98	75-125	
Vanadium	ug/L	ND	500	488	97	75-125	
Zinc	ug/L	ND	500	517	103	75-125	

SAMPLE DUPLICATE: 673560

Parameter	Units	92103797005 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	102	ND	2	
Beryllium	ug/L	ND	ND		
Cadmium	ug/L	ND	ND		
Chromium	ug/L	ND	ND		
Cobalt	ug/L	ND	7.4J	2	
Copper	ug/L	ND	ND		
Lead	ug/L	ND	ND		
Nickel	ug/L	ND	ND		
Selenium	ug/L	ND	ND		
Silver	ug/L	ND	ND		
Thallium	ug/L	ND	ND		
Vanadium	ug/L	ND	ND		
Zinc	ug/L	12.6	12.3	2	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

QC Batch: MSV/16905
Analysis Method: EPA 8260
QC Batch Method: EPA 8260
Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92103797001, 92103797002

METHOD BLANK: 669359
Matrix: Water
Associated Lab Samples: 92103797001, 92103797002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	10/10/11 11:46	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/10/11 11:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	10/10/11 11:46	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/10/11 11:46	
1,1-Dichloroethane	ug/L	ND	5.0	10/10/11 11:46	
1,1-Dichloroethene	ug/L	ND	5.0	10/10/11 11:46	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/10/11 11:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	10/10/11 11:46	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/10/11 11:46	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/10/11 11:46	
1,2-Dichloroethane	ug/L	ND	1.0	10/10/11 11:46	
1,2-Dichloropropane	ug/L	ND	1.0	10/10/11 11:46	
1,3-Dichloropropane	ug/L	ND	1.0	10/10/11 11:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/10/11 11:46	
2-Butanone (MEK)	ug/L	ND	100	10/10/11 11:46	
2-Hexanone	ug/L	ND	50.0	10/10/11 11:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	10/10/11 11:46	
Acetone	ug/L	ND	100	10/10/11 11:46	
Acrylonitrile	ug/L	ND	200	10/10/11 11:46	
Benzene	ug/L	ND	1.0	10/10/11 11:46	
Bromochloromethane	ug/L	ND	3.0	10/10/11 11:46	
Bromodichloromethane	ug/L	ND	1.0	10/10/11 11:46	
Bromoform	ug/L	ND	3.0	10/10/11 11:46	
Bromomethane	ug/L	ND	10.0	10/10/11 11:46	
Carbon disulfide	ug/L	ND	100	10/10/11 11:46	
Carbon tetrachloride	ug/L	ND	1.0	10/10/11 11:46	
Chlorobenzene	ug/L	ND	3.0	10/10/11 11:46	
Chloroethane	ug/L	ND	10.0	10/10/11 11:46	
Chloroform	ug/L	ND	5.0	10/10/11 11:46	
Chloromethane	ug/L	ND	1.0	10/10/11 11:46	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/10/11 11:46	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/10/11 11:46	
Dibromochloromethane	ug/L	ND	3.0	10/10/11 11:46	
Dibromomethane	ug/L	ND	10.0	10/10/11 11:46	
Ethylbenzene	ug/L	ND	1.0	10/10/11 11:46	
Iodomethane	ug/L	ND	10.0	10/10/11 11:46	
Methylene Chloride	ug/L	ND	1.0	10/10/11 11:46	
Styrene	ug/L	ND	1.0	10/10/11 11:46	
Tetrachloroethene	ug/L	ND	1.0	10/10/11 11:46	
Toluene	ug/L	ND	1.0	10/10/11 11:46	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/10/11 11:46	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/10/11 11:46	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	10/10/11 11:46	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

METHOD BLANK: 669359 Matrix: Water

Associated Lab Samples: 92103797001, 92103797002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	10/10/11 11:46	
Trichlorofluoromethane	ug/L	ND	1.0	10/10/11 11:46	
Vinyl acetate	ug/L	ND	50.0	10/10/11 11:46	
Vinyl chloride	ug/L	ND	1.0	10/10/11 11:46	
Xylene (Total)	ug/L	ND	5.0	10/10/11 11:46	
1,2-Dichloroethane-d4 (S)	%	112	70-130	10/10/11 11:46	
4-Bromofluorobenzene (S)	%	99	70-130	10/10/11 11:46	
Dibromofluoromethane (S)	%	113	70-130	10/10/11 11:46	
Toluene-d8 (S)	%	104	70-130	10/10/11 11:46	

