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)
Alexander County Active C&D upon Closed Unlined MSWLF	2500 Paynes Dairy Road Taylorsville, NC 28681	02-01	.0500	July 7-8 & 12-14, 2010

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.

Mark Brown, LG, PG — Senior Professional Geologist — (919) 772-5393

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

Signature — 10/4/10 Date

Affix NC Licensed/Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1711 GEOLOGIST STEPHEN MARK BROWN 10/4/10

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

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

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

July 22, 2010

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

RE: Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory between July 09, 2010 and July 15, 2010. 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.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

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

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 #: 9903002
South Carolina Certification #: 9903001
Virginia Certification #: 00072

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SAMPLE SUMMARY

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9273128001	**MW-18**	Water	07/08/10 15:10	07/09/10 14:35
9273128002	**MW-6**	Water	07/12/10 16:30	07/13/10 11:06
9273128003	**MW-13**	Water	07/12/10 15:00	07/13/10 11:06
9273128004	**MW-24**	Water	07/12/10 10:40	07/13/10 11:06
9273128005	**MW-25**	Water	07/12/10 12:15	07/13/10 11:06
9273128006	**MW-5**	Water	07/13/10 17:25	07/14/10 17:10
9273128007	**MW-7**	Water	07/13/10 11:00	07/14/10 17:10
9273128008	**MW-12**	Water	07/13/10 12:30	07/14/10 17:10
9273128009	**MW-12D**	Water	07/13/10 15:30	07/14/10 17:10
9273128010	**MW-27**	Water	07/13/10 09:40	07/14/10 17:10
9273128011	**MW-3**	Water	07/14/10 16:00	07/15/10 11:50
9273128012	**MW-11**	Water	07/14/10 12:35	07/15/10 11:50
9273128013	**MW-16**	Water	07/14/10 10:30	07/15/10 11:50
9273128014	**MW-26**	Water	07/14/10 09:00	07/15/10 11:50

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SAMPLE ANALYTE COUNT

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9273128001	**MW-18**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128002	**MW-6**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128003	**MW-13**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128004	**MW-24**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128005	**MW-25**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128006	**MW-5**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128007	**MW-7**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128008	**MW-12**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128009	**MW-12D**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128010	**MW-27**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128011	**MW-3**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128012	**MW-11**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128013	**MW-16**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273128014	**MW-26**	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	52	PASI-C

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-18 **Lab ID: 9273128001** Collected: 07/08/10 15:10 Received: 07/09/10 14:35 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	07/13/10 11:40	07/14/10 23:43	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/14/10 23:43	7440-38-2	
Barium	**66.3J**	ug/L	100	0.20	1	07/13/10 11:40	07/14/10 23:43	7440-39-3	
Beryllium	**0.44J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/14/10 23:43	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/14/10 23:43	7440-43-9	
Chromium	**22.6**	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:43	7440-47-3	
Cobalt	**22.2**	ug/L	10.0	0.60	1	07/13/10 11:40	07/14/10 23:43	7440-48-4	
Copper	**43.1**	ug/L	10.0	0.30	1	07/13/10 11:40	07/14/10 23:43	7440-50-8	
Iron	**32100**	ug/L	300	14.0	1	07/13/10 11:40	07/14/10 23:43	7439-89-6	
Lead	**5.5J**	ug/L	10.0	4.0	1	07/13/10 11:40	07/14/10 23:43	7439-92-1	
Nickel	**16.8J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/14/10 23:43	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/14/10 23:43	7782-49-2	
Silver	**0.11J**	ug/L	10.0	0.10	1	07/13/10 11:40	07/14/10 23:43	7440-22-4	
Vanadium	**38.6**	ug/L	25.0	0.20	1	07/13/10 11:40	07/14/10 23:43	7440-62-2	
Zinc	**38.8**	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:43	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 11:56	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 11:56	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/19/10 11:56	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 11:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 11:56	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 11:56	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 11:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 11:56	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 11:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 11:56	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 11:56	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 11:56	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 11:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 11:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 11:56	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 11:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 11:56	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 11:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 11:56	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/19/10 11:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 11:56	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/19/10 11:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 11:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 11:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/19/10 11:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 11:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 11:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 11:56	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 11:56	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-18 **Lab ID: 9273128001** Collected: 07/08/10 15:10 Received: 07/09/10 14:35 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		07/19/10 11:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 11:56	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 11:56	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 11:56	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 11:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 11:56	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 11:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 11:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 11:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 11:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 11:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 11:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 11:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 11:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 11:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 11:56	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 11:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 11:56	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 11:56	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/19/10 11:56	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		07/19/10 11:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		07/19/10 11:56	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/19/10 11:56	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-6 **Lab ID: 9273128002** Collected: 07/12/10 16:30 Received: 07/13/10 11:06 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	07/15/10 11:25	07/17/10 08:25	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/15/10 11:25	07/17/10 08:25	7440-38-2	
Barium	**42.8J**	ug/L	100	0.20	1	07/15/10 11:25	07/17/10 08:25	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/15/10 11:25	07/17/10 08:25	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/15/10 11:25	07/17/10 08:25	7440-43-9	
Chromium	**0.88J**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:25	7440-47-3	
Cobalt	**18.7**	ug/L	10.0	0.60	1	07/15/10 11:25	07/17/10 08:25	7440-48-4	
Copper	**0.99J**	ug/L	10.0	0.30	1	07/15/10 11:25	07/17/10 08:25	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/15/10 11:25	07/17/10 08:25	7439-92-1	
Nickel	**7.1J**	ug/L	50.0	1.7	1	07/15/10 11:25	07/17/10 08:25	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/15/10 11:25	07/17/10 08:25	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/15/10 11:25	07/17/10 08:25	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/15/10 11:25	07/19/10 15:35	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	07/15/10 11:25	07/17/10 08:25	7440-62-2	
Zinc	**8.2J**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:25	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**2.6J**	ug/L	100	2.2	1		07/19/10 12:21	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 12:21	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/19/10 12:21	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 12:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 12:21	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 12:21	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 12:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 12:21	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 12:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 12:21	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 12:21	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 12:21	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 12:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 12:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 12:21	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 12:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 12:21	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 12:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 12:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/19/10 12:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 12:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/19/10 12:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 12:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 12:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/19/10 12:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 12:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 12:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 12:21	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 12:21	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-6 **Lab ID: 9273128002** Collected: 07/12/10 16:30 Received: 07/13/10 11:06 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		07/19/10 12:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 12:21	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 12:21	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 12:21	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 12:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 12:21	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 12:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 12:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 12:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 12:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 12:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 12:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 12:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 12:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 12:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 12:21	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 12:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 12:21	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 12:21	1330-20-7	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/19/10 12:21	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		07/19/10 12:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		07/19/10 12:21	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		07/19/10 12:21	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-13 **Lab ID: 9273128003** Collected: 07/12/10 15:00 Received: 07/13/10 11:06 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	07/15/10 11:25	07/17/10 08:31	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/15/10 11:25	07/17/10 08:31	7440-38-2	
Barium	**13.1J**	ug/L	100	0.20	1	07/15/10 11:25	07/17/10 08:31	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/15/10 11:25	07/17/10 08:31	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/15/10 11:25	07/17/10 08:31	7440-43-9	
Chromium	**1.2J**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:31	7440-47-3	
Cobalt	**4.6J**	ug/L	10.0	0.60	1	07/15/10 11:25	07/17/10 08:31	7440-48-4	
Copper	**0.94J**	ug/L	10.0	0.30	1	07/15/10 11:25	07/17/10 08:31	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/15/10 11:25	07/17/10 08:31	7439-92-1	
Nickel	**3.6J**	ug/L	50.0	1.7	1	07/15/10 11:25	07/17/10 08:31	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/15/10 11:25	07/17/10 08:31	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/15/10 11:25	07/17/10 08:31	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/15/10 11:25	07/19/10 15:38	7440-28-0	
Vanadium	**0.43J**	ug/L	25.0	0.20	1	07/15/10 11:25	07/17/10 08:31	7440-62-2	
Zinc	**7.8J**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:31	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 12:47	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 12:47	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/19/10 12:47	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 12:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 12:47	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 12:47	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 12:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 12:47	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 12:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 12:47	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 12:47	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 12:47	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 12:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 12:47	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 12:47	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 12:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 12:47	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 12:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 12:47	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/19/10 12:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 12:47	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/19/10 12:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 12:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 12:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/19/10 12:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 12:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 12:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 12:47	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 12:47	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-13 **Lab ID: 9273128003** Collected: 07/12/10 15:00 Received: 07/13/10 11:06 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		07/19/10 12:47	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 12:47	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 12:47	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 12:47	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 12:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 12:47	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 12:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 12:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 12:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 12:47	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 12:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 12:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 12:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 12:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 12:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 12:47	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 12:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 12:47	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 12:47	1330-20-7	
4-Bromofluorobenzene (S)	92	%	70-130		1		07/19/10 12:47	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/19/10 12:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/19/10 12:47	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/19/10 12:47	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-24 **Lab ID: 9273128004** Collected: 07/12/10 10:40 Received: 07/13/10 11:06 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	07/15/10 11:25	07/17/10 08:38	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/15/10 11:25	07/17/10 08:38	7440-38-2	
Barium	**86.0J**	ug/L	100	0.20	1	07/15/10 11:25	07/17/10 08:38	7440-39-3	
Beryllium	**0.25J**	ug/L	1.0	0.10	1	07/15/10 11:25	07/17/10 08:38	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/15/10 11:25	07/17/10 08:38	7440-43-9	
Chromium	**12.9**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:38	7440-47-3	
Cobalt	**15.0**	ug/L	10.0	0.60	1	07/15/10 11:25	07/17/10 08:38	7440-48-4	
Copper	**3.1J**	ug/L	10.0	0.30	1	07/15/10 11:25	07/17/10 08:38	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/15/10 11:25	07/17/10 08:38	7439-92-1	
Nickel	**8.0J**	ug/L	50.0	1.7	1	07/15/10 11:25	07/17/10 08:38	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/15/10 11:25	07/17/10 08:38	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/15/10 11:25	07/17/10 08:38	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/15/10 11:25	07/17/10 08:38	7440-28-0	
Vanadium	**7.5J**	ug/L	25.0	0.20	1	07/15/10 11:25	07/17/10 08:38	7440-62-2	
Zinc	**21.5**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:38	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 13:12	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 13:12	107-13-1	
Benzene	**0.66J**	ug/L	1.0	0.25	1		07/19/10 13:12	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 13:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 13:12	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 13:12	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 13:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 13:12	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 13:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 13:12	56-23-5	
Chlorobenzene	**0.31J**	ug/L	3.0	0.23	1		07/19/10 13:12	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 13:12	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 13:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 13:12	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 13:12	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 13:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 13:12	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 13:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 13:12	95-50-1	
1,4-Dichlorobenzene	**1.6**	ug/L	1.0	0.33	1		07/19/10 13:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 13:12	110-57-6	
1,1-Dichloroethane	**0.32J**	ug/L	5.0	0.32	1		07/19/10 13:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 13:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 13:12	75-35-4	
cis-1,2-Dichloroethene	**3.2J**	ug/L	5.0	0.19	1		07/19/10 13:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 13:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 13:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 13:12	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 13:12	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-24 **Lab ID: 9273128004** Collected: 07/12/10 10:40 Received: 07/13/10 11:06 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		07/19/10 13:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 13:12	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 13:12	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 13:12	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 13:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 13:12	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 13:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 13:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 13:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 13:12	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 13:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 13:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 13:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 13:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 13:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 13:12	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 13:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 13:12	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 13:12	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/19/10 13:12	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/19/10 13:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		07/19/10 13:12	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/19/10 13:12	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-25 **Lab ID: 9273128005** Collected: 07/12/10 12:15 Received: 07/13/10 11:06 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	07/15/10 11:25	07/17/10 08:51	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/15/10 11:25	07/17/10 08:51	7440-38-2	
Barium	**34.4J**	ug/L	100	0.20	1	07/15/10 11:25	07/17/10 08:51	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/15/10 11:25	07/17/10 08:51	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/15/10 11:25	07/17/10 08:51	7440-43-9	
Chromium	**1.4J**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:51	7440-47-3	
Cobalt	**1.8J**	ug/L	10.0	0.60	1	07/15/10 11:25	07/17/10 08:51	7440-48-4	
Copper	**1.8J**	ug/L	10.0	0.30	1	07/15/10 11:25	07/17/10 08:51	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/15/10 11:25	07/17/10 08:51	7439-92-1	
Nickel	**4.9J**	ug/L	50.0	1.7	1	07/15/10 11:25	07/17/10 08:51	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/15/10 11:25	07/17/10 08:51	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/15/10 11:25	07/17/10 08:51	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/15/10 11:25	07/17/10 08:51	7440-28-0	
Vanadium	**0.30J**	ug/L	25.0	0.20	1	07/15/10 11:25	07/17/10 08:51	7440-62-2	
Zinc	**7.5J**	ug/L	10.0	0.40	1	07/15/10 11:25	07/17/10 08:51	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 13:38	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 13:38	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/19/10 13:38	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 13:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 13:38	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 13:38	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 13:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 13:38	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 13:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 13:38	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 13:38	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 13:38	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 13:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 13:38	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 13:38	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 13:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 13:38	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 13:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 13:38	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/19/10 13:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 13:38	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/19/10 13:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 13:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 13:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/19/10 13:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 13:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 13:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 13:38	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 13:38	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-25 **Lab ID: 9273128005** Collected: 07/12/10 12:15 Received: 07/13/10 11:06 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		07/19/10 13:38	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 13:38	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 13:38	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 13:38	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 13:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 13:38	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 13:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 13:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 13:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 13:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 13:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 13:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 13:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 13:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 13:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 13:38	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 13:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 13:38	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 13:38	1330-20-7	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/19/10 13:38	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		07/19/10 13:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		07/19/10 13:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/19/10 13:38	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-5 **Lab ID: 9273128006** Collected: 07/13/10 17:25 Received: 07/14/10 17:10 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	07/16/10 11:30	07/17/10 02:13	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:13	7440-38-2	
Barium	**64.6J**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:13	7440-39-3	
Beryllium	**0.47J**	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:13	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:13	7440-43-9	
Chromium	**11.0**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:13	7440-47-3	
Cobalt	**32.7**	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:13	7440-48-4	
Copper	**4.5J**	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:13	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:13	7439-92-1	
Nickel	**8.1J**	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:13	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:13	7782-49-2	
Silver	**0.16J**	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:13	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:13	7440-28-0	
Vanadium	**8.6J**	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:13	7440-62-2	
Zinc	**26.4**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:13	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 14:04	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 14:04	107-13-1	
Benzene	**3.6**	ug/L	1.0	0.25	1		07/19/10 14:04	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 14:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 14:04	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 14:04	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 14:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 14:04	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 14:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 14:04	56-23-5	
Chlorobenzene	**0.75J**	ug/L	3.0	0.23	1		07/19/10 14:04	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 14:04	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 14:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 14:04	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 14:04	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 14:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 14:04	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 14:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 14:04	95-50-1	
1,4-Dichlorobenzene	**2.1**	ug/L	1.0	0.33	1		07/19/10 14:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 14:04	110-57-6	
1,1-Dichloroethane	**3.1J**	ug/L	5.0	0.32	1		07/19/10 14:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 14:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 14:04	75-35-4	
cis-1,2-Dichloroethene	**10.5**	ug/L	5.0	0.19	1		07/19/10 14:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 14:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 14:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 14:04	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 14:04	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-5 **Lab ID: 9273128006** Collected: 07/13/10 17:25 Received: 07/14/10 17:10 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		07/19/10 14:04	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 14:04	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 14:04	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 14:04	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 14:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 14:04	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 14:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 14:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 14:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 14:04	127-18-4	
Toluene	**0.64J**	ug/L	1.0	0.26	1		07/19/10 14:04	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 14:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 14:04	79-00-5	
Trichloroethene	**0.67J**	ug/L	1.0	0.47	1		07/19/10 14:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 14:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 14:04	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 14:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 14:04	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 14:04	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-130		1		07/19/10 14:04	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		07/19/10 14:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/19/10 14:04	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		07/19/10 14:04	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-7 **Lab ID: 9273128007** Collected: 07/13/10 11:00 Received: 07/14/10 17:10 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	07/16/10 11:30	07/17/10 02:17	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:17	7440-38-2	
Barium	**8.2J**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:17	7440-39-3	
Beryllium	**0.26J**	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:17	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:17	7440-43-9	
Chromium	**1.8J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:17	7440-47-3	
Cobalt	**18.1**	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:17	7440-48-4	
Copper	**0.88J**	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:17	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:17	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:17	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:17	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:17	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:17	7440-28-0	
Vanadium	**0.98J**	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:17	7440-62-2	
Zinc	**6.9J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:17	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 14:29	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 14:29	107-13-1	
Benzene	**4.2**	ug/L	1.0	0.25	1		07/19/10 14:29	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 14:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 14:29	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 14:29	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 14:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 14:29	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 14:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 14:29	56-23-5	
Chlorobenzene	**0.48J**	ug/L	3.0	0.23	1		07/19/10 14:29	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 14:29	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 14:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 14:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 14:29	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 14:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 14:29	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 14:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 14:29	95-50-1	
1,4-Dichlorobenzene	**0.75J**	ug/L	1.0	0.33	1		07/19/10 14:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 14:29	110-57-6	
1,1-Dichloroethane	**2.4J**	ug/L	5.0	0.32	1		07/19/10 14:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 14:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 14:29	75-35-4	
cis-1,2-Dichloroethene	**5.0**	ug/L	5.0	0.19	1		07/19/10 14:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 14:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 14:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 14:29	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 14:29	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-7 **Lab ID: 9273128007** Collected: 07/13/10 11:00 Received: 07/14/10 17:10 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		07/19/10 14:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 14:29	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 14:29	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 14:29	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 14:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 14:29	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 14:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 14:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 14:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 14:29	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 14:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 14:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 14:29	79-00-5	
Trichloroethene	**0.54J**	ug/L	1.0	0.47	1		07/19/10 14:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 14:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 14:29	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 14:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 14:29	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 14:29	1330-20-7	
4-Bromofluorobenzene (S)	92	%	70-130		1		07/19/10 14:29	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		1		07/19/10 14:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		07/19/10 14:29	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/19/10 14:29	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-12 **Lab ID: 9273128008** Collected: 07/13/10 12:30 Received: 07/14/10 17:10 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	07/16/10 11:30	07/17/10 02:20	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:20	7440-38-2	
Barium	**106**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:20	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:20	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:20	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:20	7440-47-3	
Cobalt	**37.2**	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:20	7440-48-4	
Copper	**0.54J**	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:20	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:20	7439-92-1	
Nickel	**3.2J**	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:20	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:20	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:20	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:20	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:20	7440-62-2	
Zinc	**18.3**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:20	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 14:55	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 14:55	107-13-1	
Benzene	**5.6**	ug/L	1.0	0.25	1		07/19/10 14:55	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 14:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 14:55	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 14:55	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 14:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 14:55	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 14:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 14:55	56-23-5	
Chlorobenzene	**1.6J**	ug/L	3.0	0.23	1		07/19/10 14:55	108-90-7	
Chloroethane	**1.9J**	ug/L	10.0	0.54	1		07/19/10 14:55	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 14:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 14:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 14:55	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 14:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 14:55	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 14:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 14:55	95-50-1	
1,4-Dichlorobenzene	**6.1**	ug/L	1.0	0.33	1		07/19/10 14:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 14:55	110-57-6	
1,1-Dichloroethane	**1.7J**	ug/L	5.0	0.32	1		07/19/10 14:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 14:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 14:55	75-35-4	
cis-1,2-Dichloroethene	**11.9**	ug/L	5.0	0.19	1		07/19/10 14:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 14:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 14:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 14:55	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 14:55	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-12 **Lab ID: 9273128008** Collected: 07/13/10 12:30 Received: 07/14/10 17:10 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		07/19/10 14:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 14:55	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 14:55	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 14:55	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 14:55	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 14:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 14:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 14:55	79-34-5	
Tetrachloroethene	**0.82J**	ug/L	1.0	0.46	1		07/19/10 14:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 14:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 14:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 14:55	79-00-5	
Trichloroethene	**2.0**	ug/L	1.0	0.47	1		07/19/10 14:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 14:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 14:55	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 14:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 14:55	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 14:55	1330-20-7	
4-Bromofluorobenzene (S)	91	%	70-130		1		07/19/10 14:55	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/19/10 14:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/19/10 14:55	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/19/10 14:55	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-12D **Lab ID: 9273128009** Collected: 07/13/10 15:30 Received: 07/14/10 17:10 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	07/16/10 11:30	07/17/10 02:24	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:24	7440-38-2	
Barium	**13.8J**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:24	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:24	7440-41-7	
Cadmium	**0.76J**	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:24	7440-43-9	
Chromium	**2.6J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:24	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:24	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:24	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:24	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:24	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:24	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:24	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:24	7440-28-0	
Vanadium	**0.61J**	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:24	7440-62-2	
Zinc	**5.2J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:24	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**6.9J**	ug/L	100	2.2	1		07/19/10 15:20	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 15:20	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/19/10 15:20	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 15:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 15:20	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 15:20	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 15:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 15:20	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 15:20	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 15:20	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 15:20	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 15:20	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 15:20	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 15:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 15:20	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 15:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 15:20	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 15:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 15:20	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/19/10 15:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 15:20	110-57-6	
1,1-Dichloroethane	**0.41J**	ug/L	5.0	0.32	1		07/19/10 15:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 15:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 15:20	75-35-4	
cis-1,2-Dichloroethene	**0.36J**	ug/L	5.0	0.19	1		07/19/10 15:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 15:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 15:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 15:20	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 15:20	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-12D **Lab ID: 9273128009** Collected: 07/13/10 15:30 Received: 07/14/10 17:10 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		07/19/10 15:20	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 15:20	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 15:20	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 15:20	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 15:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 15:20	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 15:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 15:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 15:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 15:20	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 15:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 15:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 15:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 15:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 15:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 15:20	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 15:20	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 15:20	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 15:20	1330-20-7	
4-Bromofluorobenzene (S)	92	%	70-130		1		07/19/10 15:20	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		1		07/19/10 15:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/19/10 15:20	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/19/10 15:20	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-27 **Lab ID: 9273128010** Collected: 07/13/10 09:40 Received: 07/14/10 17:10 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	07/16/10 11:30	07/17/10 02:27	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:27	7440-38-2	
Barium	**62.2J**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:27	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:27	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:27	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:27	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:27	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:27	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:27	7439-92-1	
Nickel	**9.7J**	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:27	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:27	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:27	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:27	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:27	7440-62-2	
Zinc	**4.7J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:27	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 15:46	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 15:46	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/19/10 15:46	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 15:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 15:46	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 15:46	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 15:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 15:46	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 15:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 15:46	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 15:46	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 15:46	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 15:46	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 15:46	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 15:46	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 15:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 15:46	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 15:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 15:46	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/19/10 15:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 15:46	110-57-6	
1,1-Dichloroethane	**0.65J**	ug/L	5.0	0.32	1		07/19/10 15:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 15:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 15:46	75-35-4	
cis-1,2-Dichloroethene	**24.6**	ug/L	5.0	0.19	1		07/19/10 15:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 15:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 15:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 15:46	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 15:46	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-27 **Lab ID: 9273128010** Collected: 07/13/10 09:40 Received: 07/14/10 17:10 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		07/19/10 15:46	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 15:46	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 15:46	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 15:46	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 15:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 15:46	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 15:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 15:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 15:46	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 15:46	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 15:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 15:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 15:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 15:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 15:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 15:46	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 15:46	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 15:46	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 15:46	1330-20-7	
4-Bromofluorobenzene (S)	90	%	70-130		1		07/19/10 15:46	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/19/10 15:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		07/19/10 15:46	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/19/10 15:46	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-3 **Lab ID: 9273128011** Collected: 07/14/10 16:00 Received: 07/15/10 11:50 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	07/16/10 11:30	07/17/10 02:30	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:30	7440-38-2	
Barium	**78.3J**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:30	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:30	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:30	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:30	7440-47-3	
Cobalt	**26.7**	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:30	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:30	7440-50-8	
Lead	**14.9**	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:30	7439-92-1	
Nickel	**60.5**	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:30	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:30	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:30	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:30	7440-28-0	
Vanadium	**0.36J**	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:30	7440-62-2	
Zinc	**4.0J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:30	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 16:11	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 16:11	107-13-1	
Benzene	**6.0**	ug/L	1.0	0.25	1		07/19/10 16:11	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 16:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 16:11	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 16:11	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 16:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 16:11	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 16:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 16:11	56-23-5	
Chlorobenzene	**0.78J**	ug/L	3.0	0.23	1		07/19/10 16:11	108-90-7	
Chloroethane	**1.3J**	ug/L	10.0	0.54	1		07/19/10 16:11	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 16:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 16:11	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 16:11	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 16:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 16:11	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 16:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 16:11	95-50-1	
1,4-Dichlorobenzene	**3.3**	ug/L	1.0	0.33	1		07/19/10 16:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 16:11	110-57-6	
1,1-Dichloroethane	**0.87J**	ug/L	5.0	0.32	1		07/19/10 16:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 16:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 16:11	75-35-4	
cis-1,2-Dichloroethene	**9.3**	ug/L	5.0	0.19	1		07/19/10 16:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 16:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 16:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 16:11	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 16:11	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-3 **Lab ID: 9273128011** Collected: 07/14/10 16:00 Received: 07/15/10 11:50 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		07/19/10 16:11	10061-02-6	
Ethylbenzene	**1.5**	ug/L	1.0	0.30	1		07/19/10 16:11	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 16:11	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 16:11	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 16:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 16:11	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 16:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 16:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 16:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 16:11	127-18-4	
Toluene	**2.1**	ug/L	1.0	0.26	1		07/19/10 16:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 16:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 16:11	79-00-5	
Trichloroethene	**1.0**	ug/L	1.0	0.47	1		07/19/10 16:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 16:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 16:11	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 16:11	108-05-4	
Vinyl chloride	**1.1**	ug/L	1.0	0.62	1		07/19/10 16:11	75-01-4	
Xylene (Total)	**8.2**	ug/L	5.0	0.66	1		07/19/10 16:11	1330-20-7	
4-Bromofluorobenzene (S)	95	%	70-130		1		07/19/10 16:11	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/19/10 16:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		07/19/10 16:11	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		07/19/10 16:11	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-11 **Lab ID: 9273128012** Collected: 07/14/10 12:35 Received: 07/15/10 11:50 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	07/16/10 11:30	07/17/10 02:43	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:43	7440-38-2	
Barium	**120**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:43	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:43	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:43	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:43	7440-47-3	
Cobalt	**136**	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:43	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:43	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:43	7439-92-1	
Nickel	**15.2J**	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:43	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:43	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:43	7440-22-4	
Thallium	**5.6**	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:43	7440-28-0	
Vanadium	**0.22J**	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:43	7440-62-2	
Zinc	**73.2**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:43	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 16:37	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 16:37	107-13-1	
Benzene	**5.9**	ug/L	1.0	0.25	1		07/19/10 16:37	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 16:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 16:37	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 16:37	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 16:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 16:37	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 16:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 16:37	56-23-5	
Chlorobenzene	**2.3J**	ug/L	3.0	0.23	1		07/19/10 16:37	108-90-7	
Chloroethane	**1.7J**	ug/L	10.0	0.54	1		07/19/10 16:37	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 16:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 16:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 16:37	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 16:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 16:37	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 16:37	74-95-3	
1,2-Dichlorobenzene	**0.62J**	ug/L	5.0	0.30	1		07/19/10 16:37	95-50-1	
1,4-Dichlorobenzene	**9.4**	ug/L	1.0	0.33	1		07/19/10 16:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 16:37	110-57-6	
1,1-Dichloroethane	**1.7J**	ug/L	5.0	0.32	1		07/19/10 16:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 16:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 16:37	75-35-4	
cis-1,2-Dichloroethene	**24.6**	ug/L	5.0	0.19	1		07/19/10 16:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 16:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 16:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 16:37	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 16:37	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-11 **Lab ID: 9273128012** Collected: 07/14/10 12:35 Received: 07/15/10 11:50 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		07/19/10 16:37	10061-02-6	
Ethylbenzene	**0.49J**	ug/L	1.0	0.30	1		07/19/10 16:37	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 16:37	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 16:37	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 16:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 16:37	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 16:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 16:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 16:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 16:37	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 16:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 16:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 16:37	79-00-5	
Trichloroethene	**0.75J**	ug/L	1.0	0.47	1		07/19/10 16:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 16:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 16:37	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 16:37	108-05-4	
Vinyl chloride	**0.91J**	ug/L	1.0	0.62	1		07/19/10 16:37	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 16:37	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-130		1		07/19/10 16:37	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/19/10 16:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/19/10 16:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/19/10 16:37	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-16 **Lab ID: 9273128013** Collected: 07/14/10 10:30 Received: 07/15/10 11:50 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	07/16/10 11:30	07/17/10 02:47	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:47	7440-38-2	
Barium	**60.8J**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:47	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:47	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:47	7440-43-9	
Chromium	**1.5J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:47	7440-47-3	
Cobalt	**17.9**	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:47	7440-48-4	
Copper	**0.90J**	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:47	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:47	7439-92-1	
Nickel	**4.8J**	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:47	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:47	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:47	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:47	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:47	7440-62-2	
Zinc	**9.4J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:47	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 17:03	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 17:03	107-13-1	
Benzene	**3.7**	ug/L	1.0	0.25	1		07/19/10 17:03	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 17:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 17:03	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 17:03	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 17:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 17:03	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 17:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 17:03	56-23-5	
Chlorobenzene	**0.66J**	ug/L	3.0	0.23	1		07/19/10 17:03	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 17:03	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 17:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 17:03	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 17:03	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 17:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 17:03	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 17:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 17:03	95-50-1	
1,4-Dichlorobenzene	**2.5**	ug/L	1.0	0.33	1		07/19/10 17:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 17:03	110-57-6	
1,1-Dichloroethane	**11.9**	ug/L	5.0	0.32	1		07/19/10 17:03	75-34-3	
1,2-Dichloroethane	**0.21J**	ug/L	1.0	0.12	1		07/19/10 17:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 17:03	75-35-4	
cis-1,2-Dichloroethene	**18.0**	ug/L	5.0	0.19	1		07/19/10 17:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 17:03	156-60-5	
1,2-Dichloropropane	**1.1**	ug/L	1.0	0.27	1		07/19/10 17:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 17:03	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 17:03	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-16 **Lab ID: 9273128013** Collected: 07/14/10 10:30 Received: 07/15/10 11:50 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		07/19/10 17:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 17:03	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 17:03	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 17:03	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 17:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 17:03	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 17:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 17:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 17:03	79-34-5	
Tetrachloroethene	**2.8**	ug/L	1.0	0.46	1		07/19/10 17:03	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 17:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 17:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 17:03	79-00-5	
Trichloroethene	**3.5**	ug/L	1.0	0.47	1		07/19/10 17:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 17:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 17:03	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 17:03	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 17:03	75-01-4	
Xylene (Total)	**1.4J**	ug/L	5.0	0.66	1		07/19/10 17:03	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-130		1		07/19/10 17:03	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/19/10 17:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/19/10 17:03	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		07/19/10 17:03	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-26 **Lab ID: 9273128014** Collected: 07/14/10 09:00 Received: 07/15/10 11:50 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	07/16/10 11:30	07/17/10 02:50	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:50	7440-38-2	
Barium	**78.3J**	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:50	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:50	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:50	7440-43-9	
Chromium	**3.3J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:50	7440-47-3	
Cobalt	**145**	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:50	7440-48-4	
Copper	**0.80J**	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:50	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:50	7439-92-1	
Nickel	**14.5J**	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:50	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:50	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:50	7440-22-4	
Thallium	**3.3J**	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:50	7440-28-0	
Vanadium	**2.1J**	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:50	7440-62-2	
Zinc	**31.6**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:50	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 17:28	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 17:28	107-13-1	
Benzene	**3.2**	ug/L	1.0	0.25	1		07/19/10 17:28	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 17:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 17:28	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 17:28	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 17:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 17:28	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 17:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 17:28	56-23-5	
Chlorobenzene	**1.6J**	ug/L	3.0	0.23	1		07/19/10 17:28	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 17:28	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 17:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 17:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 17:28	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 17:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 17:28	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 17:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 17:28	95-50-1	
1,4-Dichlorobenzene	**6.5**	ug/L	1.0	0.33	1		07/19/10 17:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 17:28	110-57-6	
1,1-Dichloroethane	**0.89J**	ug/L	5.0	0.32	1		07/19/10 17:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 17:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 17:28	75-35-4	
cis-1,2-Dichloroethene	**29.8**	ug/L	5.0	0.19	1		07/19/10 17:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 17:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 17:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 17:28	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 17:28	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

