June 2, 2012

Mr. Ron Gilkerson
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28031-5613

RE: 2012 First Semi-Annual Groundwater Sampling Report (21)
North Mecklenburg Landfill – Expansion Area I
Huntersville, North Carolina
Project No. EP-1292

Dear Mr. Gilkerson:

In accordance with the Water Quality Monitoring Plan approved by the North Carolina DENR-Solid Waste Section as part of the Site Plan Application Report, Enviro-Pro, P.C. (EP) is pleased to submit this report which describes the first 2012 semi-annual sampling event and summarizes the surface water and groundwater analytical results for the subject site.

Enviro-Pro appreciates the opportunity to continue to provide our environmental services on your project. Please contact me at (803) 547-4955 if you have any questions concerning this Report or when we can be of further service.

Sincerely,
ENVIRO-PRO, P.C.

Thomas H. Bolyard

Thomas H. Bolyard, P.G.
Senior Hydrogeologist

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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

Enviro-Pro, P.C.

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

Name: Thomas H. Bolyard, P.G. Phone: (803) 547-4955

E-mail: enviropro@comporium.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
North Mecklenburg C&D Landfill Expansion Area I	15300 Holbrooks Road, Huntersville, NC	60-13	.0500	May 3, 2012

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.

Thomas H. Bolyard, P.G. Senior Hydrogeologist (803) 547-4955

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

Thomas H. Bolyard 6/2/12

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 492 GEOLOGIST THOMAS H. BOLYARD

Revised 01/2007

1st SEMI-ANNUAL MONITORING REPORT (21)

North Mecklenburg Landfill – Expansion Area I
15300 Holbrooks Road
Huntersville, North Carolina

Prepared for:
Mr. Ron Gilkerson
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28031

Prepared by:
Enviro-Pro, P.C.
2646 Farmlake Lane
Fort Mill, South Carolina 29708

Project Number EP-1292

June 2, 2012

NORTH CAROLINA LICENSED SEAL 482 GEOLOGIST THOMAS H. BOLYARD

Field Sampling Activities

On May 3, 2012, Enviro-Pro (EP) personnel collected groundwater samples from on-site perimeter monitor wells MW-12, MW-13, MW-14, MW-15, and MW-16 and surface water samples SW-1 (upgradient) and SW-2 (downgradient). The procedures for groundwater measurement and sampling were as follows:

1) Initially, the monitor well caps were removed to allow the groundwater levels to equilibrate to the ambient atmospheric pressure. Next, the depth to groundwater from a measuring point on top of the well casing was recorded. Water level measurements were obtained using an electronic water level meter. The water level probe was decontaminated between monitor wells with deionized water and isopropyl alcohol.

2) At least three well volumes were removed from each monitor well to purge stagnant water and to ensure that fresh formation water would be sampled. Purging was conducted using dedicated disposable bailers. Each well was then sampled utilizing laboratory prepared containers, labeled, and packed on ice in a portable cooler for shipment to Pace Analytical Services, Inc., a North Carolina-certified laboratory in Huntersville, North Carolina. Chain-of-Custody documentation is included with the analytical reports in Appendix A.

3) Quality assurance/quality control (QA/QC) measures in the field included wearing disposable sample gloves during sampling activities and changing them between sample locations to protect the groundwater samples from cross-contamination. Analytical QA/QC included a field (bailer rinse) blank and a laboratory supplied trip blank analyzed for volatile organic compounds (VOCs) by Method 8260B. Only clean, laboratory supplied sample containers were utilized.

The field information obtained during well purging is summarized on the Well Development, Purge, and Sample Record included as Appendix B. Groundwater levels increased in all of the monitor wells since the previous sampling event on October 25, 2011.

Laboratory Test Results

In accordance with regulatory requirements, the five monitor well samples were analyzed for Appendix I metals and volatile organic compounds (VOCs) by Pace Analytical Services, Inc. In addition, the groundwater samples were analyzed for alkalinity, chloride, sulfate, and total dissolved solids (TDS). Pace's Report of Laboratory Analysis is attached as Appendix A, with a summary of groundwater and surface water analytical results for this sampling event included in Table 1.

Laboratory test results indicated that the metal barium was detected below its 2L Standard in all of the wells and stream samples. Copper and zinc were detected in monitor well MW-13 at concentrations below its 2L Standard. Inorganic compounds (alkalinity, total dissolved solids (TDS), sulfate, and chloride) were detected in all of the monitor wells sampled at concentrations below their 2L Standards. Chloroform was detected in MW-15 and MW-16 at a concentration well below its 2L Standard. No other VOC compounds, or Appendix I metals were detected above their respective laboratory reporting limits in any of the groundwater or surface water samples tested. The barium, copper, and zinc levels detected in the monitor wells and stream samples are representative of those metals naturally occurring in the bedrock, soil, and groundwater in this area. These metals have been detected in previous sampling events for this site and are not indicative of contamination.

The next sampling event for the North Mecklenburg C&D Landfill-Expansion Area I is scheduled for October 2012.

