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

RECEIVED
JAN - 9 2015
SOLID WASTE SECTION

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):

TOWN OF CANTON

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

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

E-mail: christopher.derouen@pacelabs.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Town of Canton	State Road 1854 Canton, NC 28716	44-04		12-16-2014

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.

Johnny Gibson — Facility Representative Name (Print)

Crew Leader — Title

(828) 648-2363 — (Area Code) Telephone Number

Johnny Gibson — Signature

01-05-14 — Date

Affix NC Licensed/ Professional Geologist Seal

Town of Canton Public Works Dept. P.O. Box 987 Canton, NC 28716 — Facility Representative Address

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

Revised 6/2009

Pace Analytical®
www.pacelabs.com

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

SAMPLE ACKNOWLEDGMENT

Samples Submitted By: Town of Canton
Client Project ID: Landfill Sampling 12/16
Client PO#:

Pace Project Manager: Chris Derouen
Phone (704)875-9092
christopher.derouen@pacelabs.com
Pace Analytical Project ID: 92229836
Samples Received: December 16, 2014 02:45 PM
Estimated Completion: December 31, 2014

CC: Mr. Johnny Gibson

Customer Sample ID	Pace Analytical Lab ID	Matrix	Date/Time Collected	Method
MW-1	92229836001	Water	12/16/14 13:45	6010 ICP Metals Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver 7470 Mercury 8260 MS Volatiles Field Services Charge Mileage Charge Monitoring Well Data
MW-2	92229836002	Water	12/16/14 13:30	6010 ICP Metals Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver 7470 Mercury 8260 MS Volatiles Monitoring Well Data
SW-1	92229836003	Water	12/16/14 13:10	6010 ICP Metals Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver 7470 Mercury 8260 MS Volatiles Monitoring Well Data
TVL BLK	92229836004	Water	12/16/14 08:05	8260 MS Volatiles
Equip Blk	92229836005	Water	12/16/14 08:10	6010 ICP Metals Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver 7470 Mercury 8260 MS Volatiles

Please contact your project manager if you recognize any discrepancy in this form or have any questions about your project.

Thank you for choosing Pace Analytical Services, Inc.

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

1808994

Section A
Required Client Information:

Company: Town of Canton
Address:
Canton NC
Email To:
Phone: 648-3409 Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Johnny Gibson
Copy To:
Purchase Order No.:
Project Name: Landfill Sampling
Project Number:

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☑ RCRA ☐ OTHER

Site Location STATE: NC

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Static H2O

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	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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: pH Tab 524.2 TTHMs	8260 Full H2O	VOC	Methanol	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1					12-16-14	1345		4			1	3					X	Y	X	X		
2	MW-2					12-16	1320		4			1	3					X	V	X	X		
3	SW-1					12-16	1310		4			1	3					X		V	X		
4																							
5	TVL BLK					12-16-14	805		2				2							Y			
6	EQUIP BLK					12-16	810		3			1	2							Y	X		
7																							
8																							
9																							
10																							
11																							
12																							

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Site pH Temp Specond Turb Comments	X	12-16-14	1400	Mark Clan	12-16-14	1400	
MW-1 5.18 14.4 147 4.82 CLEAR NO ODOR							
MW-2 6.5 12.1 309 1.90 CLEAR NO ODOR							
SW-1 7.3 11.8 1005 2.80 CLEAR SLIGHT ODOR							

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MARK CLEAN

SIGNATURE of SAMPLER: Mark Clan DATE Signed (MM/DD/YY): 12-16-14

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

December 30, 2014

Johnny Gibson
Town of Canton

,

RE: Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Dear Johnny Gibson:
Enclosed are the analytical results for sample(s) received by the laboratory on December 16, 2014. 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,

