Semi-Annual Water Quality Monitoring and Statistical Analysis Report

Prepared for

Wayne County Subtitle D Lined MSWLF
Dudley, North Carolina

February 2011

Permit Number: 96-06
MESCO Project Number: G10016.0

Submittal Date: April 27, 2011

Municipal Services Garner, NC
Engineering Company, P.A. Boone, NC
Municipal Engineering Services Company, P.A.
Garner, Boone and Morehead City, North Carolina

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):

Municipal Engineering Services Co., PA

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

Name: Jonathan Pfohl Phone: (919) 772-5393

E-mail: jpfohl@mesco.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Wayne County Subtitle D Lined MSWLF, Phases 1 & 2	460-B South Landfill Road Dudley, NC 28333	96-06	.1600	February 7-9, 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 — Professional Geologist — (919) 772-5393

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

Signature — 4/27/2011 Date — Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED 2275 4/27/2011 GEOLOGIST MADELINE GERMAN

P.O. Box 97, Garner NC 27529

Facility Representative Address

C-0281

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

Revised 6/2009

TABLE OF CONTENTS

SECTION	PAGE
Introduction	1
Sampling Procedures	1
Field Parameter Data	2
Laboratory Results	2
Quality Control Samples	2
Groundwater Samples	2
Surfacewater Samples	2
Leachate Samples	2
Statistical Analysis	2
Groundwater and Surface Water Characterization	2
Findings	3
Closing	3

PLATES

Plate 1 ..... Topographic Map with Site Location
Plate 2 ..... Potentiometric Map of Uppermost Aquifer

TABLES

Table 1 ..... Detections in Water Samples Above SWSL, GWP, 2L, or 2B
Table 2 ..... Detections in Leachate Samples Above SWSL
Table 3 ..... Hydrologic Properties at Monitoring Well Locations
Table 4 ..... Field Observations of Monitoring Locations
Table 5 ..... Field Parameter Data Summary

APPENDICIES

Appendix A ..... Statistical Analysis
Appendix B ..... Laboratory Analysis Report, Chains of Custody, and Field Data Sheet(s)

OPERATION/CONSTRUCTION MANAGERS

CIVIL/SANITARY ENGINEERS

Municipal Services

Engineering Company, P.A.

April 27, 2011

Ms. Jaclynne Drummond
Solid Waste Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Re: Semi-Annual Water Quality and Statistical Analysis Report
Wayne County Subtitle D Lined MSWLF
Permit No. 96-06
MESCO Project No. G10016.0

Dear Ms. Drummond:

Introduction

The Wayne County Subtitle D Lined Municipal Solid Waste Landfill (MSWLF) located near Dudley NC, currently operating under permit #96-06 (Phases 1 & 2) is required to submit semi-annual compliance and statistical analysis reports as a condition of the water quality monitoring program. The lined MSWLF encompasses contiguous Phases 1 and 2; which are treated as a single unit for continuity in reporting. Municipal Engineering Services Company, P.A. (MESCO) of Garner NC performed this monitoring event on February 7-9, 2011 in accordance with the semi-annual monitoring schedule prescribed by the NC Solid Waste Section (SWS) rules/regulations as promulgated in 15A NCAC 13B.1600. The site location topographic map is depicted in **Plate 1**.

As specified in 15A NCAC 13B.1632(j) and the SWS Environmental Monitoring Report Form, this report contains sampling procedures, field and laboratory results, groundwater and surface water characterization, and findings. Detections compared to standards tables, hyrdrogeologic properties table, a monitoring network field observations table, field parameter data results, potentiometric map, statistical analysis, quality assurance/quality control data, and laboratory analytical data results with chain-of-custody (C-O-C) are included.

Sampling Procedure

Samples were collected in accordance with the approved Sampling & Analysis Plan (SAP) in the *Wayne County Landfill, Phase 2 Design Hydrogeologic Study* originally submitted December 8, 2003. The site specific SAP includes water sample collection and analysis from twelve downgradient groundwater monitoring wells (MW-2 through MW-13), one background well (MW-1), four surface water locations (SW-2, SW-3, SW-4 and SW-5) and leachate samples from five separate sumps/pump stations (LE-1, LE-2, LS-4, LS-5 and LS-6). Surfacewater point SW-1, located downstream of SW-3, monitors the unnamed tributary of Edward's Branch as part of the Active C&D and Closed MSWLF SAP; sampling results are presented as supplementary data due to the shared discharge features. Quality control measures, which included submittal and analysis of equipment blank samples (EB), field blank samples (FB), and trip blank samples (TB) were also reported. Monitoring locations are depicted on the single-day potentiometric map, **Plate 2**.

Monitoring location function and integrity were visually evaluated; inspection documentation is provided in **Table 4**. The depth to water in each well was electronically gaged prior to purging to quantify the static water level elevation. Low-flow pumping methodology or bailing was used to adequately purge the wells to a minimum of three times the volume of standing water in the well or until dry. Field parameters (dissolved oxygen, oxidation-reduction potential, total dissolved solids, and visual turbidity) were recorded during purging, in addition to the required pH, specific conductance and temperature. The samples were then placed into laboratory-prepared, pre-

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preserved containers via a new disposable polyethylene bailer. Samples were collected/separated based on likelihood of potential cross-contamination, kept on ice, and transported to a NC-certified laboratory under proper C-O-C protocol within the specified hold times for each analysis.

Field Parameter Data

A field parameter summary is presented as **Table 5.** Field sampling data sheets are presented in **Appendix B**.

Laboratory Results

Pace Analytical Laboratories (PACE) of Huntersville and Asheville, NC performed the laboratory analysis. Groundwater, surface water, and quality control samples were analyzed for the Appendix I list of volatile organic compounds (VOCs) via EPA Test Method 8260 and total unfiltered metals via EPA Test Method 6010. Leachate samples were analyzed for a leachate specific list that includes Appendix I parameters, nitrate, phosphorus, chemical oxygen demand, biological oxygen demand, sulfate, and pH.

Water samples were analyzed to the laboratory-established Method Detection Limits (MDL), which are at or below the current Solid Waste Section Limit (SWSL). **Table 1** summarizes constituents detected in groundwater and surface water samples above the current SWSL, Groundwater Protection Standards (GWP), North Carolina Groundwater Standards (2L) or the applicable North Carolina Surface Water Standards (2B) for a class C waterbody. **Table 2** summarizes the detections in the leachate samples. Laboratory results and C-O-Cs are presented in **Appendix B**.

Quality Control Samples

Total zinc was detected in a concentration over the SWSL in the quality control EB. Although this blank qualified detection was identified, it appears to not effect the data set with false positives or high bias attributed to field and/or laboratory artifact contamination.

Groundwater Samples

Total chromium and cadmium were detected above their respective 2L Standards in the upgradient background well, MW-1. No VOCs were detected in quantifiable concentrations in groundwater samples.

Surfacewater Samples

Total silver was detected in a low, non-quantifiable concentration exceeding the 2B Standard in SW-2 and SW-3. VOCs, were not detected in quantifiable concentrations in surfacewater samples.

Leachate Samples

Leachate samples contained quantifiable concentrations of nine different VOCs and six metals. The numbers and concentrations of detections are not grossly elevated and are generally consistent with historical results.

Statistical Analysis

Statistical analysis was performed on constituents detected in quantifiable concentrations (above SWSL) in the groundwater samples. The statistical comparison between baseline and current groundwater analytical data is consistent with US EPA guidance documents and meets or exceeds the performance criteria specified in 15A NCAC 13B.1362. An overview of the statistical analysis methodologies, summary tables, graphs, and worksheets are presented in **Appendix A**.

Low metal detections are consistent with historical results. Interwell analysis indicated that cobalt, in MW-2 and MW-3, was detected in elevated concentrations compared to background levels established by MW-1. Intra-well analysis could not be performed for cobalt since the constituent has rarely been detected.

Groundwater and Surface Water Characterization

MESCO prepared a single-day potentiometric map using groundwater elevation data from the uppermost aquifer collected during this event (**Plate 2**). Groundwater flow rates and directions were calculated and are included on

Table 3. Groundwater generally flows northeasterly towards Edward's Branch, which serves as the local discharge feature. Groundwater flow rates ranged from approximately 1 foot/year (MW-9) to 78 feet/year (MW-13) averaging approximately 22 feet/year. Streams located within the facility boundaries were visually observed at normal seasonal volume and flow.

Findings

The laboratory results and statistical analysis of February 2011 samples indicate that the groundwater and surface waters have not been impacted by landfill activities.

Although cobalt exhibited a SSI in MW-2 and MW-3, via interwell analysis, the concentrations are below the GWP Standard. Cobalt is likely not attributed to leachate but is natural in origin. Cobalt has not been detected in concentrations above the GWP in the leachate sump LS-5, located closest to MW-2 and MW-3.

The low, non quantifiable total silver concentrations detected in SW-2 and SW-3 was not attributed to a leachate release but rather naturally inherent in the local geochemistry. Silver was not detected in SW-1, located further downstream of SW-2 and SW-3, indicating possible elevated concentration are within the facility boundaries.

Closing

Wayne County will continue semi-annual monitoring. The next event is tentatively scheduled for August 2011. If you have questions or comments regarding this report, please contact us by phone at (919) 772-5393 or by email at jpfohl@mesco.com or mgerman@mesco.com.

Sincerely,
MUNICIPAL ENGINEERING SERVICES CO., P.A.

Madeline German, PG *for*
Jonathan Pfohl
Environmental Specialist

NORTH CAROLINA LICENSED SEAL 2275 4/27/2011 GEOLOGIST MADELINE GERMAN

Enclosures

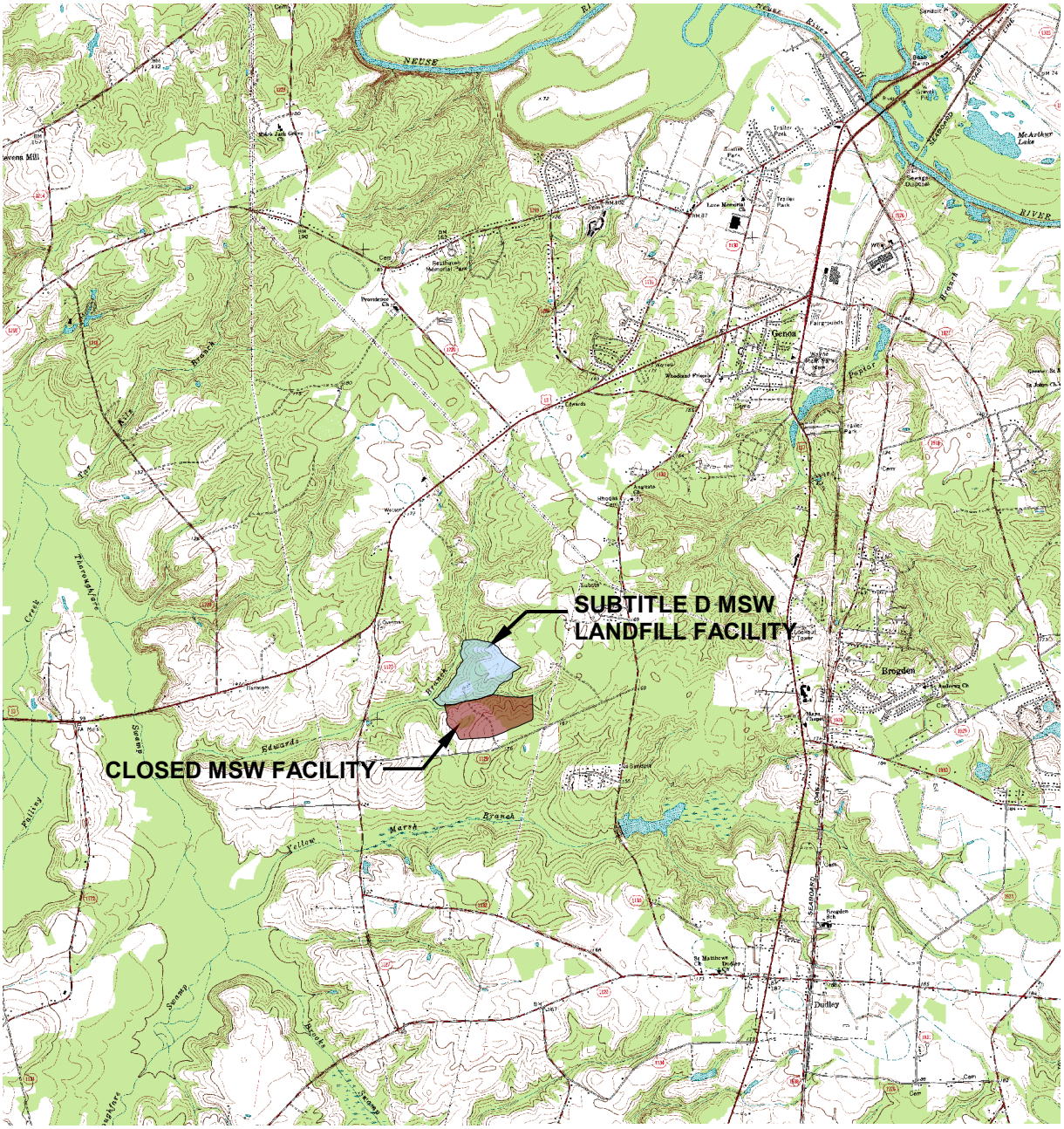
cc: Mr. Tim Rogers
Wayne County

Plates

PLATE 1

Topographic Map with Site Location

Wayne County North Carolina (Dudley)



ROAD CLASSIFICATION

Primary highway, hard surface

Light-duty road, hard or improved surface

Secondary highway, hard surface

Unimproved road

Interstate Route

U. S. Route

State Route

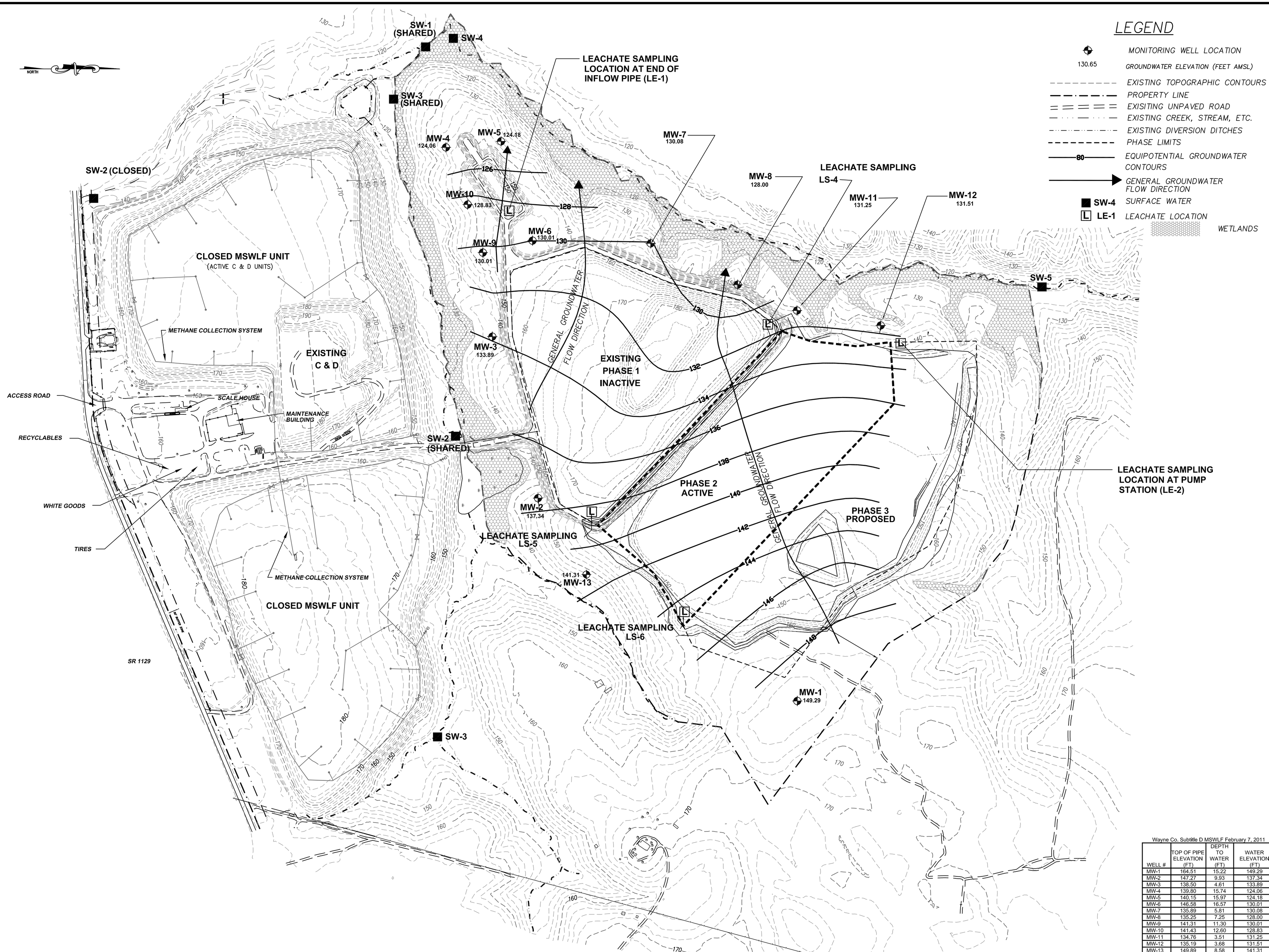
1 0 1 MILE

N

Municipal Services Engineering Company

Garner, NC Boone, NC

Municipal Engineering Services Company, PA



Wayne Co. Subtitle D MSWLF February 7, 2011

WELL #	TOP OF PIPE ELEVATION (FT)	DEPTH TO WATER (FT)	WATER ELEVATION (FT)
MW-1	164.51	15.22	149.29
MW-2	147.27	9.93	137.34
MW-3	138.50	4.61	133.89
MW-4	139.80	15.74	124.06
MW-5	140.15	15.97	124.18
MW-6	146.58	16.57	130.01
MW-7	135.89	5.81	130.08
MW-8	135.25	7.25	128.00
MW-9	141.31	11.30	130.01
MW-10	141.43	12.60	128.83
MW-11	134.76	3.51	131.25
MW-12	135.19	3.68	131.51
MW-13	149.89	8.58	141.31

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LICENSE NUMBER: C-0281

SUBTITLE D LINED MSWLF FACILITY
WAYNE COUNTY NORTH CAROLINA

REV.	BY	DESCRIPTION
1	GHS/LH	BASEMAP CREATED
	1-26-96	

SINGLE DAY POTENTIOMETRIC MAP
UPPERMOST AQUIFER FEB. 7, 2011

SCALE: 1" = 200'
DATE: 3/17/11
DRWN. BY: R. MOSS
CHKD. BY: M. GERMAN
PROJECT NUMBER G10016
DRAWING NO. PLATE 2
SHEET NO. 1 OF 1

Tables

Table 1
Detections in Water Samples Above SWSL, GWP, 2L, or 2B
February 7-9, 2011

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-1	**Chromium**	**2/8/11**	**18.6**	**ug/L**	**0.4**	**10**	**10**			**8.6**	**B, N**
MW-1	Vanadium	2/8/11	48.3	ug/L	0.2	25			3.5	44.8	
MW-1	**Cadmium**	**2/8/11**	**2.8**	**ug/L**	**0.5**	**1**	**1.75**			**1.05**	**B, N**
MW-1	Zinc	2/8/11	11.4	ug/L	0.4	10	1050				
MW-2	Cadmium	2/8/11	1.5	ug/L	0.5	1	1.75				
MW-2	Cobalt	2/8/11	54.1	ug/L	0.6	10			70		
MW-2	Zinc	2/8/11	18.7	ug/L	0.4	10	1050				
MW-3	Cobalt	2/7/11	19.8	ug/L	0.6	10			70		
MW-3	Vanadium	2/7/11	4.9 j	ug/L	0.2	25			3.5	1.4	
MW-6	Vanadium	2/7/11	4.3 j	ug/L	0.2	25			3.5	0.8	
MW-6	Zinc	2/7/11	27	ug/L	0.4	10	1050				
MW-7	Thallium	2/7/11	5.2 j	ug/L	3	5.5			0.28	4.92	
MW-7	Zinc	2/7/11	36.1	ug/L	0.4	10	1050				
MW-10	Thallium	2/8/11	8.7 j	ug/L	3	5.5			0.28	8.42	
MW-12	Cadmium	2/8/11	1	ug/L	0.5	1	1.75				
MW-13	Cadmium	2/8/11	1.4	ug/L	0.5	1	1.75				
SW-1	Barium	2/8/11	187	ug/L	0.2	100		200000			
SW-1	Zinc	2/8/11	11.5	ug/L	0.4	10					
SW-2	**Silver**	**2/8/11**	**0.11 j**	**ug/L**	**0.1**	**10**		**0.06**		**0.05**	**N**
SW-3	**Silver**	**2/8/11**	**0.13 j**	**ug/L**	**0.1**	**10**		**0.06**		**0.07**	**N**
SW-3	Zinc	2/8/11	12.9	ug/L	0.4	10		50			
SW-3	Barium	2/8/11	224	ug/L	0.2	100		200000			
SW-4	Barium	2/8/11	224	ug/L	0.2	100		200000			
SW-5	Barium	2/8/11	227	ug/L	0.2	100		200000			
EB	Zinc	2/9/11	32.6	ug/L	0.4	10	1050				

[1] Table contains Appendix I constituents detected above SWSL, GWP, 2L, or 2B

[2] MDL = Method Detection Limit

[3] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)

[4] 2L = North Carolina 15A NCAC 2L Groundwater Qualtity Standard (Current as of Sampling Event)

[5] 2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification (Current as of Sampling Event)

[6] GWP = Groundwater Protection Standard (Current as of Sampling Event)

j =The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.