TABLE 1

SUMMARY OF ANALYTICAL RESULTS
North Mecklenburg C&D Landfill Expansion Area-I
Huntersville, North Carolina
June 2, 2012

Analytical Method →	8260	6010C	6010C	6010C	2320B	2540C	300.0	300.0
Contaminant of Concern → / Sample ID	Chloroform	Barium	Copper	Zinc	Alkalinity	TDS	Sulfate	Chloride
MW-12	BDL	0.0327	BDL	BDL	185	401	94.3	18.2
MW-13	BDL	0.0431	0.0051	0.0138	193	421	91.5	19.6
MW-14	BDL	0.0315	BDL	BDL	190	426	99.5	20.3
MW-15	1.3	0.0339	BDL	BDL	176	386	8.46	69.4
MW-16	1.3	0.0332	BDL	BDL	160	425	7.46	71.0
SW-1	BDL	0.0259	BDL	BDL	BDL	BDL	BDL	BDL
SW-2	BDL	0.0315	BDL	BDL	BDL	BDL	BDL	BDL
Field Blank	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trip Blank	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2L Standard	**70**	**0.7**	**1**	**1**	**NE**	**500**	**250**	**250**

Notes: All metals/Inorganic compounds are presented in milligrams per liter (mg/l)
BDL = Below detection limit
All VOCs are presented in micrograms per liter (ug/l)
NE = None Established
TDS = Total Dissolved Solids
Shaded/bolded areas represent compounds that exceed their 2L Standards

TABLE 2
SUMMARY OF GROUNDWATER AND SURFACE WATER RESULTS
North Mecklenburg C&D Landfill - Expansion Area I
Holbrooks Road
Huntersville, North Carolina

Sample ID	10/25/11												5/3/2012							
	Acetone	Methylene Chloride	Benzene	o-xylenes	Barium	Chromium	Vanadium	Zinc	Alkalinity	TDS	Sulfate	Chloride	Chloroform	Barium	Copper	Zinc	Alkalinity	TDS	Sulfate	Chloride
MW-12	BDL	BDL	BDL	BDL	0.0302	BDL	BDL	0.0154	150	406	120	19.3	BDL	0.0327	BDL	BDL	185	401	94.3	18.2
MW-13	2.7	BDL	BDL	BDL	0.0438	**0.0975**	0.0300	0.0133	290	405	79.7	15.6	BDL	0.0431	0.0051	0.0138	193	421	91.5	19.6
MW-14	4.8	BDL	BDL	BDL	0.102	BDL	0.0078	BDL	450	**620**	78.1	16.4	BDL	0.0315	BDL	BDL	190	426	99.5	20.3
MW-15	BDL	BDL	0.73	0.24	0.0488	BDL	BDL	0.0295	192	392	42.2	23	1.3	0.0339	BDL	BDL	176	386	8.46	69.4
MW-16	BDL	BDL	BDL	BDL	0.0269	BDL	0.0053	BDL	117	331	6.03	66	1.3	0.0332	BDL	BDL	160	425	7.46	71.0
SW-1	BDL	BDL	BDL	BDL	0.0312	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0259	BDL	BDL	BDL	BDL	BDL	BDL
SW-2	BDL	BDL	BDL	BDL	0.0289	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0315	BDL	BDL	BDL	BDL	BDL	BDL
Field Blank	4.9	2.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trip Blank	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2L Standard	**6,000**	**5**	**1**	**500**	**0.7**	**0.01**	**NE**	**1**	**NE**	**500**	**250**	**250**	**70**	**0.7**	**1**	**1**	**NE**	**500**	**250**	**250**

Notes: BDL = Below detection limit
NE = None established
All metals/Inorganic compounds are presented in milligrams per liter (mg/l)
All VOCs are presented in micrograms per liter (ug/l)
TDS = Total Dissolved Solids

APPENDIX A

Pace Analytical®
www.pacelabs.com

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

May 14, 2012

Tom Bolyard
Enviro Pro
2646 Farm Lake Lane
Fort Mill, SC 29708

RE: Project: NMLF EXP I
Pace Project No.: 92117898

Dear Tom Bolyard:
Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Sincerely,

Charles Hardin

tripp.hardin@pacelabs.com
Project Manager

Enclosures

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: NMLF EXP I
Pace Project No.: 92117898

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: NMLF EXP I
Pace Project No.: 92117898

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92117898001	MW-12	Water	05/03/12 11:00	05/04/12 17:00
92117898002	MW-13	Water	05/03/12 11:30	05/04/12 17:00
92117898003	MW-14	Water	05/03/12 12:00	05/04/12 17:00
92117898004	MW-15	Water	05/03/12 12:30	05/04/12 17:00
92117898005	MW-16	Water	05/03/12 13:00	05/04/12 17:00
92117898006	SW-1	Water	05/03/12 13:15	05/04/12 17:00
92117898007	SW-2	Water	05/03/12 13:30	05/04/12 17:00
92117898008	FIELD BLANK	Water	05/03/12 12:15	05/04/12 17:00
92117898009	TRIP BLANK	Water	05/03/12 00:00	05/04/12 17:00

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SAMPLE ANALYTE COUNT

Project: NMLF EXP I
Pace Project No.: 92117898

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92117898001	MW-12	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	LMD	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92117898002	MW-13	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	LMD	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92117898003	MW-14	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	LMD	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92117898004	MW-15	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	LMD	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92117898005	MW-16	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	LMD	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92117898006	SW-1	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: NMLF EXP I
Pace Project No.: 92117898

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	MCK	54	PASI-C
92117898007	SW-2	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	54	PASI-C
92117898008	FIELD BLANK	EPA 8260	MCK	54	PASI-C
92117898009	TRIP BLANK	EPA 8260	MCK	54	PASI-C