LABORATORY CONTROL SAMPLE: 669360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.3	113	70-130	
1,1,1-Trichloroethane	ug/L	50	52.7	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	60.8	122	70-130	
1,1,2-Trichloroethane	ug/L	50	55.1	110	70-130	
1,1-Dichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethene	ug/L	50	52.5	105	70-132	
1,2,3-Trichloropropane	ug/L	50	55.0	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	60.4	121	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	56.6	113	70-130	
1,2-Dichlorobenzene	ug/L	50	54.6	109	70-130	
1,2-Dichloroethane	ug/L	50	59.4	119	70-130	
1,2-Dichloropropane	ug/L	50	59.2	118	70-130	
1,3-Dichloropropane	ug/L	50	57.4	115	70-130	
1,4-Dichlorobenzene	ug/L	50	51.5	103	70-130	
2-Butanone (MEK)	ug/L	100	124	124	70-145	
2-Hexanone	ug/L	100	118	118	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	113	113	70-140	
Acetone	ug/L	100	124	124	50-175	
Acrylonitrile	ug/L	250	313	125	70-143	
Benzene	ug/L	50	59.9	120	70-130	
Bromochloromethane	ug/L	50	51.2	102	70-130	
Bromodichloromethane	ug/L	50	54.3	109	70-130	
Bromoform	ug/L	50	54.9	110	70-130	
Bromomethane	ug/L	50	51.2	102	54-130	
Carbon disulfide	ug/L	50	49.7J	99	70-131	
Carbon tetrachloride	ug/L	50	52.0	104	70-132	
Chlorobenzene	ug/L	50	55.7	111	70-130	
Chloroethane	ug/L	50	57.6	115	64-134	
Chloroform	ug/L	50	51.4	103	70-130	
Chloromethane	ug/L	50	49.5	99	64-130	
cis-1,2-Dichloroethene	ug/L	50	52.1	104	70-131	
cis-1,3-Dichloropropene	ug/L	50	60.8	122	70-130	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

LABORATORY CONTROL SAMPLE: 669360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	55.1	110	70-130	
Dibromomethane	ug/L	50	54.3	109	70-131	
Ethylbenzene	ug/L	50	55.6	111	70-130	
Iodomethane	ug/L	100	83.0	83	49-180	
Methylene Chloride	ug/L	50	58.5	117	63-130	
Styrene	ug/L	50	59.1	118	70-130	
Tetrachloroethene	ug/L	50	52.2	104	70-130	
Toluene	ug/L	50	54.0	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	63.8	128	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	75.6J	151	70-141	L0
Trichloroethene	ug/L	50	56.9	114	70-130	
Trichlorofluoromethane	ug/L	50	53.7	107	62-133	
Vinyl acetate	ug/L	100	111	111	66-157	
Vinyl chloride	ug/L	50	57.0	114	69-130	
Xylene (Total)	ug/L	150	168	112	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 669361 669362

Parameter	Units	92103784004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	70.3	70.7	141	141	70-166	1	
Benzene	ug/L	ND	50	50	69.3	69.3	139	139	70-148	0	
Chlorobenzene	ug/L	ND	50	50	63.6	64.9	127	130	70-146	2	
Toluene	ug/L	ND	50	50	62.0	63.2	124	126	70-155	2	
Trichloroethene	ug/L	ND	50	50	59.0	59.6	118	119	69-151	1	
1,2-Dichloroethane-d4 (S)	%						109	116	70-130		
4-Bromofluorobenzene (S)	%						100	99	70-130		
Dibromofluoromethane (S)	%						105	104	70-130		
Toluene-d8 (S)	%						101	99	70-130		

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

QC Batch: MSV/16916 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92103797003, 92103797004, 92103797005