N = Natural from erosion of natural deposits

B = Background

BOLD = Concentration > 2L, or 2B Standard (Current as of Sampling Event)

Table 2
Detections in Leachate Samples above SWSL
February 8, 2011

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]
LE-1	1,4-Dichlorobenzene	2/8/11	4.4	ug/L	0.33	1
LE-1	Arsenic	2/8/11	18.4	ug/L	2.7	10
LE-1	Barium	2/8/11	489	ug/L	0.2	100
LE-1	Benzene	2/8/11	2.3	ug/L	0.25	1
LE-1	BOD, 5 day	2/8/11	39200	ug/L	2000	NE
LE-1	Chromium	2/8/11	25.6	ug/L	0.4	10
LE-1	COD	2/8/11	246000	ug/L	25000	NE
LE-1	Copper	2/8/11	77.9	ug/L	0.3	10
LE-1	Ethylbenzene	2/8/11	13.6	ug/L	0.3	1
LE-1	PH (Lab)	2/8/11	7	Std. Units		
LE-1	Phosphorus	2/8/11	1840	ug/L	100	NE
LE-1	Sulfate	2/8/11	52500	ug/L	25000	250000
LE-1	Toluene	2/8/11	14.2	ug/L	0.26	1
LE-1	Xylene (Total)	2/8/11	53.2	ug/L	0.66	5
LE-1	Zinc	2/8/11	128	ug/L	0.4	10
LE-2	1,4-Dichlorobenzene	2/8/11	1.5	ug/L	0.33	1
LE-2	Arsenic	2/8/11	13.6	ug/L	2.7	10
LE-2	Barium	2/8/11	259	ug/L	0.2	100
LE-2	Benzene	2/8/11	6.1	ug/L	0.25	1
LE-2	BOD, 5 day	2/8/11	37400	ug/L	2000	NE
LE-2	Chromium	2/8/11	18.1	ug/L	0.4	10
LE-2	Cobalt	2/8/11	39.2	ug/L	0.6	10
LE-2	COD	2/8/11	583000	ug/L	25000	NE
LE-2	Copper	2/8/11	15.1	ug/L	0.3	10
LE-2	Ethylbenzene	2/8/11	10.3	ug/L	0.3	1
LE-2	Nickel	2/8/11	57.1	ug/L	1.7	50
LE-2	PH (Lab)	2/8/11	7.1	Std. Units		
LE-2	Phosphorus	2/8/11	938	ug/L	100	NE
LE-2	Toluene	2/8/11	3.2	ug/L	0.26	1
LE-2	Xylene (Total)	2/8/11	29.6	ug/L	0.66	5
LE-2	Zinc	2/8/11	53.3	ug/L	0.4	10
LS-4	1,4-Dichlorobenzene	2/8/11	4.1	ug/L	0.33	1
LS-4	Arsenic	2/8/11	18.6	ug/L	2.7	10
LS-4	Barium	2/8/11	214	ug/L	0.2	100
LS-4	Benzene	2/8/11	4.2	ug/L	0.25	1
LS-4	BOD, 5 day	2/8/11	39800	ug/L	2000	NE
LS-4	Chromium	2/8/11	11	ug/L	0.4	10
LS-4	Cobalt	2/8/11	41.9	ug/L	0.6	10
LS-4	COD	2/8/11	593000	ug/L	25000	NE
LS-4	Copper	2/8/11	97	ug/L	0.3	10
LS-4	Ethylbenzene	2/8/11	10.7	ug/L	0.3	1
LS-4	PH (Lab)	2/8/11	7	Std. Units		
LS-4	Phosphorus	2/8/11	394	ug/L	100	NE
LS-4	Toluene	2/8/11	22.1	ug/L	0.26	1
LS-4	Xylene (Total)	2/8/11	20.5	ug/L	0.66	5
LS-4	Zinc	2/8/11	35.2	ug/L	0.4	10

Sample ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]
LS-5	1,4-Dichlorobenzene	2/8/11	6.2	ug/L	0.33	1
LS-5	Barium	2/8/11	102	ug/L	0.2	100
LS-5	Benzene	2/8/11	2.4	ug/L	0.25	1
LS-5	BOD, 5 day	2/8/11	40400	ug/L	2000	NE
LS-5	Chromium	2/8/11	14	ug/L	0.4	10
LS-5	Cobalt	2/8/11	15.5	ug/L	0.6	10
LS-5	COD	2/8/11	526000	ug/L	25000	NE
LS-5	Copper	2/8/11	202	ug/L	0.3	10
LS-5	Ethylbenzene	2/8/11	10.1	ug/L	0.3	1
LS-5	Nickel	2/8/11	53.4	ug/L	1.7	50
LS-5	Nitrogen, Nitrate	2/8/11	5030	ug/L	400	10000
LS-5	PH (Lab)	2/8/11	7.3	Std. Units		
LS-5	Phosphorus	2/8/11	1410	ug/L	100	NE
LS-5	Sulfate	2/8/11	16400	ug/L	5000	250000
LS-5	Toluene	2/8/11	6.6	ug/L	0.26	1
LS-5	Xylene (Total)	2/8/11	22.4	ug/L	0.66	5
LS-5	Zinc	2/8/11	89.6	ug/L	0.4	10
LS-6	1,2-Dichloroethane	2/8/11	1.1	ug/L	0.12	1
LS-6	1,4-Dichlorobenzene	2/8/11	3.4	ug/L	0.33	1
LS-6	2-Butanone (MEK)	2/8/11	151	ug/L	0.96	100
LS-6	Arsenic	2/8/11	13.2	ug/L	2.7	10
LS-6	Barium	2/8/11	261	ug/L	0.2	100
LS-6	Benzene	2/8/11	15.3	ug/L	0.25	1
LS-6	BOD, 5 day	2/8/11	40100	ug/L	2000	NE
LS-6	Chromium	2/8/11	15.2	ug/L	0.4	10
LS-6	Cobalt	2/8/11	24.9	ug/L	0.6	10
LS-6	COD	2/8/11	469000	ug/L	25000	NE
LS-6	Ethylbenzene	2/8/11	22.8	ug/L	0.3	1
LS-6	Nitrogen, Nitrate	2/8/11	3090	ug/L	100	10000
LS-6	PH (Lab)	2/8/11	6.9	Std. Units		
LS-6	Phosphorus	2/8/11	1010	ug/L	100	NE
LS-6	Sulfate	2/8/11	12300	ug/L	5000	250000
LS-6	Toluene	2/8/11	6.6	ug/L	0.26	1
LS-6	Xylene (Total)	2/8/11	52.4	ug/L	0.66	5
LS-6	Zinc	2/8/11	240	ug/L	0.4	10

[1] Table contains constituents detected above SWSL or MDL if SWSL not established

[2] MDL = Method Detection Limit

[3] SWSL = Solid Waste Section Reporting Limit (Current as of Sampling Event)

NE = Not Established

Table 3
Hydrologic Properties at Monitoring Well Locations
February 7 & 8, 2011

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Groundwater Velocity Rate (ft/yr)	Flow Direction	Water Table Depth (ft)	Water Table Elevation (ft)
MW-1	3.21E-04	31%	0.007	8	S48W	15.22	149.29
MW-2	1.37E-03	31%	0.010	45	N83W	9.93	137.34
MW-3	9.72E-04	31%	0.004	14	S71W	4.61	133.89
MW-4	2.33E-04	9%	0.015	40	S77W	15.74	124.06
MW-5	1.45E-04	9%	0.013	22	N84W	15.97	124.18
MW-6	8.38E-05	31%	0.012	3	N85W	16.57	130.01
MW-7	6.84E-05	9%	0.005	4	N56W	5.81	130.08
MW-8	1.68E-04	9%	0.014	28	S71W	7.25	128.00
MW-9	6.37E-04	31%	0.000	1	S86W	11.30	130.01
MW-10	4.74E-04	31%	0.021	33	S84W	12.60	128.83
MW-11	1.46E-04	22%	0.010	7	S85W	3.51	131.25
MW-12	1.63E-04	22%	0.012	10	N82W	3.68	131.51
MW-13	2.14E-03	22%	0.008	78	S59W	8.58	141.31

NOTE: Effective porosity values from *Design Hydrogeologic Study* for Wayne County.
Hydraulic Conductivity values from slug tests performed on each monitoring well.
Hydrologic Gradient from the February 7, 2011 sampling event.
Average Linear Velocity rate (Q) is defined by the equation:

where $$Q = -\frac{K}{n_e} \cdot \frac{dh}{dl}$$

K= hydraulic conductivity
ne= effective porosity
dh= head difference
dl= horizontal distance

Min v_x: 1
Mean v_x: 22
Median v_x: 14
Max v_x: 78

Table 4
Field Observations of Monitoring Locations
February 7 & 8, 2011

Sample Location	Viable Monitoring Location	Lack of Any Evidence of Tampering	Locked	Hinge/Hasp Operational	Tagged or Labeled	Concrete Surface Pad Effective	Degree of Visual Turbidity of Collected Sample	Comments
MW-1	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-2	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-3	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-4	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-5	Yes	Yes	Yes	Yes	Yes	Yes	Slight	
MW-6	Yes	Yes	Yes	Yes	Yes	Yes	Slight	
MW-7	Yes	Yes	Yes	Yes	Yes	Yes	Slight	Purge water red algae
MW-8	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-9	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-10	Yes	Yes	Yes	Yes	Yes	Yes	Slight	
MW-11	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-12	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-13	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
SW-1	Yes	-	-	-	-	-	Clear	Shared Downstream of SW-3
SW-2	Yes	-	-	-	-	-	Clear	Shared nearest lined MW-2
SW-3	Yes	-	-	-	-	-	Clear	Shared downstream of SW-2
SW-3	No	-	-	-	-	-	Clear	Shared Upstream furthest east Dry
SW-4	Yes	-	-	-	-	-	Clear	
SW-5	Yes	-	-	-	-	-	Clear	

Any unusual field conditions, observations, or events:

None to note.

Table 5
Field Parameter Data Summary
February 7 & 8, 2011

Parameter	Depth to Water	Water Elevation	TOC Elevation	Temp.	ORP	DO	pH	Specific Conductance	TDS	Turbidity
Units	ft (btoc)	ft (amsl)	ft (amsl)	C	mV	mg/L	SU	umhos/cm	mg/L	Visual
MW-1	15.22	149.29	164.51	15.6	374	6.6	5.06	15	7	Clear
MW-2	9.93	137.34	147.27	14.8	11	2.0	5.86	419	210	Clear
MW-3	4.61	133.89	138.50	13.1	19	0.3	6.03	331	165	Clear
MW-4	15.74	124.06	139.80	16.4	286	1.9	5.05	24	12	Clear
MW-5	15.97	124.18	140.15	16.4	264	2.1	4.83	30	15	Slight
MW-6	16.57	130.01	146.58	16.5	248	2.1	4.71	25	12	Slight
MW-7	5.81	130.08	135.89	13.5	53	1.2	5.93	172	86	Slight
MW-8	7.25	128.00	135.25	13.9	162	2.3	6.01	223	112	Clear
MW-9	11.3	130.01	141.31	14.1	301	1.7	5.01	22	10	Clear
MW-10	12.6	128.83	141.43	16.8	339	3.1	4.72	26	13	Slight
MW-11	3.51	131.25	134.76	12.6	378	1.8	4.87	26	14	Clear
MW-12	3.68	131.51	135.19	12.1	351	2.9	4.91	34	17	Clear
MW-13	8.58	141.31	149.89	16.5	217	3.5	5.17	38	18	Clear
Minimum	3.51	124.06	134.76	12.1	11	0.3	4.71	15	7	Clear
Maximum	16.57	149.29	164.51	16.8	378	6.6	6.03	419	210	Slight
Average	10.06	132.29	142.35	14.8	231	2.4	5.24	107	53	Clear
SW-1	-	-	-	9.9	328	6.9	6.10	81	40	Clear
SW-2	-	-	-	9.8	332	7.2	6.00	99	46	Clear
SW-3	-	-	-	9.7	299	6.9	6.12	76	37	Clear
SW-4	-	-	-	8.8	290	7.6	5.79	162	81	Clear
SW-5	-	-	-	9.0	312	8.1	5.71	139	68	Clear
Minimum	-	-	-	8.8	290	6.9	5.71	76	37	Clear
Maximum	-	-	-	9.9	332	8.1	6.12	162	81	Clear
Average	-	-	-	9.4	312	7.3	5.94	111	54	Clear

Appendix A
Statistical Analysis

Statistical Analysis Methodology

Statistical Analysis Methodologies

A statistical analysis was performed on metal and VOC detections utilizing Chemstat software, developed specifically for RCRA Subtitle D sites, conforming to current EPA and SWS protocols. A step-wise approach was utilized to evaluate trends in groundwater quality to identify a potential release from the landfill. Analytical data underwent preliminary data evaluation to reduce the data set and to determine if any "outliers" (defined as data that appears to be incongruent with respect to historical results) or seasonality exists that may potentially effect the results of the subsequent statistical analysis. Statistical tests were evaluated at the 0.05 level of significance, 95% confidence level, and were conducted as one-tailed tests. Statistical background values were calculated using un-manipulated data from historical semi-annual sampling events for this facility from 1997 to the current event. Historical data compiled for monitoring well(s) were used as the baseline. Groundwater data from the downgradient well(s) were compared to the pooled background groundwater data (inter-well) using methods which varied depending on the percentage of non-detects. If necessary further intra-well analysis was conducted to compare current data from a single well to its own historical data. Parameters that indicated statistical significance based on previous tests were evaluated to estimate the change in concentration over time and determine if there is an upward trend.

Preliminary Data Evaluation

A preliminary data screening was conducted on detections. Parameters concentrations below quantifiable levels (SWSL) and below levels detected in the background well were eliminated and statistical analysis was not conducted for that particular constituent/well.

Data distributions were reviewed using box and whiskers plots. To evaluate variability in concentrations with respect to time and season, time series plots were generated for select constituents. Time series plots were also visually evaluated for seasonality and "outliers". Suspected outliers were further evaluated through Dixon's Test for Outliers or Rosner's Test for Outliers depending on the number of samples and the data distribution. Outliers are generally not censored from the current or historical data set prior to statistical analysis but are further evaluated and/or qualified as necessary.

Inter-well Analyses

Inter-well statistical analysis was conducted on total metals detected during this sampling event. Monitoring well MW-1 was defined as the background well. An upper tolerance limit (UTL) with 95% coverage was computed for each detected constituent from the background data at a 95% level of confidence. For each tested constituent, an appropriate statistical analysis method was selected based on the percentages of non-detects (%ND) in the historical background data. The following Table 1 summarizes the methods used for different %ND ranges.

Table 1. Statistical Analysis Methods for Various %ND Ranges

%ND	Analysis Method	ND Substitution
%ND<15%	Parametric tolerance limit	1/2 ND
15%<%ND<50%	Parametric tolerance limit	Cohen or 1/2 ND
50%<%ND<90%	Non-parametric tolerance limit	1/2 ND
90%<%ND	Poisson tolerance limit	-

NOTE: For parametric tolerance interval, normality of the background data was checked by the Shapiro-Wilks normality test, as the method requires that the data be normally distributed.

Intra-well Analysis

Intra-well analysis was conducted on constituents found to be statistically significant by inter-well analysis and have sufficient historically known non-impacted samples. For intra-well comparisons, data from a single well is compared to historical data from the same well. In general, intra-well analysis is typically used to differentiate true contamination from spatial variability. Intra-well analysis is generally conducted through interpretation of Shewhart-CUSUM and/or Exponentially Weighted Moving Average (EWMA) control charts, where applicable.

Poisson Prediction Interval (VOCs)

Historical VOC detections in background well MW-1 were pooled to determine a total number of detections; from which the expected number of detections at a single downgradient monitoring point (y^*) was derived by utilizing the Poisson prediction interval. The parameter y^* is defined by the following equation:

$$y^* = cy + \frac{t^2 c}{2} + tc\sqrt{y\left(1+\frac{1}{c}\right)+\frac{t^2}{4}}$$

where

$c = 1/n$ (n =number of background samples)
t = one-sided value of student's t -Statistic at 95% confidence [a]
y = number of events observed in n previous samples
y^* = expected number of events in a single future sample

[a] Gibbons, R.D., 1994, Statistical methods for groundwater monitoring: John Wiley & Sons, Inc., p.12.

For each monitoring location with VOC detections, the number of detected VOCs was counted with each detection being considered a "hit". The number of detections was then compared with the expected number of detections derived from the background VOC data. The value of student's t -Statistic was derived from tabulated values included in Gibbons (1994).

Determine Data Trend Over Time

Parameter trends in concentration over time indicating statistical significance were also determined. Implementation of Mann-Kendall Trend Analysis or Sen's Slope Analysis is generally used to determine if the concentration trend is increasing, decreasing, or constant.

Statistical Analysis Summary
Tables & Graphs

Inter-Well Analysis Summary
February 7 & 8, 2011
Background Well: MW-1

Cobalt, total

%ND	Normality	Method	ND Adj.	Upper Limit (a = 95%)	Unit
100	-	Poisson Tolerance Limit	ND	16.5	ug/l

Well	Result	Significance
MW-2	54.1	Yes
MW-3	19.8	Yes

Zinc, total

%ND	Normality	Method	ND Adj.	Upper Limit (a = 95%)	Unit
79.31	-	Non-Parametric Tolerance Limit	½ ND	148	ug/l

Well	Result	Significance
MW-2	18.7	No
MW-6	27	No
MW-7	36.1	No

NOTE: **Bold**-faced monitoring points indicate detected levels exceeded 2L Standard.

Intra-Well Analysis Summary (Metals)
February 7 & 8, 2011

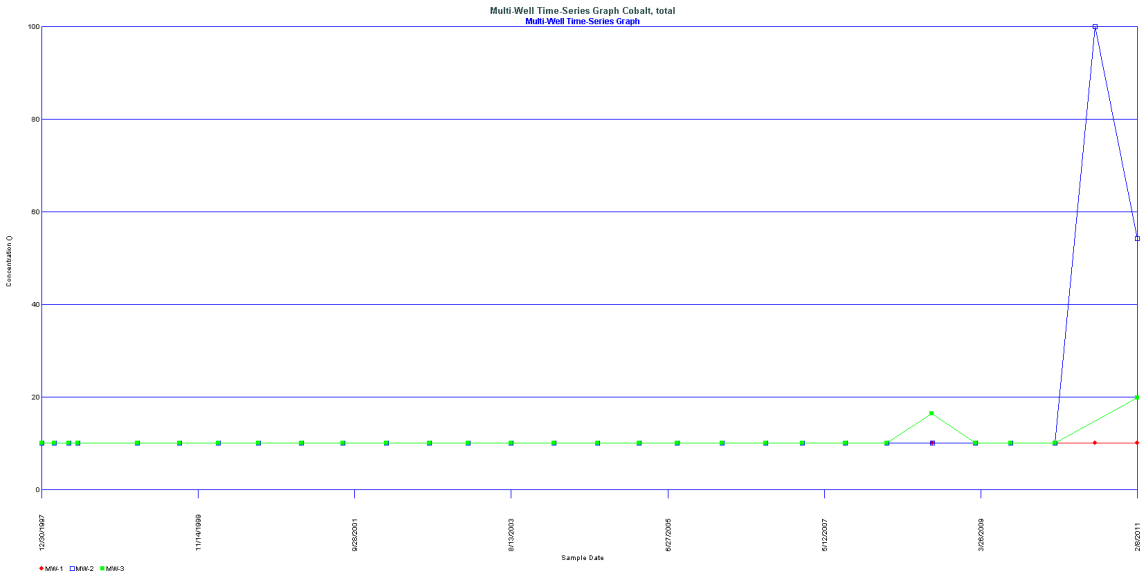
Well	Cobalt
MW-2	n/a
MW-3	n/a

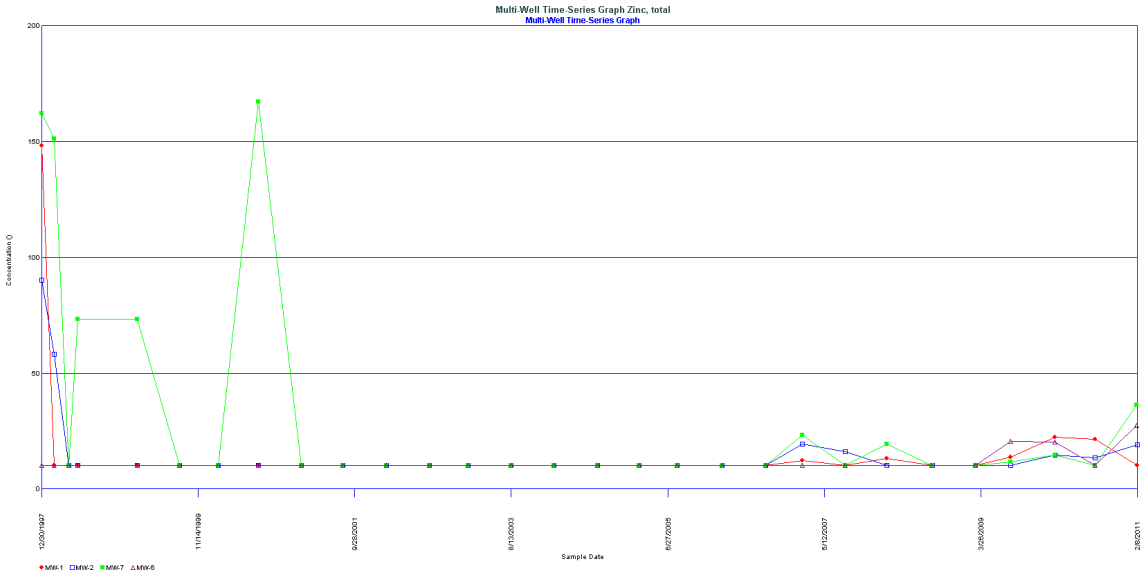
EXPLANATION

yes=detection statistically significant by intrawell analysis
no=detection not statistically significant by intrawell analysis
n/a=unable to run intrawell analysis due to insufficient number of sampling events
Bold=Detected in exceedance of the 2L Standard