Sample: MW-26 **Lab ID: 9273128014** Collected: 07/14/10 09:00 Received: 07/15/10 11:50 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		07/19/10 17:28	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 17:28	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 17:28	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 17:28	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 17:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 17:28	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 17:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 17:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 17:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 17:28	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 17:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 17:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 17:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 17:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 17:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 17:28	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 17:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 17:28	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 17:28	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-130		1		07/19/10 17:28	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/19/10 17:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		07/19/10 17:28	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		07/19/10 17:28	2037-26-5	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

QC Batch: MPRP/6665
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9273128001

METHOD BLANK: 467855
Matrix: Water
Associated Lab Samples: 9273128001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	07/14/10 23:21	
Arsenic	ug/L	ND	10.0	07/14/10 23:21	
Barium	ug/L	ND	100	07/14/10 23:21	
Beryllium	ug/L	ND	1.0	07/14/10 23:21	
Cadmium	ug/L	ND	1.0	07/14/10 23:21	
Chromium	ug/L	ND	10.0	07/14/10 23:21	
Cobalt	ug/L	ND	10.0	07/14/10 23:21	
Copper	ug/L	ND	10.0	07/14/10 23:21	
Iron	ug/L	ND	300	07/14/10 23:21	
Lead	ug/L	ND	10.0	07/14/10 23:21	
Nickel	ug/L	ND	50.0	07/14/10 23:21	
Selenium	ug/L	ND	10.0	07/14/10 23:21	
Silver	ug/L	ND	10.0	07/14/10 23:21	
Thallium	ug/L	ND	5.5	07/16/10 15:45	
Vanadium	ug/L	ND	25.0	07/14/10 23:21	
Zinc	ug/L	ND	10.0	07/14/10 23:21	

LABORATORY CONTROL SAMPLE: 467856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	490	98	80-120	
Arsenic	ug/L	500	493	99	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	507	101	80-120	
Cadmium	ug/L	500	492	98	80-120	
Chromium	ug/L	500	502	100	80-120	
Cobalt	ug/L	500	488	98	80-120	
Copper	ug/L	500	488	98	80-120	
Iron	ug/L	5000	4890	98	80-120	
Lead	ug/L	500	488	98	80-120	
Nickel	ug/L	500	491	98	80-120	
Selenium	ug/L	500	487	97	80-120	
Silver	ug/L	250	226	90	80-120	
Thallium	ug/L	500	443	89	80-120	
Vanadium	ug/L	500	494	99	80-120	
Zinc	ug/L	500	494	99	80-120	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

MATRIX SPIKE SAMPLE: 467857

Parameter	Units	9273125001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	497	99	75-125	
Arsenic	ug/L	3.5J	500	503	100	75-125	
Barium	ug/L	23.7J	500	515	98	75-125	
Beryllium	ug/L	0.76J	500	523	104	75-125	
Cadmium	ug/L	ND	500	500	100	75-125	
Chromium	ug/L	6.4J	500	516	102	75-125	
Cobalt	ug/L	6.6J	500	498	98	75-125	
Copper	ug/L	11.9	500	511	100	75-125	
Iron	ug/L	7100	5000	11800	94	75-125	
Lead	ug/L	ND	500	494	98	75-125	
Nickel	ug/L	8.3J	500	509	100	75-125	
Selenium	ug/L	ND	500	494	98	75-125	
Silver	ug/L	0.37J	250	229	91	75-125	
Thallium	ug/L	70.4	500	561	98	75-125	
Vanadium	ug/L	8.2J	500	510	100	75-125	
Zinc	ug/L	12.7	500	522	102	75-125	

SAMPLE DUPLICATE: 467858

Parameter	Units	9273128001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	66.3J	60.8J	9	25	
Beryllium	ug/L	0.44J	0.62J		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	22.6	18.1	22	25	
Cobalt	ug/L	22.2	19.1	15	25	
Copper	ug/L	43.1	37.7	13	25	
Iron	ug/L	32100	26200	20	25	
Lead	ug/L	5.5J	5.3J	4	25	
Nickel	ug/L	16.8J	14.4J	15	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	0.11J	0.24J		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	38.6	31.7	20	25	
Zinc	ug/L	38.8	31.3	21	25	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

QC Batch: MPRP/6677 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9273128002, 9273128003, 9273128004, 9273128005

METHOD BLANK: 469204 | Matrix: Water
Associated Lab Samples: 9273128002, 9273128003, 9273128004, 9273128005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	07/17/10 08:18	
Arsenic	ug/L	ND	10.0	07/17/10 08:18	
Barium	ug/L	ND	100	07/17/10 08:18	
Beryllium	ug/L	ND	1.0	07/17/10 08:18	
Cadmium	ug/L	ND	1.0	07/17/10 08:18	
Chromium	ug/L	ND	10.0	07/17/10 08:18	
Cobalt	ug/L	ND	10.0	07/17/10 08:18	
Copper	ug/L	ND	10.0	07/17/10 08:18	
Iron	ug/L	ND	300	07/17/10 08:18	
Lead	ug/L	ND	10.0	07/17/10 08:18	
Nickel	ug/L	ND	50.0	07/17/10 08:18	
Selenium	ug/L	ND	10.0	07/17/10 08:18	
Silver	ug/L	ND	10.0	07/17/10 08:18	
Thallium	ug/L	ND	5.5	07/17/10 08:18	
Vanadium	ug/L	ND	25.0	07/17/10 08:18	
Zinc	ug/L	0.64J	10.0	07/17/10 08:18	

LABORATORY CONTROL SAMPLE: 469205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	538	108	80-120	
Arsenic	ug/L	500	545	109	80-120	
Barium	ug/L	500	539	108	80-120	
Beryllium	ug/L	500	554	111	80-120	
Cadmium	ug/L	500	548	110	80-120	
Chromium	ug/L	500	565	113	80-120	
Cobalt	ug/L	500	555	111	80-120	
Copper	ug/L	500	546	109	80-120	
Iron	ug/L	5000	5540	111	80-120	
Lead	ug/L	500	543	109	80-120	
Nickel	ug/L	500	548	110	80-120	
Selenium	ug/L	500	534	107	80-120	
Silver	ug/L	250	256	102	80-120	
Thallium	ug/L	500	576	115	80-120	
Vanadium	ug/L	500	563	113	80-120	
Zinc	ug/L	500	559	112	80-120	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

MATRIX SPIKE SAMPLE: 469206

Parameter	Units	9273128002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	524	105	75-125	
Arsenic	ug/L	ND	500	526	105	75-125	
Barium	ug/L	42.8J	500	562	104	75-125	
Beryllium	ug/L	ND	500	536	107	75-125	
Cadmium	ug/L	ND	500	531	106	75-125	
Chromium	ug/L	0.88J	500	549	110	75-125	
Cobalt	ug/L	18.7	500	554	107	75-125	
Copper	ug/L	0.99J	500	526	105	75-125	
Iron	ug/L	ND	5000	5380	107	75-125	
Lead	ug/L	ND	500	527	105	75-125	
Nickel	ug/L	7.1J	500	539	106	75-125	
Selenium	ug/L	ND	500	522	104	75-125	
Silver	ug/L	ND	250	249	100	75-125	
Thallium	ug/L	ND	500	556	111	75-125	
Vanadium	ug/L	ND	500	546	109	75-125	
Zinc	ug/L	8.2J	500	549	108	75-125	