Chris Derouen
christopher.derouen@pacelabs.com
Project Manager

Enclosures

cc: Mr. Johnny Gibson, Town of Canton

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

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

CERTIFICATIONS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

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

SAMPLE ANALYTE COUNT

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92229836001	MW-1	EPA 6010	JMW	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8260	JDW1	51	PASI-C
92229836002	MW-2	EPA 6010	JMW	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8260	JDW1	51	PASI-C
92229836003	SW-1	EPA 6010	JMW	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8260	JDW1	51	PASI-C
92229836004	TVL BLK	EPA 8260	JDW1	51	PASI-C
92229836005	Equip Blk	EPA 6010	JMW	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8260	JDW1	51	PASI-C

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

Pace Analytical
www.pacelabs.com

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: MW-1 **Lab ID: 92229836001** Collected: 12/16/14 13:45 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**Mark Swann**			1		12/18/14 17:45		
Collected Date	**12/16/14**			1		12/18/14 17:45		
Collected Time	**13:45**			1		12/18/14 17:45		
Field pH	**5.6**	Std. Units	0.10	1		12/18/14 17:45		
Field Temperature	**14.4**	deg C	0.50	1		12/18/14 17:45		
Field Specific Conductance	**147**	umhos/cm	1.0	1		12/18/14 17:45		
Turbidity	**4.82**	NTU	1.0	1		12/18/14 17:45		
Odor	**No Odor**			1		12/18/14 17:45		
Appearance	**Clear**			1		12/18/14 17:45		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:11	7440-38-2	
Barium	**518**	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:11	7440-39-3	
Cadmium	ND	ug/L	1.0	1	12/17/14 15:30	12/18/14 02:11	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:11	7440-47-3	
Lead	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:11	7439-92-1	
Selenium	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:11	7782-49-2	
Silver	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:11	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/17/14 11:05	12/17/14 15:07	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/23/14 22:34	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/23/14 22:34	107-13-1	
Benzene	ND	ug/L	1.0	1		12/23/14 22:34	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/23/14 22:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/23/14 22:34	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/23/14 22:34	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/23/14 22:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/23/14 22:34	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/23/14 22:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/23/14 22:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/23/14 22:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/23/14 22:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/23/14 22:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/23/14 22:34	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/23/14 22:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/14 22:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/23/14 22:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:34	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/23/14 22:34	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:34	107-06-2	

REPORT OF LABORATORY ANALYSIS

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

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: MW-1 **Lab ID: 92229836001** Collected: 12/16/14 13:45 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/23/14 22:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/23/14 22:34	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/23/14 22:34	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/23/14 22:34	74-88-4	
Methylene Chloride	ND	ug/L	2.0	1		12/23/14 22:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/23/14 22:34	108-10-1	
Styrene	ND	ug/L	1.0	1		12/23/14 22:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/23/14 22:34	127-18-4	
Toluene	ND	ug/L	1.0	1		12/23/14 22:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/23/14 22:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/23/14 22:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/23/14 22:34	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/23/14 22:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/23/14 22:34	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/23/14 22:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/23/14 22:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/23/14 22:34	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		12/23/14 22:34	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/23/14 22:34	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		12/23/14 22:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical
www.pacelabs.com

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: MW-2 **Lab ID: 92229836002** Collected: 12/16/14 13:30 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**Mark Swann**			1		12/18/14 17:46		
Collected Date	**12/16/14**			1		12/18/14 17:46		
Collected Time	**13:30**			1		12/18/14 17:46		
Field pH	**6.5**	Std. Units	0.10	1		12/18/14 17:46		
Field Temperature	**12.1**	deg C	0.50	1		12/18/14 17:46		
Field Specific Conductance	**309**	umhos/cm	1.0	1		12/18/14 17:46		
Turbidity	**1.90**	NTU	1.0	1		12/18/14 17:46		
Odor	**No Odor**			1		12/18/14 17:46		
Appearance	**Clear**			1		12/18/14 17:46		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:14	7440-38-2	
Barium	**53.8**	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:14	7440-39-3	
Cadmium	ND	ug/L	1.0	1	12/17/14 15:30	12/18/14 02:14	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:14	7440-47-3	
Lead	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:14	7439-92-1	
Selenium	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:14	7782-49-2	
Silver	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:14	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/17/14 11:05	12/17/14 15:10	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/23/14 22:51	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/23/14 22:51	107-13-1	
Benzene	ND	ug/L	1.0	1		12/23/14 22:51	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/23/14 22:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/23/14 22:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/23/14 22:51	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/23/14 22:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/23/14 22:51	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/23/14 22:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/23/14 22:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/23/14 22:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/23/14 22:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/23/14 22:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/23/14 22:51	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/23/14 22:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/14 22:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/23/14 22:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:51	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/23/14 22:51	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:51	107-06-2	