NO metal concentrations have statistically increased via Intra-Well Analysis through Shewhart-CUSUM Control Chart Interpretation

Time Series Graphs for Select Constituents
February 7 & 8, 2011





Non-Detects (ND) represented at SWSL

Statistical Analysis
Basic Statistics

Basic Statistics

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

Total Measurements	86
Total Non-Detects	82 (95.3488%)
Pooled Mean	6.97907
Pooled Std Dev	11.6041
Compliance Meas.	57
Compliance Mean	7.98596
Compliance Std Dev	14.189
Background Meas.	29
Background Mean	5
Background Std Dev	0

Background Locations

There is 1 background location

Location	Meas.	Non-Detects	% ND	Total
MW-1	29	29	100	145

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	5	0	0	1203.5	41.5

Compliance Locations

There are 2 compliance location

Location	Obs.	Non-Detects	% ND	Total
MW-3	28	26	92.8571	166.1
MW-2	29	27	93.1034	289.1

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-3	5.93214	3.45554	0.932143	3.05596	1246	44.5
MW-2	9.96897	19.5665	4.96897	3.02904	1291.5	44.5345

Analysis of Variance Statistics

SS Wells	403.519
SS Total	11445.7

Kruskal-Wallis Statistics

Non-Detect Rank	41.5
Background Rank Sum	1203.5
Background Rank Mean	41.5
H Statistic	0.280729
H Adjusted for Ties	2.10825

Basic Statistics

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

Total Measurements	119
Total Non-Detects	93 (78.1513%)
Pooled Mean	14.4613
Pooled Std Dev	29.8638
Compliance Meas.	90
Compliance Mean	15.2911
Compliance Std Dev	30.9351
Background Meas.	29
Background Mean	11.8862
Background Std Dev	26.6005

Background Locations

There is 1 background location

Location	Meas.	Non-Detects	% ND	Total
MW-1	29	23	79.3103	344.7

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-1	11.8862	26.6005	0	1701	58.6552

Compliance Locations

There are 3 compliance location

Location	Obs.	Non-Detects	% ND	Total
MW-2	29	22	75.8621	339.2
MW-7	32	22	68.75	839.9
MW-6	29	26	89.6552	197.1

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-2	11.6966	18.3149	-0.189655	7.69257	1764	60.8276
MW-7	26.2469	47.0508	14.3607	7.51011	2132	66.625
MW-6	6.79655	5.48846	-5.08966	7.69257	1543	53.2069

Analysis of Variance Statistics

SS Wells	6562.47
SS Total	105238

Kruskal-Wallis Statistics

Non-Detect Rank	47
Background Rank Sum	1701
Background Rank Mean	58.6552
H Statistic	2.36559
H Adjusted for Ties	4.52568

Statistical Analysis
Inter-well Analysis

Poisson Tolerance Limit

Parameter: Cobalt, total

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Poisson Count of 29 background measurements = 290
Degrees of Freedom = 582

95% Confidence Values

Chi-Squared Value (95% Confidence) = 639.232
Lambda (from Zack's formula) = 11.0212
Smallest Degrees of Freedom = 35
Upper Tolerance Limit (95%) = 16.5

99% Confidence Values

Chi-Squared Value (99% Confidence) = 664.297
Lambda (from Zack's formula) = 11.4534
Smallest Degrees of Freedom = 42
Upper Tolerance Limit (99%) = 20

	Date	Conc.	Significant 95%	Significant 99%
MW-2	12/30/1997	ND<10	FALSE	FALSE
	2/25/1998	ND<10	FALSE	FALSE
	4/27/1998	ND<10	FALSE	FALSE
	6/8/1998	ND<10	FALSE	FALSE
	2/23/1999	ND<10	FALSE	FALSE
	8/24/1999	ND<10	FALSE	FALSE
	2/10/2000	ND<10	FALSE	FALSE
	8/3/2000	ND<10	FALSE	FALSE
	2/8/2001	ND<10	FALSE	FALSE
	8/8/2001	ND<10	FALSE	FALSE
	2/14/2002	ND<10	FALSE	FALSE
	8/22/2002	ND<10	FALSE	FALSE
	2/6/2003	ND<10	FALSE	FALSE
	8/13/2003	ND<10	FALSE	FALSE
	2/18/2004	ND<10	FALSE	FALSE
	8/26/2004	ND<10	FALSE	FALSE
	2/22/2005	ND<10	FALSE	FALSE
	8/9/2005	ND<10	FALSE	FALSE
	2/22/2006	ND<10	FALSE	FALSE
	8/29/2006	ND<10	FALSE	FALSE
	2/7/2007	ND<10	FALSE	FALSE
	8/14/2007	ND<10	FALSE	FALSE
	2/12/2008	ND<10	FALSE	FALSE
	8/28/2008	ND<10	FALSE	FALSE
	3/5/2009	ND<10	FALSE	FALSE
	8/6/2009	ND<10	FALSE	FALSE
	2/16/2010	ND<10	FALSE	FALSE
	8/10/2010	100	**TRUE**	**TRUE**
	2/8/2011	54.1	**TRUE**	**TRUE**
MW-3	12/30/1997	ND<10	FALSE	FALSE
	2/25/1998	ND<10	FALSE	FALSE
	4/27/1998	ND<10	FALSE	FALSE
	6/8/1998	ND<10	FALSE	FALSE
	2/23/1999	ND<10	FALSE	FALSE
	8/24/1999	ND<10	FALSE	FALSE
	2/10/2000	ND<10	FALSE	FALSE
	8/3/2000	ND<10	FALSE	FALSE
	2/8/2001	ND<10	FALSE	FALSE
	8/8/2001	ND<10	FALSE	FALSE
	2/14/2002	ND<10	FALSE	FALSE
	8/22/2002	ND<10	FALSE	FALSE
	2/6/2003	ND<10	FALSE	FALSE
	8/13/2003	ND<10	FALSE	FALSE
	2/18/2004	ND<10	FALSE	FALSE
	8/26/2004	ND<10	FALSE	FALSE
	2/22/2005	ND<10	FALSE	FALSE
	8/9/2005	ND<10	FALSE	FALSE
	2/22/2006	ND<10	FALSE	FALSE
	8/29/2006	ND<10	FALSE	FALSE
	2/7/2007	ND<10	FALSE	FALSE
	8/14/2007	ND<10	FALSE	FALSE
	2/12/2008	ND<10	FALSE	FALSE
	8/26/2008	16.3	FALSE	FALSE

3/5/2009	ND<10	FALSE	FALSE
8/5/2009	ND<10	FALSE	FALSE
2/16/2010	ND<10	FALSE	FALSE
2/8/2011	19.8	**TRUE**	FALSE

Non-Parametric Tolerance Interval

Parameter: Zinc, total

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 78.1513%
Background measurements (n) = 29
Maximum Background Concentration = 148
Minimum Coverage = 90.2%
Average Coverage = 96.6667%

Location	Date	Value	Significant
MW-2	12/30/1997	90	FALSE
MW-2	2/25/1998	58	FALSE
MW-2	4/27/1998	ND<5	FALSE
MW-2	6/8/1998	ND<5	FALSE
MW-2	2/23/1999	ND<5	FALSE
MW-2	8/24/1999	ND<5	FALSE
MW-2	2/10/2000	ND<5	FALSE
MW-2	8/3/2000	ND<5	FALSE
MW-2	2/8/2001	ND<5	FALSE
MW-2	8/8/2001	ND<5	FALSE
MW-2	2/14/2002	ND<5	FALSE
MW-2	8/22/2002	ND<5	FALSE
MW-2	2/6/2003	ND<5	FALSE
MW-2	8/13/2003	ND<5	FALSE
MW-2	2/18/2004	ND<5	FALSE
MW-2	8/26/2004	ND<5	FALSE
MW-2	2/22/2005	ND<5	FALSE
MW-2	8/9/2005	ND<5	FALSE
MW-2	2/22/2006	ND<5	FALSE
MW-2	8/29/2006	ND<5	FALSE
MW-2	2/7/2007	19	FALSE
MW-2	8/14/2007	16	FALSE
MW-2	2/12/2008	ND<5	FALSE
MW-2	8/28/2008	ND<5	FALSE
MW-2	3/5/2009	ND<5	FALSE
MW-2	8/6/2009	ND<5	FALSE
MW-2	2/16/2010	14.4	FALSE
MW-2	8/10/2010	13.1	FALSE
MW-2	2/8/2011	18.7	FALSE
MW-7	**12/30/1997**	**162**	**TRUE**
MW-7	**2/25/1998**	**151**	**TRUE**
MW-7	4/27/1998	ND<5	FALSE
MW-7	6/8/1998	73	FALSE
MW-7	2/23/1999	73	FALSE
MW-7	8/24/1999	ND<5	FALSE
MW-7	2/10/2000	ND<5	FALSE
MW-7	**8/3/2000**	**167**	**TRUE**
MW-7	2/8/2001	ND<5	FALSE
MW-7	8/8/2001	ND<5	FALSE
MW-7	8/8/2001	ND<5	FALSE
MW-7	2/14/2002	ND<5	FALSE
MW-7	8/22/2002	ND<5	FALSE
MW-7	8/22/2002	ND<5	FALSE
MW-7	2/6/2003	ND<5	FALSE
MW-7	8/13/2003	ND<5	FALSE
MW-7	8/13/2003	ND<5	FALSE
MW-7	2/18/2004	ND<5	FALSE
MW-7	8/26/2004	ND<5	FALSE
MW-7	2/22/2005	ND<5	FALSE
MW-7	8/9/2005	ND<5	FALSE
MW-7	2/22/2006	ND<5	FALSE
MW-7	8/29/2006	ND<5	FALSE
MW-7	2/7/2007	23	FALSE
MW-7	8/14/2007	ND<5	FALSE
MW-7	2/12/2008	19	FALSE
MW-7	8/25/2008	ND<5	FALSE
MW-7	3/5/2009	ND<5	FALSE
MW-7	8/6/2009	11.5	FALSE
MW-7	2/15/2010	14.3	FALSE
MW-7	8/10/2010	ND<5	FALSE
MW-7	2/7/2011	36.1	FALSE

MW-6	12/30/1997	ND<5	FALSE
MW-6	2/25/1998	ND<5	FALSE
MW-6	4/27/1998	ND<5	FALSE
MW-6	6/8/1998	ND<5	FALSE
MW-6	2/23/1999	ND<5	FALSE
MW-6	8/24/1999	ND<5	FALSE
MW-6	2/10/2000	ND<5	FALSE
MW-6	8/3/2000	ND<5	FALSE
MW-6	2/8/2001	ND<5	FALSE
MW-6	8/8/2001	ND<5	FALSE
MW-6	2/14/2002	ND<5	FALSE
MW-6	8/22/2002	ND<5	FALSE
MW-6	2/6/2003	ND<5	FALSE
MW-6	8/13/2003	ND<5	FALSE
MW-6	2/18/2004	ND<5	FALSE
MW-6	8/26/2004	ND<5	FALSE
MW-6	2/22/2005	ND<5	FALSE
MW-6	8/9/2005	ND<5	FALSE
MW-6	2/22/2006	ND<5	FALSE
MW-6	8/29/2006	ND<5	FALSE
MW-6	2/7/2007	ND<5	FALSE
MW-6	8/14/2007	ND<5	FALSE
MW-6	2/12/2008	ND<5	FALSE
MW-6	8/26/2008	ND<5	FALSE
MW-6	3/5/2009	ND<5	FALSE
MW-6	8/6/2009	20.2	FALSE
MW-6	2/15/2010	19.9	FALSE
MW-6	8/10/2010	ND<5	FALSE
MW-6	2/7/2011	27	FALSE

Appendix B
Laboratory Analysis Report
Chains of Custody
Field Sampling Parameter
Data Sheet(s)

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

March 31, 2011

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 09, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC 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.

Report revised March 31, 2011 to update naming nomenclature.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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

CERTIFICATIONS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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SAMPLE SUMMARY

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9287515001	**MW-1**	Water	02/08/11 16:30	02/09/11 16:40
9287515002	**MW-2**	Water	02/08/11 17:00	02/09/11 16:40
9287515003	**MW-3**	Water	02/07/11 14:25	02/09/11 16:40
9287515004	**MW-4**	Water	02/07/11 13:30	02/09/11 16:40
9287515005	**MW-5**	Water	02/07/11 11:50	02/09/11 16:40
9287515006	**MW-6**	Water	02/07/11 11:15	02/09/11 16:40
9287515007	**MW-7**	Water	02/07/11 10:45	02/09/11 16:40
9287515008	**MW-8**	Water	02/08/11 08:40	02/09/11 16:40
9287515009	**MW-9**	Water	02/08/11 17:25	02/09/11 16:40
9287515010	**MW-10**	Water	02/08/11 10:10	02/09/11 16:40
9287515011	**MW-11**	Water	02/08/11 11:40	02/09/11 16:40
9287515012	**MW-12**	Water	02/08/11 12:10	02/09/11 16:40
9287515013	**MW-13**	Water	02/08/11 13:20	02/09/11 16:40
9287515014	**SW-4**	Water	02/08/11 10:30	02/09/11 16:40
9287515015	**SW-5**	Water	02/08/11 10:55	02/09/11 16:40
9287515016	**LE-1**	Water	02/08/11 16:00	02/09/11 16:40
9287515017	**LE-2**	Water	02/08/11 15:02	02/09/11 16:40
9287515018	**LS-4**	Water	02/08/11 15:30	02/09/11 16:40
9287515019	**LS-5**	Water	02/08/11 14:18	02/09/11 16:40
9287515020	**LS-6**	Water	02/08/11 14:41	02/09/11 16:40

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SAMPLE ANALYTE COUNT

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9287515001	**MW-1**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515002	**MW-2**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515003	**MW-3**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515004	**MW-4**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515005	**MW-5**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515006	**MW-6**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515007	**MW-7**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515008	**MW-8**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515009	**MW-9**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515010	**MW-10**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515011	**MW-11**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515012	**MW-12**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515013	**MW-13**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515014	**SW-4**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515015	**SW-5**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287515016	**LE-1**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
		SM 5210B	SHB	1	PASI-A
		EPA 9040	MDK	1	PASI-A
		EPA 300.0	JDA	1	PASI-A
		EPA 353.2	RAB	1	PASI-A
		EPA 365.1	LEP	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5220D	SDH	1	PASI-A
9287515017	**LE-2**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
		SM 5210B	SHB	1	PASI-A
		EPA 9040	MDK	1	PASI-A
		EPA 300.0	JDA	1	PASI-A
		EPA 353.2	RAB	1	PASI-A
		EPA 365.1	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A
9287515018	**LS-4**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
		SM 5210B	SHB	1	PASI-A
		EPA 9040	MDK	1	PASI-A
		EPA 300.0	JDA	1	PASI-A
		EPA 353.2	RAB	1	PASI-A
		EPA 365.1	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A
9287515019	**LS-5**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
		SM 5210B	SHB	1	PASI-A
		EPA 9040	MDK	1	PASI-A
		EPA 300.0	JDA	1	PASI-A
		EPA 353.2	RAB	1	PASI-A
		EPA 365.1	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A
9287515020	**LS-6**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
		SM 5210B	SHB	1	PASI-A
		EPA 9040	MDK	1	PASI-A
		EPA 300.0	JDA	1	PASI-A
		EPA 353.2	RAB	1	PASI-A
		EPA 365.1	LEP	1	PASI-A
		SM 5220D	SDH	1	PASI-A