SAMPLE DUPLICATE: 469207

Parameter	Units	9273128003 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	13.1J	12.8J	2	25	
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	1.2J	0.85J		25	
Cobalt	ug/L	4.6J	4.5J		25	
Copper	ug/L	0.94J	0.94J		25	
Iron	ug/L	1420	1400	2	25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	3.6J	3.5J		25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	0.43J	0.34J		25	
Zinc	ug/L	7.8J	7.2J		25	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

QC Batch: MPRP/6685 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9273128006, 9273128007, 9273128008, 9273128009, 9273128010, 9273128011, 9273128012, 9273128013, 9273128014

METHOD BLANK: 469676 | Matrix: Water
Associated Lab Samples: 9273128006, 9273128007, 9273128008, 9273128009, 9273128010, 9273128011, 9273128012, 9273128013, 9273128014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	07/17/10 01:31	
Arsenic	ug/L	ND	10.0	07/17/10 01:31	
Barium	ug/L	ND	100	07/17/10 01:31	
Beryllium	ug/L	ND	1.0	07/17/10 01:31	
Cadmium	ug/L	ND	1.0	07/17/10 01:31	
Chromium	ug/L	ND	10.0	07/17/10 01:31	
Cobalt	ug/L	ND	10.0	07/17/10 01:31	
Copper	ug/L	0.36J	10.0	07/17/10 01:31	
Lead	ug/L	ND	10.0	07/17/10 01:31	
Nickel	ug/L	ND	50.0	07/17/10 01:31	
Selenium	ug/L	ND	10.0	07/17/10 01:31	
Silver	ug/L	ND	10.0	07/17/10 01:31	
Thallium	ug/L	ND	5.5	07/17/10 01:31	
Vanadium	ug/L	ND	25.0	07/17/10 01:31	
Zinc	ug/L	2.0J	10.0	07/17/10 01:31	

LABORATORY CONTROL SAMPLE: 469677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	500	100	80-120	
Arsenic	ug/L	500	512	102	80-120	
Barium	ug/L	500	505	101	80-120	
Beryllium	ug/L	500	511	102	80-120	
Cadmium	ug/L	500	507	101	80-120	
Chromium	ug/L	500	513	103	80-120	
Cobalt	ug/L	500	508	102	80-120	
Copper	ug/L	500	512	102	80-120	
Lead	ug/L	500	504	101	80-120	
Nickel	ug/L	500	506	101	80-120	
Selenium	ug/L	500	506	101	80-120	
Silver	ug/L	250	250	100	80-120	
Thallium	ug/L	500	507	101	80-120	
Vanadium	ug/L	500	514	103	80-120	
Zinc	ug/L	500	507	101	80-120	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

MATRIX SPIKE SAMPLE: 469678

Parameter	Units	9273125010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	515	103	75-125	
Arsenic	ug/L	ND	500	527	105	75-125	
Barium	ug/L	59.5J	500	569	102	75-125	
Beryllium	ug/L	ND	500	523	105	75-125	
Cadmium	ug/L	ND	500	509	102	75-125	
Chromium	ug/L	0.88J	500	514	103	75-125	
Cobalt	ug/L	ND	500	505	101	75-125	
Copper	ug/L	ND	500	522	104	75-125	
Lead	ug/L	ND	500	504	101	75-125	
Nickel	ug/L	10.0J	500	512	100	75-125	
Selenium	ug/L	ND	500	519	104	75-125	
Silver	ug/L	ND	250	255	102	75-125	
Thallium	ug/L	41.4	500	515	95	75-125	
Vanadium	ug/L	ND	500	523	105	75-125	
Zinc	ug/L	38.6	500	553	103	75-125	

SAMPLE DUPLICATE: 469680

Parameter	Units	9273125010 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	59.5J	38.6J	43	25	R1
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	0.88J	ND		25	
Cobalt	ug/L	ND	18.1		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	10.0J	10.6J	6	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	41.4	ND		25	
Vanadium	ug/L	ND	0.43J		25	
Zinc	ug/L	38.6	0.49J		25	

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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: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

QC Batch: MSV/11610 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9273128001, 9273128002, 9273128003, 9273128004, 9273128005, 9273128006, 9273128007, 9273128008, 9273128009, 9273128010, 9273128011, 9273128012, 9273128013, 9273128014

METHOD BLANK: 470783 Matrix: Water
Associated Lab Samples: 9273128001, 9273128002, 9273128003, 9273128004, 9273128005, 9273128006, 9273128007, 9273128008, 9273128009, 9273128010, 9273128011, 9273128012, 9273128013, 9273128014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/19/10 11:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/19/10 11:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	07/19/10 11:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/19/10 11:05	
1,1-Dichloroethane	ug/L	ND	5.0	07/19/10 11:05	
1,1-Dichloroethene	ug/L	ND	5.0	07/19/10 11:05	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/19/10 11:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	07/19/10 11:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/19/10 11:05	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/19/10 11:05	
1,2-Dichloroethane	ug/L	ND	1.0	07/19/10 11:05	
1,2-Dichloropropane	ug/L	ND	1.0	07/19/10 11:05	
1,3-Dichloropropane	ug/L	ND	1.0	07/19/10 11:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/19/10 11:05	
2-Butanone (MEK)	ug/L	ND	100	07/19/10 11:05	
2-Hexanone	ug/L	ND	50.0	07/19/10 11:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	07/19/10 11:05	
Acetone	ug/L	ND	100	07/19/10 11:05	
Acrylonitrile	ug/L	ND	200	07/19/10 11:05	
Benzene	ug/L	ND	1.0	07/19/10 11:05	
Bromochloromethane	ug/L	ND	3.0	07/19/10 11:05	
Bromodichloromethane	ug/L	ND	1.0	07/19/10 11:05	
Bromoform	ug/L	ND	3.0	07/19/10 11:05	
Bromomethane	ug/L	ND	10.0	07/19/10 11:05	
Carbon disulfide	ug/L	ND	100	07/19/10 11:05	
Carbon tetrachloride	ug/L	ND	1.0	07/19/10 11:05	
Chlorobenzene	ug/L	ND	3.0	07/19/10 11:05	
Chloroethane	ug/L	ND	10.0	07/19/10 11:05	
Chloroform	ug/L	ND	5.0	07/19/10 11:05	
Chloromethane	ug/L	ND	1.0	07/19/10 11:05	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/19/10 11:05	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/19/10 11:05	
Dibromochloromethane	ug/L	ND	3.0	07/19/10 11:05	
Dibromomethane	ug/L	ND	10.0	07/19/10 11:05	
Ethylbenzene	ug/L	ND	1.0	07/19/10 11:05	
Iodomethane	ug/L	ND	10.0	07/19/10 11:05	
Methylene Chloride	ug/L	ND	1.0	07/19/10 11:05	
Styrene	ug/L	ND	1.0	07/19/10 11:05	
Tetrachloroethene	ug/L	ND	1.0	07/19/10 11:05	
Toluene	ug/L	ND	1.0	07/19/10 11:05	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/19/10 11:05	

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

QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

METHOD BLANK: 470783 Matrix: Water

Associated Lab Samples: 9273128001, 9273128002, 9273128003, 9273128004, 9273128005, 9273128006, 9273128007, 9273128008, 9273128009, 9273128010, 9273128011, 9273128012, 9273128013, 9273128014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/19/10 11:05	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/19/10 11:05	
Trichloroethene	ug/L	ND	1.0	07/19/10 11:05	
Trichlorofluoromethane	ug/L	ND	1.0	07/19/10 11:05	
Vinyl acetate	ug/L	ND	50.0	07/19/10 11:05	
Vinyl chloride	ug/L	ND	1.0	07/19/10 11:05	
Xylene (Total)	ug/L	ND	5.0	07/19/10 11:05	
1,2-Dichloroethane-d4 (S)	%	103	70-130	07/19/10 11:05	
4-Bromofluorobenzene (S)	%	99	70-130	07/19/10 11:05	
Dibromofluoromethane (S)	%	97	70-130	07/19/10 11:05	
Toluene-d8 (S)	%	104	70-130	07/19/10 11:05	

LABORATORY CONTROL SAMPLE: 470784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.3	111	70-130	
1,1,1-Trichloroethane	ug/L	50	56.3	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	58.4	117	70-130	
1,1,2-Trichloroethane	ug/L	50	55.1	110	70-130	
1,1-Dichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethene	ug/L	50	58.9	118	70-132	
1,2,3-Trichloropropane	ug/L	50	52.1	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.9	108	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	55.1	110	70-130	
1,2-Dichloropropane	ug/L	50	54.9	110	70-130	
1,3-Dichloropropane	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	47.9	96	70-130	
2-Butanone (MEK)	ug/L	100	139	139	70-145	
2-Hexanone	ug/L	100	106	106	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	70-140	
Acetone	ug/L	100	134	134	50-175	
Acrylonitrile	ug/L	250	301	120	70-143	
Benzene	ug/L	50	52.5	105	70-130	
Bromochloromethane	ug/L	50	52.4	105	70-130	
Bromodichloromethane	ug/L	50	53.0	106	70-130	
Bromoform	ug/L	50	53.9	108	70-130	
Bromomethane	ug/L	50	67.8	136	54-130	L3
Carbon disulfide	ug/L	50	63.3J	127	70-131	
Carbon tetrachloride	ug/L	50	59.7	119	70-132	
Chlorobenzene	ug/L	50	50.5	101	70-130	
Chloroethane	ug/L	50	62.4	125	64-134	
Chloroform	ug/L	50	48.0	96	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

LABORATORY CONTROL SAMPLE: 470784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	50	60.1	120	64-130	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.6	107	70-130	
Dibromochloromethane	ug/L	50	50.0	100	70-130	
Dibromomethane	ug/L	50	44.5	89	70-131	
Ethylbenzene	ug/L	50	50.3	101	70-130	
Iodomethane	ug/L	100	124	124	49-180	
Methylene Chloride	ug/L	50	58.1	116	63-130	
Styrene	ug/L	50	52.5	105	70-130	
Tetrachloroethene	ug/L	50	47.9	96	70-130	
Toluene	ug/L	50	54.2	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.4	105	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	56.1J	112	70-141	
Trichloroethene	ug/L	50	50.0	100	70-130	
Trichlorofluoromethane	ug/L	50	55.0	110	62-133	
Vinyl acetate	ug/L	100	130	130	66-157	
Vinyl chloride	ug/L	50	59.9	120	69-130	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			89	70-130	
Toluene-d8 (S)	%			108	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 470785 470786

Parameter	Units	9273147006 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	52.7	54.5	105	109	70-166	3	30	
Benzene	ug/L	1.1	50	50	50.8	51.7	100	101	70-148	2	30	
Chlorobenzene	ug/L	ND	50	50	46.8	48.0	94	96	70-146	3	30	
Toluene	ug/L	ND	50	50	48.6	51.7	97	103	70-155	6	30	
Trichloroethene	ug/L	ND	50	50	48.0	47.7	96	95	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						103	106	70-130			
4-Bromofluorobenzene (S)	%						94	95	70-130			
Dibromofluoromethane (S)	%						98	99	70-130			
Toluene-d8 (S)	%						97	104	70-130			

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Huntersville, NC 28078
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QUALIFIERS

Project: ALEXANDER MSWLF (DM & MNA)
Pace Project No.: 9273128

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.

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

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
R1	RPD value was outside control limits.

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Partial Submittal. 13 other Samples will be submitted later.

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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

1378999

Section A Required Client Information:

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

Section B Required Project Information:

Report To: Jonathan Pfahl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF (DM & MNA)
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

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

Requested Analysis Filtered (Y/N): Y/N 2

Analysis Test: VOCs - App I; Metals - App I

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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-18	WT	G			7/8/10	3:10		4			1	3					N	927 3128 001
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MESCO	~~7/8/10~~ 7/9/10	8:52	[illegible]	7/9/10	8:52				
	[illegible]	7-9-10	14:35	J Marvel Pace	7/9/10	1435	36	Y	N	Y

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

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jon Pfahl
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/8/10

*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 # 9273128

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

Temp Correction Factor: Add / Subtract _____ 0 C

Corrected Cooler Temp.: 3.6 C **Biological Tissue is Frozen:** Yes No

Date and Initials of person examining contents: 1m 7/9

Temp should be above freezing to 6°C

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 7/9/10

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)

Partial submittal combine w/ 137899 previously submitted & others to follow another day

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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

1378997

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: Jon Pfohl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF (DM & MNA)
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

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

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	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED 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 I	Analysis Test: MetLab-App I	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-6	WT	G			7/12/10	4:30		4			1	3					✓	✓	N	9273128
2	MW-13						3:00														002
3	MW-24						10:40														003
4	MW-25						12:15														004
5																					005
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MESCO	7/14/10	6:30AM	pace	7-13-10	6:30				
	pace	7-13-10	11:06	Jmore/Pace	7/13	1106	3/6	4	Y	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jonathan Pfohl
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 7/13/10

*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 # 9273128

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

Temp Correction Factor: Add / Subtract _____ 0 C

Corrected Cooler Temp.: 3.6 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: M 7/13

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

Project Manager Review: [signature] **Date:** 7/13/10

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)

Partial others previously submitted & More will Follow

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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

1379208

Section A Required Client Information:

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

Section B Required Project Information:

Report To: Jan Pfohl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF (DM & MNA)
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): Analysis Test: VOCs - App I; Metals - App I

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	VOCs - App I	Metals - App I	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-5	WT	G			7/13/10	5:35		4			1	3					✓	✓	N	9273128006
2	MW-7						11:00														007
3	MW-12						12:30														008
4	MW-12D						3:30														009
5	MW-27						9:40														010
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MESCO	7/14/10	5:25 pm	Pace	7/14/10	5:25				
	Pace	7/14/10	1710	Pace	7/14/10	1710	Y	n	Y	

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7/13/10

*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 # 9273128

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.: 4.0 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: JMM 7-14-10

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 7/15/10

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)

Final Submittal Add previous charges for this Project Name for 1 Report.

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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

1376211

Section A Required Client Information:

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

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF (DM & MNA)
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

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

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	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED 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 I	Analysis Test: Metals - App I	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-3	WT	G			7/14/10	4:00		4			1	3					✓	✓	N	92731280 11
2	MW-11	↓	↓			↓	12:35		↓			↓	↓					↓	↓	↓	12
3	MW-16						10:30														13
4	MW-26						9:00														14
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] / MESCO	7/15/10	945	[signature] / Pace	7/15/10	945				
	[signature] / Pace	7/15/10	1150	Janelle Cloud / Pace	7/15/10	1150	3.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jon Pfohl
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/14/10

*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 Project # 9273128

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: 7/15/10 [illegible]

		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. MW-11 has a Metals bottle thats
Correct Containers Used:	☑Yes ☐No ☐N/A	9. empty
-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: 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: Another MW-11 metals container was also submitted for project # 9273141.

Project Manager Review: [illegible] **Date:** 7/15/10

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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(828)254-7176

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

July 21, 2010

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

RE: Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on July 09, 2010. 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.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

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

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 #: 9903002
South Carolina Certification #: 9903001
Virginia Certification #: 00072

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9273147001	**MW-1**	Water	07/08/10 11:50	07/09/10 14:35
9273147002	**MW-1B**	Water	07/07/10 16:30	07/09/10 14:35
9273147003	**MW-2**	Water	07/08/10 13:40	07/09/10 14:35
9273147004	**MW-4R**	Water	07/08/10 14:00	07/09/10 14:35
9273147005	**MW-9**	Water	07/07/10 17:30	07/09/10 14:35
9273147006	**MW-10**	Water	07/07/10 14:20	07/09/10 14:35
9273147007	**MW-14**	Water	07/08/10 11:00	07/09/10 14:35
9273147008	**MW-15**	Water	07/08/10 10:00	07/09/10 14:35
9273147009	**MW-17**	Water	07/07/10 12:25	07/09/10 14:35
9273147010	**MW-19**	Water	07/07/10 11:50	07/09/10 14:35
9273147011	**MW-20**	Water	07/07/10 11:00	07/09/10 14:35
9273147012	**MW-21**	Water	07/07/10 10:10	07/09/10 14:35
9273147013	**MW-22**	Water	07/07/10 15:00	07/09/10 14:35
9273147014	**MW-23**	Water	07/07/10 09:00	07/09/10 14:35
9273147015	**SW-3**	Water	07/07/10 15:35	07/09/10 14:35
9273147016	**SW-4R**	Water	07/07/10 09:25	07/09/10 14:35
9273147017	**SW-5**	Water	07/07/10 14:45	07/09/10 14:35

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SAMPLE ANALYTE COUNT

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9273147001	**MW-1**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147002	**MW-1B**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147003	**MW-2**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147004	**MW-4R**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147005	**MW-9**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147006	**MW-10**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147007	**MW-14**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147008	**MW-15**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147009	**MW-17**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147010	**MW-19**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147011	**MW-20**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147012	**MW-21**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147013	**MW-22**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147014	**MW-23**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147015	**SW-3**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147016	**SW-4R**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C
9273147017	**SW-5**	EPA 6010	SHB	15	PASI-A
		EPA 8260	MCK	52	PASI-C