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-12 **Lab ID: 92117898001** Collected: 05/03/12 11:00 Received: 05/04/12 17:00 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	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-38-2	
Barium	**32.7J**	ug/L	100	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 22:56	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 22:56	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 22:56	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	05/05/12 09:50	05/07/12 22:56	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	05/05/12 09:50	05/07/12 22:56	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 22:56	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/11/12 09:20	05/11/12 16:13	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		05/07/12 14:49	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 14:49	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 14:49	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 14:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 14:49	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 14:49	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 14:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 14:49	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 14:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 14:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 14:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 14:49	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/07/12 14:49	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 14:49	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 14:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 14:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 14:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 14:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 14:49	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 14:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 14:49	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 14:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 14:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 14:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 14:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 14:49	156-60-5	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-12 **Lab ID: 92117898001** Collected: 05/03/12 11:00 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 14:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 14:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 14:49	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 14:49	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 14:49	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 14:49	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 14:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 14:49	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 14:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 14:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 14:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 14:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 14:49	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 14:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 14:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 14:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 14:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 14:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 14:49	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 14:49	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 14:49	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 14:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 14:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 14:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/07/12 14:49	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/07/12 14:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/07/12 14:49	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/07/12 14:49	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**185000**	ug/L	5000	5000	1		05/08/12 09:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**401000**	ug/L	25000	25000	1		05/07/12 16:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**94300J**	ug/L	1250000	25000	5		05/10/12 10:23	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**18200**	ug/L	5000	5000	1		05/11/12 13:49	16887-00-6	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-13 **Lab ID: 92117898002** Collected: 05/03/12 11:30 Received: 05/04/12 17:00 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	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-38-2	
Barium	**43.1J**	ug/L	100	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:11	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:11	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-48-4	
Copper	**5.1J**	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:11	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	05/05/12 09:50	05/07/12 23:11	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	05/05/12 09:50	05/07/12 23:11	7440-62-2	
Zinc	**13.8**	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:11	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/11/12 09:20	05/11/12 16:16	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		05/07/12 15:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 15:06	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 15:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 15:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 15:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 15:06	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 15:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 15:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 15:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 15:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 15:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 15:06	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/07/12 15:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 15:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 15:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 15:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 15:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 15:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 15:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 15:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 15:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 15:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 15:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 15:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 15:06	156-60-5	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-13 **Lab ID: 92117898002** Collected: 05/03/12 11:30 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 15:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 15:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 15:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 15:06	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 15:06	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 15:06	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 15:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 15:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 15:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 15:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 15:06	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 15:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 15:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 15:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 15:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 15:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 15:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 15:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 15:06	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 15:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 15:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 15:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/07/12 15:06	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		05/07/12 15:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/07/12 15:06	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		05/07/12 15:06	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**193000**	ug/L	5000	5000	1		05/08/12 09:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**421000**	ug/L	25000	25000	1		05/07/12 16:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**91500J**	ug/L	1250000	25000	5		05/10/12 11:03	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**19600**	ug/L	5000	5000	1		05/11/12 13:49	16887-00-6	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-14 **Lab ID: 92117898003** Collected: 05/03/12 12:00 Received: 05/04/12 17:00 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	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-38-2	
Barium	**31.5J**	ug/L	100	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:15	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:15	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:15	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	05/05/12 09:50	05/07/12 23:15	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	05/05/12 09:50	05/07/12 23:15	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:15	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/11/12 09:20	05/11/12 16:19	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		05/07/12 15:23	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 15:23	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 15:23	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 15:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 15:23	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 15:23	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 15:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 15:23	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 15:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 15:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 15:23	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 15:23	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/07/12 15:23	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 15:23	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 15:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 15:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 15:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 15:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:23	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 15:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 15:23	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 15:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 15:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 15:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 15:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 15:23	156-60-5	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-14 **Lab ID: 92117898003** Collected: 05/03/12 12:00 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 15:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 15:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 15:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:23	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 15:23	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 15:23	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 15:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 15:23	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 15:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 15:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 15:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 15:23	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 15:23	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 15:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 15:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 15:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 15:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 15:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 15:23	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 15:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 15:23	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 15:23	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 15:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 15:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/07/12 15:23	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/07/12 15:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/07/12 15:23	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/07/12 15:23	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**190000**	ug/L	5000	5000	1		05/08/12 09:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**426000**	ug/L	25000	25000	1		05/07/12 16:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**99500J**	ug/L	1250000	25000	5		05/10/12 11:17	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**20300**	ug/L	5000	5000	1		05/11/12 13:50	16887-00-6	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-15 **Lab ID: 92117898004** Collected: 05/03/12 12:30 Received: 05/04/12 17:00 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	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-38-2	
Barium	**33.9J**	ug/L	100	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/08/12 13:45	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/08/12 13:45	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/08/12 13:45	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	05/05/12 09:50	05/08/12 13:45	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	05/05/12 09:50	05/08/12 13:45	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/08/12 13:45	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/11/12 09:20	05/11/12 16:21	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		05/07/12 15:39	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 15:39	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 15:39	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 15:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 15:39	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 15:39	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 15:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 15:39	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 15:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 15:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 15:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 15:39	75-00-3	
Chloroform	**1.3**	ug/L	1.0	0.14	1		05/07/12 15:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 15:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 15:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 15:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 15:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 15:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:39	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 15:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 15:39	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 15:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 15:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 15:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 15:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 15:39	156-60-5	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-15 **Lab ID: 92117898004** Collected: 05/03/12 12:30 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 15:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 15:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 15:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:39	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 15:39	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 15:39	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 15:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 15:39	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 15:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 15:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 15:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 15:39	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 15:39	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 15:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 15:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 15:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 15:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 15:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 15:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 15:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 15:39	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 15:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 15:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 15:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/07/12 15:39	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/07/12 15:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		05/07/12 15:39	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/07/12 15:39	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**176000**	ug/L	5000	5000	1		05/08/12 09:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**386000**	ug/L	25000	25000	1		05/07/12 16:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**8460J**	ug/L	250000	5000	1		05/10/12 11:30	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**69400**	ug/L	25000	25000	5		05/11/12 14:17	16887-00-6	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-16 **Lab ID: 92117898005** Collected: 05/03/12 13:00 Received: 05/04/12 17:00 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	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-38-2	
Barium	**33.2J**	ug/L	100	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:21	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:21	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:21	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	05/05/12 09:50	05/07/12 23:21	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	05/05/12 09:50	05/07/12 23:21	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:21	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/11/12 09:20	05/11/12 16:24	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		05/07/12 15:55	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 15:55	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 15:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 15:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 15:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 15:55	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 15:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 15:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 15:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 15:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 15:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 15:55	75-00-3	
Chloroform	**1.3**	ug/L	1.0	0.14	1		05/07/12 15:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 15:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 15:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 15:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 15:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 15:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:55	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 15:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 15:55	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 15:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 15:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 15:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 15:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 15:55	156-60-5	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: MW-16 **Lab ID: 92117898005** Collected: 05/03/12 13:00 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 15:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 15:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 15:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 15:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 15:55	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 15:55	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 15:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 15:55	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 15:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 15:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 15:55	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 15:55	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 15:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 15:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 15:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 15:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 15:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 15:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 15:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 15:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 15:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 15:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 15:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/07/12 15:55	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/07/12 15:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		05/07/12 15:55	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/07/12 15:55	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**160000**	ug/L	5000	5000	1		05/08/12 09:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**425000**	ug/L	25000	25000	1		05/07/12 16:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**7460J**	ug/L	250000	5000	1		05/10/12 12:11	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**71000**	ug/L	25000	25000	5		05/11/12 14:19	16887-00-6	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: SW-1 **Lab ID: 92117898006** Collected: 05/03/12 13:15 Received: 05/04/12 17:00 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	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-38-2	
Barium	**25.9J**	ug/L	100	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:24	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:24	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7439-92-1	
Nickel	ND	ug/L	50.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:24	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	05/05/12 09:50	05/07/12 23:24	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	05/05/12 09:50	05/07/12 23:24	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:24	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/11/12 09:20	05/11/12 16:27	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		05/07/12 16:12	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 16:12	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 16:12	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 16:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 16:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 16:12	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 16:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 16:12	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 16:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 16:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 16:12	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 16:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/07/12 16:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 16:12	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 16:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 16:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 16:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 16:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 16:12	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 16:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 16:12	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 16:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 16:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 16:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 16:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 16:12	156-60-5	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: SW-1 **Lab ID: 92117898006** Collected: 05/03/12 13:15 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 16:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 16:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 16:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 16:12	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 16:12	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 16:12	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 16:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 16:12	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 16:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 16:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 16:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 16:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 16:12	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 16:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 16:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 16:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 16:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 16:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 16:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 16:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 16:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 16:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 16:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 16:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		05/07/12 16:12	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/07/12 16:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/07/12 16:12	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		05/07/12 16:12	2037-26-5	