REPORT OF LABORATORY ANALYSIS

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

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: MW-2 **Lab ID: 92229836002** Collected: 12/16/14 13:30 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/23/14 22:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/23/14 22:51	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/23/14 22:51	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/23/14 22:51	74-88-4	
Methylene Chloride	ND	ug/L	2.0	1		12/23/14 22:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/23/14 22:51	108-10-1	
Styrene	ND	ug/L	1.0	1		12/23/14 22:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/23/14 22:51	127-18-4	
Toluene	ND	ug/L	1.0	1		12/23/14 22:51	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/23/14 22:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/23/14 22:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/23/14 22:51	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/23/14 22:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/23/14 22:51	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/23/14 22:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/23/14 22:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/23/14 22:51	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		12/23/14 22:51	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		12/23/14 22:51	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		12/23/14 22:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: SW-1 **Lab ID: 92229836003** Collected: 12/16/14 13:10 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**Mark Swann**			1		12/18/14 17:47		
Collected Date	**12/16/14**			1		12/18/14 17:47		
Collected Time	**13:10**			1		12/18/14 17:47		
Field pH	**7.3**	Std. Units	0.10	1		12/18/14 17:47		
Field Temperature	**11.8**	deg C	0.50	1		12/18/14 17:47		
Field Specific Conductance	**1705**	umhos/cm	1.0	1		12/18/14 17:47		
Turbidity	**2.80**	NTU	1.0	1		12/18/14 17:47		
Odor	**Slight Odor**			1		12/18/14 17:47		
Appearance	**Clear**			1		12/18/14 17:47		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:18	7440-38-2	
Barium	**420**	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:18	7440-39-3	
Cadmium	ND	ug/L	1.0	1	12/17/14 15:30	12/18/14 02:18	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:18	7440-47-3	
Lead	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:18	7439-92-1	
Selenium	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:18	7782-49-2	
Silver	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:18	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/17/14 11:05	12/17/14 15:12	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/23/14 23:08	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/23/14 23:08	107-13-1	
Benzene	ND	ug/L	1.0	1		12/23/14 23:08	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/23/14 23:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/23/14 23:08	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/23/14 23:08	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/23/14 23:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/23/14 23:08	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/23/14 23:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/23/14 23:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/23/14 23:08	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/23/14 23:08	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/23/14 23:08	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/23/14 23:08	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/23/14 23:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/14 23:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/23/14 23:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 23:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 23:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/23/14 23:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/23/14 23:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/14 23:08	107-06-2	