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(828)254-7176

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

ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-1 **Lab ID: 9273147001** Collected: 07/08/10 11:50 Received: 07/09/10 14:35 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	07/13/10 11:40	07/14/10 23:49	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/14/10 23:49	7440-38-2	
Barium	**37.4J**	ug/L	100	0.20	1	07/13/10 11:40	07/14/10 23:49	7440-39-3	
Beryllium	**0.18J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/14/10 23:49	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/14/10 23:49	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:49	7440-47-3	
Cobalt	**85.7**	ug/L	10.0	0.60	1	07/13/10 11:40	07/14/10 23:49	7440-48-4	
Copper	**0.72J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/14/10 23:49	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/14/10 23:49	7439-92-1	
Nickel	**14.1J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/14/10 23:49	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/14/10 23:49	7782-49-2	
Silver	**0.16J**	ug/L	10.0	0.10	1	07/13/10 11:40	07/14/10 23:49	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 16:43	7440-28-0	
Vanadium	**0.74J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/14/10 23:49	7440-62-2	
Zinc	**16.1**	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:49	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 17:54	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 17:54	107-13-1	
Benzene	**7.1**	ug/L	1.0	0.25	1		07/19/10 17:54	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 17:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 17:54	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 17:54	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 17:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 17:54	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 17:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 17:54	56-23-5	
Chlorobenzene	**0.76J**	ug/L	3.0	0.23	1		07/19/10 17:54	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 17:54	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 17:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 17:54	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 17:54	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 17:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 17:54	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 17:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 17:54	95-50-1	
1,4-Dichlorobenzene	**3.5**	ug/L	1.0	0.33	1		07/19/10 17:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 17:54	110-57-6	
1,1-Dichloroethane	**0.94J**	ug/L	5.0	0.32	1		07/19/10 17:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 17:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 17:54	75-35-4	
cis-1,2-Dichloroethene	**10.1**	ug/L	5.0	0.19	1		07/19/10 17:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 17:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 17:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 17:54	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 17:54	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-1 **Lab ID: 9273147001** Collected: 07/08/10 11:50 Received: 07/09/10 14:35 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		07/19/10 17:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 17:54	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 17:54	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 17:54	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 17:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 17:54	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 17:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 17:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 17:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 17:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 17:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 17:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 17:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 17:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 17:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 17:54	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 17:54	108-05-4	
Vinyl chloride	**0.66J**	ug/L	1.0	0.62	1		07/19/10 17:54	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 17:54	1330-20-7	
4-Bromofluorobenzene (S)	93	%	70-130		1		07/19/10 17:54	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		07/19/10 17:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		07/19/10 17:54	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/19/10 17:54	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-1B **Lab ID: 9273147002** Collected: 07/07/10 16:30 Received: 07/09/10 14:35 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	07/13/10 11:40	07/14/10 23:52	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/14/10 23:52	7440-38-2	
Barium	**66.4J**	ug/L	100	0.20	1	07/13/10 11:40	07/14/10 23:52	7440-39-3	
Beryllium	**0.16J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/14/10 23:52	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/14/10 23:52	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:52	7440-47-3	
Cobalt	**116**	ug/L	10.0	0.60	1	07/13/10 11:40	07/14/10 23:52	7440-48-4	
Copper	**1.8J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/14/10 23:52	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/14/10 23:52	7439-92-1	
Nickel	**9.2J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/14/10 23:52	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/14/10 23:52	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/14/10 23:52	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 16:46	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	07/13/10 11:40	07/14/10 23:52	7440-62-2	
Zinc	**18.4**	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:52	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 18:19	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 18:19	107-13-1	
Benzene	**3.4**	ug/L	1.0	0.25	1		07/19/10 18:19	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 18:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 18:19	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 18:19	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 18:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 18:19	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 18:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 18:19	56-23-5	
Chlorobenzene	**0.58J**	ug/L	3.0	0.23	1		07/19/10 18:19	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 18:19	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 18:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 18:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 18:19	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 18:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 18:19	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 18:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 18:19	95-50-1	
1,4-Dichlorobenzene	**3.1**	ug/L	1.0	0.33	1		07/19/10 18:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 18:19	110-57-6	
1,1-Dichloroethane	**1.1J**	ug/L	5.0	0.32	1		07/19/10 18:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 18:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 18:19	75-35-4	
cis-1,2-Dichloroethene	**5.9**	ug/L	5.0	0.19	1		07/19/10 18:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 18:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 18:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 18:19	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 18:19	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-1B **Lab ID: 9273147002** Collected: 07/07/10 16:30 Received: 07/09/10 14:35 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		07/19/10 18:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 18:19	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 18:19	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 18:19	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 18:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 18:19	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 18:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 18:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 18:19	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 18:19	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 18:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 18:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 18:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 18:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 18:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 18:19	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 18:19	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 18:19	75-01-4	
Xylene (Total)	**3.1J**	ug/L	5.0	0.66	1		07/19/10 18:19	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-130		1		07/19/10 18:19	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/19/10 18:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		07/19/10 18:19	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		07/19/10 18:19	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-2 **Lab ID: 9273147003** Collected: 07/08/10 13:40 Received: 07/09/10 14:35 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	07/13/10 11:40	07/14/10 23:56	7440-36-0	
Arsenic	**3.1J**	ug/L	10.0	2.7	1	07/13/10 11:40	07/14/10 23:56	7440-38-2	
Barium	**159**	ug/L	100	0.20	1	07/13/10 11:40	07/14/10 23:56	7440-39-3	
Beryllium	**0.35J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/14/10 23:56	7440-41-7	
Cadmium	**0.52J**	ug/L	1.0	0.50	1	07/13/10 11:40	07/14/10 23:56	7440-43-9	
Chromium	**2.5J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:56	7440-47-3	
Cobalt	**543**	ug/L	10.0	0.60	1	07/13/10 11:40	07/14/10 23:56	7440-48-4	
Copper	**7.8J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/14/10 23:56	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/14/10 23:56	7439-92-1	
Nickel	**13.1J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/14/10 23:56	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/14/10 23:56	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/14/10 23:56	7440-22-4	
Thallium	**6.2**	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 16:50	7440-28-0	
Vanadium	**3.4J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/14/10 23:56	7440-62-2	
Zinc	**55.2**	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:56	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 18:45	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 18:45	107-13-1	
Benzene	**3.0**	ug/L	1.0	0.25	1		07/19/10 18:45	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 18:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 18:45	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 18:45	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 18:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 18:45	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 18:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 18:45	56-23-5	
Chlorobenzene	**1.8J**	ug/L	3.0	0.23	1		07/19/10 18:45	108-90-7	
Chloroethane	**3.0J**	ug/L	10.0	0.54	1		07/19/10 18:45	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 18:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 18:45	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 18:45	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 18:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 18:45	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 18:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 18:45	95-50-1	
1,4-Dichlorobenzene	**4.2**	ug/L	1.0	0.33	1		07/19/10 18:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 18:45	110-57-6	
1,1-Dichloroethane	**1.1J**	ug/L	5.0	0.32	1		07/19/10 18:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 18:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 18:45	75-35-4	
cis-1,2-Dichloroethene	**20.3**	ug/L	5.0	0.19	1		07/19/10 18:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 18:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 18:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 18:45	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 18:45	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-2 **Lab ID: 9273147003** Collected: 07/08/10 13:40 Received: 07/09/10 14:35 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		07/19/10 18:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 18:45	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 18:45	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 18:45	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 18:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 18:45	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 18:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 18:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 18:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 18:45	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 18:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 18:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 18:45	79-00-5	
Trichloroethene	**1.8**	ug/L	1.0	0.47	1		07/19/10 18:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 18:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 18:45	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 18:45	108-05-4	
Vinyl chloride	**1.4**	ug/L	1.0	0.62	1		07/19/10 18:45	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 18:45	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/19/10 18:45	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		07/19/10 18:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		07/19/10 18:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/19/10 18:45	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-4R **Lab ID: 9273147004** Collected: 07/08/10 14:00 Received: 07/09/10 14:35 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	07/13/10 11:40	07/14/10 23:59	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/14/10 23:59	7440-38-2	
Barium	**103**	ug/L	100	0.20	1	07/13/10 11:40	07/14/10 23:59	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/14/10 23:59	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/14/10 23:59	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:59	7440-47-3	
Cobalt	**203**	ug/L	10.0	0.60	1	07/13/10 11:40	07/14/10 23:59	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/13/10 11:40	07/14/10 23:59	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/14/10 23:59	7439-92-1	
Nickel	**11.8J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/14/10 23:59	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/14/10 23:59	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/14/10 23:59	7440-22-4	
Thallium	**5.4J**	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 16:53	7440-28-0	
Vanadium	**0.49J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/14/10 23:59	7440-62-2	
Zinc	**1.6J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/14/10 23:59	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 19:10	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 19:10	107-13-1	
Benzene	**2.5**	ug/L	1.0	0.25	1		07/19/10 19:10	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 19:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 19:10	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 19:10	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 19:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 19:10	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 19:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 19:10	56-23-5	
Chlorobenzene	**1.3J**	ug/L	3.0	0.23	1		07/19/10 19:10	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 19:10	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 19:10	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 19:10	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 19:10	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 19:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 19:10	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 19:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 19:10	95-50-1	
1,4-Dichlorobenzene	**4.1**	ug/L	1.0	0.33	1		07/19/10 19:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 19:10	110-57-6	
1,1-Dichloroethane	**3.9J**	ug/L	5.0	0.32	1		07/19/10 19:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 19:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 19:10	75-35-4	
cis-1,2-Dichloroethene	**15.1**	ug/L	5.0	0.19	1		07/19/10 19:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 19:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 19:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 19:10	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 19:10	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-4R **Lab ID: 9273147004** Collected: 07/08/10 14:00 Received: 07/09/10 14:35 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		07/19/10 19:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 19:10	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 19:10	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 19:10	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 19:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 19:10	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 19:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 19:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 19:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 19:10	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 19:10	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 19:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 19:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 19:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 19:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 19:10	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 19:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 19:10	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 19:10	1330-20-7	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/19/10 19:10	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/19/10 19:10	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/19/10 19:10	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/19/10 19:10	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-9 **Lab ID: 9273147005** Collected: 07/07/10 17:30 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:02	7440-36-0	
Arsenic	**4.2J**	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:02	7440-38-2	
Barium	**115**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:02	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:02	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:02	7440-43-9	
Chromium	**1.3J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:02	7440-47-3	
Cobalt	**49.0**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:02	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:02	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:02	7439-92-1	
Nickel	**28.8J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:02	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:02	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:02	7440-22-4	
Thallium	**5.6**	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 16:57	7440-28-0	
Vanadium	**0.45J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:02	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:02	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 19:36	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 19:36	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/19/10 19:36	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 19:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 19:36	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 19:36	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 19:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 19:36	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 19:36	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 19:36	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 19:36	108-90-7	
Chloroethane	**0.66J**	ug/L	10.0	0.54	1		07/19/10 19:36	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 19:36	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 19:36	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 19:36	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 19:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 19:36	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 19:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 19:36	95-50-1	
1,4-Dichlorobenzene	**0.40J**	ug/L	1.0	0.33	1		07/19/10 19:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 19:36	110-57-6	
1,1-Dichloroethane	**0.85J**	ug/L	5.0	0.32	1		07/19/10 19:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 19:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 19:36	75-35-4	
cis-1,2-Dichloroethene	**13.9**	ug/L	5.0	0.19	1		07/19/10 19:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 19:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 19:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 19:36	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 19:36	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-9 **Lab ID: 9273147005** Collected: 07/07/10 17:30 Received: 07/09/10 14:35 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		07/19/10 19:36	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 19:36	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 19:36	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 19:36	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 19:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 19:36	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 19:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 19:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 19:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 19:36	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 19:36	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 19:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 19:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 19:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 19:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 19:36	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 19:36	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 19:36	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 19:36	1330-20-7	
4-Bromofluorobenzene (S)	89	%	70-130		1		07/19/10 19:36	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		07/19/10 19:36	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		07/19/10 19:36	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/19/10 19:36	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-10 **Lab ID: 9273147006** Collected: 07/07/10 14:20 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:15	7440-36-0	
Arsenic	**3.8J**	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:15	7440-38-2	
Barium	**22.9J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:15	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:15	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:15	7440-43-9	
Chromium	**0.93J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:15	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:15	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:15	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:15	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:15	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:15	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:15	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:01	7440-28-0	
Vanadium	**0.99J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:15	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:15	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**2.2J**	ug/L	100	2.2	1		07/19/10 20:01	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 20:01	107-13-1	
Benzene	**1.1**	ug/L	1.0	0.25	1		07/19/10 20:01	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 20:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 20:01	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 20:01	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 20:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 20:01	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 20:01	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 20:01	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/19/10 20:01	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 20:01	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 20:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 20:01	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 20:01	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 20:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 20:01	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 20:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 20:01	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/19/10 20:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 20:01	110-57-6	
1,1-Dichloroethane	**0.50J**	ug/L	5.0	0.32	1		07/19/10 20:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 20:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 20:01	75-35-4	
cis-1,2-Dichloroethene	**2.9J**	ug/L	5.0	0.19	1		07/19/10 20:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 20:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 20:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 20:01	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 20:01	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-10 **Lab ID: 9273147006** Collected: 07/07/10 14:20 Received: 07/09/10 14:35 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		07/19/10 20:01	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 20:01	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 20:01	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 20:01	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 20:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 20:01	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 20:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 20:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 20:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 20:01	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 20:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 20:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 20:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/19/10 20:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 20:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 20:01	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 20:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 20:01	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 20:01	1330-20-7	
4-Bromofluorobenzene (S)	93	%	70-130		1		07/19/10 20:01	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/19/10 20:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		07/19/10 20:01	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		07/19/10 20:01	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-14 **Lab ID: 9273147007** Collected: 07/08/10 11:00 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:18	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:18	7440-38-2	
Barium	**85.1J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:18	7440-39-3	
Beryllium	**0.10J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:18	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:18	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:18	7440-47-3	
Cobalt	**183**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:18	7440-48-4	
Copper	**0.86J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:18	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:18	7439-92-1	
Nickel	**10.9J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:18	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:18	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:18	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:04	7440-28-0	
Vanadium	**0.50J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:18	7440-62-2	
Zinc	**17.3**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:18	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/19/10 23:51	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/19/10 23:51	107-13-1	
Benzene	**0.95J**	ug/L	1.0	0.25	1		07/19/10 23:51	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/19/10 23:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/19/10 23:51	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/19/10 23:51	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/19/10 23:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/19/10 23:51	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/19/10 23:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/19/10 23:51	56-23-5	
Chlorobenzene	**1.0J**	ug/L	3.0	0.23	1		07/19/10 23:51	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/19/10 23:51	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/19/10 23:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/19/10 23:51	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/19/10 23:51	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/19/10 23:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/19/10 23:51	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/19/10 23:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/19/10 23:51	95-50-1	
1,4-Dichlorobenzene	**2.7**	ug/L	1.0	0.33	1		07/19/10 23:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/19/10 23:51	110-57-6	
1,1-Dichloroethane	**0.60J**	ug/L	5.0	0.32	1		07/19/10 23:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/19/10 23:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/19/10 23:51	75-35-4	
cis-1,2-Dichloroethene	**10.9**	ug/L	5.0	0.19	1		07/19/10 23:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/19/10 23:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/19/10 23:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/19/10 23:51	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/19/10 23:51	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-14 **Lab ID: 9273147007** Collected: 07/08/10 11:00 Received: 07/09/10 14:35 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		07/19/10 23:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/19/10 23:51	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/19/10 23:51	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/19/10 23:51	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/19/10 23:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/19/10 23:51	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/19/10 23:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/19/10 23:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/19/10 23:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/19/10 23:51	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/19/10 23:51	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/19/10 23:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/19/10 23:51	79-00-5	
Trichloroethene	**0.78J**	ug/L	1.0	0.47	1		07/19/10 23:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/19/10 23:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/19/10 23:51	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/19/10 23:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/19/10 23:51	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/19/10 23:51	1330-20-7	
4-Bromofluorobenzene (S)	89	%	70-130		1		07/19/10 23:51	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		07/19/10 23:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		07/19/10 23:51	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/19/10 23:51	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-15 **Lab ID: 9273147008** Collected: 07/08/10 10:00 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:21	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:21	7440-38-2	
Barium	**52.0J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:21	7440-39-3	
Beryllium	**0.18J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:21	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:21	7440-43-9	
Chromium	**0.40J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:21	7440-47-3	
Cobalt	**13.8**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:21	7440-48-4	
Copper	**4.1J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:21	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:21	7439-92-1	
Nickel	**2.8J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:21	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:21	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:21	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:08	7440-28-0	
Vanadium	**0.28J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:21	7440-62-2	
Zinc	**9.2J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:21	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 00:17	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 00:17	107-13-1	
Benzene	**3.4**	ug/L	1.0	0.25	1		07/20/10 00:17	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 00:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 00:17	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 00:17	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 00:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 00:17	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 00:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 00:17	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 00:17	108-90-7	
Chloroethane	**1.8J**	ug/L	10.0	0.54	1		07/20/10 00:17	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 00:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 00:17	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 00:17	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 00:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 00:17	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 00:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 00:17	95-50-1	
1,4-Dichlorobenzene	**0.63J**	ug/L	1.0	0.33	1		07/20/10 00:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 00:17	110-57-6	
1,1-Dichloroethane	**3.8J**	ug/L	5.0	0.32	1		07/20/10 00:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 00:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 00:17	75-35-4	
cis-1,2-Dichloroethene	**8.5**	ug/L	5.0	0.19	1		07/20/10 00:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 00:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 00:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 00:17	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 00:17	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-15 **Lab ID: 9273147008** Collected: 07/08/10 10:00 Received: 07/09/10 14:35 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		07/20/10 00:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 00:17	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 00:17	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 00:17	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 00:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 00:17	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 00:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 00:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 00:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 00:17	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 00:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 00:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 00:17	79-00-5	
Trichloroethene	**0.95J**	ug/L	1.0	0.47	1		07/20/10 00:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 00:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 00:17	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 00:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 00:17	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 00:17	1330-20-7	
4-Bromofluorobenzene (S)	91	%	70-130		1		07/20/10 00:17	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/20/10 00:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		07/20/10 00:17	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		07/20/10 00:17	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-17 **Lab ID: 9273147009** Collected: 07/07/10 12:25 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:24	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:24	7440-38-2	
Barium	**53.4J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:24	7440-39-3	
Beryllium	**0.18J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:24	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:24	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:24	7440-47-3	
Cobalt	**12.9**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:24	7440-48-4	
Copper	**2.4J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:24	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:24	7439-92-1	
Nickel	**5.0J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:24	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:24	7782-49-2	
Silver	**0.10J**	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:24	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:27	7440-28-0	
Vanadium	**0.39J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:24	7440-62-2	
Zinc	**21.1**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:24	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**2.5J**	ug/L	100	2.2	1		07/20/10 00:42	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 00:42	107-13-1	
Benzene	**1.2**	ug/L	1.0	0.25	1		07/20/10 00:42	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 00:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 00:42	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 00:42	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 00:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 00:42	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 00:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 00:42	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 00:42	108-90-7	
Chloroethane	**0.79J**	ug/L	10.0	0.54	1		07/20/10 00:42	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 00:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 00:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 00:42	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 00:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 00:42	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 00:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 00:42	95-50-1	
1,4-Dichlorobenzene	**0.35J**	ug/L	1.0	0.33	1		07/20/10 00:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 00:42	110-57-6	
1,1-Dichloroethane	**1.6J**	ug/L	5.0	0.32	1		07/20/10 00:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 00:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 00:42	75-35-4	
cis-1,2-Dichloroethene	**3.0J**	ug/L	5.0	0.19	1		07/20/10 00:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 00:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 00:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 00:42	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 00:42	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-17 **Lab ID: 9273147009** Collected: 07/07/10 12:25 Received: 07/09/10 14:35 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		07/20/10 00:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 00:42	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 00:42	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 00:42	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 00:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 00:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 00:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 00:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 00:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 00:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 00:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 00:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 00:42	79-00-5	
Trichloroethene	**0.55J**	ug/L	1.0	0.47	1		07/20/10 00:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 00:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 00:42	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 00:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 00:42	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 00:42	1330-20-7	
4-Bromofluorobenzene (S)	93	%	70-130		1		07/20/10 00:42	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/20/10 00:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		07/20/10 00:42	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/20/10 00:42	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-19 **Lab ID: 9273147010** Collected: 07/07/10 11:50 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:27	7440-36-0	
Arsenic	**4.3J**	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:27	7440-38-2	
Barium	**23.9J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:27	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:27	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:27	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:27	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:27	7440-48-4	
Copper	**1.1J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:27	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:27	7439-92-1	
Nickel	**2.6J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:27	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:27	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:27	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:30	7440-28-0	
Vanadium	**0.41J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:27	7440-62-2	
Zinc	**7.2J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:27	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**2.4J**	ug/L	100	2.2	1		07/20/10 01:08	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 01:08	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 01:08	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 01:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 01:08	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 01:08	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 01:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 01:08	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 01:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 01:08	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 01:08	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 01:08	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 01:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 01:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 01:08	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 01:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 01:08	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 01:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 01:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 01:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 01:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 01:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 01:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 01:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 01:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 01:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 01:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 01:08	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 01:08	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-19 **Lab ID: 9273147010** Collected: 07/07/10 11:50 Received: 07/09/10 14:35 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		07/20/10 01:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 01:08	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 01:08	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 01:08	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 01:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 01:08	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 01:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 01:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 01:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 01:08	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 01:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 01:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 01:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 01:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 01:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 01:08	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 01:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 01:08	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 01:08	1330-20-7	
4-Bromofluorobenzene (S)	95	%	70-130		1		07/20/10 01:08	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/20/10 01:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		07/20/10 01:08	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/20/10 01:08	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-20 **Lab ID: 9273147011** Collected: 07/07/10 11:00 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:31	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:31	7440-38-2	
Barium	**34.4J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:31	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:31	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:31	7440-43-9	
Chromium	**0.51J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:31	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:31	7440-48-4	
Copper	**1.5J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:31	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:31	7439-92-1	
Nickel	**2.3J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:31	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:31	7782-49-2	
Silver	**0.18J**	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:31	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:34	7440-28-0	
Vanadium	**0.50J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:31	7440-62-2	
Zinc	**0.62J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:31	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 13:25	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 13:25	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 13:25	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 13:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 13:25	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 13:25	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 13:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 13:25	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 13:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 13:25	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 13:25	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 13:25	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 13:25	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 13:25	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 13:25	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 13:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 13:25	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 13:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 13:25	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 13:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 13:25	110-57-6	
1,1-Dichloroethane	**0.35J**	ug/L	5.0	0.32	1		07/20/10 13:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 13:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 13:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 13:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 13:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 13:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 13:25	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 13:25	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-20 **Lab ID: 9273147011** Collected: 07/07/10 11:00 Received: 07/09/10 14:35 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		07/20/10 13:25	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 13:25	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 13:25	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 13:25	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 13:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 13:25	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 13:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 13:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 13:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 13:25	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 13:25	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 13:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 13:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 13:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 13:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 13:25	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 13:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 13:25	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 13:25	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/20/10 13:25	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		07/20/10 13:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		07/20/10 13:25	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/20/10 13:25	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-21 **Lab ID: 9273147012** Collected: 07/07/10 10:10 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:34	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:34	7440-38-2	
Barium	**41.6J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:34	7440-39-3	
Beryllium	**0.20J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:34	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:34	7440-43-9	
Chromium	**2.3J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:34	7440-47-3	
Cobalt	**9.1J**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:34	7440-48-4	
Copper	**1.4J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:34	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:34	7439-92-1	
Nickel	**3.1J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:34	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:34	7782-49-2	
Silver	**0.12J**	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:34	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:37	7440-28-0	
Vanadium	**2.2J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:34	7440-62-2	
Zinc	**24.4**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:34	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 13:51	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 13:51	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 13:51	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 13:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 13:51	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 13:51	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 13:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 13:51	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 13:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 13:51	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 13:51	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 13:51	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 13:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 13:51	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 13:51	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 13:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 13:51	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 13:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 13:51	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 13:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 13:51	110-57-6	
1,1-Dichloroethane	**0.46J**	ug/L	5.0	0.32	1		07/20/10 13:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 13:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 13:51	75-35-4	
cis-1,2-Dichloroethene	**0.29J**	ug/L	5.0	0.19	1		07/20/10 13:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 13:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 13:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 13:51	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 13:51	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-21 **Lab ID: 9273147012** Collected: 07/07/10 10:10 Received: 07/09/10 14:35 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		07/20/10 13:51	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 13:51	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 13:51	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 13:51	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 13:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 13:51	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 13:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 13:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 13:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 13:51	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 13:51	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 13:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 13:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 13:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 13:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 13:51	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 13:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 13:51	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 13:51	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-130		1		07/20/10 13:51	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		07/20/10 13:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		07/20/10 13:51	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/20/10 13:51	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-22 **Lab ID: 9273147013** Collected: 07/07/10 15:00 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:37	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:37	7440-38-2	
Barium	**66.0J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:37	7440-39-3	
Beryllium	**0.23J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:37	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:37	7440-43-9	
Chromium	**5.2J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:37	7440-47-3	
Cobalt	**4.8J**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:37	7440-48-4	
Copper	**1.8J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:37	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:37	7439-92-1	
Nickel	**3.6J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:37	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:37	7782-49-2	
Silver	**0.16J**	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:37	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:40	7440-28-0	
Vanadium	**4.1J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:37	7440-62-2	
Zinc	**9.9J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:37	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 14:16	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 14:16	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 14:16	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 14:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 14:16	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 14:16	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 14:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 14:16	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 14:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 14:16	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 14:16	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 14:16	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 14:16	67-66-3	
Chloromethane	**0.19J**	ug/L	1.0	0.11	1		07/20/10 14:16	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 14:16	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 14:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 14:16	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 14:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 14:16	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 14:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 14:16	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 14:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 14:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 14:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 14:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 14:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 14:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 14:16	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 14:16	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-22 **Lab ID: 9273147013** Collected: 07/07/10 15:00 Received: 07/09/10 14:35 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		07/20/10 14:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 14:16	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 14:16	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 14:16	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 14:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 14:16	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 14:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 14:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 14:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 14:16	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 14:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 14:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 14:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 14:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 14:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 14:16	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 14:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 14:16	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 14:16	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-130		1		07/20/10 14:16	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		07/20/10 14:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/20/10 14:16	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/20/10 14:16	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-23 **Lab ID: 9273147014** Collected: 07/07/10 09:00 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:40	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:40	7440-38-2	
Barium	**22.2J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:40	7440-39-3	
Beryllium	**0.10J**	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:40	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:40	7440-43-9	
Chromium	**1.9J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:40	7440-47-3	
Cobalt	**1.1J**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:40	7440-48-4	
Copper	**2.6J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:40	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:40	7439-92-1	
Nickel	**2.6J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:40	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:40	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:40	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:43	7440-28-0	
Vanadium	**1.1J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:40	7440-62-2	
Zinc	**8.9J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:40	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 14:42	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 14:42	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 14:42	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 14:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 14:42	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 14:42	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 14:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 14:42	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 14:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 14:42	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 14:42	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 14:42	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 14:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 14:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 14:42	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 14:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 14:42	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 14:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 14:42	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 14:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 14:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 14:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 14:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 14:42	75-35-4	
cis-1,2-Dichloroethene	**2.6J**	ug/L	5.0	0.19	1		07/20/10 14:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 14:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 14:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 14:42	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 14:42	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: MW-23 **Lab ID: 9273147014** Collected: 07/07/10 09:00 Received: 07/09/10 14:35 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		07/20/10 14:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 14:42	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 14:42	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 14:42	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 14:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 14:42	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 14:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 14:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 14:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 14:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 14:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 14:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 14:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 14:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 14:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 14:42	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 14:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 14:42	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 14:42	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/20/10 14:42	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		07/20/10 14:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		07/20/10 14:42	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/20/10 14:42	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: SW-3 **Lab ID: 9273147015** Collected: 07/07/10 15:35 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:43	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:43	7440-38-2	
Barium	**37.6J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:43	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:43	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:43	7440-43-9	
Chromium	**0.44J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:43	7440-47-3	
Cobalt	**3.3J**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:43	7440-48-4	
Copper	**0.32J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:43	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:43	7439-92-1	
Nickel	**2.1J**	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:43	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:43	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:43	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:46	7440-28-0	
Vanadium	**0.29J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:43	7440-62-2	
Zinc	**0.43J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:43	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 15:08	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 15:08	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 15:08	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 15:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 15:08	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 15:08	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 15:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 15:08	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 15:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 15:08	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 15:08	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 15:08	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 15:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 15:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 15:08	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 15:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 15:08	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 15:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 15:08	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 15:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 15:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 15:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 15:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 15:08	75-35-4	
cis-1,2-Dichloroethene	**2.6J**	ug/L	5.0	0.19	1		07/20/10 15:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 15:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 15:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 15:08	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 15:08	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: SW-3 **Lab ID: 9273147015** Collected: 07/07/10 15:35 Received: 07/09/10 14:35 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		07/20/10 15:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 15:08	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 15:08	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 15:08	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 15:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 15:08	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 15:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 15:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 15:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 15:08	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 15:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 15:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 15:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 15:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 15:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 15:08	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 15:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 15:08	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 15:08	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/20/10 15:08	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/20/10 15:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		07/20/10 15:08	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/20/10 15:08	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: SW-4R **Lab ID: 9273147016** Collected: 07/07/10 09:25 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:56	7440-36-0	
Arsenic	**2.7J**	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:56	7440-38-2	
Barium	**31.1J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:56	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:56	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:56	7440-43-9	
Chromium	**1.3J**	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:56	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:56	7440-48-4	
Copper	**0.64J**	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:56	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:56	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:56	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:56	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:56	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:49	7440-28-0	
Vanadium	**0.54J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:56	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:56	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 15:33	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 15:33	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 15:33	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 15:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 15:33	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 15:33	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 15:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 15:33	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 15:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 15:33	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 15:33	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 15:33	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 15:33	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 15:33	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 15:33	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 15:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 15:33	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 15:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 15:33	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 15:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 15:33	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 15:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 15:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 15:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 15:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 15:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 15:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 15:33	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 15:33	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: SW-4R **Lab ID: 9273147016** Collected: 07/07/10 09:25 Received: 07/09/10 14:35 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		07/20/10 15:33	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 15:33	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 15:33	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 15:33	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 15:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 15:33	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 15:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 15:33	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 15:33	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 15:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 15:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 15:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 15:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 15:33	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 15:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 15:33	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 15:33	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/20/10 15:33	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/20/10 15:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		07/20/10 15:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		07/20/10 15:33	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: SW-5 **Lab ID: 9273147017** Collected: 07/07/10 14:45 Received: 07/09/10 14:35 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	07/13/10 11:40	07/15/10 00:59	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/13/10 11:40	07/15/10 00:59	7440-38-2	
Barium	**23.5J**	ug/L	100	0.20	1	07/13/10 11:40	07/15/10 00:59	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/13/10 11:40	07/15/10 00:59	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/13/10 11:40	07/15/10 00:59	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:59	7440-47-3	
Cobalt	**14.5**	ug/L	10.0	0.60	1	07/13/10 11:40	07/15/10 00:59	7440-48-4	
Copper	ND	ug/L	10.0	0.30	1	07/13/10 11:40	07/15/10 00:59	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/13/10 11:40	07/15/10 00:59	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	07/13/10 11:40	07/15/10 00:59	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/13/10 11:40	07/15/10 00:59	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/13/10 11:40	07/15/10 00:59	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/13/10 11:40	07/16/10 17:52	7440-28-0	
Vanadium	**0.57J**	ug/L	25.0	0.20	1	07/13/10 11:40	07/15/10 00:59	7440-62-2	
Zinc	ND	ug/L	10.0	0.40	1	07/13/10 11:40	07/15/10 00:59	7440-66-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 15:59	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 15:59	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 15:59	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 15:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 15:59	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 15:59	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 15:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 15:59	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 15:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 15:59	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 15:59	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 15:59	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 15:59	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 15:59	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 15:59	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 15:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 15:59	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 15:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 15:59	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 15:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 15:59	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 15:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 15:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 15:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 15:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 15:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 15:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 15:59	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 15:59	10061-01-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