Sample: SW-2 **Lab ID: 92117898007** Collected: 05/03/12 13:30 Received: 05/04/12 17:00 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	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-38-2	
Barium	**31.5J**	ug/L	100	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:27	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	05/05/12 09:50	05/07/12 23:27	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-47-3	
Cobalt	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-48-4	
Copper	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-50-8	
Lead	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7439-92-1	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: SW-2 **Lab ID: 92117898007** Collected: 05/03/12 13:30 Received: 05/04/12 17:00 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								
Nickel	ND	ug/L	50.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:27	7782-49-2	
Silver	ND	ug/L	10.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-22-4	
Thallium	ND	ug/L	5.5	5.4	1	05/05/12 09:50	05/07/12 23:27	7440-28-0	
Vanadium	ND	ug/L	25.0	5.0	1	05/05/12 09:50	05/07/12 23:27	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	05/05/12 09:50	05/07/12 23:27	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	05/11/12 09:20	05/11/12 16:29	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		05/07/12 16:29	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 16:29	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 16:29	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 16:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 16:29	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 16:29	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 16:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 16:29	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 16:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 16:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 16:29	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 16:29	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/07/12 16:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 16:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 16:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 16:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 16:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 16:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 16:29	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 16:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 16:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 16:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 16:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 16:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 16:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 16:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 16:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 16:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 16:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 16:29	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 16:29	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 16:29	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 16:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 16:29	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 16:29	100-42-5	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: SW-2 **Lab ID: 92117898007** Collected: 05/03/12 13:30 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 16:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 16:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 16:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 16:29	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 16:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 16:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 16:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 16:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 16:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 16:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 16:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 16:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 16:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 16:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 16:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/07/12 16:29	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/07/12 16:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/07/12 16:29	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/07/12 16:29	2037-26-5	

Sample: FIELD BLANK **Lab ID: 92117898008** Collected: 05/03/12 12:15 Received: 05/04/12 17:00 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	25.0	2.2	1		05/07/12 16:45	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 16:45	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 16:45	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 16:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 16:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 16:45	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 16:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 16:45	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 16:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 16:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 16:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 16:45	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/07/12 16:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 16:45	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 16:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 16:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 16:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 16:45	74-95-3	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: FIELD BLANK **Lab ID: 92117898008** Collected: 05/03/12 12:15 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 16:45	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 16:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 16:45	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 16:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 16:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 16:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 16:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 16:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 16:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 16:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 16:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 16:45	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 16:45	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 16:45	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 16:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 16:45	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 16:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 16:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 16:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 16:45	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 16:45	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 16:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 16:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 16:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 16:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 16:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 16:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 16:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 16:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 16:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 16:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 16:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/07/12 16:45	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		05/07/12 16:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/07/12 16:45	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		05/07/12 16:45	2037-26-5	