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-1 **Lab ID: 9287515001** Collected: 02/08/11 16:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 07:01	7440-36-0	
Arsenic	**6.5J**	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 07:01	7440-38-2	
Barium	**28.1J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 07:01	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 07:01	7440-41-7	
Cadmium	**2.8**	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 07:01	7440-43-9	
Chromium	**18.6**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:01	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 07:01	7440-48-4	
Copper	**7.2J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 07:01	7440-50-8	
Lead	**6.2J**	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 07:01	7439-92-1	
Nickel	**3.7J**	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 07:01	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 07:01	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 07:01	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 07:01	7440-28-0	
Vanadium	**48.3**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 07:01	7440-62-2	
Zinc	**11.4**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:01	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 16:52	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 16:52	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 16:52	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 16:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 16:52	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 16:52	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 16:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 16:52	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 16:52	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 16:52	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 16:52	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 16:52	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 16:52	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 16:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 16:52	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 16:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 16:52	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 16:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 16:52	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 16:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 16:52	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 16:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 16:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 16:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 16:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 16:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 16:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 16:52	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 16:52	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-1 **Lab ID: 9287515001** Collected: 02/08/11 16:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 16:52	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 16:52	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 16:52	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 16:52	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 16:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 16:52	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 16:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 16:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 16:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 16:52	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 16:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 16:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 16:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 16:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 16:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 16:52	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 16:52	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 16:52	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 16:52	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-130		1		02/11/11 16:52	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		02/11/11 16:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/11 16:52	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/11/11 16:52	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-2 **Lab ID: 9287515002** Collected: 02/08/11 17:00 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 07:04	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 07:04	7440-38-2	
Barium	**18.9J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 07:04	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 07:04	7440-41-7	
Cadmium	**1.5**	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 07:04	7440-43-9	
Chromium	**1.2J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:04	7440-47-3	
Cobalt	**54.1**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 07:04	7440-48-4	
Copper	**2.0J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 07:04	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 07:04	7439-92-1	
Nickel	**6.4J**	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 07:04	7440-02-0	
Selenium	**4.7J**	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 07:04	7782-49-2	
Silver	**0.39J**	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 07:04	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 07:04	7440-28-0	
Vanadium	**0.77J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 07:04	7440-62-2	
Zinc	**18.7**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:04	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 17:15	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 17:15	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 17:15	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 17:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 17:15	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 17:15	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 17:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 17:15	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 17:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 17:15	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 17:15	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 17:15	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 17:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 17:15	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 17:15	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 17:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 17:15	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 17:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 17:15	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 17:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 17:15	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 17:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 17:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 17:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 17:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 17:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 17:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 17:15	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 17:15	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-2 **Lab ID: 9287515002** Collected: 02/08/11 17:00 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 17:15	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 17:15	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 17:15	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 17:15	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 17:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 17:15	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 17:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 17:15	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 17:15	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 17:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 17:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 17:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 17:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 17:15	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 17:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 17:15	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 17:15	1330-20-7	
4-Bromofluorobenzene (S)	102	%	70-130		1		02/11/11 17:15	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		02/11/11 17:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/11 17:15	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		02/11/11 17:15	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-3 **Lab ID: 9287515003** Collected: 02/07/11 14:25 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 07:09	7440-36-0	
Arsenic	**8.3J**	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 07:09	7440-38-2	
Barium	**29.8J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 07:09	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 07:09	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 07:09	7440-43-9	
Chromium	**3.6J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:09	7440-47-3	
Cobalt	**19.8**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 07:09	7440-48-4	
Copper	**1.5J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 07:09	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 07:09	7439-92-1	
Nickel	**3.6J**	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 07:09	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 07:09	7782-49-2	
Silver	**0.12J**	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 07:09	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 07:09	7440-28-0	
Vanadium	**4.9J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 07:09	7440-62-2	
Zinc	**9.9J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:09	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 11:10	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 11:10	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 11:10	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 11:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 11:10	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 11:10	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 11:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 11:10	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 11:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 11:10	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 11:10	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 11:10	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 11:10	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 11:10	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 11:10	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 11:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 11:10	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 11:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 11:10	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 11:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 11:10	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 11:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 11:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 11:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 11:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 11:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 11:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 11:10	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 11:10	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-3 **Lab ID: 9287515003** Collected: 02/07/11 14:25 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 11:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 11:10	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 11:10	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 11:10	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 11:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 11:10	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 11:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 11:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 11:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 11:10	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 11:10	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 11:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 11:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 11:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 11:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 11:10	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 11:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 11:10	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 11:10	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-130		1		02/11/11 11:10	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		02/11/11 11:10	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/11/11 11:10	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		02/11/11 11:10	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-4 **Lab ID: 9287515004** Collected: 02/07/11 13:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 07:13	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 07:13	7440-38-2	
Barium	**30.2J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 07:13	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 07:13	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 07:13	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:13	7440-47-3	
Cobalt	**2.1J**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 07:13	7440-48-4	
Copper	**0.48J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 07:13	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 07:13	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 07:13	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 07:13	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 07:13	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 07:13	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 07:13	7440-62-2	
Zinc	**3.5J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:13	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 15:21	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 15:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 15:21	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 15:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 15:21	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 15:21	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 15:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 15:21	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 15:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 15:21	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 15:21	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 15:21	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 15:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 15:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 15:21	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 15:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 15:21	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 15:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 15:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 15:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 15:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 15:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 15:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 15:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 15:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 15:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 15:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 15:21	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 15:21	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-4 **Lab ID: 9287515004** Collected: 02/07/11 13:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 15:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 15:21	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 15:21	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 15:21	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 15:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 15:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 15:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 15:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 15:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 15:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 15:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 15:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 15:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 15:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 15:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 15:21	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 15:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 15:21	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 15:21	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/11 15:21	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		02/11/11 15:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/11/11 15:21	17060-07-0	
Toluene-d8 (S)	88	%	70-130		1		02/11/11 15:21	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-5 **Lab ID: 9287515005** Collected: 02/07/11 11:50 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 07:16	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 07:16	7440-38-2	
Barium	**52.4J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 07:16	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 07:16	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 07:16	7440-43-9	
Chromium	**0.98J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:16	7440-47-3	
Cobalt	**4.0J**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 07:16	7440-48-4	
Copper	**1.5J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 07:16	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 07:16	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 07:16	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 07:16	7782-49-2	
Silver	**0.10J**	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 07:16	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 07:16	7440-28-0	
Vanadium	**0.55J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 07:16	7440-62-2	
Zinc	**5.3J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:16	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 15:44	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 15:44	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 15:44	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 15:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 15:44	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 15:44	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 15:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 15:44	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 15:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 15:44	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 15:44	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 15:44	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 15:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 15:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 15:44	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 15:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 15:44	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 15:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 15:44	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 15:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 15:44	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 15:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 15:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 15:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 15:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 15:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 15:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 15:44	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 15:44	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-5 **Lab ID: 9287515005** Collected: 02/07/11 11:50 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 15:44	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 15:44	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 15:44	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 15:44	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 15:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 15:44	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 15:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 15:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 15:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 15:44	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 15:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 15:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 15:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 15:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 15:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 15:44	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 15:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 15:44	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 15:44	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-130		1		02/11/11 15:44	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/11/11 15:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		02/11/11 15:44	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/11/11 15:44	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-6 **Lab ID: 9287515006** Collected: 02/07/11 11:15 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 07:29	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 07:29	7440-38-2	
Barium	**33.6J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 07:29	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 07:29	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 07:29	7440-43-9	
Chromium	**3.1J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:29	7440-47-3	
Cobalt	**0.98J**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 07:29	7440-48-4	
Copper	**1.9J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 07:29	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 07:29	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 07:29	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 07:29	7782-49-2	
Silver	**0.14J**	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 07:29	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 07:29	7440-28-0	
Vanadium	**4.3J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 07:29	7440-62-2	
Zinc	**27.0**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:29	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 16:06	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 16:06	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 16:06	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 16:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 16:06	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 16:06	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 16:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 16:06	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 16:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 16:06	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 16:06	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 16:06	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 16:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 16:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 16:06	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 16:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 16:06	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 16:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 16:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 16:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 16:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 16:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 16:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 16:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 16:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 16:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 16:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 16:06	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 16:06	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-6 **Lab ID: 9287515006** Collected: 02/07/11 11:15 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 16:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 16:06	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 16:06	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 16:06	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 16:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 16:06	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 16:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 16:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 16:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 16:06	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 16:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 16:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 16:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 16:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 16:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 16:06	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 16:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 16:06	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 16:06	1330-20-7	
4-Bromofluorobenzene (S)	103	%	70-130		1		02/11/11 16:06	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		02/11/11 16:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/11/11 16:06	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		02/11/11 16:06	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-7 **Lab ID: 9287515007** Collected: 02/07/11 10:45 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	03/01/11 16:00	03/02/11 17:09	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	03/01/11 16:00	03/02/11 17:09	7440-38-2	
Barium	**14.6J**	ug/L	100	0.20	1	03/01/11 16:00	03/02/11 17:09	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	03/01/11 16:00	03/02/11 17:09	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/01/11 16:00	03/02/11 17:09	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	03/01/11 16:00	03/02/11 17:09	7440-47-3	
Cobalt	**0.60J**	ug/L	10.0	0.60	1	03/01/11 16:00	03/02/11 17:09	7440-48-4	
Copper	**0.30J**	ug/L	10.0	0.30	1	03/01/11 16:00	03/02/11 17:09	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	03/01/11 16:00	03/02/11 17:09	7439-92-1	
Nickel	**6.6J**	ug/L	50.0	1.7	1	03/01/11 16:00	03/02/11 17:09	7440-02-0	
Selenium	**6.5J**	ug/L	10.0	3.8	1	03/01/11 16:00	03/02/11 17:09	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	03/01/11 16:00	03/02/11 17:09	7440-22-4	
Thallium	**5.2J**	ug/L	5.5	3.0	1	03/01/11 16:00	03/02/11 17:09	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	03/01/11 16:00	03/02/11 17:09	7440-62-2	
Zinc	**36.1**	ug/L	10.0	0.40	1	03/01/11 16:00	03/02/11 17:09	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 16:29	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 16:29	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 16:29	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 16:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 16:29	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 16:29	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 16:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 16:29	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 16:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 16:29	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 16:29	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 16:29	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 16:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 16:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 16:29	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 16:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 16:29	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 16:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 16:29	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 16:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 16:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 16:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 16:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 16:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 16:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 16:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 16:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 16:29	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 16:29	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-7 **Lab ID: 9287515007** Collected: 02/07/11 10:45 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 16:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 16:29	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 16:29	591-78-6	
Iodomethane	**2.7J**	ug/L	10.0	0.32	1		02/11/11 16:29	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 16:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 16:29	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 16:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 16:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 16:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 16:29	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 16:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 16:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 16:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 16:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 16:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 16:29	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 16:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 16:29	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 16:29	1330-20-7	
4-Bromofluorobenzene (S)	102	%	70-130		1		02/11/11 16:29	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		02/11/11 16:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/11/11 16:29	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		02/11/11 16:29	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-8 **Lab ID: 9287515008** Collected: 02/08/11 08:40 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 07:32	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 07:32	7440-38-2	
Barium	**13.0J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 07:32	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 07:32	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 07:32	7440-43-9	
Chromium	**0.53J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:32	7440-47-3	
Cobalt	**1.3J**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 07:32	7440-48-4	
Copper	**1.2J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 07:32	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 07:32	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 07:32	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 07:32	7782-49-2	
Silver	**0.10J**	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 07:32	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 07:32	7440-28-0	
Vanadium	**0.41J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 07:32	7440-62-2	
Zinc	**7.7J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 07:32	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 17:38	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 17:38	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 17:38	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 17:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 17:38	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 17:38	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 17:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 17:38	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 17:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 17:38	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 17:38	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 17:38	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 17:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 17:38	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 17:38	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 17:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 17:38	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 17:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 17:38	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 17:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 17:38	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 17:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 17:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 17:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 17:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 17:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 17:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 17:38	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 17:38	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-8 **Lab ID: 9287515008** Collected: 02/08/11 08:40 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 17:38	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 17:38	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 17:38	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 17:38	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 17:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 17:38	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 17:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 17:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 17:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 17:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 17:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 17:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 17:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 17:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 17:38	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 17:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 17:38	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 17:38	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/11 17:38	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/11/11 17:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		02/11/11 17:38	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		02/11/11 17:38	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-9 **Lab ID: 9287515009** Collected: 02/08/11 17:25 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:15	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:15	7440-38-2	
Barium	**34.4J**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:15	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:15	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:15	7440-43-9	
Chromium	**0.74J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:15	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:15	7440-48-4	
Copper	**0.52J**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:15	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:15	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:15	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:15	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:15	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:15	7440-28-0	
Vanadium	**0.86J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:15	7440-62-2	
Zinc	**1.5J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:15	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 18:01	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 18:01	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 18:01	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 18:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 18:01	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 18:01	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 18:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 18:01	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 18:01	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 18:01	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 18:01	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 18:01	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 18:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 18:01	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 18:01	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 18:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 18:01	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 18:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 18:01	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 18:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 18:01	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 18:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 18:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 18:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 18:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 18:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 18:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 18:01	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 18:01	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-9 **Lab ID: 9287515009** Collected: 02/08/11 17:25 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 18:01	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 18:01	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 18:01	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 18:01	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 18:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 18:01	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 18:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 18:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 18:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 18:01	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 18:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 18:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 18:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 18:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 18:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 18:01	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 18:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 18:01	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 18:01	1330-20-7	
4-Bromofluorobenzene (S)	102	%	70-130		1		02/11/11 18:01	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/11/11 18:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/11 18:01	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		02/11/11 18:01	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-10 **Lab ID: 9287515010** Collected: 02/08/11 10:10 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:22	7440-36-0	
Arsenic	**3.2J**	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:22	7440-38-2	
Barium	**32.8J**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:22	7440-39-3	
Beryllium	**0.17J**	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:22	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:22	7440-43-9	
Chromium	**1.7J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:22	7440-47-3	
Cobalt	**1.7J**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:22	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:22	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:22	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:22	7440-02-0	
Selenium	**7.8J**	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:22	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:22	7440-22-4	
Thallium	**8.7**	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:22	7440-28-0	
Vanadium	**2.0J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:22	7440-62-2	
Zinc	**3.7J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:22	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 18:23	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 18:23	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 18:23	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 18:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 18:23	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 18:23	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 18:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 18:23	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 18:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 18:23	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 18:23	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 18:23	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 18:23	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 18:23	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 18:23	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 18:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 18:23	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 18:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 18:23	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 18:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 18:23	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 18:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 18:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 18:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 18:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 18:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 18:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 18:23	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 18:23	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-10 **Lab ID: 9287515010** Collected: 02/08/11 10:10 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 18:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 18:23	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 18:23	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 18:23	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 18:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 18:23	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 18:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 18:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 18:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 18:23	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 18:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 18:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 18:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 18:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 18:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 18:23	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 18:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 18:23	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 18:23	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/11 18:23	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/11/11 18:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		02/11/11 18:23	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		02/11/11 18:23	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-11 **Lab ID: 9287515011** Collected: 02/08/11 11:40 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:28	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:28	7440-38-2	
Barium	**26.1J**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:28	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:28	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:28	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:28	7440-47-3	
Cobalt	**1.1J**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:28	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:28	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:28	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:28	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:28	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:28	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:28	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:28	7440-62-2	
Zinc	**5.5J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:28	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 23:20	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 23:20	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 23:20	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 23:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 23:20	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 23:20	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 23:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 23:20	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 23:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 23:20	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 23:20	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 23:20	75-00-3	
Chloroform	**0.15J**	ug/L	5.0	0.14	1		02/11/11 23:20	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 23:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 23:20	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 23:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 23:20	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 23:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 23:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 23:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 23:20	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 23:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 23:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 23:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 23:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 23:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 23:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 23:20	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 23:20	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-11 **Lab ID: 9287515011** Collected: 02/08/11 11:40 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 23:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 23:20	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 23:20	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 23:20	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 23:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 23:20	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 23:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 23:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 23:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 23:20	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 23:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 23:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 23:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 23:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 23:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 23:20	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 23:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 23:20	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 23:20	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/11 23:20	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/11/11 23:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/11 23:20	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/11/11 23:20	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-12 **Lab ID: 9287515012** Collected: 02/08/11 12:10 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:32	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:32	7440-38-2	
Barium	**43.0J**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:32	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:32	7440-41-7	
Cadmium	**1.0**	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:32	7440-43-9	
Chromium	**0.50J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:32	7440-47-3	
Cobalt	**5.5J**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:32	7440-48-4	
Copper	**1.4J**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:32	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:32	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:32	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:32	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:32	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:32	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:32	7440-62-2	
Zinc	**6.9J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:32	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 23:43	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 23:43	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 23:43	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 23:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 23:43	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 23:43	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 23:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 23:43	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 23:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 23:43	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 23:43	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 23:43	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 23:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 23:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 23:43	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 23:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 23:43	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 23:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 23:43	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 23:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 23:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 23:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 23:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 23:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 23:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 23:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 23:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 23:43	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 23:43	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-12 **Lab ID: 9287515012** Collected: 02/08/11 12:10 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 23:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 23:43	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 23:43	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 23:43	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 23:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 23:43	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 23:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 23:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 23:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 23:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 23:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 23:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 23:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 23:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 23:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 23:43	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 23:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 23:43	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 23:43	1330-20-7	
4-Bromofluorobenzene (S)	104	%	70-130		1		02/11/11 23:43	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		02/11/11 23:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/11/11 23:43	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/11/11 23:43	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-13 **Lab ID: 9287515013** Collected: 02/08/11 13:20 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:35	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:35	7440-38-2	
Barium	**23.3J**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:35	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:35	7440-41-7	
Cadmium	**1.4**	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:35	7440-43-9	
Chromium	**2.4J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:35	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:35	7440-48-4	
Copper	**2.1J**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:35	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:35	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:35	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:35	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:35	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:35	7440-28-0	
Vanadium	**2.8J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:35	7440-62-2	
Zinc	**2.7J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:35	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 00:06	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 00:06	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/12/11 00:06	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 00:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 00:06	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 00:06	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 00:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/12/11 00:06	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 00:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 00:06	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/12/11 00:06	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 00:06	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 00:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 00:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 00:06	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 00:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 00:06	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 00:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 00:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/12/11 00:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 00:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/12/11 00:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/12/11 00:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 00:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 00:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 00:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 00:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 00:06	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 00:06	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: MW-13 **Lab ID: 9287515013** Collected: 02/08/11 13:20 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 00:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/12/11 00:06	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 00:06	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 00:06	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 00:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 00:06	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 00:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 00:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 00:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 00:06	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/12/11 00:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 00:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 00:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 00:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 00:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 00:06	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 00:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 00:06	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/12/11 00:06	1330-20-7	
4-Bromofluorobenzene (S)	102	%	70-130		1		02/12/11 00:06	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/12/11 00:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/12/11 00:06	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		02/12/11 00:06	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: SW-4 **Lab ID: 9287515014** Collected: 02/08/11 10:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:38	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:38	7440-38-2	
Barium	**224**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:38	7440-39-3	
Beryllium	**0.11J**	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:38	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:38	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:38	7440-47-3	
Cobalt	**3.8J**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:38	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:38	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:38	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:38	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:38	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:38	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:38	7440-28-0	
Vanadium	**0.62J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:38	7440-62-2	
Zinc	**7.3J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:38	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 00:29	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 00:29	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/12/11 00:29	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 00:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 00:29	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 00:29	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 00:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/12/11 00:29	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 00:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 00:29	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/12/11 00:29	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 00:29	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 00:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 00:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 00:29	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 00:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 00:29	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 00:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 00:29	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/12/11 00:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 00:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/12/11 00:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/12/11 00:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 00:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 00:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 00:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 00:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 00:29	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 00:29	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: SW-4 **Lab ID: 9287515014** Collected: 02/08/11 10:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 00:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/12/11 00:29	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 00:29	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 00:29	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 00:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 00:29	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 00:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 00:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 00:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 00:29	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/12/11 00:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 00:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 00:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 00:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 00:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 00:29	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 00:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 00:29	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/12/11 00:29	1330-20-7	
4-Bromofluorobenzene (S)	102	%	70-130		1		02/12/11 00:29	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/12/11 00:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/12/11 00:29	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		02/12/11 00:29	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: SW-5 **Lab ID: 9287515015** Collected: 02/08/11 10:55 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:41	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:41	7440-38-2	
Barium	**227**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:41	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:41	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:41	7440-43-9	
Chromium	**0.77J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:41	7440-47-3	
Cobalt	**3.8J**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:41	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:41	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:41	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:41	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:41	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:41	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:41	7440-28-0	
Vanadium	**0.94J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:41	7440-62-2	
Zinc	**9.9J**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:41	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 00:52	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 00:52	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/12/11 00:52	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 00:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 00:52	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 00:52	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 00:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/12/11 00:52	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 00:52	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 00:52	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/12/11 00:52	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 00:52	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 00:52	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 00:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 00:52	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 00:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 00:52	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 00:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 00:52	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/12/11 00:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 00:52	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/12/11 00:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/12/11 00:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 00:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 00:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 00:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 00:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 00:52	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 00:52	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: SW-5 **Lab ID: 9287515015** Collected: 02/08/11 10:55 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 00:52	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/12/11 00:52	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 00:52	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 00:52	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 00:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 00:52	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 00:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 00:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 00:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 00:52	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/12/11 00:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 00:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 00:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 00:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 00:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 00:52	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 00:52	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 00:52	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/12/11 00:52	1330-20-7	
4-Bromofluorobenzene (S)	104	%	70-130		1		02/12/11 00:52	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		02/12/11 00:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/12/11 00:52	17060-07-0	
Toluene-d8 (S)	88	%	70-130		1		02/12/11 00:52	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LE-1 **Lab ID: 9287515016** Collected: 02/08/11 16:00 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 20:44	7440-36-0	
Arsenic	**18.4**	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 20:44	7440-38-2	
Barium	**489**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 20:44	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 20:44	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 20:44	7440-43-9	
Chromium	**25.6**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:44	7440-47-3	
Cobalt	**6.6J**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 20:44	7440-48-4	
Copper	**77.9**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 20:44	7440-50-8	
Lead	**4.9J**	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 20:44	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 20:44	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 20:44	7782-49-2	
Silver	**3.0J**	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 20:44	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 20:44	7440-28-0	
Vanadium	**12.6J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 20:44	7440-62-2	
Zinc	**128**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 20:44	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 01:14	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 01:14	107-13-1	
Benzene	**2.3**	ug/L	1.0	0.25	1		02/12/11 01:14	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 01:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 01:14	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 01:14	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 01:14	74-83-9	
2-Butanone (MEK)	**24.3J**	ug/L	100	0.96	1		02/12/11 01:14	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 01:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 01:14	56-23-5	
Chlorobenzene	**0.97J**	ug/L	3.0	0.23	1		02/12/11 01:14	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 01:14	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 01:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 01:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 01:14	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 01:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 01:14	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 01:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 01:14	95-50-1	
1,4-Dichlorobenzene	**4.4**	ug/L	1.0	0.33	1		02/12/11 01:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 01:14	110-57-6	
1,1-Dichloroethane	**2.0J**	ug/L	5.0	0.32	1		02/12/11 01:14	75-34-3	
1,2-Dichloroethane	**0.36J**	ug/L	1.0	0.12	1		02/12/11 01:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 01:14	75-35-4	
cis-1,2-Dichloroethene	**1.0J**	ug/L	5.0	0.19	1		02/12/11 01:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 01:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 01:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 01:14	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 01:14	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LE-1 **Lab ID: 9287515016** Collected: 02/08/11 16:00 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 01:14	10061-02-6	
Ethylbenzene	**13.6**	ug/L	1.0	0.30	1		02/12/11 01:14	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 01:14	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 01:14	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 01:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**6.0J**	ug/L	100	0.33	1		02/12/11 01:14	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 01:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 01:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 01:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 01:14	127-18-4	
Toluene	**14.2**	ug/L	1.0	0.26	1		02/12/11 01:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 01:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 01:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 01:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 01:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 01:14	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 01:14	108-05-4	
Vinyl chloride	**0.77J**	ug/L	1.0	0.62	1		02/12/11 01:14	75-01-4	
Xylene (Total)	**53.2**	ug/L	5.0	0.66	1		02/12/11 01:14	1330-20-7	
4-Bromofluorobenzene (S)	104	%	70-130		1		02/12/11 01:14	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		02/12/11 01:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/12/11 01:14	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		02/12/11 01:14	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**39200**	ug/L	2000	2000	1	02/10/11 12:27	02/15/11 10:45		B1,B4
9040 pH	Analytical Method: EPA 9040								
pH	**7.0**	Std. Units	0.10	0.10	1		02/17/11 10:05		H6
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**52500**	ug/L	25000	25000	5		02/21/11 18:49	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	ug/L	10000	100	1		02/09/11 22:43		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**1840**	ug/L	100	100	1		02/21/11 11:12	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**246000**	ug/L	25000	25000	1		02/21/11 15:29		

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LE-2 **Lab ID: 9287515017** Collected: 02/08/11 15:02 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 21:00	7440-36-0	
Arsenic	**13.6**	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 21:00	7440-38-2	
Barium	**259**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 21:00	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 21:00	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 21:00	7440-43-9	
Chromium	**18.1**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:00	7440-47-3	
Cobalt	**39.2**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 21:00	7440-48-4	
Copper	**15.1**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 21:00	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 21:00	7439-92-1	
Nickel	**57.1**	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 21:00	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 21:00	7782-49-2	
Silver	**0.15J**	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 21:00	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 21:00	7440-28-0	
Vanadium	**9.3J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 21:00	7440-62-2	
Zinc	**53.3**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:00	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 01:37	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 01:37	107-13-1	
Benzene	**6.1**	ug/L	1.0	0.25	1		02/12/11 01:37	71-43-2	pH
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 01:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 01:37	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 01:37	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 01:37	74-83-9	
2-Butanone (MEK)	**6.9J**	ug/L	100	0.96	1		02/12/11 01:37	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 01:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 01:37	56-23-5	
Chlorobenzene	**2.1J**	ug/L	3.0	0.23	1		02/12/11 01:37	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 01:37	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 01:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 01:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 01:37	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 01:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 01:37	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 01:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 01:37	95-50-1	
1,4-Dichlorobenzene	**1.5**	ug/L	1.0	0.33	1		02/12/11 01:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 01:37	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/12/11 01:37	75-34-3	
1,2-Dichloroethane	**0.68J**	ug/L	1.0	0.12	1		02/12/11 01:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 01:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 01:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 01:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 01:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 01:37	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 01:37	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LE-2 **Lab ID: 9287515017** Collected: 02/08/11 15:02 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 01:37	10061-02-6	
Ethylbenzene	**10.3**	ug/L	1.0	0.30	1		02/12/11 01:37	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 01:37	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 01:37	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 01:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 01:37	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 01:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 01:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 01:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 01:37	127-18-4	
Toluene	**3.2**	ug/L	1.0	0.26	1		02/12/11 01:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 01:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 01:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 01:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 01:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 01:37	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 01:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 01:37	75-01-4	
Xylene (Total)	**29.6**	ug/L	5.0	0.66	1		02/12/11 01:37	1330-20-7	
4-Bromofluorobenzene (S)	105	%	70-130		1		02/12/11 01:37	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		02/12/11 01:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		02/12/11 01:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		02/12/11 01:37	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**37400**	ug/L	2000	2000	1	02/10/11 12:27	02/15/11 10:45		B1,B4
9040 pH	Analytical Method: EPA 9040								
pH	**7.1**	Std. Units	0.10	0.10	1		02/17/11 10:05		H6
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	ND	ug/L	5000	5000	1		02/22/11 14:06	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	ug/L	10000	100	1		02/09/11 22:40		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**938**	ug/L	100	100	1		02/21/11 11:13	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**583000**	ug/L	25000	25000	1		02/21/11 15:29		