REPORT OF LABORATORY ANALYSIS

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

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: SW-1 **Lab ID: 92229836003** Collected: 12/16/14 13:10 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1-Dichloroethene	ND	ug/L	1.0	1		12/23/14 23:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 23:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 23:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/23/14 23:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 23:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 23:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/23/14 23:08	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/23/14 23:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/23/14 23:08	74-88-4	
Methylene Chloride	ND	ug/L	2.0	1		12/23/14 23:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/23/14 23:08	108-10-1	
Styrene	ND	ug/L	1.0	1		12/23/14 23:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 23:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 23:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/23/14 23:08	127-18-4	
Toluene	ND	ug/L	1.0	1		12/23/14 23:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/23/14 23:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/23/14 23:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/23/14 23:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/23/14 23:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/23/14 23:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/23/14 23:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/23/14 23:08	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/23/14 23:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/23/14 23:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/23/14 23:08	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	1		12/23/14 23:08	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		12/23/14 23:08	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		12/23/14 23:08	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.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: TVL BLK **Lab ID: 92229836004** Collected: 12/16/14 08:05 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/23/14 22:00	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/23/14 22:00	107-13-1	
Benzene	ND	ug/L	1.0	1		12/23/14 22:00	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/23/14 22:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/23/14 22:00	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/23/14 22:00	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/23/14 22:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/23/14 22:00	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/23/14 22:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/23/14 22:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/23/14 22:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/23/14 22:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/23/14 22:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/23/14 22:00	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/23/14 22:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/14 22:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/23/14 22:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:00	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/23/14 22:00	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/23/14 22:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:00	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/23/14 22:00	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/23/14 22:00	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/23/14 22:00	74-88-4	
Methylene Chloride	ND	ug/L	2.0	1		12/23/14 22:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/23/14 22:00	108-10-1	
Styrene	ND	ug/L	1.0	1		12/23/14 22:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/23/14 22:00	127-18-4	
Toluene	ND	ug/L	1.0	1		12/23/14 22:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/23/14 22:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/23/14 22:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/23/14 22:00	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/23/14 22:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/23/14 22:00	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/23/14 22:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/23/14 22:00	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: TVL BLK **Lab ID: 92229836004** Collected: 12/16/14 08:05 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
o-Xylene	ND	ug/L	1.0	1		12/23/14 22:00	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		12/23/14 22:00	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		12/23/14 22:00	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		12/23/14 22:00	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.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: Equip Blk **Lab ID: 92229836005** Collected: 12/16/14 08:10 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:21	7440-38-2	
Barium	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:21	7440-39-3	
Cadmium	ND	ug/L	1.0	1	12/17/14 15:30	12/18/14 02:21	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:21	7440-47-3	
Lead	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:21	7439-92-1	
Selenium	ND	ug/L	10.0	1	12/17/14 15:30	12/18/14 02:21	7782-49-2	
Silver	ND	ug/L	5.0	1	12/17/14 15:30	12/18/14 02:21	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/17/14 11:05	12/17/14 15:15	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/23/14 22:17	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/23/14 22:17	107-13-1	
Benzene	ND	ug/L	1.0	1		12/23/14 22:17	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/23/14 22:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/23/14 22:17	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/23/14 22:17	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/23/14 22:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/23/14 22:17	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/23/14 22:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/23/14 22:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/23/14 22:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/23/14 22:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/23/14 22:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/23/14 22:17	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/23/14 22:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/14 22:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/23/14 22:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:17	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/23/14 22:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/23/14 22:17	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/14 22:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/23/14 22:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/23/14 22:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/23/14 22:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/23/14 22:17	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/23/14 22:17	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/23/14 22:17	74-88-4	
Methylene Chloride	ND	ug/L	2.0	1		12/23/14 22:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/23/14 22:17	108-10-1	
Styrene	ND	ug/L	1.0	1		12/23/14 22:17	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

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

ANALYTICAL RESULTS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Sample: Equip Blk **Lab ID: 92229836005** Collected: 12/16/14 08:10 Received: 12/16/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/23/14 22:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/23/14 22:17	127-18-4	
Toluene	ND	ug/L	1.0	1		12/23/14 22:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/23/14 22:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/23/14 22:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/23/14 22:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/23/14 22:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/23/14 22:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/23/14 22:17	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		12/23/14 22:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		12/23/14 22:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/23/14 22:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		12/23/14 22:17	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		12/23/14 22:17	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		12/23/14 22:17	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.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

QUALITY CONTROL DATA

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

QC Batch: MERP/7416 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92229836001, 92229836002, 92229836003, 92229836005

METHOD BLANK: 1353785 Matrix: Water
Associated Lab Samples: 92229836001, 92229836002, 92229836003, 92229836005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/17/14 14:36	

LABORATORY CONTROL SAMPLE: 1353786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1353787 1353788

Parameter	Units	92229454001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.7	2.7	101	101	75-125	1	

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.