Sample: TRIP BLANK **Lab ID: 92117898009** Collected: 05/03/12 00:00 Received: 05/04/12 17:00 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	25.0	2.2	1		05/07/12 17:02	67-64-1	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: TRIP BLANK **Lab ID: 92117898009** Collected: 05/03/12 00:00 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acrylonitrile	ND	ug/L	10.0	1.9	1		05/07/12 17:02	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		05/07/12 17:02	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/07/12 17:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/07/12 17:02	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/07/12 17:02	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/07/12 17:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/07/12 17:02	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		05/07/12 17:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/07/12 17:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/07/12 17:02	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/07/12 17:02	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/07/12 17:02	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/07/12 17:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		05/07/12 17:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/07/12 17:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/07/12 17:02	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/07/12 17:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/07/12 17:02	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/07/12 17:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		05/07/12 17:02	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/07/12 17:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/07/12 17:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/07/12 17:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/07/12 17:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/07/12 17:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/07/12 17:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/07/12 17:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/07/12 17:02	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/07/12 17:02	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/07/12 17:02	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		05/07/12 17:02	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		05/07/12 17:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/07/12 17:02	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		05/07/12 17:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/07/12 17:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/07/12 17:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/07/12 17:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	3.1	1		05/07/12 17:02	109-99-9	
Toluene	ND	ug/L	1.0	0.26	1		05/07/12 17:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/07/12 17:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/07/12 17:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/07/12 17:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/07/12 17:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/07/12 17:02	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/07/12 17:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/07/12 17:02	75-01-4	

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ANALYTICAL RESULTS

Project: NMLF EXP I
Pace Project No.: 92117898

Sample: TRIP BLANK **Lab ID: 92117898009** Collected: 05/03/12 00:00 Received: 05/04/12 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/07/12 17:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/07/12 17:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/07/12 17:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/07/12 17:02	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		05/07/12 17:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/07/12 17:02	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/07/12 17:02	2037-26-5	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

QC Batch: MERP/4223 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005, 92117898006, 92117898007

METHOD BLANK: 761924 Matrix: Water
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005, 92117898006, 92117898007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/11/12 15:47	

LABORATORY CONTROL SAMPLE: 761925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 761926 761927

Parameter	Units	92117933003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.12J	2.5	2.5	1.7	1.7	63	64	75-125	1	25	M1

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

QC Batch: MPRP/10517 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005, 92117898006, 92117898007

METHOD BLANK: 759762 Matrix: Water
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005, 92117898006, 92117898007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	05/07/12 22:43	
Arsenic	ug/L	ND	10.0	05/07/12 22:43	
Barium	ug/L	ND	100	05/07/12 22:43	
Beryllium	ug/L	ND	1.0	05/07/12 22:43	
Cadmium	ug/L	ND	1.0	05/07/12 22:43	
Chromium	ug/L	ND	10.0	05/07/12 22:43	
Cobalt	ug/L	ND	10.0	05/07/12 22:43	
Copper	ug/L	ND	10.0	05/07/12 22:43	
Lead	ug/L	ND	10.0	05/07/12 22:43	
Nickel	ug/L	ND	50.0	05/07/12 22:43	
Selenium	ug/L	ND	10.0	05/07/12 22:43	
Silver	ug/L	ND	10.0	05/07/12 22:43	
Thallium	ug/L	ND	5.5	05/07/12 22:43	
Vanadium	ug/L	ND	25.0	05/07/12 22:43	
Zinc	ug/L	ND	10.0	05/07/12 22:43	

LABORATORY CONTROL SAMPLE: 759763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	450	90	80-120	
Arsenic	ug/L	500	450	90	80-120	
Barium	ug/L	500	450	90	80-120	
Beryllium	ug/L	500	454	91	80-120	
Cadmium	ug/L	500	459	92	80-120	
Chromium	ug/L	500	449	90	80-120	
Cobalt	ug/L	500	452	90	80-120	
Copper	ug/L	500	447	89	80-120	
Lead	ug/L	500	455	91	80-120	
Nickel	ug/L	500	454	91	80-120	
Selenium	ug/L	500	452	90	80-120	
Silver	ug/L	250	230	92	80-120	
Thallium	ug/L	500	442	88	80-120	
Vanadium	ug/L	500	456	91	80-120	
Zinc	ug/L	500	452	90	80-120	

MATRIX SPIKE SAMPLE: 759764

Parameter	Units	92117740004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	469	93	75-125	
Arsenic	ug/L	7.0	500	486	96	75-125	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

MATRIX SPIKE SAMPLE: 759764

Parameter	Units	92117740004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	128	500	581	91	75-125	
Beryllium	ug/L	ND	500	459	92	75-125	
Cadmium	ug/L	ND	500	457	91	75-125	
Chromium	ug/L	ND	500	453	90	75-125	
Cobalt	ug/L	ND	500	452	90	75-125	
Copper	ug/L	ND	500	470	94	75-125	
Lead	ug/L	ND	500	453	91	75-125	
Nickel	ug/L	ND	500	453	91	75-125	
Selenium	ug/L	ND	500	470	94	75-125	
Silver	ug/L	ND	250	237	95	75-125	
Thallium	ug/L	ND	500	433	86	75-125	
Vanadium	ug/L	ND	500	467	93	75-125	
Zinc	ug/L	ND	500	464	92	75-125	

SAMPLE DUPLICATE: 759765

Parameter	Units	92117898001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	32.7J	32.2J	2	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	ND	ND		25	
Cobalt	ug/L	ND	ND		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	ND	ND		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	ND	ND		25	
Zinc	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

QC Batch: MSV/19028 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005, 92117898006, 92117898007, 92117898008, 92117898009