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LS-4 **Lab ID: 9287515018** Collected: 02/08/11 15:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 21:04	7440-36-0	
Arsenic	**18.6**	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 21:04	7440-38-2	
Barium	**214**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 21:04	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 21:04	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 21:04	7440-43-9	
Chromium	**11.0**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:04	7440-47-3	
Cobalt	**41.9**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 21:04	7440-48-4	
Copper	**97.0**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 21:04	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 21:04	7439-92-1	
Nickel	**37.0J**	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 21:04	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 21:04	7782-49-2	
Silver	**0.39J**	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 21:04	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 21:04	7440-28-0	
Vanadium	**11.7J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 21:04	7440-62-2	
Zinc	**35.2**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:04	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 02:00	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 02:00	107-13-1	
Benzene	**4.2**	ug/L	1.0	0.25	1		02/12/11 02:00	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 02:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 02:00	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 02:00	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 02:00	74-83-9	
2-Butanone (MEK)	**57.1J**	ug/L	100	0.96	1		02/12/11 02:00	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 02:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 02:00	56-23-5	
Chlorobenzene	**1.4J**	ug/L	3.0	0.23	1		02/12/11 02:00	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 02:00	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 02:00	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 02:00	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 02:00	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 02:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 02:00	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 02:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 02:00	95-50-1	
1,4-Dichlorobenzene	**4.1**	ug/L	1.0	0.33	1		02/12/11 02:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 02:00	110-57-6	
1,1-Dichloroethane	**0.40J**	ug/L	5.0	0.32	1		02/12/11 02:00	75-34-3	
1,2-Dichloroethane	**0.48J**	ug/L	1.0	0.12	1		02/12/11 02:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 02:00	75-35-4	
cis-1,2-Dichloroethene	**0.31J**	ug/L	5.0	0.19	1		02/12/11 02:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 02:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 02:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 02:00	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 02:00	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LS-4 **Lab ID: 9287515018** Collected: 02/08/11 15:30 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 02:00	10061-02-6	
Ethylbenzene	**10.7**	ug/L	1.0	0.30	1		02/12/11 02:00	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 02:00	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 02:00	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 02:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.2J**	ug/L	100	0.33	1		02/12/11 02:00	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 02:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 02:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 02:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 02:00	127-18-4	
Toluene	**22.1**	ug/L	1.0	0.26	1		02/12/11 02:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 02:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 02:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 02:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 02:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 02:00	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 02:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 02:00	75-01-4	
Xylene (Total)	**20.5**	ug/L	5.0	0.66	1		02/12/11 02:00	1330-20-7	
4-Bromofluorobenzene (S)	105	%	70-130		1		02/12/11 02:00	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		02/12/11 02:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		02/12/11 02:00	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		02/12/11 02:00	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**39800**	ug/L	2000	2000	1	02/10/11 12:27	02/15/11 10:45		B1,B4
9040 pH	Analytical Method: EPA 9040								
pH	**7.0**	Std. Units	0.10	0.10	1		02/17/11 10:05		H6
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	ND	ug/L	5000	5000	1		02/22/11 14:20	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND	ug/L	10000	100	1		02/09/11 22:41		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**394**	ug/L	100	100	1		02/21/11 11:14	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**593000**	ug/L	25000	25000	1		02/21/11 15:29		

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LS-5 **Lab ID: 9287515019** Collected: 02/08/11 14:18 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 21:08	7440-36-0	
Arsenic	**8.6J**	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 21:08	7440-38-2	
Barium	**102**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 21:08	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 21:08	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 21:08	7440-43-9	
Chromium	**14.0**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:08	7440-47-3	
Cobalt	**15.5**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 21:08	7440-48-4	
Copper	**202**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 21:08	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 21:08	7439-92-1	
Nickel	**53.4**	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 21:08	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 21:08	7782-49-2	
Silver	**0.29J**	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 21:08	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 21:08	7440-28-0	
Vanadium	**3.6J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 21:08	7440-62-2	
Zinc	**89.6**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:08	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 02:23	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 02:23	107-13-1	
Benzene	**2.4**	ug/L	1.0	0.25	1		02/12/11 02:23	71-43-2	pH
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 02:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 02:23	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 02:23	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 02:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/12/11 02:23	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 02:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 02:23	56-23-5	
Chlorobenzene	**0.48J**	ug/L	3.0	0.23	1		02/12/11 02:23	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 02:23	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 02:23	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 02:23	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 02:23	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 02:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 02:23	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 02:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 02:23	95-50-1	
1,4-Dichlorobenzene	**6.2**	ug/L	1.0	0.33	1		02/12/11 02:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 02:23	110-57-6	
1,1-Dichloroethane	**1.6J**	ug/L	5.0	0.32	1		02/12/11 02:23	75-34-3	
1,2-Dichloroethane	**0.28J**	ug/L	1.0	0.12	1		02/12/11 02:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 02:23	75-35-4	
cis-1,2-Dichloroethene	**0.75J**	ug/L	5.0	0.19	1		02/12/11 02:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 02:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 02:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 02:23	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 02:23	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LS-5 **Lab ID: 9287515019** Collected: 02/08/11 14:18 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 02:23	10061-02-6	
Ethylbenzene	**10.1**	ug/L	1.0	0.30	1		02/12/11 02:23	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 02:23	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 02:23	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 02:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 02:23	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 02:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 02:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 02:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 02:23	127-18-4	
Toluene	**6.6**	ug/L	1.0	0.26	1		02/12/11 02:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 02:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 02:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 02:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 02:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 02:23	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 02:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 02:23	75-01-4	
Xylene (Total)	**22.4**	ug/L	5.0	0.66	1		02/12/11 02:23	1330-20-7	
4-Bromofluorobenzene (S)	105	%	70-130		1		02/12/11 02:23	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		02/12/11 02:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		02/12/11 02:23	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		02/12/11 02:23	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**40400**	ug/L	2000	2000	1	02/10/11 12:27	02/15/11 10:45		B1,B4
9040 pH	Analytical Method: EPA 9040								
pH	**7.3**	Std. Units	0.10	0.10	1		02/17/11 10:05		H6
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**16400**	ug/L	5000	5000	1		02/22/11 14:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**5030J**	ug/L	40000	400	4		02/09/11 22:56		M1
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**1410**	ug/L	100	100	1		02/21/11 11:14	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**526000**	ug/L	25000	25000	1		02/21/11 15:29		

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LS-6 **Lab ID: 9287515020** Collected: 02/08/11 14:41 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 21:12	7440-36-0	
Arsenic	**13.2**	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 21:12	7440-38-2	
Barium	**261**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 21:12	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 21:12	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 21:12	7440-43-9	
Chromium	**15.2**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:12	7440-47-3	
Cobalt	**24.9**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 21:12	7440-48-4	
Copper	**2.7J**	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 21:12	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 21:12	7439-92-1	
Nickel	**31.6J**	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 21:12	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 21:12	7782-49-2	
Silver	**0.19J**	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 21:12	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 21:12	7440-28-0	
Vanadium	**6.7J**	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 21:12	7440-62-2	
Zinc	**240**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:12	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 02:46	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 02:46	107-13-1	
Benzene	**15.3**	ug/L	1.0	0.25	1		02/12/11 02:46	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 02:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 02:46	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 02:46	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 02:46	74-83-9	
2-Butanone (MEK)	**151**	ug/L	100	0.96	1		02/12/11 02:46	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 02:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 02:46	56-23-5	
Chlorobenzene	**2.9J**	ug/L	3.0	0.23	1		02/12/11 02:46	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 02:46	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 02:46	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 02:46	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 02:46	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 02:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 02:46	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 02:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 02:46	95-50-1	
1,4-Dichlorobenzene	**3.4**	ug/L	1.0	0.33	1		02/12/11 02:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 02:46	110-57-6	
1,1-Dichloroethane	**1.1J**	ug/L	5.0	0.32	1		02/12/11 02:46	75-34-3	
1,2-Dichloroethane	**1.1**	ug/L	1.0	0.12	1		02/12/11 02:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 02:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 02:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 02:46	156-60-5	
1,2-Dichloropropane	**0.91J**	ug/L	1.0	0.27	1		02/12/11 02:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 02:46	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 02:46	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

Sample: LS-6 **Lab ID: 9287515020** Collected: 02/08/11 14:41 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 02:46	10061-02-6	
Ethylbenzene	**22.8**	ug/L	1.0	0.30	1		02/12/11 02:46	100-41-4	
2-Hexanone	**7.3J**	ug/L	50.0	0.46	1		02/12/11 02:46	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 02:46	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 02:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	**14.1J**	ug/L	100	0.33	1		02/12/11 02:46	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 02:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 02:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 02:46	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 02:46	127-18-4	
Toluene	**6.6**	ug/L	1.0	0.26	1		02/12/11 02:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 02:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 02:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 02:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 02:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 02:46	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 02:46	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 02:46	75-01-4	
Xylene (Total)	**52.4**	ug/L	5.0	0.66	1		02/12/11 02:46	1330-20-7	
4-Bromofluorobenzene (S)	108	%	70-130		1		02/12/11 02:46	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		02/12/11 02:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/12/11 02:46	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		02/12/11 02:46	2037-26-5	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**40100**	ug/L	2000	2000	1	02/10/11 12:27	02/15/11 10:45		B1,B4
9040 pH	Analytical Method: EPA 9040								
pH	**6.9**	Std. Units	0.10	0.10	1		02/17/11 10:05		H6
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**12300**	ug/L	5000	5000	1		02/22/11 14:47	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**3090J**	ug/L	10000	100	1		02/09/11 22:29		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1								
Phosphorus	**1010**	ug/L	100	100	1		02/21/11 11:15	7723-14-0	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**469000**	ug/L	25000	25000	1		02/21/11 15:29		

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: MPRP/7865 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9287515001, 9287515002, 9287515003, 9287515004, 9287515005, 9287515006, 9287515008

METHOD BLANK: 562887 Matrix: Water
Associated Lab Samples: 9287515001, 9287515002, 9287515003, 9287515004, 9287515005, 9287515006, 9287515008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	02/23/11 05:42	
Arsenic	ug/L	ND	10.0	02/23/11 05:42	
Barium	ug/L	0.26J	100	02/23/11 05:42	
Beryllium	ug/L	ND	1.0	02/23/11 05:42	
Cadmium	ug/L	ND	1.0	02/23/11 05:42	
Chromium	ug/L	ND	10.0	02/23/11 05:42	
Cobalt	ug/L	ND	10.0	02/23/11 05:42	
Copper	ug/L	ND	10.0	02/23/11 05:42	
Lead	ug/L	ND	10.0	02/23/11 05:42	
Nickel	ug/L	ND	50.0	02/23/11 05:42	
Selenium	ug/L	ND	10.0	02/23/11 05:42	
Silver	ug/L	ND	10.0	02/23/11 05:42	
Thallium	ug/L	ND	5.5	02/23/11 05:42	
Vanadium	ug/L	ND	25.0	02/23/11 05:42	
Zinc	ug/L	3.7J	10.0	02/23/11 05:42	

LABORATORY CONTROL SAMPLE: 562888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	477	95	80-120	
Arsenic	ug/L	500	474	95	80-120	
Barium	ug/L	500	485	97	80-120	
Beryllium	ug/L	500	483	97	80-120	
Cadmium	ug/L	500	474	95	80-120	
Chromium	ug/L	500	463	93	80-120	
Cobalt	ug/L	500	478	96	80-120	
Copper	ug/L	500	481	96	80-120	
Lead	ug/L	500	483	97	80-120	
Nickel	ug/L	500	477	95	80-120	
Selenium	ug/L	500	470	94	80-120	
Silver	ug/L	250	244	98	80-120	
Thallium	ug/L	500	472	94	80-120	
Vanadium	ug/L	500	471	94	80-120	
Zinc	ug/L	500	468	94	80-120	

MATRIX SPIKE SAMPLE: 562889

Parameter	Units	9287361001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	473	95	75-125	
Arsenic	ug/L	ND	500	478	96	75-125	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

MATRIX SPIKE SAMPLE: 562889

Parameter	Units	9287361001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	70.5	500	542	94	75-125	
Beryllium	ug/L	ND	500	473	95	75-125	
Cadmium	ug/L	ND	500	462	92	75-125	
Chromium	ug/L	7.9	500	461	91	75-125	
Cobalt	ug/L	ND	500	467	93	75-125	
Copper	ug/L	0.30J	500	479	96	75-125	
Lead	ug/L	ND	500	461	92	75-125	
Nickel	ug/L	ND	500	464	93	75-125	
Selenium	ug/L	ND	500	476	95	75-125	
Silver	ug/L	0.66J	250	240	96	75-125	
Thallium	ug/L	ND	500	462	92	75-125	
Vanadium	ug/L	0.82J	500	467	93	75-125	
Zinc	ug/L	3.6J	500	462	92	75-125	

SAMPLE DUPLICATE: 562890

Parameter	Units	9287361002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	3.3J	ND		25	
Barium	ug/L	61.0	62.6J	3	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	0.74J	0.43J		25	
Cobalt	ug/L	4.9J	ND		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	31.8	29.0	9	25	
Silver	ug/L	1.7J	1.7J		25	
Thallium	ug/L	8.6	4.2J		25	
Vanadium	ug/L	0.22J	ND		25	
Zinc	ug/L	3.9J	3.6J		25	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: MPRP/7866 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9287515009, 9287515010, 9287515011, 9287515012, 9287515013, 9287515014, 9287515015, 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

METHOD BLANK: 562891 Matrix: Water
Associated Lab Samples: 9287515009, 9287515010, 9287515011, 9287515012, 9287515013, 9287515014, 9287515015, 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	02/24/11 19:59	
Arsenic	ug/L	2.9J	10.0	02/24/11 19:59	
Barium	ug/L	ND	100	02/24/11 19:59	
Beryllium	ug/L	ND	1.0	02/24/11 19:59	
Cadmium	ug/L	ND	1.0	02/24/11 19:59	
Chromium	ug/L	ND	10.0	02/24/11 19:59	
Cobalt	ug/L	3.6J	10.0	02/24/11 19:59	
Copper	ug/L	ND	10.0	02/24/11 19:59	
Lead	ug/L	ND	10.0	02/24/11 19:59	
Nickel	ug/L	ND	50.0	02/24/11 19:59	
Selenium	ug/L	ND	10.0	02/24/11 19:59	
Silver	ug/L	ND	10.0	02/24/11 19:59	
Thallium	ug/L	ND	5.5	02/24/11 19:59	
Vanadium	ug/L	ND	25.0	02/24/11 19:59	
Zinc	ug/L	2.6J	10.0	02/24/11 19:59	

LABORATORY CONTROL SAMPLE: 562892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	494	99	80-120	
Arsenic	ug/L	500	489	98	80-120	
Barium	ug/L	500	495	99	80-120	
Beryllium	ug/L	500	507	101	80-120	
Cadmium	ug/L	500	505	101	80-120	
Chromium	ug/L	500	496	99	80-120	
Cobalt	ug/L	500	500	100	80-120	
Copper	ug/L	500	492	98	80-120	
Lead	ug/L	500	498	100	80-120	
Nickel	ug/L	500	500	100	80-120	
Selenium	ug/L	500	479	96	80-120	
Silver	ug/L	250	251	100	80-120	
Thallium	ug/L	500	470	94	80-120	
Vanadium	ug/L	500	495	99	80-120	
Zinc	ug/L	500	492	98	80-120	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

MATRIX SPIKE SAMPLE: 562893

Parameter	Units	9287515009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	480	96	75-125	
Arsenic	ug/L	ND	500	482	96	75-125	
Barium	ug/L	34.4J	500	513	96	75-125	
Beryllium	ug/L	ND	500	497	99	75-125	
Cadmium	ug/L	ND	500	491	98	75-125	
Chromium	ug/L	0.74J	500	484	97	75-125	
Cobalt	ug/L	ND	500	484	97	75-125	
Copper	ug/L	0.52J	500	480	96	75-125	
Lead	ug/L	ND	500	478	96	75-125	
Nickel	ug/L	ND	500	485	97	75-125	
Selenium	ug/L	ND	500	476	95	75-125	
Silver	ug/L	ND	250	246	98	75-125	
Thallium	ug/L	ND	500	457	91	75-125	
Vanadium	ug/L	0.86J	500	484	97	75-125	
Zinc	ug/L	1.5J	500	480	96	75-125	

SAMPLE DUPLICATE: 562894

Parameter	Units	9287515010 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	3.2J	3.2J		25	
Barium	ug/L	32.8J	33.9J	3	25	
Beryllium	ug/L	0.17J	0.16J		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	1.7J	2.1J		25	
Cobalt	ug/L	1.7J	4.5J		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	2.3J		25	
Selenium	ug/L	7.8J	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	8.7	ND		25	
Vanadium	ug/L	2.0J	2.5J		25	
Zinc	ug/L	3.7J	7.3J		25	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: MPRP/7947
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9287515007

METHOD BLANK: 571333
Matrix: Water
Associated Lab Samples: 9287515007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	03/02/11 17:03	
Arsenic	ug/L	ND	10.0	03/02/11 17:03	
Barium	ug/L	ND	100	03/02/11 17:03	
Beryllium	ug/L	ND	1.0	03/02/11 17:03	
Cadmium	ug/L	ND	1.0	03/02/11 17:03	
Chromium	ug/L	ND	10.0	03/02/11 17:03	
Cobalt	ug/L	3.8J	10.0	03/02/11 17:03	
Copper	ug/L	ND	10.0	03/02/11 17:03	
Lead	ug/L	ND	10.0	03/02/11 17:03	
Nickel	ug/L	ND	50.0	03/02/11 17:03	
Selenium	ug/L	ND	10.0	03/02/11 17:03	
Silver	ug/L	ND	10.0	03/02/11 17:03	
Thallium	ug/L	ND	5.5	03/02/11 17:03	
Vanadium	ug/L	ND	25.0	03/02/11 17:03	
Zinc	ug/L	3.8J	10.0	03/02/11 17:03	

LABORATORY CONTROL SAMPLE: 571334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	476	95	80-120	
Arsenic	ug/L	500	482	96	80-120	
Barium	ug/L	500	491	98	80-120	
Beryllium	ug/L	500	503	101	80-120	
Cadmium	ug/L	500	484	97	80-120	
Chromium	ug/L	500	486	97	80-120	
Cobalt	ug/L	500	489	98	80-120	
Copper	ug/L	500	491	98	80-120	
Lead	ug/L	500	480	96	80-120	
Nickel	ug/L	500	484	97	80-120	
Selenium	ug/L	500	476	95	80-120	
Silver	ug/L	250	240	96	80-120	
Thallium	ug/L	500	477	95	80-120	
Vanadium	ug/L	500	493	99	80-120	
Zinc	ug/L	500	479	96	80-120	

MATRIX SPIKE SAMPLE: 571335

Parameter	Units	9287515007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	482	96	75-125	
Arsenic	ug/L	ND	500	493	99	75-125	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

MATRIX SPIKE SAMPLE: 571335

Parameter	Units	9287515007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	14.6J	500	506	98	75-125	
Beryllium	ug/L	ND	500	510	102	75-125	
Cadmium	ug/L	ND	500	486	97	75-125	
Chromium	ug/L	ND	500	489	98	75-125	
Cobalt	ug/L	0.60J	500	492	98	75-125	
Copper	ug/L	0.30J	500	496	99	75-125	
Lead	ug/L	ND	500	479	96	75-125	
Nickel	ug/L	6.6J	500	491	97	75-125	
Selenium	ug/L	6.5J	500	485	96	75-125	
Silver	ug/L	ND	250	242	97	75-125	
Thallium	ug/L	5.2J	500	476	94	75-125	
Vanadium	ug/L	ND	500	497	99	75-125	
Zinc	ug/L	36.1	500	523	97	75-125	

SAMPLE DUPLICATE: 571336

Parameter	Units	9288254003 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	14.5	12.3	16	25	
Barium	ug/L	305	310	2	25	
Beryllium	ug/L	ND	0.13J		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	ND	2.8J		25	
Cobalt	ug/L	9.2	15.1	49	25	R1
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	3.1J		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	0.11J		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	ND	3.2J		25	
Zinc	ug/L	13.0	27.2	71	25	R1

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: MSV/14006 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9287515001, 9287515002, 9287515003, 9287515004, 9287515005, 9287515006, 9287515007, 9287515008, 9287515009, 9287515010

METHOD BLANK: 562953 Matrix: Water
Associated Lab Samples: 9287515001, 9287515002, 9287515003, 9287515004, 9287515005, 9287515006, 9287515007, 9287515008, 9287515009, 9287515010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/11/11 10:24	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/11/11 10:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/11/11 10:24	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/11/11 10:24	
1,1-Dichloroethane	ug/L	ND	5.0	02/11/11 10:24	
1,1-Dichloroethene	ug/L	ND	5.0	02/11/11 10:24	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/11/11 10:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/11/11 10:24	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/11/11 10:24	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/11/11 10:24	
1,2-Dichloroethane	ug/L	ND	1.0	02/11/11 10:24	
1,2-Dichloropropane	ug/L	ND	1.0	02/11/11 10:24	
1,3-Dichloropropane	ug/L	ND	1.0	02/11/11 10:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/11/11 10:24	
2-Butanone (MEK)	ug/L	ND	100	02/11/11 10:24	
2-Hexanone	ug/L	ND	50.0	02/11/11 10:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/11/11 10:24	
Acetone	ug/L	ND	100	02/11/11 10:24	
Acrylonitrile	ug/L	ND	200	02/11/11 10:24	
Benzene	ug/L	ND	1.0	02/11/11 10:24	
Bromochloromethane	ug/L	ND	3.0	02/11/11 10:24	
Bromodichloromethane	ug/L	ND	1.0	02/11/11 10:24	
Bromoform	ug/L	ND	3.0	02/11/11 10:24	
Bromomethane	ug/L	ND	10.0	02/11/11 10:24	
Carbon disulfide	ug/L	ND	100	02/11/11 10:24	
Carbon tetrachloride	ug/L	ND	1.0	02/11/11 10:24	
Chlorobenzene	ug/L	ND	3.0	02/11/11 10:24	
Chloroethane	ug/L	ND	10.0	02/11/11 10:24	
Chloroform	ug/L	ND	5.0	02/11/11 10:24	
Chloromethane	ug/L	ND	1.0	02/11/11 10:24	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 10:24	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 10:24	
Dibromochloromethane	ug/L	ND	3.0	02/11/11 10:24	
Dibromomethane	ug/L	ND	10.0	02/11/11 10:24	
Ethylbenzene	ug/L	ND	1.0	02/11/11 10:24	
Iodomethane	ug/L	ND	10.0	02/11/11 10:24	
Methylene Chloride	ug/L	ND	1.0	02/11/11 10:24	
Styrene	ug/L	ND	1.0	02/11/11 10:24	
Tetrachloroethene	ug/L	ND	1.0	02/11/11 10:24	
Toluene	ug/L	ND	1.0	02/11/11 10:24	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 10:24	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