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical
www.pacelabs.com

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

QUALITY CONTROL DATA

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

QC Batch: MPRP/17577 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92229836001, 92229836002, 92229836003, 92229836005

METHOD BLANK: 1354283 Matrix: Water
Associated Lab Samples: 92229836001, 92229836002, 92229836003, 92229836005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	12/18/14 01:03	
Barium	ug/L	ND	5.0	12/18/14 01:03	
Cadmium	ug/L	ND	1.0	12/18/14 01:03	
Chromium	ug/L	ND	5.0	12/18/14 01:03	
Lead	ug/L	ND	5.0	12/18/14 01:03	
Selenium	ug/L	ND	10.0	12/18/14 01:03	
Silver	ug/L	ND	5.0	12/18/14 01:03	

LABORATORY CONTROL SAMPLE: 1354284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	461	92	80-120	
Barium	ug/L	500	467	93	80-120	
Cadmium	ug/L	500	471	94	80-120	
Chromium	ug/L	500	476	95	80-120	
Lead	ug/L	500	477	95	80-120	
Selenium	ug/L	500	468	94	80-120	
Silver	ug/L	250	234	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1354285 1354286

Parameter	Units	92229578008 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	486	490	97	98	75-125	1	
Barium	ug/L	87.2J	500	500	562	562	95	95	75-125	0	
Cadmium	ug/L	ND	500	500	486	482	97	96	75-125	1	
Chromium	ug/L	ND	500	500	491	488	98	98	75-125	1	
Lead	ug/L	ND	500	500	479	474	96	94	75-125	1	
Selenium	ug/L	ND	500	500	487	478	96	95	75-125	2	
Silver	ug/L	ND	250	250	242	240	97	96	75-125	1	

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.

REPORT OF LABORATORY ANALYSIS

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

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

QUALITY CONTROL DATA

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

QC Batch: MSV/29794 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92229836001, 92229836002, 92229836003, 92229836004, 92229836005

METHOD BLANK: 1358570 Matrix: Water
Associated Lab Samples: 92229836001, 92229836002, 92229836003, 92229836004, 92229836005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/23/14 21:26	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/23/14 21:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/23/14 21:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/23/14 21:26	
1,1-Dichloroethane	ug/L	ND	1.0	12/23/14 21:26	
1,1-Dichloroethene	ug/L	ND	1.0	12/23/14 21:26	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/23/14 21:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/23/14 21:26	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/23/14 21:26	
1,2-Dichloroethane	ug/L	ND	1.0	12/23/14 21:26	
1,2-Dichloropropane	ug/L	ND	1.0	12/23/14 21:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/23/14 21:26	
2-Butanone (MEK)	ug/L	ND	5.0	12/23/14 21:26	
2-Hexanone	ug/L	ND	5.0	12/23/14 21:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/23/14 21:26	
Acetone	ug/L	ND	25.0	12/23/14 21:26	
Acrylonitrile	ug/L	ND	10.0	12/23/14 21:26	
Benzene	ug/L	ND	1.0	12/23/14 21:26	
Bromochloromethane	ug/L	ND	1.0	12/23/14 21:26	
Bromodichloromethane	ug/L	ND	1.0	12/23/14 21:26	
Bromoform	ug/L	ND	1.0	12/23/14 21:26	
Bromomethane	ug/L	ND	2.0	12/23/14 21:26	
Carbon disulfide	ug/L	ND	2.0	12/23/14 21:26	
Carbon tetrachloride	ug/L	ND	1.0	12/23/14 21:26	
Chlorobenzene	ug/L	ND	1.0	12/23/14 21:26	
Chloroethane	ug/L	ND	1.0	12/23/14 21:26	
Chloroform	ug/L	ND	1.0	12/23/14 21:26	
Chloromethane	ug/L	ND	1.0	12/23/14 21:26	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/23/14 21:26	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/23/14 21:26	
Dibromochloromethane	ug/L	ND	1.0	12/23/14 21:26	
Dibromomethane	ug/L	ND	1.0	12/23/14 21:26	
Ethylbenzene	ug/L	ND	1.0	12/23/14 21:26	
Iodomethane	ug/L	ND	5.0	12/23/14 21:26	
m&p-Xylene	ug/L	ND	2.0	12/23/14 21:26	
Methylene Chloride	ug/L	ND	2.0	12/23/14 21:26	
o-Xylene	ug/L	ND	1.0	12/23/14 21:26	
Styrene	ug/L	ND	1.0	12/23/14 21:26	
Tetrachloroethene	ug/L	ND	1.0	12/23/14 21:26	
Toluene	ug/L	ND	1.0	12/23/14 21:26	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/23/14 21:26	