METHOD BLANK: 759987 Matrix: Water
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005, 92117898006, 92117898007, 92117898008, 92117898009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/07/12 17:52	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/07/12 17:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/07/12 17:52	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/07/12 17:52	
1,1-Dichloroethane	ug/L	ND	1.0	05/07/12 17:52	
1,1-Dichloroethene	ug/L	ND	1.0	05/07/12 17:52	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/07/12 17:52	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	05/07/12 17:52	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/07/12 17:52	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/07/12 17:52	
1,2-Dichloroethane	ug/L	ND	1.0	05/07/12 17:52	
1,2-Dichloropropane	ug/L	ND	1.0	05/07/12 17:52	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/07/12 17:52	
2-Butanone (MEK)	ug/L	ND	5.0	05/07/12 17:52	
2-Hexanone	ug/L	ND	5.0	05/07/12 17:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/07/12 17:52	
Acetone	ug/L	ND	25.0	05/07/12 17:52	
Acrylonitrile	ug/L	ND	10.0	05/07/12 17:52	
Benzene	ug/L	ND	1.0	05/07/12 17:52	
Bromochloromethane	ug/L	ND	1.0	05/07/12 17:52	
Bromodichloromethane	ug/L	ND	1.0	05/07/12 17:52	
Bromoform	ug/L	ND	1.0	05/07/12 17:52	
Bromomethane	ug/L	ND	2.0	05/07/12 17:52	
Carbon disulfide	ug/L	ND	2.0	05/07/12 17:52	
Carbon tetrachloride	ug/L	ND	1.0	05/07/12 17:52	
Chlorobenzene	ug/L	ND	1.0	05/07/12 17:52	
Chloroethane	ug/L	ND	1.0	05/07/12 17:52	
Chloroform	ug/L	ND	1.0	05/07/12 17:52	
Chloromethane	ug/L	ND	1.0	05/07/12 17:52	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/07/12 17:52	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/07/12 17:52	
Dibromochloromethane	ug/L	ND	1.0	05/07/12 17:52	
Dibromomethane	ug/L	ND	1.0	05/07/12 17:52	
Ethylbenzene	ug/L	ND	1.0	05/07/12 17:52	
Iodomethane	ug/L	ND	5.0	05/07/12 17:52	
m&p-Xylene	ug/L	ND	2.0	05/07/12 17:52	
Methylene Chloride	ug/L	ND	1.0	05/07/12 17:52	
o-Xylene	ug/L	ND	1.0	05/07/12 17:52	
Styrene	ug/L	ND	1.0	05/07/12 17:52	
Tetrachloroethene	ug/L	ND	1.0	05/07/12 17:52	
Tetrahydrofuran	ug/L	ND	10.0	05/07/12 17:52	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

METHOD BLANK: 759987 Matrix: Water

Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005, 92117898006, 92117898007, 92117898008, 92117898009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	1.0	05/07/12 17:52	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/07/12 17:52	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/07/12 17:52	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	05/07/12 17:52	
Trichloroethene	ug/L	ND	1.0	05/07/12 17:52	
Trichlorofluoromethane	ug/L	ND	1.0	05/07/12 17:52	
Vinyl acetate	ug/L	ND	2.0	05/07/12 17:52	
Vinyl chloride	ug/L	ND	1.0	05/07/12 17:52	
Xylene (Total)	ug/L	ND	2.0	05/07/12 17:52	
1,2-Dichloroethane-d4 (S)	%	101	70-130	05/07/12 17:52	
4-Bromofluorobenzene (S)	%	104	70-130	05/07/12 17:52	
Dibromofluoromethane (S)	%	102	70-130	05/07/12 17:52	
Toluene-d8 (S)	%	100	70-130	05/07/12 17:52	

LABORATORY CONTROL SAMPLE: 759988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.4	93	70-130	
1,1,1-Trichloroethane	ug/L	50	41.7	83	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	70-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	39.4	79	70-130	
1,1-Dichloroethene	ug/L	50	45.6	91	70-132	
1,2,3-Trichloropropane	ug/L	50	45.2	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.4	81	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	46.1	92	70-130	
1,2-Dichlorobenzene	ug/L	50	44.9	90	70-130	
1,2-Dichloroethane	ug/L	50	42.6	85	70-130	
1,2-Dichloropropane	ug/L	50	46.0	92	70-130	
1,4-Dichlorobenzene	ug/L	50	45.7	91	70-130	
2-Butanone (MEK)	ug/L	100	87.3	87	70-145	
2-Hexanone	ug/L	100	88.6	89	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.2	93	70-140	
Acetone	ug/L	100	95.6	96	50-175	
Acrylonitrile	ug/L	250	224	90	70-143	
Benzene	ug/L	50	47.6	95	70-130	
Bromochloromethane	ug/L	50	54.5	109	70-130	
Bromodichloromethane	ug/L	50	44.7	89	70-130	
Bromoform	ug/L	50	48.0	96	70-130	
Bromomethane	ug/L	50	43.9	88	54-130	F3
Carbon disulfide	ug/L	50	49.6	99	70-131	
Carbon tetrachloride	ug/L	50	48.2	96	70-132	
Chlorobenzene	ug/L	50	46.0	92	70-130	
Chloroethane	ug/L	50	38.3	77	64-134	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

LABORATORY CONTROL SAMPLE: 759988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	50	46.8	94	70-130	
Chloromethane	ug/L	50	35.8	72	64-130	
cis-1,2-Dichloroethene	ug/L	50	43.4	87	70-131	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	45.8	92	70-130	
Dibromomethane	ug/L	50	49.4	99	70-131	
Ethylbenzene	ug/L	50	45.8	92	70-130	
Iodomethane	ug/L	100	102	102	49-180	
m&p-Xylene	ug/L	100	91.5	92	70-130	
Methylene Chloride	ug/L	50	47.3	95	63-130	
o-Xylene	ug/L	50	43.2	86	70-130	
Styrene	ug/L	50	46.9	94	70-130	
Tetrachloroethene	ug/L	50	46.4	93	70-130	
Tetrahydrofuran	ug/L	500	457	91	70-130	
Toluene	ug/L	50	47.1	94	70-130	
trans-1,2-Dichloroethene	ug/L	50	42.1	84	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.6	93	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	53.7	107	70-141	
Trichloroethene	ug/L	50	48.8	98	70-130	
Trichlorofluoromethane	ug/L	50	45.8	92	62-133	
Vinyl acetate	ug/L	100	82.0	82	66-157	
Vinyl chloride	ug/L	50	42.7	85	69-130	
Xylene (Total)	ug/L	150	135	90	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 759989 759990