METHOD BLANK: 562953 Matrix: Water

Associated Lab Samples: 9287515001, 9287515002, 9287515003, 9287515004, 9287515005, 9287515006, 9287515007, 9287515008, 9287515009, 9287515010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 10:24	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/11/11 10:24	
Trichloroethene	ug/L	ND	1.0	02/11/11 10:24	
Trichlorofluoromethane	ug/L	ND	1.0	02/11/11 10:24	
Vinyl acetate	ug/L	ND	50.0	02/11/11 10:24	
Vinyl chloride	ug/L	ND	1.0	02/11/11 10:24	
Xylene (Total)	ug/L	ND	5.0	02/11/11 10:24	
1,2-Dichloroethane-d4 (S)	%	98	70-130	02/11/11 10:24	
4-Bromofluorobenzene (S)	%	99	70-130	02/11/11 10:24	
Dibromofluoromethane (S)	%	96	70-130	02/11/11 10:24	
Toluene-d8 (S)	%	88	70-130	02/11/11 10:24	

LABORATORY CONTROL SAMPLE: 562954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	70-130	
1,1,1-Trichloroethane	ug/L	50	41.9	84	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.5	95	70-130	
1,1,2-Trichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethane	ug/L	50	42.3	85	70-130	
1,1-Dichloroethene	ug/L	50	40.5	81	70-132	
1,2,3-Trichloropropane	ug/L	50	47.2	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.0	96	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.7	95	70-130	
1,2-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,2-Dichloroethane	ug/L	50	41.2	82	70-130	
1,2-Dichloropropane	ug/L	50	45.8	92	70-130	
1,3-Dichloropropane	ug/L	50	50.5	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.3	99	70-130	
2-Butanone (MEK)	ug/L	100	80.0J	80	70-145	
2-Hexanone	ug/L	100	90.4	90	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.5J	90	70-140	
Acetone	ug/L	100	69.5J	70	50-175	
Acrylonitrile	ug/L	250	201	80	70-143	
Benzene	ug/L	50	44.0	88	70-130	
Bromochloromethane	ug/L	50	43.7	87	70-130	
Bromodichloromethane	ug/L	50	45.7	91	70-130	
Bromoform	ug/L	50	49.7	99	70-130	
Bromomethane	ug/L	50	45.4	91	54-130	
Carbon disulfide	ug/L	50	37.6J	75	70-131	
Carbon tetrachloride	ug/L	50	45.9	92	70-132	
Chlorobenzene	ug/L	50	47.6	95	70-130	
Chloroethane	ug/L	50	39.4	79	64-134	
Chloroform	ug/L	50	41.8	84	70-130	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

LABORATORY CONTROL SAMPLE: 562954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	38.2	76	64-130	
cis-1,2-Dichloroethene	ug/L	50	40.6	81	70-131	
cis-1,3-Dichloropropene	ug/L	50	46.6	93	70-130	
Dibromochloromethane	ug/L	50	47.6	95	70-130	
Dibromomethane	ug/L	50	46.0	92	70-131	
Ethylbenzene	ug/L	50	50.0	100	70-130	
Iodomethane	ug/L	100	83.2	83	49-180	
Methylene Chloride	ug/L	50	45.4	91	63-130	
Styrene	ug/L	50	49.9	100	70-130	
Tetrachloroethene	ug/L	50	47.9	96	70-130	
Toluene	ug/L	50	46.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	50	40.2	80	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.4	95	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	48.2J	96	70-141	
Trichloroethene	ug/L	50	47.3	95	70-130	
Trichlorofluoromethane	ug/L	50	41.4	83	62-133	
Vinyl acetate	ug/L	100	81.7	82	66-157	
Vinyl chloride	ug/L	50	46.7	93	69-130	
Xylene (Total)	ug/L	150	151	101	70-130	
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562955 562956

Parameter	Units	9287515003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	45.9	46.0	92	92	70-166	0	30	
Benzene	ug/L	ND	50	50	51.0	50.7	102	101	70-148	1	30	
Chlorobenzene	ug/L	ND	50	50	55.9	58.1	112	116	70-146	4	30	
Toluene	ug/L	ND	50	50	53.5	52.9	107	106	70-155	1	30	
Trichloroethene	ug/L	ND	50	50	48.1	53.4	96	107	69-151	11	30	
1,2-Dichloroethane-d4 (S)	%						97	96	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Dibromofluoromethane (S)	%						94	93	70-130			
Toluene-d8 (S)	%						90	89	70-130			

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: MSV/14019 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9287515011, 9287515012, 9287515013, 9287515014, 9287515015, 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

METHOD BLANK: 563189 Matrix: Water
Associated Lab Samples: 9287515011, 9287515012, 9287515013, 9287515014, 9287515015, 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/11/11 21:26	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/11/11 21:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,1-Dichloroethane	ug/L	ND	5.0	02/11/11 21:26	
1,1-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/11/11 21:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/11/11 21:26	
1,2-Dichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,3-Dichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/11/11 21:26	
2-Butanone (MEK)	ug/L	ND	100	02/11/11 21:26	
2-Hexanone	ug/L	ND	50.0	02/11/11 21:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/11/11 21:26	
Acetone	ug/L	ND	100	02/11/11 21:26	
Acrylonitrile	ug/L	ND	200	02/11/11 21:26	
Benzene	ug/L	ND	1.0	02/11/11 21:26	
Bromochloromethane	ug/L	ND	3.0	02/11/11 21:26	
Bromodichloromethane	ug/L	ND	1.0	02/11/11 21:26	
Bromoform	ug/L	ND	3.0	02/11/11 21:26	
Bromomethane	ug/L	ND	10.0	02/11/11 21:26	
Carbon disulfide	ug/L	ND	100	02/11/11 21:26	
Carbon tetrachloride	ug/L	ND	1.0	02/11/11 21:26	
Chlorobenzene	ug/L	ND	3.0	02/11/11 21:26	
Chloroethane	ug/L	ND	10.0	02/11/11 21:26	
Chloroform	ug/L	ND	5.0	02/11/11 21:26	
Chloromethane	ug/L	ND	1.0	02/11/11 21:26	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 21:26	
Dibromochloromethane	ug/L	ND	3.0	02/11/11 21:26	
Dibromomethane	ug/L	ND	10.0	02/11/11 21:26	
Ethylbenzene	ug/L	ND	1.0	02/11/11 21:26	
Iodomethane	ug/L	ND	10.0	02/11/11 21:26	
Methylene Chloride	ug/L	ND	1.0	02/11/11 21:26	
Styrene	ug/L	ND	1.0	02/11/11 21:26	
Tetrachloroethene	ug/L	ND	1.0	02/11/11 21:26	
Toluene	ug/L	ND	1.0	02/11/11 21:26	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

METHOD BLANK: 563189 Matrix: Water

Associated Lab Samples: 9287515011, 9287515012, 9287515013, 9287515014, 9287515015, 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 21:26	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/11/11 21:26	
Trichloroethene	ug/L	ND	1.0	02/11/11 21:26	
Trichlorofluoromethane	ug/L	ND	1.0	02/11/11 21:26	
Vinyl acetate	ug/L	ND	50.0	02/11/11 21:26	
Vinyl chloride	ug/L	ND	1.0	02/11/11 21:26	
Xylene (Total)	ug/L	ND	5.0	02/11/11 21:26	
1,2-Dichloroethane-d4 (S)	%	95	70-130	02/11/11 21:26	
4-Bromofluorobenzene (S)	%	100	70-130	02/11/11 21:26	
Dibromofluoromethane (S)	%	95	70-130	02/11/11 21:26	
Toluene-d8 (S)	%	93	70-130	02/11/11 21:26	

LABORATORY CONTROL SAMPLE: 563190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	70-130	
1,1,1-Trichloroethane	ug/L	50	45.6	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	70-130	
1,1,2-Trichloroethane	ug/L	50	46.8	94	70-130	
1,1-Dichloroethane	ug/L	50	44.9	90	70-130	
1,1-Dichloroethene	ug/L	50	46.9	94	70-132	
1,2,3-Trichloropropane	ug/L	50	45.5	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	70-130	
1,2-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,2-Dichloroethane	ug/L	50	43.1	86	70-130	
1,2-Dichloropropane	ug/L	50	47.1	94	70-130	
1,3-Dichloropropane	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	47.8	96	70-130	
2-Butanone (MEK)	ug/L	100	78.7J	79	70-145	
2-Hexanone	ug/L	100	87.1	87	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.9J	85	70-140	
Acetone	ug/L	100	72.1J	72	50-175	
Acrylonitrile	ug/L	250	209	84	70-143	
Benzene	ug/L	50	48.1	96	70-130	
Bromochloromethane	ug/L	50	46.2	92	70-130	
Bromodichloromethane	ug/L	50	47.5	95	70-130	
Bromoform	ug/L	50	48.7	97	70-130	
Bromomethane	ug/L	50	57.5	115	54-130	
Carbon disulfide	ug/L	50	48.4J	97	70-131	
Carbon tetrachloride	ug/L	50	49.2	98	70-132	
Chlorobenzene	ug/L	50	47.9	96	70-130	
Chloroethane	ug/L	50	48.8	98	64-134	
Chloroform	ug/L	50	44.6	89	70-130	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

LABORATORY CONTROL SAMPLE: 563190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	47.7	95	64-130	
cis-1,2-Dichloroethene	ug/L	50	45.1	90	70-131	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	70-130	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dibromomethane	ug/L	50	46.5	93	70-131	
Ethylbenzene	ug/L	50	52.5	105	70-130	
Iodomethane	ug/L	100	99.4	99	49-180	
Methylene Chloride	ug/L	50	48.3	97	63-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	48.0	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.1	92	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	42.7J	85	70-141	
Trichloroethene	ug/L	50	51.8	104	70-130	
Trichlorofluoromethane	ug/L	50	50.4	101	62-133	
Vinyl acetate	ug/L	100	95.2	95	66-157	
Vinyl chloride	ug/L	50	53.9	108	69-130	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563191 563192

Parameter	Units	9287514001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	43.1	40.2	86	80	70-166	7	30	
Benzene	ug/L	ND	50	50	49.0	45.2	98	90	70-148	8	30	
Chlorobenzene	ug/L	ND	50	50	54.2	49.8	108	99	70-146	9	30	
Toluene	ug/L	ND	50	50	50.6	47.2	101	94	70-155	7	30	
Trichloroethene	ug/L	ND	50	50	43.3	40.8	87	82	69-151	6	30	
1,2-Dichloroethane-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						100	98	70-130			
Dibromofluoromethane (S)	%						94	94	70-130			
Toluene-d8 (S)	%						89	90	70-130			

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: WET/15323 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

METHOD BLANK: 562198 Matrix: Water
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	ug/L	ND	2000	02/15/11 10:45	

LABORATORY CONTROL SAMPLE: 562199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	ug/L	198000	162000	82	84-115	B4

SAMPLE DUPLICATE: 562200

Parameter	Units	9287512002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	ug/L	6150	8570	33	20	B4,R1

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: WET/15419 Analysis Method: EPA 9040
QC Batch Method: EPA 9040 Analysis Description: 9040 pH
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

SAMPLE DUPLICATE: 565578

Parameter	Units	9287361007 Result	Dup Result	RPD	Max RPD	Qualifiers
pH	Std. Units	5.3	4.9	8	20	D6,H6

SAMPLE DUPLICATE: 565579

Parameter	Units	9287639002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH	Std. Units	6.2	6.2	1	20	H6

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: WETA/9164 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

METHOD BLANK: 567419 Matrix: Water
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	5000	02/21/11 17:01	

LABORATORY CONTROL SAMPLE: 567420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20000	20200	101	90-110	

MATRIX SPIKE SAMPLE: 567423

Parameter	Units	9287753002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	5.6 mg/L	20000	25900	101	90-110	

MATRIX SPIKE SAMPLE: 568041

Parameter	Units	9287500002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	ND	20000	94300	472	90-110	M6

SAMPLE DUPLICATE: 567422

Parameter	Units	9287512001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	ND	ND		20	

SAMPLE DUPLICATE: 567424

Parameter	Units	9287753003 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	7.2 mg/L	7210	0	20	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: WETA/9094 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

METHOD BLANK: 562161 — Matrix: Water
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	ug/L	ND	10000	02/09/11 22:18	

LABORATORY CONTROL SAMPLE: 562162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	5000	4930J	99	90-110	

MATRIX SPIKE SAMPLE: 562163

Parameter	Units	9287512002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	ND	5000	3920J	78	90-110	M1

MATRIX SPIKE SAMPLE: 562164

Parameter	Units	9287515019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	ug/L	5030J	5000	16400J	227	90-110	M1

SAMPLE DUPLICATE: 562165

Parameter	Units	9287515020 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	ug/L	3090J	3090J	0	20	

SAMPLE DUPLICATE: 562166

Parameter	Units	9287439001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	ug/L	0.58 mg/L	585J	1	20	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: WETA/9156 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Phosphorus, Total
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

METHOD BLANK: 567084 Matrix: Water
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	ug/L	ND	100	02/21/11 11:03	

LABORATORY CONTROL SAMPLE: 567085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	ug/L	2500	2370	95	90-110	

MATRIX SPIKE SAMPLE: 567086

Parameter	Units	9287359001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	ug/L	ND	2500	2160	85	90-110	M1

MATRIX SPIKE SAMPLE: 567091

Parameter	Units	9287446003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus	ug/L	33.1 mg/L	2500	36700	147	90-110	M6

SAMPLE DUPLICATE: 567090

Parameter	Units	9287419001 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	ug/L	4.2 mg/L	4250	0	20	

SAMPLE DUPLICATE: 567092

Parameter	Units	9287359003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

QC Batch: WETA/9161 Analysis Method: SM 5220D
QC Batch Method: SM 5220D Analysis Description: 5220D COD
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

METHOD BLANK: 567221 Matrix: Water
Associated Lab Samples: 9287515016, 9287515017, 9287515018, 9287515019, 9287515020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	ug/L	ND	25000	02/21/11 15:29	

LABORATORY CONTROL SAMPLE: 567222

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	750000	732000	98	90-110	

MATRIX SPIKE SAMPLE: 567224

Parameter	Units	9287298029 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	ND	750000	1440000	189	75-125	M1

MATRIX SPIKE SAMPLE: 567226

Parameter	Units	9287298030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	ND	750000	1270000	167	75-125	M1

SAMPLE DUPLICATE: 567223

Parameter	Units	9287298029 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	ND	25000		20	

SAMPLE DUPLICATE: 567225

Parameter	Units	9287515020 Result	Dup Result	RPD	Max RPD	Qualifiers
Chemical Oxygen Demand	ug/L	469000	469000	0	20	

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QUALIFIERS

Project: WAYNE LINES MSWLF
Pace Project No.: 9287515

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.

Pace Analytical is NELAP 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

B1	Less than 1.0 mg/L DO remained for all dilutions set. The reported value is an estimated greater than value and is calculated for the dilution using the least amount of sample.
B4	The glucose/glutamic acid standard exceeded the range of 198 plus or minus 30.5 mg/L.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H6	Analysis initiated more than 15 minutes after sample collection.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1	RPD value was outside control limits.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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March 02, 2011

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: WAYNE BLANKS
Pace Project No.: 9287624

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 10, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC 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,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE BLANKS
Pace Project No.: 9287624

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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SAMPLE SUMMARY

Project: WAYNE BLANKS
Pace Project No.: 9287624

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9287624001	**EB**	Water	02/09/11 10:00	02/10/11 15:43
9287624002	**FB**	Water	02/09/11 10:40	02/10/11 15:43
9287624003	**TB**	Water	02/09/11 00:00	02/10/11 15:43

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SAMPLE ANALYTE COUNT

Project: WAYNE BLANKS
Pace Project No.: 9287624

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9287624001	**EB**	EPA 6010	JMW	16	PASI-A
		EPA 7470	EWS	1	PASI-A
		EPA 8260	TLS	68	PASI-C
9287624002	**FB**	EPA 8260	TLS	68	PASI-C
9287624003	**TB**	EPA 8260	TLS	68	PASI-C

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ANALYTICAL RESULTS

Project: WAYNE BLANKS
Pace Project No.: 9287624

Sample: EB **Lab ID: 9287624001** Collected: 02/09/11 10:00 Received: 02/10/11 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:45	02/24/11 21:29	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:45	02/24/11 21:29	7440-38-2	
Barium	**14.3J**	ug/L	100	0.20	1	02/12/11 09:45	02/24/11 21:29	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:45	02/24/11 21:29	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:45	02/24/11 21:29	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:29	7440-47-3	
Cobalt	**3.4J**	ug/L	10.0	0.60	1	02/12/11 09:45	02/24/11 21:29	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	02/12/11 09:45	02/24/11 21:29	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:45	02/24/11 21:29	7439-92-1	
Nickel	**6.6J**	ug/L	50.0	1.7	1	02/12/11 09:45	02/24/11 21:29	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:45	02/24/11 21:29	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:45	02/24/11 21:29	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:45	02/24/11 21:29	7440-28-0	
Tin	**2.4J**	ug/L	100	1.8	1	02/12/11 09:45	02/24/11 21:29	7440-31-5	
Vanadium	ND	ug/L	25.0	0.20	1	02/12/11 09:45	02/24/11 21:29	7440-62-2	
Zinc	**32.6**	ug/L	10.0	0.40	1	02/12/11 09:45	02/24/11 21:29	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/22/11 16:30	03/01/11 17:42	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 03:54	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		02/12/11 03:54	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		02/12/11 03:54	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 03:54	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		02/12/11 03:54	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/12/11 03:54	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 03:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 03:54	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 03:54	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 03:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/12/11 03:54	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 03:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 03:54	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/12/11 03:54	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 03:54	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 03:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 03:54	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		02/12/11 03:54	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 03:54	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 03:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 03:54	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 03:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 03:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		02/12/11 03:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/12/11 03:54	106-46-7	

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ANALYTICAL RESULTS

Project: WAYNE BLANKS
Pace Project No.: 9287624

Sample: EB **Lab ID: 9287624001** Collected: 02/09/11 10:00 Received: 02/10/11 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 03:54	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		02/12/11 03:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/12/11 03:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/12/11 03:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 03:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 03:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 03:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 03:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 03:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		02/12/11 03:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		02/12/11 03:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 03:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 03:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/12/11 03:54	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		02/12/11 03:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		02/12/11 03:54	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 03:54	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 03:54	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/12/11 03:54	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		02/12/11 03:54	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 03:54	75-09-2	
Methyl methacrylate	ND	ug/L	30.0	2.0	1		02/12/11 03:54	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 03:54	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		02/12/11 03:54	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		02/12/11 03:54	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 03:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 03:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 03:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 03:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/12/11 03:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		02/12/11 03:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 03:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 03:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 03:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 03:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 03:54	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 03:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 03:54	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/12/11 03:54	1330-20-7	
4-Bromofluorobenzene (S)	104	%	70-130		1		02/12/11 03:54	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		02/12/11 03:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/12/11 03:54	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		02/12/11 03:54	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE BLANKS
Pace Project No.: 9287624

Sample: FB **Lab ID: 9287624002** Collected: 02/09/11 10:40 Received: 02/10/11 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 04:17	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		02/12/11 04:17	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		02/12/11 04:17	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 04:17	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		02/12/11 04:17	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/12/11 04:17	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 04:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 04:17	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 04:17	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 04:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/12/11 04:17	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 04:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 04:17	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/12/11 04:17	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 04:17	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 04:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 04:17	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		02/12/11 04:17	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 04:17	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 04:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 04:17	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 04:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 04:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		02/12/11 04:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/12/11 04:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 04:17	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		02/12/11 04:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/12/11 04:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/12/11 04:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 04:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 04:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 04:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 04:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 04:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		02/12/11 04:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		02/12/11 04:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 04:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 04:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/12/11 04:17	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		02/12/11 04:17	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		02/12/11 04:17	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 04:17	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 04:17	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/12/11 04:17	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		02/12/11 04:17	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 04:17	75-09-2	

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ANALYTICAL RESULTS

Project: WAYNE BLANKS
Pace Project No.: 9287624

Sample: FB **Lab ID: 9287624002** Collected: 02/09/11 10:40 Received: 02/10/11 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Methyl methacrylate	ND	ug/L	30.0	2.0	1		02/12/11 04:17	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 04:17	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		02/12/11 04:17	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		02/12/11 04:17	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 04:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 04:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 04:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 04:17	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/12/11 04:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		02/12/11 04:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 04:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 04:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 04:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 04:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 04:17	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 04:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 04:17	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/12/11 04:17	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/12/11 04:17	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		02/12/11 04:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	116	%	70-130		1		02/12/11 04:17	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		02/12/11 04:17	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE BLANKS
Pace Project No.: 9287624

Sample: TB **Lab ID: 9287624003** Collected: 02/09/11 00:00 Received: 02/10/11 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/12/11 04:40	67-64-1	
Acetonitrile	ND	ug/L	55.0	2.2	1		02/12/11 04:40	75-05-8	
Acrolein	ND	ug/L	53.0	1.6	1		02/12/11 04:40	107-02-8	
Acrylonitrile	ND	ug/L	200	1.9	1		02/12/11 04:40	107-13-1	
Allyl chloride	ND	ug/L	10.0	1.5	1		02/12/11 04:40	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/12/11 04:40	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/12/11 04:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/12/11 04:40	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/12/11 04:40	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/12/11 04:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/12/11 04:40	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/12/11 04:40	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/12/11 04:40	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/12/11 04:40	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/12/11 04:40	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/12/11 04:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/12/11 04:40	74-87-3	
Chloroprene	ND	ug/L	20.0	0.27	1		02/12/11 04:40	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/12/11 04:40	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/12/11 04:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/12/11 04:40	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/12/11 04:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/12/11 04:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	0.24	1		02/12/11 04:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/12/11 04:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/12/11 04:40	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	0.21	1		02/12/11 04:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/12/11 04:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/12/11 04:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/12/11 04:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/12/11 04:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/12/11 04:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/12/11 04:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/12/11 04:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	15.0	0.13	1		02/12/11 04:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	0.49	1		02/12/11 04:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/12/11 04:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/12/11 04:40	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/12/11 04:40	100-41-4	
Ethyl methacrylate	ND	ug/L	10.0	0.20	1		02/12/11 04:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.71	1		02/12/11 04:40	87-68-3	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/12/11 04:40	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/12/11 04:40	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/12/11 04:40	78-83-1	
Methacrylonitrile	ND	ug/L	100	0.93	1		02/12/11 04:40	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/12/11 04:40	75-09-2	