Sample: SW-5 **Lab ID: 9273147017** Collected: 07/07/10 14:45 Received: 07/09/10 14:35 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		07/20/10 15:59	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 15:59	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 15:59	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 15:59	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 15:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 15:59	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 15:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 15:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 15:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 15:59	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 15:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 15:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 15:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 15:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 15:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 15:59	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 15:59	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 15:59	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 15:59	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-130		1		07/20/10 15:59	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/20/10 15:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		07/20/10 15:59	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/20/10 15:59	2037-26-5	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

QC Batch: MPRP/6665 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9273147002, 9273147003, 9273147004, 9273147005, 9273147006, 9273147007, 9273147008, 9273147009, 9273147010, 9273147011, 9273147012, 9273147013, 9273147014

METHOD BLANK: 467855 Matrix: Water
Associated Lab Samples: 9273147001, 9273147002, 9273147003, 9273147004, 9273147005, 9273147006, 9273147007, 9273147008, 9273147009, 9273147010, 9273147011, 9273147012, 9273147013, 9273147014, 9273147015, 9273147016, 9273147017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	07/14/10 23:21	
Arsenic	ug/L	ND	10.0	07/14/10 23:21	
Barium	ug/L	ND	100	07/14/10 23:21	
Beryllium	ug/L	ND	1.0	07/14/10 23:21	
Cadmium	ug/L	ND	1.0	07/14/10 23:21	
Chromium	ug/L	ND	10.0	07/14/10 23:21	
Cobalt	ug/L	ND	10.0	07/14/10 23:21	
Copper	ug/L	ND	10.0	07/14/10 23:21	
Lead	ug/L	ND	10.0	07/14/10 23:21	
Nickel	ug/L	ND	50.0	07/14/10 23:21	
Selenium	ug/L	ND	10.0	07/14/10 23:21	
Silver	ug/L	ND	10.0	07/14/10 23:21	
Thallium	ug/L	ND	5.5	07/16/10 15:45	
Vanadium	ug/L	ND	25.0	07/14/10 23:21	
Zinc	ug/L	ND	10.0	07/14/10 23:21	

LABORATORY CONTROL SAMPLE: 467856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	490	98	80-120	
Arsenic	ug/L	500	493	99	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	507	101	80-120	
Cadmium	ug/L	500	492	98	80-120	
Chromium	ug/L	500	502	100	80-120	
Cobalt	ug/L	500	488	98	80-120	
Copper	ug/L	500	488	98	80-120	
Lead	ug/L	500	488	98	80-120	
Nickel	ug/L	500	491	98	80-120	
Selenium	ug/L	500	487	97	80-120	
Silver	ug/L	250	226	90	80-120	
Thallium	ug/L	500	443	89	80-120	
Vanadium	ug/L	500	494	99	80-120	
Zinc	ug/L	500	494	99	80-120	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

MATRIX SPIKE SAMPLE: 467857

Parameter	Units	9273125001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	497	99	75-125	
Arsenic	ug/L	3.5J	500	503	100	75-125	
Barium	ug/L	23.7J	500	515	98	75-125	
Beryllium	ug/L	0.76J	500	523	104	75-125	
Cadmium	ug/L	ND	500	500	100	75-125	
Chromium	ug/L	6.4J	500	516	102	75-125	
Cobalt	ug/L	6.6J	500	498	98	75-125	
Copper	ug/L	11.9	500	511	100	75-125	
Lead	ug/L	ND	500	494	98	75-125	
Nickel	ug/L	8.3J	500	509	100	75-125	
Selenium	ug/L	ND	500	494	98	75-125	
Silver	ug/L	0.37J	250	229	91	75-125	
Thallium	ug/L	70.4	500	561	98	75-125	
Vanadium	ug/L	8.2J	500	510	100	75-125	
Zinc	ug/L	12.7	500	522	102	75-125	

SAMPLE DUPLICATE: 467858

Parameter	Units	9273128001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	66.3J	60.8J	9	25	
Beryllium	ug/L	0.44J	0.62J		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	22.6	18.1	22	25	
Cobalt	ug/L	22.2	19.1	15	25	
Copper	ug/L	43.1	37.7	13	25	
Lead	ug/L	5.5J	5.3J	4	25	
Nickel	ug/L	16.8J	14.4J	15	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	0.11J	0.24J		25	
Thallium	ug/L	ND	ND		25	
Vanadium	ug/L	38.6	31.7	20	25	
Zinc	ug/L	38.8	31.3	21	25	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

QC Batch: MSV/11610 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9273147001, 9273147002, 9273147003, 9273147004, 9273147005, 9273147006

METHOD BLANK: 470783 Matrix: Water
Associated Lab Samples: 9273147001, 9273147002, 9273147003, 9273147004, 9273147005, 9273147006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/19/10 11:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/19/10 11:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	07/19/10 11:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/19/10 11:05	
1,1-Dichloroethane	ug/L	ND	5.0	07/19/10 11:05	
1,1-Dichloroethene	ug/L	ND	5.0	07/19/10 11:05	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/19/10 11:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	07/19/10 11:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/19/10 11:05	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/19/10 11:05	
1,2-Dichloroethane	ug/L	ND	1.0	07/19/10 11:05	
1,2-Dichloropropane	ug/L	ND	1.0	07/19/10 11:05	
1,3-Dichloropropane	ug/L	ND	1.0	07/19/10 11:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/19/10 11:05	
2-Butanone (MEK)	ug/L	ND	100	07/19/10 11:05	
2-Hexanone	ug/L	ND	50.0	07/19/10 11:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	07/19/10 11:05	
Acetone	ug/L	ND	100	07/19/10 11:05	
Acrylonitrile	ug/L	ND	200	07/19/10 11:05	
Benzene	ug/L	ND	1.0	07/19/10 11:05	
Bromochloromethane	ug/L	ND	3.0	07/19/10 11:05	
Bromodichloromethane	ug/L	ND	1.0	07/19/10 11:05	
Bromoform	ug/L	ND	3.0	07/19/10 11:05	
Bromomethane	ug/L	ND	10.0	07/19/10 11:05	
Carbon disulfide	ug/L	ND	100	07/19/10 11:05	
Carbon tetrachloride	ug/L	ND	1.0	07/19/10 11:05	
Chlorobenzene	ug/L	ND	3.0	07/19/10 11:05	
Chloroethane	ug/L	ND	10.0	07/19/10 11:05	
Chloroform	ug/L	ND	5.0	07/19/10 11:05	
Chloromethane	ug/L	ND	1.0	07/19/10 11:05	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/19/10 11:05	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/19/10 11:05	
Dibromochloromethane	ug/L	ND	3.0	07/19/10 11:05	
Dibromomethane	ug/L	ND	10.0	07/19/10 11:05	
Ethylbenzene	ug/L	ND	1.0	07/19/10 11:05	
Iodomethane	ug/L	ND	10.0	07/19/10 11:05	
Methylene Chloride	ug/L	ND	1.0	07/19/10 11:05	
Styrene	ug/L	ND	1.0	07/19/10 11:05	
Tetrachloroethene	ug/L	ND	1.0	07/19/10 11:05	
Toluene	ug/L	ND	1.0	07/19/10 11:05	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/19/10 11:05	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/19/10 11:05	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/19/10 11:05	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

METHOD BLANK: 470783 Matrix: Water

Associated Lab Samples: 9273147001, 9273147002, 9273147003, 9273147004, 9273147005, 9273147006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	07/19/10 11:05	
Trichlorofluoromethane	ug/L	ND	1.0	07/19/10 11:05	
Vinyl acetate	ug/L	ND	50.0	07/19/10 11:05	
Vinyl chloride	ug/L	ND	1.0	07/19/10 11:05	
Xylene (Total)	ug/L	ND	5.0	07/19/10 11:05	
1,2-Dichloroethane-d4 (S)	%	103	70-130	07/19/10 11:05	
4-Bromofluorobenzene (S)	%	99	70-130	07/19/10 11:05	
Dibromofluoromethane (S)	%	97	70-130	07/19/10 11:05	
Toluene-d8 (S)	%	104	70-130	07/19/10 11:05	

LABORATORY CONTROL SAMPLE: 470784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.3	111	70-130	
1,1,1-Trichloroethane	ug/L	50	56.3	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	58.4	117	70-130	
1,1,2-Trichloroethane	ug/L	50	55.1	110	70-130	
1,1-Dichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethene	ug/L	50	58.9	118	70-132	
1,2,3-Trichloropropane	ug/L	50	52.1	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.9	108	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	55.1	110	70-130	
1,2-Dichloropropane	ug/L	50	54.9	110	70-130	
1,3-Dichloropropane	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	47.9	96	70-130	
2-Butanone (MEK)	ug/L	100	139	139	70-145	
2-Hexanone	ug/L	100	106	106	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	70-140	
Acetone	ug/L	100	134	134	50-175	
Acrylonitrile	ug/L	250	301	120	70-143	
Benzene	ug/L	50	52.5	105	70-130	
Bromochloromethane	ug/L	50	52.4	105	70-130	
Bromodichloromethane	ug/L	50	53.0	106	70-130	
Bromoform	ug/L	50	53.9	108	70-130	
Bromomethane	ug/L	50	67.8	136	54-130	L3
Carbon disulfide	ug/L	50	63.3J	127	70-131	
Carbon tetrachloride	ug/L	50	59.7	119	70-132	
Chlorobenzene	ug/L	50	50.5	101	70-130	
Chloroethane	ug/L	50	62.4	125	64-134	
Chloroform	ug/L	50	48.0	96	70-130	
Chloromethane	ug/L	50	60.1	120	64-130	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.6	107	70-130	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

LABORATORY CONTROL SAMPLE: 470784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	50.0	100	70-130	
Dibromomethane	ug/L	50	44.5	89	70-131	
Ethylbenzene	ug/L	50	50.3	101	70-130	
Iodomethane	ug/L	100	124	124	49-180	
Methylene Chloride	ug/L	50	58.1	116	63-130	
Styrene	ug/L	50	52.5	105	70-130	
Tetrachloroethene	ug/L	50	47.9	96	70-130	
Toluene	ug/L	50	54.2	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.4	105	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	56.1J	112	70-141	
Trichloroethene	ug/L	50	50.0	100	70-130	
Trichlorofluoromethane	ug/L	50	55.0	110	62-133	
Vinyl acetate	ug/L	100	130	130	66-157	
Vinyl chloride	ug/L	50	59.9	120	69-130	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			89	70-130	
Toluene-d8 (S)	%			108	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 470785 470786

Parameter	Units	9273147006 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	52.7	54.5	105	109	70-166	3	30	
Benzene	ug/L	1.1	50	50	50.8	51.7	100	101	70-148	2	30	
Chlorobenzene	ug/L	ND	50	50	46.8	48.0	94	96	70-146	3	30	
Toluene	ug/L	ND	50	50	48.6	51.7	97	103	70-155	6	30	
Trichloroethene	ug/L	ND	50	50	48.0	47.7	96	95	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						103	106	70-130			
4-Bromofluorobenzene (S)	%						94	95	70-130			
Dibromofluoromethane (S)	%						98	99	70-130			
Toluene-d8 (S)	%						97	104	70-130			