Parameter	Units	92117898006 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	52.9	49.9	106	100	70-166	6	30	
Benzene	ug/L	ND	50	50	46.4	44.4	93	89	70-148	4	30	
Chlorobenzene	ug/L	ND	50	50	55.4	52.6	111	105	70-146	5	30	
Toluene	ug/L	ND	50	50	52.9	51.3	106	103	70-155	3	30	
Trichloroethene	ug/L	ND	50	50	56.5	53.6	113	107	69-151	5	30	
1,2-Dichloroethane-d4 (S)	%						96	95	70-130			
4-Bromofluorobenzene (S)	%						106	105	70-130			
Dibromofluoromethane (S)	%						98	99	70-130			
Toluene-d8 (S)	%						98	100	70-130			

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

QC Batch: WET/20754 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

METHOD BLANK: 760330 Matrix: Water
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	ug/L	ND	5000	05/08/12 09:40	

LABORATORY CONTROL SAMPLE: 760331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	ug/L	50000	50400	101	90-110	

SAMPLE DUPLICATE: 760335

Parameter	Units	92117898001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	185000	194000	5	20	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

QC Batch: WET/20745 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

METHOD BLANK: 760208 Matrix: Water
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	ug/L	ND	25000	05/07/12 16:55	

LABORATORY CONTROL SAMPLE: 760209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	ug/L	250000	250000	100	80-120	

SAMPLE DUPLICATE: 760210

Parameter	Units	92117898001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	ug/L	401000	397000	1	10	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

QC Batch: WETA/12081 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

METHOD BLANK: 759991 Matrix: Water
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	250000	05/09/12 12:37	

LABORATORY CONTROL SAMPLE: 759992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20000	18900J	94	90-110	

MATRIX SPIKE SAMPLE: 759993

Parameter	Units	92117584006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	279 mg/L	20000	285000J	28	90-110	M6

MATRIX SPIKE SAMPLE: 759995

Parameter	Units	92117898004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	8460J	20000	26400J	89	90-110	M1

SAMPLE DUPLICATE: 759994

Parameter	Units	92117584006 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	279 mg/L	286000J	2	20	

SAMPLE DUPLICATE: 759996

Parameter	Units	92117898004 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	ug/L	8460J	8810J	4	20	

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QUALITY CONTROL DATA

Project: NMLF EXP I
Pace Project No.: 92117898

QC Batch: WETA/12107 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

METHOD BLANK: 762707 Matrix: Water
Associated Lab Samples: 92117898001, 92117898002, 92117898003, 92117898004, 92117898005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	5000	05/11/12 13:33	

LABORATORY CONTROL SAMPLE: 762708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	20000	20000	100	90-110	

MATRIX SPIKE SAMPLE: 762709

Parameter	Units	92117530002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	30.1 mg/L	20000	51600	107	75-125	

SAMPLE DUPLICATE: 762710

Parameter	Units	92117825002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	ug/L	140 mg/L	141000	1	20	

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QUALIFIERS

Project: NMLF EXP I
Pace Project No.: 92117898

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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TNI - The NELAC Institute.

LABORATORIES

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

ANALYTE QUALIFIERS

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NMLF EXP I
Pace Project No.: 92117898

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92117898001	MW-12	EPA 3010	MPRP/10517	EPA 6010	ICP/9682
92117898002	MW-13	EPA 3010	MPRP/10517	EPA 6010	ICP/9682
92117898003	MW-14	EPA 3010	MPRP/10517	EPA 6010	ICP/9682
92117898004	MW-15	EPA 3010	MPRP/10517	EPA 6010	ICP/9682
92117898005	MW-16	EPA 3010	MPRP/10517	EPA 6010	ICP/9682
92117898006	SW-1	EPA 3010	MPRP/10517	EPA 6010	ICP/9682
92117898007	SW-2	EPA 3010	MPRP/10517	EPA 6010	ICP/9682
92117898001	MW-12	EPA 7470	MERP/4223	EPA 7470	MERC/4146
92117898002	MW-13	EPA 7470	MERP/4223	EPA 7470	MERC/4146
92117898003	MW-14	EPA 7470	MERP/4223	EPA 7470	MERC/4146
92117898004	MW-15	EPA 7470	MERP/4223	EPA 7470	MERC/4146
92117898005	MW-16	EPA 7470	MERP/4223	EPA 7470	MERC/4146
92117898006	SW-1	EPA 7470	MERP/4223	EPA 7470	MERC/4146
92117898007	SW-2	EPA 7470	MERP/4223	EPA 7470	MERC/4146
92117898001	MW-12	EPA 8260	MSV/19028		
92117898002	MW-13	EPA 8260	MSV/19028		
92117898003	MW-14	EPA 8260	MSV/19028		
92117898004	MW-15	EPA 8260	MSV/19028		
92117898005	MW-16	EPA 8260	MSV/19028		
92117898006	SW-1	EPA 8260	MSV/19028		
92117898007	SW-2	EPA 8260	MSV/19028		
92117898008	FIELD BLANK	EPA 8260	MSV/19028		
92117898009	TRIP BLANK	EPA 8260	MSV/19028		
92117898001	MW-12	SM 2320B	WET/20754		
92117898002	MW-13	SM 2320B	WET/20754		
92117898003	MW-14	SM 2320B	WET/20754		
92117898004	MW-15	SM 2320B	WET/20754		
92117898005	MW-16	SM 2320B	WET/20754		
92117898001	MW-12	SM 2540C	WET/20745		
92117898002	MW-13	SM 2540C	WET/20745		
92117898003	MW-14	SM 2540C	WET/20745		
92117898004	MW-15	SM 2540C	WET/20745		
92117898005	MW-16	SM 2540C	WET/20745		
92117898001	MW-12	EPA 300.0	WETA/12081		
92117898002	MW-13	EPA 300.0	WETA/12081		
92117898003	MW-14	EPA 300.0	WETA/12081		
92117898004	MW-15	EPA 300.0	WETA/12081		
92117898005	MW-16	EPA 300.0	WETA/12081		
92117898001	MW-12	SM 4500-Cl-E	WETA/12107		
92117898002	MW-13	SM 4500-Cl-E	WETA/12107		
92117898003	MW-14	SM 4500-Cl-E	WETA/12107		
92117898004	MW-15	SM 4500-Cl-E	WETA/12107		
92117898005	MW-16	SM 4500-Cl-E	WETA/12107		