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.

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical
www.pacelabs.com

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

QUALITY CONTROL DATA

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

METHOD BLANK: 1358570 Matrix: Water
Associated Lab Samples: 92229836001, 92229836002, 92229836003, 92229836004, 92229836005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/23/14 21:26	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	12/23/14 21:26	
Trichloroethene	ug/L	ND	1.0	12/23/14 21:26	
Trichlorofluoromethane	ug/L	ND	1.0	12/23/14 21:26	
Vinyl acetate	ug/L	ND	2.0	12/23/14 21:26	
Vinyl chloride	ug/L	ND	1.0	12/23/14 21:26	
Xylene (Total)	ug/L	ND	2.0	12/23/14 21:26	
1,2-Dichloroethane-d4 (S)	%	102	70-130	12/23/14 21:26	
4-Bromofluorobenzene (S)	%	102	70-130	12/23/14 21:26	
Toluene-d8 (S)	%	98	70-130	12/23/14 21:26	

LABORATORY CONTROL SAMPLE: 1358571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.9	112	70-130	
1,1,1-Trichloroethane	ug/L	50	55.0	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.9	98	70-130	
1,1,2-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethane	ug/L	50	54.2	108	70-130	
1,1-Dichloroethene	ug/L	50	55.6	111	70-132	
1,2,3-Trichloropropane	ug/L	50	47.6	95	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.4	107	70-130	
1,2-Dichlorobenzene	ug/L	50	50.3	101	70-130	
1,2-Dichloroethane	ug/L	50	50.5	101	70-130	
1,2-Dichloropropane	ug/L	50	50.6	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.2	100	70-130	
2-Butanone (MEK)	ug/L	100	84.1	84	70-145	
2-Hexanone	ug/L	100	92.9	93	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.2	96	70-140	
Acetone	ug/L	100	87.0	87	50-175	
Acrylonitrile	ug/L	250	232	93	70-143	
Benzene	ug/L	50	53.0	106	70-130	
Bromochloromethane	ug/L	50	54.6	109	70-130	
Bromodichloromethane	ug/L	50	55.1	110	70-130	
Bromoform	ug/L	50	49.4	99	70-130	
Bromomethane	ug/L	50	50.2	100	54-130	
Carbon disulfide	ug/L	50	45.1	90	70-131	
Carbon tetrachloride	ug/L	50	58.0	116	70-132	
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	57.5	115	64-134	
Chloroform	ug/L	50	51.7	103	70-130	
Chloromethane	ug/L	50	54.6	109	64-130	
cis-1,2-Dichloroethene	ug/L	50	53.9	108	70-131	
cis-1,3-Dichloropropene	ug/L	50	54.1	108	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.