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ANALYTICAL RESULTS

Project: WAYNE BLANKS
Pace Project No.: 9287624

Sample: TB **Lab ID: 9287624003** Collected: 02/09/11 00:00 Received: 02/10/11 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Methyl methacrylate	ND	ug/L	30.0	2.0	1		02/12/11 04:40	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/12/11 04:40	108-10-1	
Naphthalene	ND	ug/L	10.0	0.24	1		02/12/11 04:40	91-20-3	
Propionitrile	ND	ug/L	150	3.6	1		02/12/11 04:40	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/12/11 04:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/12/11 04:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/12/11 04:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/12/11 04:40	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/12/11 04:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.35	1		02/12/11 04:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/12/11 04:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/12/11 04:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/12/11 04:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/12/11 04:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/12/11 04:40	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/12/11 04:40	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/12/11 04:40	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/12/11 04:40	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/12/11 04:40	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		02/12/11 04:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		02/12/11 04:40	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		02/12/11 04:40	2037-26-5	

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QUALITY CONTROL DATA

Project: WAYNE BLANKS
Pace Project No.: 9287624

QC Batch: MPRP/7866
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9287624001

METHOD BLANK: 562891
Matrix: Water
Associated Lab Samples: 9287624001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	02/24/11 19:59	
Arsenic	ug/L	2.9J	10.0	02/24/11 19:59	
Barium	ug/L	ND	100	02/24/11 19:59	
Beryllium	ug/L	ND	1.0	02/24/11 19:59	
Cadmium	ug/L	ND	1.0	02/24/11 19:59	
Chromium	ug/L	ND	10.0	02/24/11 19:59	
Cobalt	ug/L	3.6J	10.0	02/24/11 19:59	
Copper	ug/L	ND	10.0	02/24/11 19:59	
Lead	ug/L	ND	10.0	02/24/11 19:59	
Nickel	ug/L	ND	50.0	02/24/11 19:59	
Selenium	ug/L	ND	10.0	02/24/11 19:59	
Silver	ug/L	ND	10.0	02/24/11 19:59	
Thallium	ug/L	ND	5.5	02/24/11 19:59	
Tin	ug/L	ND	100	02/24/11 19:59	
Vanadium	ug/L	ND	25.0	02/24/11 19:59	
Zinc	ug/L	2.6J	10.0	02/24/11 19:59	

LABORATORY CONTROL SAMPLE: 562892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	494	99	80-120	
Arsenic	ug/L	500	489	98	80-120	
Barium	ug/L	500	495	99	80-120	
Beryllium	ug/L	500	507	101	80-120	
Cadmium	ug/L	500	505	101	80-120	
Chromium	ug/L	500	496	99	80-120	
Cobalt	ug/L	500	500	100	80-120	
Copper	ug/L	500	492	98	80-120	
Lead	ug/L	500	498	100	80-120	
Nickel	ug/L	500	500	100	80-120	
Selenium	ug/L	500	479	96	80-120	
Silver	ug/L	250	251	100	80-120	
Thallium	ug/L	500	470	94	80-120	
Tin	ug/L	500	508	102	80-120	
Vanadium	ug/L	500	495	99	80-120	
Zinc	ug/L	500	492	98	80-120	

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QUALITY CONTROL DATA

Project: WAYNE BLANKS
Pace Project No.: 9287624

MATRIX SPIKE SAMPLE: 562893

Parameter	Units	9287515009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	480	96	75-125	
Arsenic	ug/L	ND	500	482	96	75-125	
Barium	ug/L	34.4J	500	513	96	75-125	
Beryllium	ug/L	ND	500	497	99	75-125	
Cadmium	ug/L	ND	500	491	98	75-125	
Chromium	ug/L	0.74J	500	484	97	75-125	
Cobalt	ug/L	ND	500	484	97	75-125	
Copper	ug/L	0.52J	500	480	96	75-125	
Lead	ug/L	ND	500	478	96	75-125	
Nickel	ug/L	ND	500	485	97	75-125	
Selenium	ug/L	ND	500	476	95	75-125	
Silver	ug/L	ND	250	246	98	75-125	
Thallium	ug/L	ND	500	457	91	75-125	
Tin	ug/L	ND	500	491	98	75-125	
Vanadium	ug/L	0.86J	500	484	97	75-125	
Zinc	ug/L	1.5J	500	480	96	75-125	

SAMPLE DUPLICATE: 562894

Parameter	Units	9287515010 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	3.2J	3.2J		25	
Barium	ug/L	32.8J	33.9J	3	25	
Beryllium	ug/L	0.17J	0.16J		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	1.7J	2.1J		25	
Cobalt	ug/L	1.7J	4.5J		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	2.3J		25	
Selenium	ug/L	7.8J	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	8.7	ND		25	
Tin	ug/L	ND	ND		25	
Vanadium	ug/L	2.0J	2.5J		25	
Zinc	ug/L	3.7J	7.3J		25	

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QUALITY CONTROL DATA

Project: WAYNE BLANKS
Pace Project No.: 9287624

QC Batch: MERP/3307
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 9287624001

METHOD BLANK: 567606
Matrix: Water
Associated Lab Samples: 9287624001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/01/11 16:27	

LABORATORY CONTROL SAMPLE: 567607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 567608 567609

Parameter	Units	9287298031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.4	2.4	98	94	75-125	4	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 567610 567611

Parameter	Units	9287512001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.7	2.5	107	100	75-125	7	25	

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QUALITY CONTROL DATA

Project: WAYNE BLANKS
Pace Project No.: 9287624

QC Batch: MSV/14019 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9287624001, 9287624002, 9287624003

METHOD BLANK: 563189 Matrix: Water
Associated Lab Samples: 9287624001, 9287624002, 9287624003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/11/11 21:26	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/11/11 21:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,1-Dichloroethane	ug/L	ND	5.0	02/11/11 21:26	
1,1-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
1,1-Dichloropropene	ug/L	ND	5.0	02/11/11 21:26	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,2,4-Trichlorobenzene	ug/L	ND	10.0	02/11/11 21:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/11/11 21:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/11/11 21:26	
1,2-Dichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/11/11 21:26	
1,3-Dichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/11/11 21:26	
2,2-Dichloropropane	ug/L	ND	15.0	02/11/11 21:26	
2-Butanone (MEK)	ug/L	ND	100	02/11/11 21:26	
2-Hexanone	ug/L	ND	50.0	02/11/11 21:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/11/11 21:26	
Acetone	ug/L	ND	100	02/11/11 21:26	
Acetonitrile	ug/L	ND	55.0	02/11/11 21:26	
Acrolein	ug/L	ND	53.0	02/11/11 21:26	
Acrylonitrile	ug/L	ND	200	02/11/11 21:26	
Allyl chloride	ug/L	ND	10.0	02/11/11 21:26	
Benzene	ug/L	ND	1.0	02/11/11 21:26	
Bromochloromethane	ug/L	ND	3.0	02/11/11 21:26	
Bromodichloromethane	ug/L	ND	1.0	02/11/11 21:26	
Bromoform	ug/L	ND	3.0	02/11/11 21:26	
Bromomethane	ug/L	ND	10.0	02/11/11 21:26	
Carbon disulfide	ug/L	ND	100	02/11/11 21:26	
Carbon tetrachloride	ug/L	ND	1.0	02/11/11 21:26	
Chlorobenzene	ug/L	ND	3.0	02/11/11 21:26	
Chloroethane	ug/L	ND	10.0	02/11/11 21:26	
Chloroform	ug/L	ND	5.0	02/11/11 21:26	
Chloromethane	ug/L	ND	1.0	02/11/11 21:26	
Chloroprene	ug/L	ND	20.0	02/11/11 21:26	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 21:26	
Dibromochloromethane	ug/L	ND	3.0	02/11/11 21:26	
Dibromomethane	ug/L	ND	10.0	02/11/11 21:26	
Dichlorodifluoromethane	ug/L	ND	5.0	02/11/11 21:26	

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QUALITY CONTROL DATA

Project: WAYNE BLANKS
Pace Project No.: 9287624

METHOD BLANK: 563189 Matrix: Water

Associated Lab Samples: 9287624001, 9287624002, 9287624003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl methacrylate	ug/L	ND	10.0	02/11/11 21:26	
Ethylbenzene	ug/L	ND	1.0	02/11/11 21:26	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	02/11/11 21:26	
Iodomethane	ug/L	ND	10.0	02/11/11 21:26	
Isobutanol	ug/L	ND	100	02/11/11 21:26	
Methacrylonitrile	ug/L	ND	100	02/11/11 21:26	
Methyl methacrylate	ug/L	ND	30.0	02/11/11 21:26	
Methylene Chloride	ug/L	ND	1.0	02/11/11 21:26	
Naphthalene	ug/L	ND	10.0	02/11/11 21:26	
Propionitrile	ug/L	ND	150	02/11/11 21:26	
Styrene	ug/L	ND	1.0	02/11/11 21:26	
Tetrachloroethene	ug/L	ND	1.0	02/11/11 21:26	
Toluene	ug/L	ND	1.0	02/11/11 21:26	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 21:26	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/11/11 21:26	
Trichloroethene	ug/L	ND	1.0	02/11/11 21:26	
Trichlorofluoromethane	ug/L	ND	1.0	02/11/11 21:26	
Vinyl acetate	ug/L	ND	50.0	02/11/11 21:26	
Vinyl chloride	ug/L	ND	1.0	02/11/11 21:26	
Xylene (Total)	ug/L	ND	5.0	02/11/11 21:26	
1,2-Dichloroethane-d4 (S)	%	95	70-130	02/11/11 21:26	
4-Bromofluorobenzene (S)	%	100	70-130	02/11/11 21:26	
Dibromofluoromethane (S)	%	95	70-130	02/11/11 21:26	
Toluene-d8 (S)	%	93	70-130	02/11/11 21:26	

LABORATORY CONTROL SAMPLE: 563190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	70-130	
1,1,1-Trichloroethane	ug/L	50	45.6	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	70-130	
1,1,2-Trichloroethane	ug/L	50	46.8	94	70-130	
1,1-Dichloroethane	ug/L	50	44.9	90	70-130	
1,1-Dichloroethene	ug/L	50	46.9	94	70-132	
1,1-Dichloropropene	ug/L	50	46.5	93	70-130	
1,2,3-Trichloropropane	ug/L	50	45.5	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	41.8	84	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	70-130	
1,2-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,2-Dichloroethane	ug/L	50	43.1	86	70-130	
1,2-Dichloropropane	ug/L	50	47.1	94	70-130	
1,3-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,3-Dichloropropane	ug/L	50	50.2	100	70-130	

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QUALITY CONTROL DATA

Project: WAYNE BLANKS
Pace Project No.: 9287624

LABORATORY CONTROL SAMPLE: 563190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	47.8	96	70-130	
2,2-Dichloropropane	ug/L	50	44.6	89	58-145	
2-Butanone (MEK)	ug/L	100	78.7J	79	70-145	
2-Hexanone	ug/L	100	87.1	87	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.9J	85	70-140	
Acetone	ug/L	100	72.1J	72	50-175	
Acetonitrile	ug/L	500	406	81	70-130	
Acrolein	ug/L	250	211	85	70-130	
Acrylonitrile	ug/L	250	209	84	70-143	
Allyl chloride	ug/L	50	45.2	90	70-130	
Benzene	ug/L	50	48.1	96	70-130	
Bromochloromethane	ug/L	50	46.2	92	70-130	
Bromodichloromethane	ug/L	50	47.5	95	70-130	
Bromoform	ug/L	50	48.7	97	70-130	
Bromomethane	ug/L	50	57.5	115	54-130	
Carbon disulfide	ug/L	50	48.4J	97	70-131	
Carbon tetrachloride	ug/L	50	49.2	98	70-132	
Chlorobenzene	ug/L	50	47.9	96	70-130	
Chloroethane	ug/L	50	48.8	98	64-134	
Chloroform	ug/L	50	44.6	89	70-130	
Chloromethane	ug/L	50	47.7	95	64-130	
Chloroprene	ug/L	50	47.6	95	70-130	
cis-1,2-Dichloroethene	ug/L	50	45.1	90	70-131	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	70-130	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dibromomethane	ug/L	50	46.5	93	70-131	
Dichlorodifluoromethane	ug/L	50	43.8	88	56-130	
Ethyl methacrylate	ug/L	50	43.1	86	70-130	
Ethylbenzene	ug/L	50	52.5	105	70-130	
Hexachloro-1,3-butadiene	ug/L	50	52.4	105	70-130	
Iodomethane	ug/L	100	99.4	99	49-180	
Isobutanol	ug/L	1000	817	82	70-130	
Methacrylonitrile	ug/L	500	433	87	70-130	
Methyl methacrylate	ug/L	50	38.7	77	70-130	
Methylene Chloride	ug/L	50	48.3	97	63-130	
Naphthalene	ug/L	50	42.8	86	70-138	
Propionitrile	ug/L	500	412	82	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	48.0	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.1	92	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	42.7J	85	70-141	
Trichloroethene	ug/L	50	51.8	104	70-130	
Trichlorofluoromethane	ug/L	50	50.4	101	62-133	
Vinyl acetate	ug/L	100	95.2	95	66-157	
Vinyl chloride	ug/L	50	53.9	108	69-130	
Xylene (Total)	ug/L	150	153	102	70-130	

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QUALITY CONTROL DATA

Project: WAYNE BLANKS
Pace Project No.: 9287624

LABORATORY CONTROL SAMPLE: 563190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563191 563192

Parameter	Units	9287514001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	43.1	40.2	86	80	70-166	7	30	
Benzene	ug/L	ND	50	50	49.0	45.2	98	90	70-148	8	30	
Chlorobenzene	ug/L	ND	50	50	54.2	49.8	108	99	70-146	9	30	
Toluene	ug/L	ND	50	50	50.6	47.2	101	94	70-155	7	30	
Trichloroethene	ug/L	ND	50	50	43.3	40.8	87	82	69-151	6	30	
1,2-Dichloroethane-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						100	98	70-130			
Dibromofluoromethane (S)	%						94	94	70-130			
Toluene-d8 (S)	%						89	90	70-130			

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QUALIFIERS

Project: WAYNE BLANKS
Pace Project No.: 9287624

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.

Pace Analytical is NELAP 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

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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: 1 of 1

1448168

Section A Required Client Information:

Company: Municipal Engineering Services
Address: PO Box 97
Garner NC 27529
Email To: jpfohl@mesco.com
Phone: (919)772-5393 Fax: (919)772-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To: Mgerman@mesco.com
Purchase Order No.:
Project Name: Wayne Blinks
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference: 1
Pace Project Manager: Kevin Godwin
Pace Profile #: 2103-6

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

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): N

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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOCs - App II	Analysis Test: Metals - App II	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EB	WT	G			2/9/11	10:00		4			1	3					✓	✓	N	001
2	FB	↓	↓			2/9/11	10:40		3				3					✓			002
3	TB			PACE	Filled				2				2					✓			003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Blinks for entire facility	[signature]	2-10-11	9:26	[signature] pace dt	2-10-11	9:26	
EB - D. Baker	[signature] pace dt	2-10-11	15:43	[signature]	2/10/11	15:43	2.9 yes no yes
DI H2O Provided By PACE							

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/9/11

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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Municipal Project # 9287624

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used: IR Gun : T904 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract _____0_____C

Corrected Cooler Temp.: 2.0 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: UMM 2/10/11

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. no date / time
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:_____

PCURF Review: L. Gock **Date:** 2/10/11 **SRF Review:** L. Gock **Date:** 2/11/11

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)

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

February 23, 2011

Mr. Jonathan Pfohl
Municipal Engineering Services
PO Box 97
Garner, NC 27529

RE: Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on February 09, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC 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,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Maggie German, Municipal Engineering Services

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CERTIFICATIONS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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SAMPLE SUMMARY

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9287513001	**SW-1**	Water	02/08/11 09:55	02/09/11 16:40
9287513002	**SW-2**	Water	02/08/11 09:25	02/09/11 16:40
9287513003	**SW-3**	Water	02/08/11 09:00	02/09/11 16:40

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SAMPLE ANALYTE COUNT

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9287513001	**SW-1**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287513002	**SW-2**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C
9287513003	**SW-3**	EPA 6010	JMW	15	PASI-A
		EPA 8260	TLS	52	PASI-C

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Sample: SW-1 **Lab ID: 9287513001** Collected: 02/08/11 09:55 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 06:51	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 06:51	7440-38-2	
Barium	**187**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 06:51	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 06:51	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 06:51	7440-43-9	
Chromium	**0.57J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 06:51	7440-47-3	
Cobalt	**4.7J**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 06:51	7440-48-4	
Copper	**0.53J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 06:51	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 06:51	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 06:51	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 06:51	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 06:51	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 06:51	7440-28-0	
Vanadium	**0.74J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 06:51	7440-62-2	
Zinc	**11.5**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 06:51	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 22:12	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 22:12	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 22:12	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 22:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 22:12	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 22:12	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 22:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 22:12	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 22:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 22:12	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 22:12	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 22:12	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 22:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 22:12	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 22:12	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 22:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 22:12	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 22:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 22:12	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 22:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 22:12	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 22:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 22:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 22:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 22:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 22:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 22:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 22:12	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 22:12	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Sample: SW-1 **Lab ID: 9287513001** Collected: 02/08/11 09:55 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 22:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 22:12	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 22:12	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 22:12	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 22:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 22:12	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 22:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 22:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 22:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 22:12	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 22:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 22:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 22:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 22:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 22:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 22:12	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 22:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 22:12	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 22:12	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/11 22:12	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		02/11/11 22:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/11/11 22:12	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/11/11 22:12	2037-26-5	

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ACCREDITED IN ACCORDANCE WITH nelac

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Sample: SW-2 **Lab ID: 9287513002** Collected: 02/08/11 09:25 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 06:54	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 06:54	7440-38-2	
Barium	**29.0J**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 06:54	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 06:54	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 06:54	7440-43-9	
Chromium	**2.4J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 06:54	7440-47-3	
Cobalt	**3.4J**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 06:54	7440-48-4	
Copper	**0.81J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 06:54	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 06:54	7439-92-1	
Nickel	**4.4J**	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 06:54	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 06:54	7782-49-2	
Silver	**0.11J**	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 06:54	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 06:54	7440-28-0	
Vanadium	**1.4J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 06:54	7440-62-2	
Zinc	**8.6J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 06:54	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 22:35	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 22:35	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 22:35	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 22:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 22:35	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 22:35	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 22:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 22:35	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 22:35	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 22:35	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 22:35	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 22:35	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 22:35	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 22:35	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 22:35	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 22:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 22:35	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 22:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 22:35	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 22:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 22:35	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 22:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 22:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 22:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 22:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 22:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 22:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 22:35	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 22:35	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Sample: SW-2 **Lab ID: 9287513002** Collected: 02/08/11 09:25 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 22:35	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 22:35	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 22:35	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 22:35	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 22:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 22:35	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 22:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 22:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 22:35	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 22:35	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 22:35	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 22:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 22:35	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 22:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 22:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 22:35	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 22:35	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 22:35	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 22:35	1330-20-7	
4-Bromofluorobenzene (S)	102	%	70-130		1		02/11/11 22:35	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		02/11/11 22:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/11 22:35	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		02/11/11 22:35	2037-26-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Sample: SW-3 **Lab ID: 9287513003** Collected: 02/08/11 09:00 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	6.0	2.6	1	02/12/11 09:30	02/23/11 06:58	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	02/12/11 09:30	02/23/11 06:58	7440-38-2	
Barium	**224**	ug/L	100	0.20	1	02/12/11 09:30	02/23/11 06:58	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	02/12/11 09:30	02/23/11 06:58	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	02/12/11 09:30	02/23/11 06:58	7440-43-9	
Chromium	**1.0J**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 06:58	7440-47-3	
Cobalt	**3.1J**	ug/L	10.0	0.60	1	02/12/11 09:30	02/23/11 06:58	7440-48-4	
Copper	**0.46J**	ug/L	10.0	0.30	1	02/12/11 09:30	02/23/11 06:58	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	02/12/11 09:30	02/23/11 06:58	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	02/12/11 09:30	02/23/11 06:58	7440-02-0	
Selenium	**3.8J**	ug/L	10.0	3.8	1	02/12/11 09:30	02/23/11 06:58	7782-49-2	
Silver	**0.13J**	ug/L	10.0	0.10	1	02/12/11 09:30	02/23/11 06:58	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	02/12/11 09:30	02/23/11 06:58	7440-28-0	
Vanadium	**0.44J**	ug/L	25.0	0.20	1	02/12/11 09:30	02/23/11 06:58	7440-62-2	
Zinc	**12.9**	ug/L	10.0	0.40	1	02/12/11 09:30	02/23/11 06:58	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		02/11/11 22:58	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		02/11/11 22:58	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		02/11/11 22:58	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		02/11/11 22:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/11/11 22:58	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		02/11/11 22:58	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		02/11/11 22:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		02/11/11 22:58	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		02/11/11 22:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/11/11 22:58	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		02/11/11 22:58	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		02/11/11 22:58	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		02/11/11 22:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/11/11 22:58	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		02/11/11 22:58	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		02/11/11 22:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/11/11 22:58	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		02/11/11 22:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		02/11/11 22:58	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/11/11 22:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		02/11/11 22:58	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		02/11/11 22:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/11/11 22:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		02/11/11 22:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		02/11/11 22:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		02/11/11 22:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/11/11 22:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/11/11 22:58	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/11/11 22:58	10061-01-5	