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

QC Batch: MSV/11611 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9273147007, 9273147008, 9273147009, 9273147010

METHOD BLANK: 470801 Matrix: Water
Associated Lab Samples: 9273147007, 9273147008, 9273147009, 9273147010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/19/10 23:00	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/19/10 23:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	07/19/10 23:00	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/19/10 23:00	
1,1-Dichloroethane	ug/L	ND	5.0	07/19/10 23:00	
1,1-Dichloroethene	ug/L	ND	5.0	07/19/10 23:00	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/19/10 23:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	07/19/10 23:00	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/19/10 23:00	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/19/10 23:00	
1,2-Dichloroethane	ug/L	ND	1.0	07/19/10 23:00	
1,2-Dichloropropane	ug/L	ND	1.0	07/19/10 23:00	
1,3-Dichloropropane	ug/L	ND	1.0	07/19/10 23:00	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/19/10 23:00	
2-Butanone (MEK)	ug/L	ND	100	07/19/10 23:00	
2-Hexanone	ug/L	ND	50.0	07/19/10 23:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	07/19/10 23:00	
Acetone	ug/L	ND	100	07/19/10 23:00	
Acrylonitrile	ug/L	ND	200	07/19/10 23:00	
Benzene	ug/L	ND	1.0	07/19/10 23:00	
Bromochloromethane	ug/L	ND	3.0	07/19/10 23:00	
Bromodichloromethane	ug/L	ND	1.0	07/19/10 23:00	
Bromoform	ug/L	ND	3.0	07/19/10 23:00	
Bromomethane	ug/L	ND	10.0	07/19/10 23:00	
Carbon disulfide	ug/L	ND	100	07/19/10 23:00	
Carbon tetrachloride	ug/L	ND	1.0	07/19/10 23:00	
Chlorobenzene	ug/L	ND	3.0	07/19/10 23:00	
Chloroethane	ug/L	ND	10.0	07/19/10 23:00	
Chloroform	ug/L	ND	5.0	07/19/10 23:00	
Chloromethane	ug/L	ND	1.0	07/19/10 23:00	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/19/10 23:00	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/19/10 23:00	
Dibromochloromethane	ug/L	ND	3.0	07/19/10 23:00	
Dibromomethane	ug/L	ND	10.0	07/19/10 23:00	
Ethylbenzene	ug/L	ND	1.0	07/19/10 23:00	
Iodomethane	ug/L	ND	10.0	07/19/10 23:00	
Methylene Chloride	ug/L	ND	1.0	07/19/10 23:00	
Styrene	ug/L	ND	1.0	07/19/10 23:00	
Tetrachloroethene	ug/L	ND	1.0	07/19/10 23:00	
Toluene	ug/L	ND	1.0	07/19/10 23:00	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/19/10 23:00	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/19/10 23:00	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/19/10 23:00	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

METHOD BLANK: 470801 Matrix: Water

Associated Lab Samples: 9273147007, 9273147008, 9273147009, 9273147010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	07/19/10 23:00	
Trichlorofluoromethane	ug/L	ND	1.0	07/19/10 23:00	
Vinyl acetate	ug/L	ND	50.0	07/19/10 23:00	
Vinyl chloride	ug/L	ND	1.0	07/19/10 23:00	
Xylene (Total)	ug/L	ND	5.0	07/19/10 23:00	
1,2-Dichloroethane-d4 (S)	%	107	70-130	07/19/10 23:00	
4-Bromofluorobenzene (S)	%	98	70-130	07/19/10 23:00	
Dibromofluoromethane (S)	%	102	70-130	07/19/10 23:00	
Toluene-d8 (S)	%	105	70-130	07/19/10 23:00	

LABORATORY CONTROL SAMPLE: 470802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.3	107	70-130	
1,1,1-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	58.3	117	70-130	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	45.7	91	70-130	
1,1-Dichloroethene	ug/L	50	56.9	114	70-132	
1,2,3-Trichloropropane	ug/L	50	52.5	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.9	102	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.7	99	70-130	
1,2-Dichlorobenzene	ug/L	50	49.4	99	70-130	
1,2-Dichloroethane	ug/L	50	52.4	105	70-130	
1,2-Dichloropropane	ug/L	50	50.0	100	70-130	
1,3-Dichloropropane	ug/L	50	47.9	96	70-130	
1,4-Dichlorobenzene	ug/L	50	47.0	94	70-130	
2-Butanone (MEK)	ug/L	100	113	113	70-145	
2-Hexanone	ug/L	100	95.5	95	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	97.7J	98	70-140	
Acetone	ug/L	100	109	109	50-175	
Acrylonitrile	ug/L	250	274	109	70-143	
Benzene	ug/L	50	49.5	99	70-130	
Bromochloromethane	ug/L	50	49.5	99	70-130	
Bromodichloromethane	ug/L	50	46.7	93	70-130	
Bromoform	ug/L	50	51.9	104	70-130	
Bromomethane	ug/L	50	65.6	131	54-130	L3
Carbon disulfide	ug/L	50	61.4J	123	70-131	
Carbon tetrachloride	ug/L	50	54.8	110	70-132	
Chlorobenzene	ug/L	50	50.3	101	70-130	
Chloroethane	ug/L	50	59.6	119	64-134	
Chloroform	ug/L	50	46.6	93	70-130	
Chloromethane	ug/L	50	54.8	110	64-130	
cis-1,2-Dichloroethene	ug/L	50	45.3	91	70-131	
cis-1,3-Dichloropropene	ug/L	50	45.8	92	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

LABORATORY CONTROL SAMPLE: 470802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	48.2	96	70-130	
Dibromomethane	ug/L	50	38.9	78	70-131	
Ethylbenzene	ug/L	50	49.1	98	70-130	
Iodomethane	ug/L	100	122	122	49-180	
Methylene Chloride	ug/L	50	56.1	112	63-130	
Styrene	ug/L	50	52.5	105	70-130	
Tetrachloroethene	ug/L	50	45.9	92	70-130	
Toluene	ug/L	50	49.8	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.6	89	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	51.4J	103	70-141	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	53.8	108	62-133	
Vinyl acetate	ug/L	100	117	117	66-157	
Vinyl chloride	ug/L	50	58.4	117	69-130	
Xylene (Total)	ug/L	150	157	105	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			88	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

QC Batch: MSV/11621 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9273147011, 9273147012, 9273147013, 9273147014, 9273147015, 9273147016, 9273147017

METHOD BLANK: 471124 Matrix: Water
Associated Lab Samples: 9273147011, 9273147012, 9273147013, 9273147014, 9273147015, 9273147016, 9273147017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/20/10 12:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/20/10 12:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	07/20/10 12:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/20/10 12:09	
1,1-Dichloroethane	ug/L	ND	5.0	07/20/10 12:09	
1,1-Dichloroethene	ug/L	ND	5.0	07/20/10 12:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/20/10 12:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	07/20/10 12:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/20/10 12:09	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/20/10 12:09	
1,2-Dichloroethane	ug/L	ND	1.0	07/20/10 12:09	
1,2-Dichloropropane	ug/L	ND	1.0	07/20/10 12:09	
1,3-Dichloropropane	ug/L	ND	1.0	07/20/10 12:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/20/10 12:09	
2-Butanone (MEK)	ug/L	ND	100	07/20/10 12:09	
2-Hexanone	ug/L	ND	50.0	07/20/10 12:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	07/20/10 12:09	
Acetone	ug/L	ND	100	07/20/10 12:09	
Acrylonitrile	ug/L	ND	200	07/20/10 12:09	
Benzene	ug/L	ND	1.0	07/20/10 12:09	
Bromochloromethane	ug/L	ND	3.0	07/20/10 12:09	
Bromodichloromethane	ug/L	ND	1.0	07/20/10 12:09	
Bromoform	ug/L	ND	3.0	07/20/10 12:09	
Bromomethane	ug/L	ND	10.0	07/20/10 12:09	
Carbon disulfide	ug/L	ND	100	07/20/10 12:09	
Carbon tetrachloride	ug/L	ND	1.0	07/20/10 12:09	
Chlorobenzene	ug/L	ND	3.0	07/20/10 12:09	
Chloroethane	ug/L	ND	10.0	07/20/10 12:09	
Chloroform	ug/L	ND	5.0	07/20/10 12:09	
Chloromethane	ug/L	ND	1.0	07/20/10 12:09	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/20/10 12:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/20/10 12:09	
Dibromochloromethane	ug/L	ND	3.0	07/20/10 12:09	
Dibromomethane	ug/L	ND	10.0	07/20/10 12:09	
Ethylbenzene	ug/L	ND	1.0	07/20/10 12:09	
Iodomethane	ug/L	ND	10.0	07/20/10 12:09	
Methylene Chloride	ug/L	ND	1.0	07/20/10 12:09	
Styrene	ug/L	ND	1.0	07/20/10 12:09	
Tetrachloroethene	ug/L	ND	1.0	07/20/10 12:09	
Toluene	ug/L	ND	1.0	07/20/10 12:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/20/10 12:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/20/10 12:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/20/10 12:09	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

METHOD BLANK: 471124 Matrix: Water

Associated Lab Samples: 9273147011, 9273147012, 9273147013, 9273147014, 9273147015, 9273147016, 9273147017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	07/20/10 12:09	
Trichlorofluoromethane	ug/L	ND	1.0	07/20/10 12:09	
Vinyl acetate	ug/L	ND	50.0	07/20/10 12:09	
Vinyl chloride	ug/L	ND	1.0	07/20/10 12:09	
Xylene (Total)	ug/L	ND	5.0	07/20/10 12:09	
1,2-Dichloroethane-d4 (S)	%	107	70-130	07/20/10 12:09	
4-Bromofluorobenzene (S)	%	98	70-130	07/20/10 12:09	
Dibromofluoromethane (S)	%	106	70-130	07/20/10 12:09	
Toluene-d8 (S)	%	101	70-130	07/20/10 12:09	

LABORATORY CONTROL SAMPLE: 471125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.7	101	70-130	
1,1,1-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.7	99	70-130	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	46.9	94	70-130	
1,1-Dichloroethene	ug/L	50	52.3	105	70-132	
1,2,3-Trichloropropane	ug/L	50	44.5	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.4	103	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	70-130	
1,2-Dichlorobenzene	ug/L	50	47.7	95	70-130	
1,2-Dichloroethane	ug/L	50	49.4	99	70-130	
1,2-Dichloropropane	ug/L	50	46.1	92	70-130	
1,3-Dichloropropane	ug/L	50	46.3	93	70-130	
1,4-Dichlorobenzene	ug/L	50	46.4	93	70-130	
2-Butanone (MEK)	ug/L	100	113	113	70-145	
2-Hexanone	ug/L	100	108	108	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	70-140	
Acetone	ug/L	100	119	119	50-175	
Acrylonitrile	ug/L	250	258	103	70-143	
Benzene	ug/L	50	45.8	92	70-130	
Bromochloromethane	ug/L	50	47.0	94	70-130	
Bromodichloromethane	ug/L	50	47.2	94	70-130	
Bromoform	ug/L	50	50.1	100	70-130	
Bromomethane	ug/L	50	53.8	108	54-130	
Carbon disulfide	ug/L	50	51.1J	102	70-131	
Carbon tetrachloride	ug/L	50	47.6	95	70-132	
Chlorobenzene	ug/L	50	46.8	94	70-130	
Chloroethane	ug/L	50	51.2	102	64-134	
Chloroform	ug/L	50	45.8	92	70-130	
Chloromethane	ug/L	50	46.8	94	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

LABORATORY CONTROL SAMPLE: 471125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	47.9	96	70-130	
Dibromomethane	ug/L	50	47.4	95	70-131	
Ethylbenzene	ug/L	50	48.0	96	70-130	
Iodomethane	ug/L	100	104	104	49-180	
Methylene Chloride	ug/L	50	52.4	105	63-130	
Styrene	ug/L	50	50.2	100	70-130	
Tetrachloroethene	ug/L	50	47.5	95	70-130	
Toluene	ug/L	50	47.1	94	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.8J	112	70-141	
Trichloroethene	ug/L	50	47.8	96	70-130	
Trichlorofluoromethane	ug/L	50	48.2	96	62-133	
Vinyl acetate	ug/L	100	97.4	97	66-157	
Vinyl chloride	ug/L	50	47.2	94	69-130	
Xylene (Total)	ug/L	150	151	100	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 471126 471127

Parameter	Units	9273611006 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	58.5	57.0	117	114	70-166	3	30	
Benzene	ug/L	4.1	50	50	56.4	55.4	105	103	70-148	2	30	
Chlorobenzene	ug/L	0.93J	50	50	54.0	51.9	106	102	70-146	4	30	
Toluene	ug/L	ND	50	50	53.7	53.1	107	106	70-155	1	30	
Trichloroethene	ug/L	1.2	50	50	53.1	50.9	104	99	69-151	4	30	
1,2-Dichloroethane-d4 (S)	%						108	113	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Dibromofluoromethane (S)	%						104	107	70-130			
Toluene-d8 (S)	%						101	102	70-130			

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QUALIFIERS

Project: ALEXANDER MSWLF (DM)
Pace Project No.: 9273147

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.

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

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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July 30, 2010

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

RE: Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory between July 09, 2010 and July 15, 2010. 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.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

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

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SAMPLE SUMMARY

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9273141001	**MW-1**	Water	07/08/10 11:50	07/09/10 14:35
9273141002	**MW-1B**	Water	07/07/10 16:30	07/09/10 14:35
9273141003	**MW-2**	Water	07/08/10 13:10	07/09/10 14:35
9273141004	**MW-4R**	Water	07/08/10 14:00	07/09/10 14:35
9273141005	**MW-9**	Water	07/07/10 17:30	07/09/10 14:35
9273141006	**MW-10**	Water	07/07/10 14:20	07/09/10 14:35
9273141007	**MW-14**	Water	07/08/10 11:00	07/09/10 14:35
9273141008	**MW-15**	Water	07/08/10 10:00	07/09/10 14:35
9273141009	**MW-17**	Water	07/07/10 12:25	07/09/10 14:35
9273141010	**MW-18**	Water	07/08/10 15:10	07/09/10 14:35
9273141011	**MW-19**	Water	07/07/10 11:50	07/09/10 14:35
9273141012	**MW-20**	Water	07/07/10 11:00	07/09/10 14:35
9273141013	**MW-21**	Water	07/07/10 10:10	07/09/10 14:35
9273141014	**MW-22**	Water	07/07/10 15:00	07/09/10 14:35
9273141015	**MW-23**	Water	07/07/10 09:00	07/09/10 14:35
9273141016	**SW-3**	Water	07/07/10 15:35	07/09/10 14:35
9273141017	**SW-4R**	Water	07/07/10 09:25	07/09/10 14:35
9273141018	**SW-5**	Water	07/07/10 14:45	07/09/10 14:35
9273141019	**MW-6**	Water	07/12/10 16:30	07/13/10 11:06
9273141020	**MW-13**	Water	07/12/10 15:00	07/13/10 11:06
9273141021	**MW-24**	Water	07/12/10 10:46	07/13/10 11:06
9273141022	**MW-25**	Water	07/12/10 12:15	07/13/10 11:06
9273141023	**MW-5**	Water	07/13/10 17:25	07/14/10 17:10
9273141024	**MW-7**	Water	07/13/10 11:00	07/14/10 17:10
9273141025	**MW-12**	Water	07/13/10 12:30	07/14/10 17:10
9273141026	**MW-12D**	Water	07/13/10 15:30	07/14/10 17:10
9273141027	**MW-27**	Water	07/13/10 09:40	07/14/10 17:10
9273141028	**MW-3**	Water	07/14/10 16:00	07/15/10 11:50
9273141029	**MW-11**	Water	07/14/10 12:35	07/15/10 11:50
9273141030	**MW-16**	Water	07/14/10 10:50	07/15/10 11:50
9273141031	**MW-26**	Water	07/14/10 09:00	07/15/10 11:50

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SAMPLE ANALYTE COUNT

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9273141001	MW-1	EPA 7470	SHB	1	PASI-A
9273141002	MW-1B	EPA 7470	SHB	1	PASI-A
9273141003	MW-2	EPA 7470	SHB	1	PASI-A
9273141004	MW-4R	EPA 7470	SHB	1	PASI-A
9273141005	MW-9	EPA 7470	SHB	1	PASI-A
9273141006	MW-10	EPA 7470	SHB	1	PASI-A
9273141007	MW-14	EPA 7470	SHB	1	PASI-A
9273141008	MW-15	EPA 7470	SHB	1	PASI-A
9273141009	MW-17	EPA 7470	SHB	1	PASI-A
9273141010	MW-18	EPA 7470	SHB	1	PASI-A
9273141011	MW-19	EPA 7470	SHB	1	PASI-A
9273141012	MW-20	EPA 7470	SHB	1	PASI-A
9273141013	MW-21	EPA 7470	SHB	1	PASI-A
9273141014	MW-22	EPA 7470	SHB	1	PASI-A
9273141015	MW-23	EPA 7470	SHB	1	PASI-A
9273141016	SW-3	EPA 7470	SHB	1	PASI-A
9273141017	SW-4R	EPA 7470	SHB	1	PASI-A
9273141018	SW-5	EPA 7470	SHB	1	PASI-A
9273141019	MW-6	EPA 7470	SHB	1	PASI-A
9273141020	MW-13	EPA 7470	SHB	1	PASI-A
9273141021	MW-24	EPA 7470	SHB	1	PASI-A
9273141022	MW-25	EPA 7470	SHB	1	PASI-A
9273141023	MW-5	EPA 7470	SHB	1	PASI-A
9273141024	MW-7	EPA 7470	SHB	1	PASI-A
9273141025	MW-12	EPA 7470	SHB	1	PASI-A
9273141026	MW-12D	EPA 7470	SHB	1	PASI-A
9273141027	MW-27	EPA 7470	SHB	1	PASI-A
9273141028	MW-3	EPA 7470	SHB	1	PASI-A
9273141029	MW-11	EPA 7470	SHB	1	PASI-A
9273141030	MW-16	EPA 7470	SHB	1	PASI-A
9273141031	MW-26	EPA 7470	SHB	1	PASI-A

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-1 **Lab ID: 9273141001** Collected: 07/08/10 11:50 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 10:34	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-1B **Lab ID: 9273141002** Collected: 07/07/10 16:30 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.58**	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 10:39	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-2 **Lab ID: 9273141003** Collected: 07/08/10 13:10 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 10:44	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-4R **Lab ID: 9273141004** Collected: 07/08/10 14:00 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 10:46	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-9 **Lab ID: 9273141005** Collected: 07/07/10 17:30 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 10:49	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-10 **Lab ID: 9273141006** Collected: 07/07/10 14:20 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 10:51	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-14 **Lab ID: 9273141007** Collected: 07/08/10 11:00 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 10:54	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-15 **Lab ID: 9273141008** Collected: 07/08/10 10:00 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**14.0**	ug/L	1.0	0.35	5	07/12/10 13:55	07/15/10 14:53	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-17 **Lab ID: 9273141009** Collected: 07/07/10 12:25 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.86**	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:10	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-18 **Lab ID: 9273141010** Collected: 07/08/10 15:10 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:12	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-19 **Lab ID: 9273141011** Collected: 07/07/10 11:50 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:15	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-20 **Lab ID: 9273141012** Collected: 07/07/10 11:00 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:17	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-21 **Lab ID: 9273141013** Collected: 07/07/10 10:10 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:20	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-22 **Lab ID: 9273141014** Collected: 07/07/10 15:00 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:22	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-23 **Lab ID: 9273141015** Collected: 07/07/10 09:00 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:25	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: SW-3 **Lab ID: 9273141016** Collected: 07/07/10 15:35 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:27	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: SW-4R **Lab ID: 9273141017** Collected: 07/07/10 09:25 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:31	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: SW-5 **Lab ID: 9273141018** Collected: 07/07/10 14:45 Received: 07/09/10 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/12/10 13:55	07/15/10 11:38	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-6 **Lab ID: 9273141019** Collected: 07/12/10 16:30 Received: 07/13/10 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/22/10 09:45	07/22/10 16:32	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-13 **Lab ID: 9273141020** Collected: 07/12/10 15:00 Received: 07/13/10 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/22/10 09:45	07/22/10 16:37	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-24 **Lab ID: 9273141021** Collected: 07/12/10 10:46 Received: 07/13/10 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/22/10 09:45	07/22/10 16:40	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-25 **Lab ID: 9273141022** Collected: 07/12/10 12:15 Received: 07/13/10 11:06 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/22/10 09:45	07/22/10 16:42	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-5 **Lab ID: 9273141023** Collected: 07/13/10 17:25 Received: 07/14/10 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-7 **Lab ID: 9273141024** Collected: 07/13/10 11:00 Received: 07/14/10 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-12 **Lab ID: 9273141025** Collected: 07/13/10 12:30 Received: 07/14/10 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-12D **Lab ID: 9273141026** Collected: 07/13/10 15:30 Received: 07/14/10 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-27 **Lab ID: 9273141027** Collected: 07/13/10 09:40 Received: 07/14/10 17:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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