REPORT OF LABORATORY ANALYSIS

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

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

QUALITY CONTROL DATA

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

LABORATORY CONTROL SAMPLE: 1358571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	50.3	101	70-130	
Dibromomethane	ug/L	50	51.7	103	70-131	
Ethylbenzene	ug/L	50	51.9	104	70-130	
Iodomethane	ug/L	100	99.0	99	49-180	
m&p-Xylene	ug/L	100	100	100	70-130	
Methylene Chloride	ug/L	50	52.0	104	63-130	
o-Xylene	ug/L	50	51.5	103	70-130	
Styrene	ug/L	50	54.5	109	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	52.4	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	56.0	112	70-130	
trans-1,3-Dichloropropene	ug/L	50	56.1	112	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	48.2	96	70-141	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	55.6	111	62-133	
Vinyl acetate	ug/L	100	94.8	95	66-157	
Vinyl chloride	ug/L	50	51.8	104	50-150	
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 1358572

Parameter	Units	92230130011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	22.3	112	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	22.9	115	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.0	110	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	22.2	111	70-130	
1,1-Dichloroethane	ug/L	ND	20	23.5	118	70-130	
1,1-Dichloroethene	ug/L	ND	20	24.0	120	70-166	
1,2,3-Trichloropropane	ug/L	ND	20	21.5	107	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	22.7	114	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	22.1	111	70-130	
1,2-Dichloroethane	ug/L	ND	20	21.1	105	70-130	
1,2-Dichloropropane	ug/L	ND	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	22.3	112	70-130	
2-Butanone (MEK)	ug/L	ND	40	42.3	106	70-130	
2-Hexanone	ug/L	ND	40	44.6	112	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	43.2	108	70-130	
Acetone	ug/L	ND	40	42.8	107	70-130	
Acrylonitrile	ug/L	ND	100	113	113	70-130	
Benzene	ug/L	ND	20	23.1	115	70-148	
Bromochloromethane	ug/L	ND	20	23.6	118	70-130	
Bromodichloromethane	ug/L	ND	20	21.7	109	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.

REPORT OF LABORATORY ANALYSIS

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

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

QUALITY CONTROL DATA

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

MATRIX SPIKE SAMPLE: 1358572

Parameter	Units	92230130011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	ND	20	20.8	104	70-130	
Bromomethane	ug/L	ND	20	26.3	132	70-130	M1
Carbon disulfide	ug/L	ND	20	21.1	105	70-130	
Carbon tetrachloride	ug/L	ND	20	23.3	117	70-130	
Chlorobenzene	ug/L	ND	20	22.6	113	70-146	
Chloroethane	ug/L	ND	20	26.2	131	70-130	M1
Chloroform	ug/L	ND	20	22.9	114	70-130	
Chloromethane	ug/L	ND	20	26.2	131	70-130	M1
cis-1,2-Dichloroethene	ug/L	ND	20	23.6	118	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	20.8	104	70-130	
Dibromochloromethane	ug/L	ND	20	21.0	105	70-130	
Dibromomethane	ug/L	ND	20	20.9	104	70-130	
Ethylbenzene	ug/L	ND	20	22.2	111	70-130	
Iodomethane	ug/L	ND	40	32.1	80	70-130	
m&p-Xylene	ug/L	ND	40	44.0	110	70-130	
Methylene Chloride	ug/L	ND	20	23.0	113	70-130	
o-Xylene	ug/L	ND	20	22.1	110	70-130	
Styrene	ug/L	ND	20	23.2	116	70-130	
Tetrachloroethene	ug/L	ND	20	22.0	109	70-130	
Toluene	ug/L	ND	20	22.3	112	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	24.2	121	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	21.5	107	70-130	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	21.2	106	70-130	
Trichloroethene	ug/L	ND	20	22.1	111	69-151	
Trichlorofluoromethane	ug/L	ND	20	23.2	116	70-130	
Vinyl acetate	ug/L	ND	40	37.8	95	70-130	
Vinyl chloride	ug/L	ND	20	22.8	114	70-130	
1,2-Dichloroethane-d4 (S)	%				95	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1358573

Parameter	Units	92230130012 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		

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.

REPORT OF LABORATORY ANALYSIS

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

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

QUALITY CONTROL DATA

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

SAMPLE DUPLICATE: 1358573

Parameter	Units	92230130012 Result	Dup Result	RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		
2-Hexanone	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Acrylonitrile	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		
Carbon disulfide	ug/L	ND	1.8J		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	.49J		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Iodomethane	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	.63J		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	110	110	0	
4-Bromofluorobenzene (S)	%	100	99	0	
Toluene-d8 (S)	%	98	97	1	

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.