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ANALYTICAL RESULTS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

Sample: SW-3 **Lab ID: 9287513003** Collected: 02/08/11 09:00 Received: 02/09/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/11/11 22:58	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/11/11 22:58	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		02/11/11 22:58	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		02/11/11 22:58	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/11/11 22:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		02/11/11 22:58	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		02/11/11 22:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		02/11/11 22:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		02/11/11 22:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/11/11 22:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/11/11 22:58	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/11/11 22:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/11/11 22:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/11/11 22:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/11/11 22:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/11/11 22:58	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		02/11/11 22:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/11/11 22:58	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		02/11/11 22:58	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		02/11/11 22:58	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		02/11/11 22:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		02/11/11 22:58	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		02/11/11 22:58	2037-26-5	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

QC Batch: MPRP/7865 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9287513001, 9287513002, 9287513003

METHOD BLANK: 562887 Matrix: Water
Associated Lab Samples: 9287513001, 9287513002, 9287513003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	02/23/11 05:42	
Arsenic	ug/L	ND	10.0	02/23/11 05:42	
Barium	ug/L	0.26J	100	02/23/11 05:42	
Beryllium	ug/L	ND	1.0	02/23/11 05:42	
Cadmium	ug/L	ND	1.0	02/23/11 05:42	
Chromium	ug/L	ND	10.0	02/23/11 05:42	
Cobalt	ug/L	ND	10.0	02/23/11 05:42	
Copper	ug/L	ND	10.0	02/23/11 05:42	
Lead	ug/L	ND	10.0	02/23/11 05:42	
Nickel	ug/L	ND	50.0	02/23/11 05:42	
Selenium	ug/L	ND	10.0	02/23/11 05:42	
Silver	ug/L	ND	10.0	02/23/11 05:42	
Thallium	ug/L	ND	5.5	02/23/11 05:42	
Vanadium	ug/L	ND	25.0	02/23/11 05:42	
Zinc	ug/L	3.7J	10.0	02/23/11 05:42	

LABORATORY CONTROL SAMPLE: 562888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	477	95	80-120	
Arsenic	ug/L	500	474	95	80-120	
Barium	ug/L	500	485	97	80-120	
Beryllium	ug/L	500	483	97	80-120	
Cadmium	ug/L	500	474	95	80-120	
Chromium	ug/L	500	463	93	80-120	
Cobalt	ug/L	500	478	96	80-120	
Copper	ug/L	500	481	96	80-120	
Lead	ug/L	500	483	97	80-120	
Nickel	ug/L	500	477	95	80-120	
Selenium	ug/L	500	470	94	80-120	
Silver	ug/L	250	244	98	80-120	
Thallium	ug/L	500	472	94	80-120	
Vanadium	ug/L	500	471	94	80-120	
Zinc	ug/L	500	468	94	80-120	

MATRIX SPIKE SAMPLE: 562889

Parameter	Units	9287361001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	473	95	75-125	
Arsenic	ug/L	ND	500	478	96	75-125	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

MATRIX SPIKE SAMPLE: 562889

Parameter	Units	9287361001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	70.5	500	542	94	75-125	
Beryllium	ug/L	ND	500	473	95	75-125	
Cadmium	ug/L	ND	500	462	92	75-125	
Chromium	ug/L	7.9	500	461	91	75-125	
Cobalt	ug/L	ND	500	467	93	75-125	
Copper	ug/L	0.30J	500	479	96	75-125	
Lead	ug/L	ND	500	461	92	75-125	
Nickel	ug/L	ND	500	464	93	75-125	
Selenium	ug/L	ND	500	476	95	75-125	
Silver	ug/L	0.66J	250	240	96	75-125	
Thallium	ug/L	ND	500	462	92	75-125	
Vanadium	ug/L	0.82J	500	467	93	75-125	
Zinc	ug/L	3.6J	500	462	92	75-125	

SAMPLE DUPLICATE: 562890

Parameter	Units	9287361002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	3.3J	ND		25	
Barium	ug/L	61.0	62.6J	3	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	0.74J	0.43J		25	
Cobalt	ug/L	4.9J	ND		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	31.8	29.0	9	25	
Silver	ug/L	1.7J	1.7J		25	
Thallium	ug/L	8.6	4.2J		25	
Vanadium	ug/L	0.22J	ND		25	
Zinc	ug/L	3.9J	3.6J		25	

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QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

QC Batch: MSV/14019 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9287513001, 9287513002, 9287513003

METHOD BLANK: 563189 Matrix: Water
Associated Lab Samples: 9287513001, 9287513002, 9287513003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/11/11 21:26	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	02/11/11 21:26	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,1-Dichloroethane	ug/L	ND	5.0	02/11/11 21:26	
1,1-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	02/11/11 21:26	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/11/11 21:26	
1,2-Dichloroethane	ug/L	ND	1.0	02/11/11 21:26	
1,2-Dichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,3-Dichloropropane	ug/L	ND	1.0	02/11/11 21:26	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/11/11 21:26	
2-Butanone (MEK)	ug/L	ND	100	02/11/11 21:26	
2-Hexanone	ug/L	ND	50.0	02/11/11 21:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	02/11/11 21:26	
Acetone	ug/L	ND	100	02/11/11 21:26	
Acrylonitrile	ug/L	ND	200	02/11/11 21:26	
Benzene	ug/L	ND	1.0	02/11/11 21:26	
Bromochloromethane	ug/L	ND	3.0	02/11/11 21:26	
Bromodichloromethane	ug/L	ND	1.0	02/11/11 21:26	
Bromoform	ug/L	ND	3.0	02/11/11 21:26	
Bromomethane	ug/L	ND	10.0	02/11/11 21:26	
Carbon disulfide	ug/L	ND	100	02/11/11 21:26	
Carbon tetrachloride	ug/L	ND	1.0	02/11/11 21:26	
Chlorobenzene	ug/L	ND	3.0	02/11/11 21:26	
Chloroethane	ug/L	ND	10.0	02/11/11 21:26	
Chloroform	ug/L	ND	5.0	02/11/11 21:26	
Chloromethane	ug/L	ND	1.0	02/11/11 21:26	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 21:26	
Dibromochloromethane	ug/L	ND	3.0	02/11/11 21:26	
Dibromomethane	ug/L	ND	10.0	02/11/11 21:26	
Ethylbenzene	ug/L	ND	1.0	02/11/11 21:26	
Iodomethane	ug/L	ND	10.0	02/11/11 21:26	
Methylene Chloride	ug/L	ND	1.0	02/11/11 21:26	
Styrene	ug/L	ND	1.0	02/11/11 21:26	
Tetrachloroethene	ug/L	ND	1.0	02/11/11 21:26	
Toluene	ug/L	ND	1.0	02/11/11 21:26	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/11/11 21:26	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/11/11 21:26	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/11/11 21:26	

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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

QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

METHOD BLANK: 563189 Matrix: Water

Associated Lab Samples: 9287513001, 9287513002, 9287513003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	02/11/11 21:26	
Trichlorofluoromethane	ug/L	ND	1.0	02/11/11 21:26	
Vinyl acetate	ug/L	ND	50.0	02/11/11 21:26	
Vinyl chloride	ug/L	ND	1.0	02/11/11 21:26	
Xylene (Total)	ug/L	ND	5.0	02/11/11 21:26	
1,2-Dichloroethane-d4 (S)	%	95	70-130	02/11/11 21:26	
4-Bromofluorobenzene (S)	%	100	70-130	02/11/11 21:26	
Dibromofluoromethane (S)	%	95	70-130	02/11/11 21:26	
Toluene-d8 (S)	%	93	70-130	02/11/11 21:26	

LABORATORY CONTROL SAMPLE: 563190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	70-130	
1,1,1-Trichloroethane	ug/L	50	45.6	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	70-130	
1,1,2-Trichloroethane	ug/L	50	46.8	94	70-130	
1,1-Dichloroethane	ug/L	50	44.9	90	70-130	
1,1-Dichloroethene	ug/L	50	46.9	94	70-132	
1,2,3-Trichloropropane	ug/L	50	45.5	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	70-130	
1,2-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,2-Dichloroethane	ug/L	50	43.1	86	70-130	
1,2-Dichloropropane	ug/L	50	47.1	94	70-130	
1,3-Dichloropropane	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	47.8	96	70-130	
2-Butanone (MEK)	ug/L	100	78.7J	79	70-145	
2-Hexanone	ug/L	100	87.1	87	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.9J	85	70-140	
Acetone	ug/L	100	72.1J	72	50-175	
Acrylonitrile	ug/L	250	209	84	70-143	
Benzene	ug/L	50	48.1	96	70-130	
Bromochloromethane	ug/L	50	46.2	92	70-130	
Bromodichloromethane	ug/L	50	47.5	95	70-130	
Bromoform	ug/L	50	48.7	97	70-130	
Bromomethane	ug/L	50	57.5	115	54-130	
Carbon disulfide	ug/L	50	48.4J	97	70-131	
Carbon tetrachloride	ug/L	50	49.2	98	70-132	
Chlorobenzene	ug/L	50	47.9	96	70-130	
Chloroethane	ug/L	50	48.8	98	64-134	
Chloroform	ug/L	50	44.6	89	70-130	
Chloromethane	ug/L	50	47.7	95	64-130	
cis-1,2-Dichloroethene	ug/L	50	45.1	90	70-131	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	70-130	

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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

QUALITY CONTROL DATA

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

LABORATORY CONTROL SAMPLE: 563190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dibromomethane	ug/L	50	46.5	93	70-131	
Ethylbenzene	ug/L	50	52.5	105	70-130	
Iodomethane	ug/L	100	99.4	99	49-180	
Methylene Chloride	ug/L	50	48.3	97	63-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	48.0	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.1	92	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	42.7J	85	70-141	
Trichloroethene	ug/L	50	51.8	104	70-130	
Trichlorofluoromethane	ug/L	50	50.4	101	62-133	
Vinyl acetate	ug/L	100	95.2	95	66-157	
Vinyl chloride	ug/L	50	53.9	108	69-130	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563191 563192

Parameter	Units	9287514001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	43.1	40.2	86	80	70-166	7	30	
Benzene	ug/L	ND	50	50	49.0	45.2	98	90	70-148	8	30	
Chlorobenzene	ug/L	ND	50	50	54.2	49.8	108	99	70-146	9	30	
Toluene	ug/L	ND	50	50	50.6	47.2	101	94	70-155	7	30	
Trichloroethene	ug/L	ND	50	50	43.3	40.8	87	82	69-151	6	30	
1,2-Dichloroethane-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						100	98	70-130			
Dibromofluoromethane (S)	%						94	94	70-130			
Toluene-d8 (S)	%						89	90	70-130			

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

QUALIFIERS

Project: WAYNE MSWLF - SW SHARED
Pace Project No.: 9287513

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.

Pace Analytical is NELAP 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

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CHAIN-OF-CUSTODY / Analytical Request Document

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These Are All the Samples for this Report

Page: 1 of 1

1448170

Section A Required Client Information:

Company: Municipal Engineering Services
Address: PO Box 97
Garner NC 27529
Email To: jpfohl@mesco.com
Phone: (919) 772-5343 Fax: (919) 772-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jon Pfohl
Copy To: mgerman@mesco.com
Purchase Order No.:
Project Name: Wayne MSWLF - SW Shared
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2103-3

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER

Site Location STATE: NC

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) VOCs - App I	~~VOCs - A~~	Metals - App I	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1	WT	G			2/8/11	9:55		4			1	3					✓		✓	N	001
2	SW-2						9:25															002
3	SW-3					↓	9:00															003
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

9287513

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
SW-3 Furthest West & upstream nearest MW-4 (closed) is DRY	IMESCO	2/8/11	6:35PM	[signature]	2/9/11	1030				
SW-3 Sampled is nearest MW-5 closed	[signature]	2/9/11	Left office 1640	James Cloud Pace	2/9/11	1640	3.0	Y	N	Y
SW-2 Mid stream Just downstream of Access Rd										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/8/11

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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Municipal Engineering Services Project # 9287513

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

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

Thermometer Used: IR Gun : T904 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract _____0_____C

Corrected Cooler Temp.: 3.0 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person ~~examining~~ contents: 2/9/11

		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. Missing Time and Date on Bottles
-Includes date/time/ID/Analysis Matrix: WT		
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: _____

CURF Review: V. Godt Date: 2/9/11 **SRF Review:** V. Godt Date: 2/10/11

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)

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CHAIN-OF-CUSTODY / Analytical Request Document

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1448160

Section A Required Client Information:

Company: Municipal Engineering Services
Address: PO Box 97
Garner NC 27529
Email To: jpfuhlemesco.com
Phone: (919) 772-5393 Fax: (919) 772-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfuhl
Copy To: Maddie Gorman (mgorman@mes...)
Purchase Order No.:
Project Name: Wayne Linoln MSWLF
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
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

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): N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	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: VOCs - App 1	Analysis Test: Metals - App 1	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	WT	G			2/8/11	4:30		4			1	3					✓	✓	N	
2	MW-2					2/8/11	5:00														
3	MW-3					2/7/11	2:25														
4	MW-4					2/7/11	1:30														
5	MW-5					2/7/11	11:50														
6	MW-6					2/7/11	11:15														
7	MW-7					2/7/11	10:45														
8	MW-8					2/8/11	8:40														
9	MW-9						5:25														
10	MW-10						10:10														
11	MW-11						11:40														
12	MW-12						12:10													Y	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	MESCO	2/8/11	6:15		2/9/11	1030	
			left office				

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfuhl
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 2/8/11

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.

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Page: 2 of 2

1448161

Section A Required Client Information:

Company: [illegible]
Address: PO Box 97 [illegible]
[illegible] NC 27529
Email To: [illegible]@[illegible].com
Phone: (919) 553-2398 Fax: (919) 553-1176
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: [illegible]
Copy To: [illegible]@meso.com
Purchase Order No.:
Project Name: Wayne Co. MSWLF
Project Number:

Section C Invoice Information:

Attention: [illegible]
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: [illegible]
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	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)	VOC - Appt 624.0	[illegible] Appt 1.0	BOD	COD	Nitrate	Nitrite	Phosphorus	TKN	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-12	WT	G			2/8/11	1:20		4			1	3						✓	✓							✓	
2	[illegible]-4						10:30																					
3	[illegible]-5						10:55																					
4	IE-1	WW					4:00		10	4	2										✓	✓	✓	✓	✓	✓		
5	IE-2						3:02																					
6	IE-4						3:30																					
7	IE-5						2:18																					
8	IE-6						2:41																					
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
[illegible]	[illegible] MESO	2/8/11	6:30PM	[illegible]	2/9/11	1020	
[illegible]							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [illegible]

SIGNATURE of SAMPLER: [illegible] DATE Signed (MM/DD/YY): 2/8/11

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

4

*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.

These Are All the Samples for this Report

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Page: 1 of 1

1448170

Section A Required Client Information:

Company: Mundal Engineering
Address: PO Box 97
Garner NC 27529
Email To: jefohle@mesco.com
Phone: (919) 772-2393 Fax: (919) 772-4796
Requested Due Date/TAT: Std

Section B Required Project Information:

Report To: Jon Pfohl
Copy To: ingermo@mesco.com
Purchase Order No.:
Project Name: Wayne MSWLF - GW Sampling
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
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	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): Vinyl Chloride	Methane	Ethane	Ethene	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1	WT	G			2/9/11	9:35		4				3					✓			✓	N	
2	SW-2						9:35																
3	SW-3					↓	9:00																
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SW-3 Furthest West & upstream	MESCO	2/9/11	6:35AM		2/9/11	1020	
Next MW-4 (road) is DRY							
MW-2 Sample [illegible]							
Well-2 [illegible] Access Rd							

4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Pfohl

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 2/9/11

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.

F-ALL-Q-020rev.07, 15-May-2007

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.

These Are All the Samples for this Report

Page: 1 of 1

1448170

Section A Required Client Information:

Company: [illegible]
Address: PO Box 97
[illegible] NC 27529
Email To: [illegible]@mesco.com
Phone: (919) 772-1393 Fax: (919) 772-1176
Requested Due Date/TAT: [illegible]

Section B Required Project Information:

Report To: Jon Pfohl
Copy To: [illegible]@mesco.com
Purchase Order No.:
Project Name: Wayne MSWLF - GW Sampling
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: [illegible] Godwin
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

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): [illegible]

ITEM #	SAMPLE ID	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): [illegible]	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1	WT	G			2/9/11	9:55		5			1	3					✓	N	
2	SW-2						9:25													
3	SW-3					✓	9:00													
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
SW-3 Furthest West & upstream	[illegible] MESCO	2/8/11	6:35PM	[illegible] PACE	2/9/11	1000
Note: MW-4 (Wood) is DRY						
SW-2 Sample [illegible]						
SW-2 [illegible] Access Rd						

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/8/11

4

*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.

F-ALL-Q-020rev.07, 15-May-2007

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Benson, NC

Project: Wayne Co. Subtitle D Lined MSWLF, Dudley

Samplers: J. Pfohl

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static	Lab Parameters to be analyzed for	Volume Purged (Gal)	Sample Type	Goes Dry During Purge	Notes	Total Depth	Water Quality Parameters: DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity
MW-1	2/8/11	420	15.22	DM	8	P&DB	Y		22.5	6.6	374	5.06	15.6	15	7	C
MW-2	2/8/11	5:00	9.93	DM	8	DB	N		20	2.0	11	5.86	14.8	419	210	C
MW-3	2/7/11	2:25	4.61	DM	10	P&DB	N	Pad silted over	20	0.3	19	6.03	13.1	331	165	C
MW-4	2/7/11	1:30	15.74	DM	5	DB	N		25	1.9	286	5.05	16.4	24	12	C
MW-5	2/7/11	11:50AM	15.97	DM	7	DB	Y		23	2.1	264	4.83	16.4	30	15	ST
MW-6	2/7/11	11:15	16.57	DM	6	DB	Y		25	2.1	248	4.71	16.5	65	3	ST
MW-7	2/7/11	10:45	5.81	DM	6+	P&DB	Y	Red	20	1.2	53	5.93	13.5	172	86	ST
MW-8	2/8/11	8:40	7.25	DM	8	DB	N	Pad silted over	20	2.3	162	6.01	13.9	223	112	C
MW-9	2/8/11	5:25	11.30	DM	8	P&DB	Y		23	1.7	301	5.01	14.1	22	10	C
MW-10	2/8/11	10:10	12.60	DM	9	DB	Y	Purged on 2/7/11	23	3.1	339	4.72	16.8	26	[illegible]	
MW-11	2/8/11	11:40	3.51	DM	3	DB	Y		15.49	1.8	378	4.87	12.6	26	14	C
MW-12	2/8/11	12:10	3.68	DM	4	DB	Y	Pad silted over	16.45	2.9	351	4.91	12.1	34	17	C
MW-13	2/8/11	1:20	8.58	DM	6	DB	N	Pad silted over	15.85	3.5	217	5.17	16.5	38	18	C
~~SW-2~~				DM	-		-		-							
~~SW-3~~				DM	-		-		-							
SW-4	2/8/11	10:30		DM	-	Dip	-	Downstream	-	7.6	290	5.79	8.8	162	81	C
SW-5	2/8/11	10:55		DM	-	Dip	-	upstream	-	8.1	312	5.71	9.0	139	68	C
P3-5	NS		6.94	WLR only												
P3-7	NS		8.98	WLR only												
P3-13	NS															

Comments

SS B=Stainless Steel Baler, D B=Disposable Baler, P=Low flow Pump, PD=Purged Dry

VT=Very Turbid, MT=Moderately Turbid, ST=Slightly Turbid, C=Clear

R=No Reading Attempted, NS=No Sample Obtained

20

(919) 696-1383

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

Project: Wayne Co Subtitle D Lined MSWLF

Samplers: J. Pfohl Page 1 of 1

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Lab Parameters to be analyzed for	Volume Purged (Gal)	Sample Source	Comments/Notes	Water Quality Parameters: DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity
LE-1	2/8/11	4:00p	Leachate		valve	Middle outlet pipe (from north sump 1a)			NR	NR	NR	NR	MT
LE-2		3:02p	Leachate			Sump 3							ST
LS-4		3:30p	Leachate			Sump 4							ST
LS-5		2:18p	Leachate			Sump 1							MT
LS-6	↓	2:41p	Leachate		↓	Sump 2							ST

Comments

SS B=Stainless Steel Baler, D B=Disposable Baler, P=Low flow Pump, PD=Purged Dry

VT=Very Turbid, MT=Moderately Turbid, ST=Slightly Turbid, C=Clear

NR=No Reading Attempted, NS=No Sample Obtained

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

Project: Wayne Co MSWLF, Dudley- Shared Surface Waters

Samplers: J. Pfohl Page_____of_____

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Lab Parameters to be analyzed for	Sample Type	Visual Gage Height	Visual Flow Rate	Notes	Water Quality Parameters: DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity
SW-1	2/8/11	9:55	DM	Dip	Normal	Normal	Downstream of SW-2(Closed) & SW-3 (Shared)	6.9	328	6.10	9.9	81	40	c
SW-2	2/8/11	9:25	DM	Dip	Normal	Normal	Lined near access rd (Mid stream)	7.2	332	6.00	9.8	99	46	c
SW-3	NS	—	DM	DRY			Upstream-furthest East historically Closed							
SW-3	2/8/11	9:00	DM	Dip	Normal	Normal	Downstream of SW-2(closed)	6.9	299	6.12	9.7	76	37	c
							Between MW-4 Lined &							
							MW-5 Closed							

Comments

SS B=Stainless Steel Baler, D B=Disposable Baler, P=Low flow Pump, PD=Purged Dry

VT=Very Turbid, MT=Moderately Turbid, ST=Slightly Turbid, C=Clear

NR=No Reading Attempted, NS=No Sample Obtained