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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

1585523

Section A Required Client Information:

Company: Enviro-Pro, P.C.
Address: 2646 Farmlake Ln. Ft. Mill, SC 29708
Email To:
Phone: 803-547-4955 Fax:
Requested Due Date/TAT: 2wks

Section B Required Project Information:

Report To: Tom Belyard
Copy To:
Purchase Order No.:
Project Name: NMLF-Exp. I
Project Number: ED-1292

Section C Invoice Information:

Attention: Tom Belyard
Company Name: Stone
Address:
Pace Quote Reference:
Pace Project Manager: Tripp Hardin
Pace Profile #: 2047-1

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

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): App I VOCs + THF (N); App I metals + Hg (N); Alkalinity (N); Sulfate (N); Chloride (N); TDS (N)

92177898

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	App I VOCs + THF	App I metals + Hg	Alkalinity	Sulfate	Chloride	TDS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-12	WT	G			5/3/12	11:00		7	3		1	3					✓	✓	✓	✓	✓			001
2	MW-13	WT	G				11:30		7	3		1	3					✓	✓	✓	✓	✓			002
3	MW-14	WT	G				12:00		7	3		1	3					✓	✓	✓	✓	✓			003
4	MW-15	WT	G				12:30		7	3		1	3					✓	✓	✓	✓	✓			004
5	MW-16	WT	G				13:00		7	3		1	3					✓	✓	✓	✓	✓			005
6	SW-1	WT	G				13:15		4			1	3					✓	✓						006
7	SW-2	WT	G				13:30		4			1	3					✓	✓						007
8	Field Blank	WT	G				12:15		2				2					✓							008
9	Trip Blank	WT							2				2					✓							009
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Use lower-level NC Solid Waste	T. Belyard / Enviro Pro	5/4/12	12:00	J. Moody - Pace	5-4-12	12:00				
detection limits - Also, send	J. Moody	5-4-12	17:00	J. Moody / Pace	5-4-12	1700	4.2	Y	N	Y
EDD version										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: T. Belyard
SIGNATURE of SAMPLER: T. Belyard
DATE Signed (MM/DD/YY): 5/3/12

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

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: January 30, 2012 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.06**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Enviro Project # 92117898

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

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

Optional
Proj. Due Date:
Proj. Name:

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

Thermometer Used: IR Gun (T1101) T1102 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Temp Correction Factor T1101: No Correction T1102: Subtract 1.2°C

Corrected Cooler Temp.: 4.0 C **Biological Tissue is Frozen:** Yes No N/A

Date and initials of person examining contents: 1/M 5/12

Temp should be above freezing to 6°C

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: CAH **Date:** 5/7/12 **SRF Review:** CAH **Date:** 5/7/12

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) .

APPENDIX B

WELL DEVELOPMENT, PURGE, AND SAMPLE RECORD

CLIENT: N. Meck. Landfill, LLC
LOCATION: 15300 Holbrook Rd., Huntersville, NC
PROJECT NAME/DESCRIPTION: NMLF - Exp. I
DATE OF WATER LEVEL MEASUREMENTS: 5-3-12

DEVELOP:
PURGING: ✓
SAMPLING: ✓

PROJECT NO.: EP-1292
PROJ. MGR.: THB
CHECKED BY:
PREPARED BY: THB

Sample ID	A Well No.	B Sample Date	C Time (hrs)	D Well Depth (ft)	E MP Elevation (ft)	F Depth to Water (ft-bmp)	(E - F) = G Water Level Elevation (ft)	(D - F) = H Hgt. of Water Col. (ft)	I Volume of Water (gal)*	Vol. of Water Pgd. (gal)**	Temp. (°C)	Specific Cond. (umhos)	pH	Turbidity or Appearance
	MW-12	5-3-12	11:00	60		50.25		9.75	1.5	4.5				
	MW-13	"	11:30	26		12.57		13.43	2.1	6.5				
	MW-14	"	12:00	23		13.05		9.95	1.5	4.5				
	MW-15	"	12:30	23		13.96		9.04	1.4	4.4				
	MW-16	"	13:00	33		21.78		11.22	1.8	5.4				
	SW-1	"	13:15	—		—		—	—	—				
	SW-2	"	13:30	—		—		—	—	—				
	Field Blank	"	12:15	—		—		—	—	—				

Comments:

*To calculate volume of water in the well multiply "H" by 0.163 for a 2" well, 0.652 for a 4" well, or 1.469 for a 6" well.

**To calculate purge volume, multiply "I" by the desired number of well volumes (e.g., 3 to 5)

(e.g., after each well volume).