REPORT OF LABORATORY ANALYSIS

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

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

QUALIFIERS

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

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.

PQL - Practical Quantitation Limit.

RL - Reporting 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.

TNI - The NELAC Institute.

LABORATORIES

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

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Landfill Sampling 12/16
Pace Project No.: 92229836

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92229836001	**MW-1**		FLD/		
92229836002	**MW-2**		FLD/		
92229836003	**SW-1**		FLD/		
92229836001	**MW-1**	EPA 3010	MPRP/17577	EPA 6010	ICP/15832
92229836002	**MW-2**	EPA 3010	MPRP/17577	EPA 6010	ICP/15832
92229836003	**SW-1**	EPA 3010	MPRP/17577	EPA 6010	ICP/15832
92229836005	**Equip Blk**	EPA 3010	MPRP/17577	EPA 6010	ICP/15832
92229836001	**MW-1**	EPA 7470	MERP/7416	EPA 7470	MERC/7123
92229836002	**MW-2**	EPA 7470	MERP/7416	EPA 7470	MERC/7123
92229836003	**SW-1**	EPA 7470	MERP/7416	EPA 7470	MERC/7123
92229836005	**Equip Blk**	EPA 7470	MERP/7416	EPA 7470	MERC/7123
92229836001	**MW-1**	EPA 8260	MSV/29794		
92229836002	**MW-2**	EPA 8260	MSV/29794		
92229836003	**SW-1**	EPA 8260	MSV/29794		
92229836004	**TVL BLK**	EPA 8260	MSV/29794		
92229836005	**Equip Blk**	EPA 8260	MSV/29794		

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

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

1808994

Section A Required Client Information:

Company:	Town of Canton
Address:	Canton NC
Email To:	
Phone:	646-3409
Fax:	
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Johnny Gibson
Copy To:	
Purchase Order No.:	
Project Name:	Landfill Sampling
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
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

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	Static H2O	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	pH Temp Specs Turb	Static H2O	VOC	Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	77.30'					12-16-14	1345		4			1	3						X	X	X	X		92229836-001
2	MW-2	6.82'					12-16	1330		4			1	3						X	V	X	X		002
3	SW-1						12-16	1310		4			1	3						X		V	X		003
4																									
5	TVL BLK						12-16-14	805		2				2								X			004
6	Equip BLK						12-16	810		3		3	1	2								X	X		005
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS

Site	pH	Temp	Spcond	Turb	Comments
MW-1	5.6	14.4	147	4.82	CLEAR NO ODOR
MW-2	6.5	12.1	309	1.90	CLEAR NO ODOR
SW-1	7.3	11.8	1305	2.80	CLEAR SLIGHT ODOR

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)
	12-16-14	1400	[signature] Pass	12-16-14	1400				
[signature] Pass	12-16-14	1445	[signature]	12/16/14	1445	3.7	Y	N	Y

- 45 miles
- 3 hours
Bailers + Rs PC $40

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MARK CSWAN

SIGNATURE of SAMPLER: [signature] Pass

DATE Signed (MM/DD/YY): 12-16-14

*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 www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 10, 2014 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.14	Issuing Authorities: Pace Asheville Quality Office

Client Name: Town of Canton

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_____

Thermometer Used: IR Gun#3 -130265963 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun #4 SN:140290365 Other:_____

Temp Correction Factor: Add / Subtract 0 C

Corrected Cooler Temp.: 3.7 C Biological Tissue is Frozen: Yes No (N/A)

Temp should be above freezing to 6°C Comments:

Date and Initials of person examining contents: 12/16/14 S.S.

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: WW		
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 Review: Date: 12/17/14

SRF Review: Date: 12/17/14

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)

WO#: 92229836

92229836