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

ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-3 **Lab ID: 9273141028** Collected: 07/14/10 16:00 Received: 07/15/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-11 **Lab ID: 9273141029** Collected: 07/14/10 12:35 Received: 07/15/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-16 **Lab ID: 9273141030** Collected: 07/14/10 10:50 Received: 07/15/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.20**	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

Sample: MW-26 **Lab ID: 9273141031** Collected: 07/14/10 09:00 Received: 07/15/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	

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Huntersville, NC 28078
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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

QC Batch: MERP/2899 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9273141001, 9273141002, 9273141003, 9273141004, 9273141005, 9273141006, 9273141007, 9273141008, 9273141009, 9273141010, 9273141011, 9273141012, 9273141013, 9273141014, 9273141015, 9273141016, 9273141017, 9273141018

METHOD BLANK: 467523 Matrix: Water
Associated Lab Samples: 9273141001, 9273141002, 9273141003, 9273141004, 9273141005, 9273141006, 9273141007, 9273141008, 9273141009, 9273141010, 9273141011, 9273141012, 9273141013, 9273141014, 9273141015, 9273141016, 9273141017, 9273141018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/15/10 10:24	

LABORATORY CONTROL SAMPLE: 467524

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	105	80-120	

MATRIX SPIKE SAMPLE: 467525

Parameter	Units	9273141001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.4	57	75-125	M0

SAMPLE DUPLICATE: 467526

Parameter	Units	9273141002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.58	0.60	4	25	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

QC Batch: MERP/2911 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9273141019, 9273141020, 9273141021, 9273141022

METHOD BLANK: 471690 Matrix: Water
Associated Lab Samples: 9273141019, 9273141020, 9273141021, 9273141022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/22/10 16:18	

LABORATORY CONTROL SAMPLE: 471691

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

MATRIX SPIKE SAMPLE: 471692

Parameter	Units	9273233001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	98	75-125	

SAMPLE DUPLICATE: 471693

Parameter	Units	9273141019 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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

QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

QC Batch: MERP/2919 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9273141023, 9273141024, 9273141025, 9273141026, 9273141027, 9273141028, 9273141029, 9273141030, 9273141031

METHOD BLANK: 474464 Matrix: Water
Associated Lab Samples: 9273141023, 9273141024, 9273141025, 9273141026, 9273141027, 9273141028, 9273141029, 9273141030, 9273141031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/29/10 12:46	

LABORATORY CONTROL SAMPLE: 474465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	96	80-120	

MATRIX SPIKE SAMPLE: 474466

Parameter	Units	9273141023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.4	55	75-125	M0

SAMPLE DUPLICATE: 474467

Parameter	Units	9273141024 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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

QUALIFIERS

Project: ALEXANDER MSWLF-HG
Pace Project No.: 9273141

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.

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

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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Partial Submittal. Combine w/ others to be submitted Later for 1 Report

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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.

1379601

Page: 1 of 2

1380740

Section A Required Client Information:

Company: Municipal Engineering Services
Address: PO Box 97
Gainer 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:
Purchase Order No.:
Project Name: Alexander MSWLF- Hg
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

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

Requested Analysis Filtered (Y/N): Y/N 2

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: Mercury	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92731 41
1	MW-1	WT	G			7/8/10	11:50		1			1						✓	N	001
2	MW-1B					7/7/10	4:30													002
3	MW-2					7/8/10	1:10													003
4	MW-4R					7/8/10	2:00													004
5	MW-9					7/7/10	5:30													005
6	MW-10					7/7/10	2:20													006
7	MW-14					7/8/10	11:00													007
8	MW-15					7/8/10	10:00													008
9	MW-17					7/7/10	12:25													009
10	MW-18					7/8/10	3:10													010
11	MW-19					7/7/10	11:50													011
12	MW-20					7/7/10	11:00													012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] /MESCO	7/9/10	8:52	[signature]	7/9/10	8:52	
	[signature]	7/9/10	14:35	[signature]	7/9/10	14:35	3.8 yes no yes

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jonathan Pfohl
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/8/10

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.

Partial. Others will Follow.

1380740

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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: 2 of 2

1379601

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:
Purchase Order No.:
Project Name: Alexander MSWLF - Hg
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): 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: Mercury	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-21	WT	G			7/7/10	10:10		1			1						✓	N	0173141 013
2	MW-22						3:00													014
3	MW-23						9:00													015
4	SW-3						3:35													016
5	SW-4R						9:25													017
6	SW-5						2:45													018
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MESCO	7/9/10	8:52	Pace	7/9/10	8:52				
	Pace	7/9/10	14:35	[illegible]	7/9/10	14:35	3.8	yes	—	yes

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 7/9/10

*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 #** 9273141

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.: 3.6 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: GMM 7/9/10

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 7/9/10

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)

Partial submittal combine w/ previously submitted #380740 & others later.

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Page: 1 of 1

1379600

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:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF - Hg
Project Number:

Section C Invoice Information:

Attention: See A
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #: 2103-9

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): Y/N; Analysis Test: Mercury

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 (Mercury)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-6	WT	G			7/13/10	4:30		1			1						✓	N	0273141 019
2	MW-13						3:00													020
3	MW-24						10:40													021
4	MW-25						12:15													022
5																				
6																				
7	~~MW-18 (submitted 7/9/10 1379506)~~	~~WT~~	~~G~~			~~7/9/10~~	~~3:1~~													
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	MESCO	7/13/10	6:30AM	Pace	7/13/10	6:30
	Pace	7/13/10	11:06	Simone Pace	7/13/10	1106

SAMPLE CONDITIONS

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Pfohl

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 7/13/10

*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: Munci Project # 9273141

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.: 3.6 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: M 7/13

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 7/13/10

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)

Partial Submittal Combine w/ previously submitted 1380740 & 1379600 in addition to others Later.

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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

1379209

Section A Required Client Information:

Company: Municipal Engineering Services
Address: PO Box 97
Garner NC 27529
Email To: jpfahl@mesco.com
Phone: (919) 772-5313 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jonathan Pfahl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF - Hg
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): 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: Mercury	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-5	WT	G			7/13/10	5:25		1			1						✓	N	9273141
2	MW-7	↓	↓			↓	11:00		↓			↓						↓	↓	9273141/023
3	MW-12	↓	↓			↓	12:30		↓			↓						↓	↓	024
4	MW-12D	↓	↓			↓	3:30		↓			↓						↓	↓	025
5	MW-27	↓	↓			↓	9:40		↓			↓						↓	↓	026
6																			↓	027
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MESCO	7/14/10	5:25 AM	Pace	7/14/10	535				
	Pace	7/14/10	1710	pace cll MESCO	7/14/10	1710	4.0	Y	n	Y

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

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jon Pfahl
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 7/13/10

*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 # 9273141

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

Temp Correction Factor: Add / Subtract _____ 0 C

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

Date and Initials of person examining contents: JMM 7-14-10

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: JM 7/14	☑Yes	☑No	☐N/A	12. no id for Mercury sample MW-27 but date and time match
-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: _____

Project Manager Review: [signature] **Date:** 7/15/10

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)

Final Submittal. Add previous chains for 1 Report

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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

1376210

Section A Required Client Information:

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

Section B Required Project Information:

Report To: Jon Pfohl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF - Hg
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

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): Mercury	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-3	WT	G			7/14/10	4:00		1			1						J		028
2	MW-11	↓	↓			↓	12:35		↓			↓						J		029
3	MW-16	↓	↓			↓	10:50		↓			↓						J		030
4	MW-26	↓	↓			↓	9:00		↓			↓						J		031
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	MESCL	7/15/10	9:45	Pace	7/15/10	945				
	Pace	7/15/10	1150	Pace	7/15/10	1150	3.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 7/14

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

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

Sample Condition Upon Receipt

Pace Analytical

Client Name: Municipal Engineering Project # 9273141

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: 7/15/10

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: 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: _____

Project Manager Review: [signature] **Date:** 7/15/10

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

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

August 27, 2010

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

RE: Project: ALEXANDER-HG
Pace Project No.: 9275553

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2010. 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.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: ALEXANDER-HG
Pace Project No.: 9275553

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

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(704)875-9092

SAMPLE SUMMARY

Project: ALEXANDER-HG
Pace Project No.: 9275553

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9275553001	**MW-15**	Water	08/12/10 09:50	08/13/10 15:50

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SAMPLE ANALYTE COUNT

Project: ALEXANDER-HG
Pace Project No.: 9275553

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9275553001	**MW-15**	EPA 7470	SHB	1	PASI-A
		SM 4500-Cl-E	DMN	1	PASI-A

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ANALYTICAL RESULTS

Project: ALEXANDER-HG
Pace Project No.: 9275553

Sample: MW-15 **Lab ID: 9275553001** Collected: 08/12/10 09:50 Received: 08/13/10 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.62**	ug/L	0.20	0.070	1	08/24/10 17:20	08/26/10 10:36	7439-97-6	
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	ND	ug/L	5000	5000	1		08/20/10 20:52	16887-00-6	

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QUALITY CONTROL DATA

Project: ALEXANDER-HG
Pace Project No.: 9275553

QC Batch: MERP/2968
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 9275553001

METHOD BLANK: 486926
Matrix: Water
Associated Lab Samples: 9275553001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/26/10 10:36	

LABORATORY CONTROL SAMPLE: 486927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	109	80-120	

MATRIX SPIKE SAMPLE: 486928

Parameter	Units	9275214009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.6	106	75-125	

SAMPLE DUPLICATE: 486929

Parameter	Units	9275214010 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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(704)875-9092

QUALITY CONTROL DATA

Project: ALEXANDER-HG
Pace Project No.: 9275553

QC Batch: WETA/7994
QC Batch Method: SM 4500-Cl-E
Analysis Method: SM 4500-Cl-E
Analysis Description: 4500 Chloride
Associated Lab Samples: 9275553001

METHOD BLANK: 486745
Matrix: Water
Associated Lab Samples: 9275553001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	5000	08/20/10 20:47	

LABORATORY CONTROL SAMPLE: 486746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	20000	19700	99	90-110	

MATRIX SPIKE SAMPLE: 486747

Parameter	Units	9275214001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	16.0 mg/L	20000	34600	93	75-125	

MATRIX SPIKE SAMPLE: 486749

Parameter	Units	9275214002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	ND	20000	22300	100	75-125	

SAMPLE DUPLICATE: 486748

Parameter	Units	9275214001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	ug/L	16.0 mg/L	15400	3	20	

SAMPLE DUPLICATE: 486750

Parameter	Units	9275214002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	ug/L	ND	ND		20	D7

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

QUALIFIERS

Project: ALEXANDER-HG
Pace Project No.: 9275553

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.

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

ANALYTE QUALIFIERS

D7	The sample and/or duplicate results for this parameter are less than the reporting limit, calculations are based on estimated values and may be statistically unreliable.

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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.

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:
Requested Due Date/TAT: Std.

Section B Required Project Information:

Report To: Jonathan Pfohl
Copy To:
Purchase Order No.:
Project Name: Alexander - Hg
Project Number:

Section C Invoice Information:

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

Page: of

1378456

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)

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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Chloride	Analysis Test (Y/N): Hg - Ultra Level	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-15	WT	G	8/12/10	9:50				2	1		1									9275553 001
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
verification Resample event	[signature]	8-13-10	10:04	[signature]	8-13-10	1004				
	[signature]	8-13-10	1550	Jmale / Pace	8/13	1550	5.3	4	N	4

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

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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Asheville, NC 28804
(828)254-7176

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

July 30, 2010

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

RE: Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Dear Mr. Pfohl:
Enclosed are the analytical results for sample(s) received by the laboratory on July 15, 2010. 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.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

CERTIFICATIONS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

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

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

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SAMPLE SUMMARY

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9273513001	**EB**	Water	07/14/10 17:00	07/15/10 11:50
9273513002	**FB**	Water	07/14/10 16:55	07/15/10 11:50
9273513003	**TB**	Water	07/14/10 00:00	07/15/10 11:50

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SAMPLE ANALYTE COUNT

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9273513001	**EB**	EPA 6010	JMW	15	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9273513002	**FB**	EPA 8260	MCK	52	PASI-C
9273513003	**TB**	EPA 8260	MCK	52	PASI-C

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Sample: EB **Lab ID: 9273513001** Collected: 07/14/10 17:00 Received: 07/15/10 11:50 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	07/16/10 11:30	07/17/10 02:10	7440-36-0	
Arsenic	ND	ug/L	10.0	2.7	1	07/16/10 11:30	07/17/10 02:10	7440-38-2	
Barium	ND	ug/L	100	0.20	1	07/16/10 11:30	07/17/10 02:10	7440-39-3	
Beryllium	ND	ug/L	1.0	0.10	1	07/16/10 11:30	07/17/10 02:10	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	07/16/10 11:30	07/17/10 02:10	7440-43-9	
Chromium	ND	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:10	7440-47-3	
Cobalt	ND	ug/L	10.0	0.60	1	07/16/10 11:30	07/17/10 02:10	7440-48-4	
Copper	**0.49J**	ug/L	10.0	0.30	1	07/16/10 11:30	07/17/10 02:10	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	07/16/10 11:30	07/17/10 02:10	7439-92-1	
Nickel	ND	ug/L	50.0	1.7	1	07/16/10 11:30	07/17/10 02:10	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	07/16/10 11:30	07/17/10 02:10	7782-49-2	
Silver	ND	ug/L	10.0	0.10	1	07/16/10 11:30	07/17/10 02:10	7440-22-4	
Thallium	ND	ug/L	5.5	3.0	1	07/16/10 11:30	07/17/10 02:10	7440-28-0	
Vanadium	ND	ug/L	25.0	0.20	1	07/16/10 11:30	07/17/10 02:10	7440-62-2	
Zinc	**1.7J**	ug/L	10.0	0.40	1	07/16/10 11:30	07/17/10 02:10	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.082J**	ug/L	0.20	0.070	1	07/28/10 15:20	07/29/10 12:46	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	2.2	1		07/20/10 16:24	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 16:24	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 16:24	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 16:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 16:24	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 16:24	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 16:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 16:24	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 16:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 16:24	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 16:24	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 16:24	75-00-3	
Chloroform	**0.20J**	ug/L	5.0	0.14	1		07/20/10 16:24	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 16:24	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 16:24	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 16:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 16:24	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 16:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 16:24	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 16:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 16:24	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 16:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 16:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 16:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 16:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 16:24	156-60-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Sample: EB **Lab ID: 9273513001** Collected: 07/14/10 17:00 Received: 07/15/10 11:50 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		07/20/10 16:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 16:24	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 16:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		07/20/10 16:24	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 16:24	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 16:24	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 16:24	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 16:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 16:24	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 16:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 16:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 16:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 16:24	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 16:24	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 16:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 16:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 16:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 16:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 16:24	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 16:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 16:24	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 16:24	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-130		1		07/20/10 16:24	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/20/10 16:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		07/20/10 16:24	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/20/10 16:24	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Sample: FB **Lab ID: 9273513002** Collected: 07/14/10 16:55 Received: 07/15/10 11:50 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		07/20/10 16:50	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 16:50	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 16:50	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 16:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 16:50	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 16:50	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 16:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 16:50	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 16:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 16:50	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 16:50	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 16:50	75-00-3	
Chloroform	ND	ug/L	5.0	0.14	1		07/20/10 16:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/20/10 16:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 16:50	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 16:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 16:50	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 16:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 16:50	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 16:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 16:50	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 16:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 16:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 16:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 16:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 16:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 16:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 16:50	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 16:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		07/20/10 16:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 16:50	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 16:50	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 16:50	74-88-4	
Methylene Chloride	ND	ug/L	1.0	0.97	1		07/20/10 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 16:50	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 16:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 16:50	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 16:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 16:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 16:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 16:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 16:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 16:50	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 16:50	108-05-4	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Sample: FB **Lab ID: 9273513002** Collected: 07/14/10 16:55 Received: 07/15/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 16:50	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 16:50	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/20/10 16:50	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		07/20/10 16:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		07/20/10 16:50	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/20/10 16:50	2037-26-5	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Sample: TB **Lab ID: 9273513003** Collected: 07/14/10 00:00 Received: 07/15/10 11:50 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		07/20/10 17:16	67-64-1	
Acrylonitrile	ND	ug/L	200	1.9	1		07/20/10 17:16	107-13-1	
Benzene	ND	ug/L	1.0	0.25	1		07/20/10 17:16	71-43-2	
Bromochloromethane	ND	ug/L	3.0	0.17	1		07/20/10 17:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/20/10 17:16	75-27-4	
Bromoform	ND	ug/L	3.0	0.26	1		07/20/10 17:16	75-25-2	
Bromomethane	ND	ug/L	10.0	0.29	1		07/20/10 17:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	0.96	1		07/20/10 17:16	78-93-3	
Carbon disulfide	ND	ug/L	100	1.2	1		07/20/10 17:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/20/10 17:16	56-23-5	
Chlorobenzene	ND	ug/L	3.0	0.23	1		07/20/10 17:16	108-90-7	
Chloroethane	ND	ug/L	10.0	0.54	1		07/20/10 17:16	75-00-3	
Chloroform	**0.18J**	ug/L	5.0	0.14	1		07/20/10 17:16	67-66-3	
Chloromethane	**0.16J**	ug/L	1.0	0.11	1		07/20/10 17:16	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	13.0	2.5	1		07/20/10 17:16	96-12-8	
Dibromochloromethane	ND	ug/L	3.0	0.21	1		07/20/10 17:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/20/10 17:16	106-93-4	
Dibromomethane	ND	ug/L	10.0	0.21	1		07/20/10 17:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	0.30	1		07/20/10 17:16	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/20/10 17:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1.0	1		07/20/10 17:16	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	0.32	1		07/20/10 17:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/20/10 17:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	0.56	1		07/20/10 17:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	0.19	1		07/20/10 17:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	0.49	1		07/20/10 17:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/20/10 17:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/20/10 17:16	142-28-9	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		07/20/10 17:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		07/20/10 17:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/20/10 17:16	100-41-4	
2-Hexanone	ND	ug/L	50.0	0.46	1		07/20/10 17:16	591-78-6	
Iodomethane	ND	ug/L	10.0	0.32	1		07/20/10 17:16	74-88-4	
Methylene Chloride	**2.9**	ug/L	1.0	0.97	1		07/20/10 17:16	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	0.33	1		07/20/10 17:16	108-10-1	
Styrene	ND	ug/L	1.0	0.26	1		07/20/10 17:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	0.33	1		07/20/10 17:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	3.0	0.40	1		07/20/10 17:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/20/10 17:16	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/20/10 17:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/20/10 17:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/20/10 17:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/20/10 17:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/20/10 17:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/20/10 17:16	96-18-4	
Vinyl acetate	ND	ug/L	50.0	0.35	1		07/20/10 17:16	108-05-4	

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ANALYTICAL RESULTS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

Sample: TB **Lab ID: 9273513003** Collected: 07/14/10 00:00 Received: 07/15/10 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/20/10 17:16	75-01-4	
Xylene (Total)	ND	ug/L	5.0	0.66	1		07/20/10 17:16	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/20/10 17:16	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/20/10 17:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		07/20/10 17:16	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/20/10 17:16	2037-26-5	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