METHOD BLANK: 670231 Matrix: Water
Associated Lab Samples: 92103797003, 92103797004, 92103797005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	10/08/11 14:01	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/08/11 14:01	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	10/08/11 14:01	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/08/11 14:01	
1,1-Dichloroethane	ug/L	ND	5.0	10/08/11 14:01	
1,1-Dichloroethene	ug/L	ND	5.0	10/08/11 14:01	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/08/11 14:01	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	10/08/11 14:01	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/08/11 14:01	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/08/11 14:01	
1,2-Dichloroethane	ug/L	ND	1.0	10/08/11 14:01	
1,2-Dichloropropane	ug/L	ND	1.0	10/08/11 14:01	
1,3-Dichloropropane	ug/L	ND	1.0	10/08/11 14:01	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/08/11 14:01	
2-Butanone (MEK)	ug/L	ND	100	10/08/11 14:01	
2-Hexanone	ug/L	ND	50.0	10/08/11 14:01	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	10/08/11 14:01	
Acetone	ug/L	ND	100	10/08/11 14:01	
Acrylonitrile	ug/L	ND	200	10/08/11 14:01	
Benzene	ug/L	ND	1.0	10/08/11 14:01	
Bromochloromethane	ug/L	ND	3.0	10/08/11 14:01	
Bromodichloromethane	ug/L	ND	1.0	10/08/11 14:01	
Bromoform	ug/L	ND	3.0	10/08/11 14:01	
Bromomethane	ug/L	ND	10.0	10/08/11 14:01	
Carbon disulfide	ug/L	ND	100	10/08/11 14:01	
Carbon tetrachloride	ug/L	ND	1.0	10/08/11 14:01	
Chlorobenzene	ug/L	ND	3.0	10/08/11 14:01	
Chloroethane	ug/L	ND	10.0	10/08/11 14:01	
Chloroform	ug/L	ND	5.0	10/08/11 14:01	
Chloromethane	ug/L	ND	1.0	10/08/11 14:01	
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/08/11 14:01	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/08/11 14:01	
Dibromochloromethane	ug/L	ND	3.0	10/08/11 14:01	
Dibromomethane	ug/L	ND	10.0	10/08/11 14:01	
Ethylbenzene	ug/L	ND	1.0	10/08/11 14:01	
Iodomethane	ug/L	ND	10.0	10/08/11 14:01	
Methylene Chloride	ug/L	ND	1.0	10/08/11 14:01	
Styrene	ug/L	ND	1.0	10/08/11 14:01	
Tetrachloroethene	ug/L	ND	1.0	10/08/11 14:01	
Toluene	ug/L	ND	1.0	10/08/11 14:01	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/08/11 14:01	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/08/11 14:01	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	10/08/11 14:01	

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QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

METHOD BLANK: 670231 Matrix: Water

Associated Lab Samples: 92103797003, 92103797004, 92103797005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	10/08/11 14:01	
Trichlorofluoromethane	ug/L	ND	1.0	10/08/11 14:01	
Vinyl acetate	ug/L	ND	50.0	10/08/11 14:01	
Vinyl chloride	ug/L	ND	1.0	10/08/11 14:01	
Xylene (Total)	ug/L	ND	5.0	10/08/11 14:01	
1,2-Dichloroethane-d4 (S)	%	110	70-130	10/08/11 14:01	
4-Bromofluorobenzene (S)	%	95	70-130	10/08/11 14:01	
Dibromofluoromethane (S)	%	108	70-130	10/08/11 14:01	
Toluene-d8 (S)	%	101	70-130	10/08/11 14:01	

LABORATORY CONTROL SAMPLE: 670232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.4	109	70-130	
1,1,1-Trichloroethane	ug/L	50	46.9	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	55.6	111	70-130	
1,1,2-Trichloroethane	ug/L	50	50.9	102	70-130	
1,1-Dichloroethane	ug/L	50	51.1	102	70-130	
1,1-Dichloroethene	ug/L	50	49.2	98	70-132	
1,2,3-Trichloropropane	ug/L	50	53.4	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.3	113	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.3	109	70-130	
1,2-Dichlorobenzene	ug/L	50	54.9	110	70-130	
1,2-Dichloroethane	ug/L	50	56.0	112	70-130	
1,2-Dichloropropane	ug/L	50	52.9	106	70-130	
1,3-Dichloropropane	ug/L	50	53.5	107	70-130	
1,4-Dichlorobenzene	ug/L	50	51.5	103	70-130	
2-Butanone (MEK)	ug/L	100	105	105	70-145	
2-Hexanone	ug/L	100	97.7	98	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	94.6J	95	70-140	
Acetone	ug/L	100	103	103	50-175	
Acrylonitrile	ug/L	250	280	112	70-143	
Benzene	ug/L	50	53.4	107	70-130	
Bromochloromethane	ug/L	50	51.9	104	70-130	
Bromodichloromethane	ug/L	50	50.4	101	70-130	
Bromoform	ug/L	50	48.0	96	70-130	
Bromomethane	ug/L	50	57.0	114	54-130	
Carbon disulfide	ug/L	50	46.3J	93	70-131	
Carbon tetrachloride	ug/L	50	50.8	102	70-132	
Chlorobenzene	ug/L	50	53.7	107	70-130	
Chloroethane	ug/L	50	58.0	116	64-134	
Chloroform	ug/L	50	48.9	98	70-130	
Chloromethane	ug/L	50	52.0	104	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.8	104	70-130	

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Pace Analytical Services, Inc.
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(828)254-7176

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

QUALITY CONTROL DATA

Project: AVERY MSW 11-4
Pace Project No.: 92103797

LABORATORY CONTROL SAMPLE: 670232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	51.3	103	70-130	
Dibromomethane	ug/L	50	50.2	100	70-131	
Ethylbenzene	ug/L	50	52.6	105	70-130	
Iodomethane	ug/L	100	107	107	49-180	
Methylene Chloride	ug/L	50	54.0	108	63-130	
Styrene	ug/L	50	55.7	111	70-130	
Tetrachloroethene	ug/L	50	48.1	96	70-130	
Toluene	ug/L	50	50.5	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.2	104	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	49J	98	70-141	
Trichloroethene	ug/L	50	56.2	112	70-130	
Trichlorofluoromethane	ug/L	50	52.2	104	62-133	
Vinyl acetate	ug/L	100	88.5	88	66-157	
Vinyl chloride	ug/L	50	56.4	113	69-130	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			92	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 670256 670257

Parameter	Units	92103774002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	66.8	62.7	134	125	70-166	6	
Benzene	ug/L	1.1	50	50	65.5	62.0	129	122	70-148	5	
Chlorobenzene	ug/L	1.1J	50	50	62.3	59.8	122	117	70-146	4	
Toluene	ug/L	ND	50	50	60.9	58.4	122	117	70-155	4	
Trichloroethene	ug/L	ND	50	50	58.7	55.3	117	111	69-151	6	
1,2-Dichloroethane-d4 (S)	%						108	105	70-130		
4-Bromofluorobenzene (S)	%						97	94	70-130		
Dibromofluoromethane (S)	%						105	105	70-130		
Toluene-d8 (S)	%						96	97	70-130		

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QUALIFIERS

Project: AVERY MSW 11-4
Pace Project No.: 92103797

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

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

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

LABORATORIES

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

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: AVERY MSW 11-4
Pace Project No.: 92103797

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92103797001	**SW-1**	EPA 3010	MPRP/9217	EPA 6010	ICP/8526
92103797002	**MW-3**	EPA 3010	MPRP/9217	EPA 6010	ICP/8526
92103797003	**MW-2**	EPA 3010	MPRP/9217	EPA 6010	ICP/8526
92103797004	**SW-2**	EPA 3010	MPRP/9224	EPA 6010	ICP/8531
92103797005	**MW-1**	EPA 3010	MPRP/9224	EPA 6010	ICP/8531
92103797001	**SW-1**	EPA 8260	MSV/16905		
92103797002	**MW-3**	EPA 8260	MSV/16905		
92103797003	**MW-2**	EPA 8260	MSV/16916		
92103797004	**SW-2**	EPA 8260	MSV/16916		
92103797005	**MW-1**	EPA 8260	MSV/16916		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1503676

Section A Required Client Information:

Company: RSG
Address: 14 N. Boylan Ave
Raleigh, NC 27603
Email To: joan@rsgengineers.com
Phone: 919 829 0577 Fax:
Requested Due Date/TAT: NORMAL

Section B Required Project Information:

Report To: Joan Smyth (RSG)
Copy To:
Purchase Order No.: AVERY 11-4
Project Name: AVERY MSW
Project Number: AVERY 11-4

Section C Invoice Information:

Attention: Joan Smyth
Company Name: RSG
Address: SAME
Pace Quote Reference:
Pace Project Manager: KELLY Dillon
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER ~~RAD~~ DWM

Site Location STATE: NC

Solid Waste Section

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

Requested Analysis Filtered (Y/N)

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)	APP I METALS (200.7)	APP I ORGANICS (8260)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1	WT	G			10.4.11	10:52a	11	4			1	3						✓	✓		001
2	MW-3	WT	G			10.4.11	11:00a	12	4			1	3						✓	✓		002
3	MW-2	WT	G			10.4.11	11:10a	13	4			1	3						✓	✓		003
4	SW-2	WT	G			10.4.11	11:18a	10	4			1	3						✓	✓		004
5	MW-1	WT	G			10.4.11	11:26	12	4			1	3						✓	✓		005
6																						
7																						
8																						
9																						
10																						
11																						
12																						

9203197

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	DON MISENHEIMER	10.4.11	5:00p	Pace	10/5/11	0830				
Some thawing	Pace	10/5/11	1530	Pace	10/5	1530				
	PACE	10/5/11	1815	PACE	10/5	1815	58	4	N	4
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DON MISENHEIMER

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 10.4.11

*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.

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: RSGA Project # 92103797

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

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

Thermometer Used: IR Gun T1102 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp. 5.8 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: TMIOS

Temp should be above freezing to 6°C

		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:	☑Yes ☐No ☑N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
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	Initial when completed
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 Review: RLS **Date:** 10/6/11 **SRF Review:** RLS 9W **Date:** 10/6/11

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)