QC Batch: MPRP/6685
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9273513001

METHOD BLANK: 469676
Matrix: Water
Associated Lab Samples: 9273513001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	07/17/10 01:31	
Arsenic	ug/L	ND	10.0	07/17/10 01:31	
Barium	ug/L	ND	100	07/17/10 01:31	
Beryllium	ug/L	ND	1.0	07/17/10 01:31	
Cadmium	ug/L	ND	1.0	07/17/10 01:31	
Chromium	ug/L	ND	10.0	07/17/10 01:31	
Cobalt	ug/L	ND	10.0	07/17/10 01:31	
Copper	ug/L	0.36J	10.0	07/17/10 01:31	
Lead	ug/L	ND	10.0	07/17/10 01:31	
Nickel	ug/L	ND	50.0	07/17/10 01:31	
Selenium	ug/L	ND	10.0	07/17/10 01:31	
Silver	ug/L	ND	10.0	07/17/10 01:31	
Thallium	ug/L	ND	5.5	07/17/10 01:31	
Vanadium	ug/L	ND	25.0	07/17/10 01:31	
Zinc	ug/L	2.0J	10.0	07/17/10 01:31	

LABORATORY CONTROL SAMPLE: 469677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	500	100	80-120	
Arsenic	ug/L	500	512	102	80-120	
Barium	ug/L	500	505	101	80-120	
Beryllium	ug/L	500	511	102	80-120	
Cadmium	ug/L	500	507	101	80-120	
Chromium	ug/L	500	513	103	80-120	
Cobalt	ug/L	500	508	102	80-120	
Copper	ug/L	500	512	102	80-120	
Lead	ug/L	500	504	101	80-120	
Nickel	ug/L	500	506	101	80-120	
Selenium	ug/L	500	506	101	80-120	
Silver	ug/L	250	250	100	80-120	
Thallium	ug/L	500	507	101	80-120	
Vanadium	ug/L	500	514	103	80-120	
Zinc	ug/L	500	507	101	80-120	

MATRIX SPIKE SAMPLE: 469678

Parameter	Units	9273125010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	515	103	75-125	
Arsenic	ug/L	ND	500	527	105	75-125	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

MATRIX SPIKE SAMPLE: 469678

Parameter	Units	9273125010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	59.5J	500	569	102	75-125	
Beryllium	ug/L	ND	500	523	105	75-125	
Cadmium	ug/L	ND	500	509	102	75-125	
Chromium	ug/L	0.88J	500	514	103	75-125	
Cobalt	ug/L	ND	500	505	101	75-125	
Copper	ug/L	ND	500	522	104	75-125	
Lead	ug/L	ND	500	504	101	75-125	
Nickel	ug/L	10.0J	500	512	100	75-125	
Selenium	ug/L	ND	500	519	104	75-125	
Silver	ug/L	ND	250	255	102	75-125	
Thallium	ug/L	41.4	500	515	95	75-125	
Vanadium	ug/L	ND	500	523	105	75-125	
Zinc	ug/L	38.6	500	553	103	75-125	

SAMPLE DUPLICATE: 469680

Parameter	Units	9273125010 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		25	
Arsenic	ug/L	ND	ND		25	
Barium	ug/L	59.5J	38.6J	43	25	R1
Beryllium	ug/L	ND	ND		25	
Cadmium	ug/L	ND	ND		25	
Chromium	ug/L	0.88J	ND		25	
Cobalt	ug/L	ND	18.1		25	
Copper	ug/L	ND	ND		25	
Lead	ug/L	ND	ND		25	
Nickel	ug/L	10.0J	10.6J	6	25	
Selenium	ug/L	ND	ND		25	
Silver	ug/L	ND	ND		25	
Thallium	ug/L	41.4	ND		25	
Vanadium	ug/L	ND	0.43J		25	
Zinc	ug/L	38.6	0.49J		25	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

QC Batch: MERP/2919
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 9273513001

METHOD BLANK: 474464
Matrix: Water
Associated Lab Samples: 9273513001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/29/10 12:46	

LABORATORY CONTROL SAMPLE: 474465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	96	80-120	

MATRIX SPIKE SAMPLE: 474466

Parameter	Units	9273141023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.4	55	75-125	M0

SAMPLE DUPLICATE: 474467

Parameter	Units	9273141024 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

QC Batch: MSV/11621 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9273513001, 9273513002, 9273513003

METHOD BLANK: 471124 Matrix: Water
Associated Lab Samples: 9273513001, 9273513002, 9273513003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/20/10 12:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/20/10 12:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	07/20/10 12:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/20/10 12:09	
1,1-Dichloroethane	ug/L	ND	5.0	07/20/10 12:09	
1,1-Dichloroethene	ug/L	ND	5.0	07/20/10 12:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/20/10 12:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	07/20/10 12:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/20/10 12:09	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/20/10 12:09	
1,2-Dichloroethane	ug/L	ND	1.0	07/20/10 12:09	
1,2-Dichloropropane	ug/L	ND	1.0	07/20/10 12:09	
1,3-Dichloropropane	ug/L	ND	1.0	07/20/10 12:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/20/10 12:09	
2-Butanone (MEK)	ug/L	ND	100	07/20/10 12:09	
2-Hexanone	ug/L	ND	50.0	07/20/10 12:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	07/20/10 12:09	
Acetone	ug/L	ND	100	07/20/10 12:09	
Acrylonitrile	ug/L	ND	200	07/20/10 12:09	
Benzene	ug/L	ND	1.0	07/20/10 12:09	
Bromochloromethane	ug/L	ND	3.0	07/20/10 12:09	
Bromodichloromethane	ug/L	ND	1.0	07/20/10 12:09	
Bromoform	ug/L	ND	3.0	07/20/10 12:09	
Bromomethane	ug/L	ND	10.0	07/20/10 12:09	
Carbon disulfide	ug/L	ND	100	07/20/10 12:09	
Carbon tetrachloride	ug/L	ND	1.0	07/20/10 12:09	
Chlorobenzene	ug/L	ND	3.0	07/20/10 12:09	
Chloroethane	ug/L	ND	10.0	07/20/10 12:09	
Chloroform	ug/L	ND	5.0	07/20/10 12:09	
Chloromethane	ug/L	ND	1.0	07/20/10 12:09	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/20/10 12:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/20/10 12:09	
Dibromochloromethane	ug/L	ND	3.0	07/20/10 12:09	
Dibromomethane	ug/L	ND	10.0	07/20/10 12:09	
Ethylbenzene	ug/L	ND	1.0	07/20/10 12:09	
Iodomethane	ug/L	ND	10.0	07/20/10 12:09	
Methylene Chloride	ug/L	ND	1.0	07/20/10 12:09	
Styrene	ug/L	ND	1.0	07/20/10 12:09	
Tetrachloroethene	ug/L	ND	1.0	07/20/10 12:09	
Toluene	ug/L	ND	1.0	07/20/10 12:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/20/10 12:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/20/10 12:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/20/10 12:09	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

METHOD BLANK: 471124 Matrix: Water

Associated Lab Samples: 9273513001, 9273513002, 9273513003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	1.0	07/20/10 12:09	
Trichlorofluoromethane	ug/L	ND	1.0	07/20/10 12:09	
Vinyl acetate	ug/L	ND	50.0	07/20/10 12:09	
Vinyl chloride	ug/L	ND	1.0	07/20/10 12:09	
Xylene (Total)	ug/L	ND	5.0	07/20/10 12:09	
1,2-Dichloroethane-d4 (S)	%	107	70-130	07/20/10 12:09	
4-Bromofluorobenzene (S)	%	98	70-130	07/20/10 12:09	
Dibromofluoromethane (S)	%	106	70-130	07/20/10 12:09	
Toluene-d8 (S)	%	101	70-130	07/20/10 12:09	

LABORATORY CONTROL SAMPLE: 471125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.7	101	70-130	
1,1,1-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.7	99	70-130	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	46.9	94	70-130	
1,1-Dichloroethene	ug/L	50	52.3	105	70-132	
1,2,3-Trichloropropane	ug/L	50	44.5	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.4	103	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	70-130	
1,2-Dichlorobenzene	ug/L	50	47.7	95	70-130	
1,2-Dichloroethane	ug/L	50	49.4	99	70-130	
1,2-Dichloropropane	ug/L	50	46.1	92	70-130	
1,3-Dichloropropane	ug/L	50	46.3	93	70-130	
1,4-Dichlorobenzene	ug/L	50	46.4	93	70-130	
2-Butanone (MEK)	ug/L	100	113	113	70-145	
2-Hexanone	ug/L	100	108	108	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	70-140	
Acetone	ug/L	100	119	119	50-175	
Acrylonitrile	ug/L	250	258	103	70-143	
Benzene	ug/L	50	45.8	92	70-130	
Bromochloromethane	ug/L	50	47.0	94	70-130	
Bromodichloromethane	ug/L	50	47.2	94	70-130	
Bromoform	ug/L	50	50.1	100	70-130	
Bromomethane	ug/L	50	53.8	108	54-130	
Carbon disulfide	ug/L	50	51.1J	102	70-131	
Carbon tetrachloride	ug/L	50	47.6	95	70-132	
Chlorobenzene	ug/L	50	46.8	94	70-130	
Chloroethane	ug/L	50	51.2	102	64-134	
Chloroform	ug/L	50	45.8	92	70-130	
Chloromethane	ug/L	50	46.8	94	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	70-130	

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QUALITY CONTROL DATA

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

LABORATORY CONTROL SAMPLE: 471125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	47.9	96	70-130	
Dibromomethane	ug/L	50	47.4	95	70-131	
Ethylbenzene	ug/L	50	48.0	96	70-130	
Iodomethane	ug/L	100	104	104	49-180	
Methylene Chloride	ug/L	50	52.4	105	63-130	
Styrene	ug/L	50	50.2	100	70-130	
Tetrachloroethene	ug/L	50	47.5	95	70-130	
Toluene	ug/L	50	47.1	94	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.8J	112	70-141	
Trichloroethene	ug/L	50	47.8	96	70-130	
Trichlorofluoromethane	ug/L	50	48.2	96	62-133	
Vinyl acetate	ug/L	100	97.4	97	66-157	
Vinyl chloride	ug/L	50	47.2	94	69-130	
Xylene (Total)	ug/L	150	151	100	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 471126 471127

Parameter	Units	9273611006 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	58.5	57.0	117	114	70-166	3	30	
Benzene	ug/L	4.1	50	50	56.4	55.4	105	103	70-148	2	30	
Chlorobenzene	ug/L	0.93J	50	50	54.0	51.9	106	102	70-146	4	30	
Toluene	ug/L	ND	50	50	53.7	53.1	107	106	70-155	1	30	
Trichloroethene	ug/L	1.2	50	50	53.1	50.9	104	99	69-151	4	30	
1,2-Dichloroethane-d4 (S)	%						108	113	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Dibromofluoromethane (S)	%						104	107	70-130			
Toluene-d8 (S)	%						101	102	70-130			

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QUALIFIERS

Project: ALEXANDER MSWLF-BLANKS
Pace Project No.: 9273513

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.

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

C9	Common Laboratory Contaminant.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

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

Final & only submittal for this project

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1376209

Section A Required Client Information:

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

Section B Required Project Information:

Report To: Jonathan Pfahl
Copy To:
Purchase Order No.:
Project Name: Alexander MSWLF - Blanks
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	Metals - App I	Mercury	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EB	WT	G			7/14/10	5:00		5			2	3						✓	✓	✓	N	001
2	FB	↓	↓			7/14/10	4:55		3				3						✓				002
3	TB					Pace Filled			2				2						✓				003
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Requested Analysis Filtered (Y/N): N →

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
EB - Pace provided DI water &	MESCO	7/15/10	945	Pace	7/15/10	945				
Sink Fast Disposable Bailer	Pace	7/15/10	1150	Pace	7/15/10	1150	3.0	Y	N	Y
FB - Pace DI H2O										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Pfahl

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 7/14/10

*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 Project # 9273513

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: 7/15/10

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: 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: _____

Project Manager Review: [signature] **Date:** 7/15/10

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)

Sampling Data Sheet

Municipal Services Engineering Company
Garner, NC Boone, NC

Project: Alexander Co Closed C&D over Closed MSWLF (DM)

Samplers: J. Pfohl Page 1 of 1

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static Sample Time	Order of Expected VOCs 1 Worst 7/7/10	Volume Purged (Gal)	Sample Type	Goes Dry During Purge	Total Depth Measured as expected	Total Depth Expected	Water Quality Parameters: CO2 (mg/l)	DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity	CH4 Gas Vapors	WLR (BTOP) Static 7/7/10
MW-1	7/8/10	11:50	36.04	36.049	1.5	DB	Y	Y	40	NR	0.6	-37	6.75	16.7	537	288	38.1 ST	NR	36.04
MW-1A	NS	—	DRY	C	—	—	—	—	48.5		—	~~521~~	~~5.45~~	~~15.5~~	~~73~~	~~37~~	—		
MW-1B	7/7/10	4:30	43.02	14	7	P&DB	N	Y	61		0.8	521	5.45	15.5	73	37	8.99c		
MW-2	7/8/10	1:10	25.15	25.157	4	DB	Y	Y	30		0.7	-111	6.91	16.6	673	338	14.8c		25.15
MW-4R	7/8/10	2:00	15.88	15.884	3	P&DB	N	Y	21.5		1.1	-44	6.71	16.0	487	244	8.71c		15.87
MW-9	7/7/10	5:30	12.54	13	8	P&DB	N	Y	31.5		0.6	98	6.98	15.0	651	326	16.3c		
MW-10	7/7/10	2:20	37.32	C	28	P&DB	Y	Y	91		0.9	-81	7.40	15.8	323	168	8.91c		
MW-14	7/8/10	11:00	39.05	39.0611	2	DB	Y	Y	40.5		1.2	26	6.31	15.7	662	317	23.2c		39.04
MW-15	7/8/10	10:00	24.50	24.5112	6	DB	Y	Y	35		0.2	96	6.63	15.3	203	101	10.3c		24.49
MW-17	7/7/10	12:25	16.00	C	3	DB	Y	Y	22.3		1.5	296	5.61	15.2	63	30	16.2c		
MW-19	7/7/10	11:50	49.95	C	6	P&DB	Y	Y	63.92		2.0	203	6.37	17.0	79	35	32.3c		
MW-20	7/7/10	11:00	38.92	C	14	P&DB	Y	Y	63.55		1.3	-63	6.45	16.0	54	24	8.93c		
MW-21	7/7/10	10:10	26.80	C	6	P&DB	N	Y	41.05		2.3	210	6.40	15.1	36	18	10.7c		
MW-22	7/7/10	3:00	14.83	16	3.5	P&DB	Y	Y	18.12		4.9	238	6.42	18.5	19	0	36.1c		
MW-23	7/7/10	9:00	17.40	C	5	P&DB	N	Y	21.54		5.0	146	7.01	18.6	139	61	32.3c		
SW-3	7/7/10	3:35	-	C	-	Dip	-	-	-		7.1	-3	7.06	22.3	103	51	c	-	
SW-4R	7/7/10	9:25	-	C	-	Dip	-	-	-		7.2	89	7.01	21.3	83	40	c	-	
SW-5	7/7/10	2:45	-	C	-	Dip	-	-	-		6.9	-2	6.98	22.0	149	73	C	-	

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 — Gastonia, NC — Boone, NC

Project: Alexander Co Closed C&D over Closed MSWLF (DM & MNA)

Samplers: J. Pfohl Page 1 of 1

Monitoring Point	Sample Date	Sample Time	Sampling Parameters: Depth to Water (BTOP) Static (Sampling 7/17/10)	Order of Expected VOCs 1 Worst	Volume Purged (Gal)	Sample Type	Goes Dry During Purge	Total Depth Measured as expected	Total Depth Expected	Water Quality Parameters: CO2 (mg/l)	DO (mg/L)	ORP	pH	Temp. ©	Specific Cond. (us/cm	TDS (mg/L)	Turbidity	CH4 Gas Vapors
MW-3	7/14/10	4:00	25.70 25.62	1	3	P&DB	Y	Y	33	>100	0.2	-15	5.91	16.5	310	149	9.86c	NR
MW-5	7/13/10	5:25	41.31 41.31	8	5	P&DB	N	Y	49.1	>100	0.1	-72	6.88	16.3	352	176	17.2c	NR
MW-6	7/12/10	4:30	32.28 32.25	C	5	P&DB	Y	Y	42	>100	0.7	193	6.79	17.4	403	198	23.7c	NR
MW-7	7/13/10	11:00	40.94 40.94	15	4	P&DB	Y	Y	54	>100	0.3	-103	7.19	16.6	583	291	11.4c	NR
MW-11	7/14/10	12:35	41.62 41.62	Hose Replaced	10	P&DB	N	Y	56	>100	0.9	-3	6.70	17.9	290	145	8.31c	NR
MW-12	7/13/10	12:30	49.60	49.58 6	6	P&DB	N	Y	66.5	>100	0.2	55	6.03	17.3	177	87	9.32c	NR
MW-12D	7/13/10	3:30	57.22	57.24 C	21	P&DB	Y	Y	102.5	90	0.2	-107	7.11	19.7	791	380	11.3c	NR
MW-13	7/12/10	3:00	40.73	40.73 C	11	P&DB	Y	Y	60.5	>100	0.8	84	6.31	19.1	177	88	10.7c	NR
MW-16	7/14/10	10:50	30.44	30.40 3	8	P&DB	N	Y	40.25	>100	0.1	536	5.93	15.8	91	45	9.35c	NR
MW-18	7/8/10	3:10	49.98	49.98 C	3	P&DB	Y	Y	56.7	40	3.7	-86	6.89	18.5	38	19	146ST	NR
MW-24	7/12/10	10:40	29.05	29.03 C	4	P&DB	N	Y	35.35	90	3.1	397	6.03	17.5	206	102	10.7c	NR
MW-25	7/12/10	12:15	25.43	25.43 C	7	P&DB	Y	Y	44.48	90	1.1	138	6.29	16.9	163	77	10.2c	NR
MW-26	7/14/10	9:00	27.90	27.88 5	16	P&DB	N	Y	49.8	>100	1.0	21	6.49	16.6	336	168	13.3c	NR
MW-27	7/13/10	9:40	21.36	21.38 10	14	P&DB	N	Y	49.82	80	0.7	62	6.81	16.0	586	293	11.3c	NR
EB	7/14/10	5:00		VOCs, MEOHs														
FB	7/14/10	4:55		All VOCs														
TB	Pace Filled			VOCs														

Sink Fast Disposable Bailer Broke off in Bottom →

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

MW-12D Disposable weighted Sink Fast Baler Broke off in bottom of well due to elbow of plastic well failure. Top retained on Rope so Nothing to catch w/ fishing tools. will remain forever.

Semi-Annual Water Quality Monitoring Report

Prepared for

Alexander County Closed Unlined MSWLF and Active C&D Landfill
Taylorsville, North Carolina

July 2010

Permit Number: 02-01
MESCO Project Number: G10003.0

Submitted: October 4, 2010

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

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

TABLES

Table 1	Detections above SWSL, GWP, 2L, or 2B
Table 2	Hydrologic Properties
Table 3	Field Observations of Monitoring Locations
Table 4	Summary of Field Parameter Data

APPENDICIES

Appendix A	Laboratory Analysis Report, Chain of Custodies & Field Sampling Parameter Data Sheets

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

October 4, 2010

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 Monitoring Report
Alexander County Closed MSWLF and Active C&D Landfill
Permit No. 02-01
MESCO Project No. G10003.0

Dear Ms. Drummond:

Introduction

The Alexander County Active Construction and Demolition (C&D) Landfill over the Closed Unlined Municipal Solid Waste Landfill (MSWLF) located near Taylorsville, NC, currently operating under permit #02-01, is required to submit semi-annual water quality compliance reports as a condition of 15A NCAC 13B.0601. The closed MSWLF ceased operation prior to 1998 and the C&D landfill continues operation upon the closed MSWLF; they are treated as a single unit for overall continuity in reporting. This monitoring event was performed July 7-8 & 12-14, 2010 in accordance with the semi-annual monitoring schedule prescribed by the NC Solid Waste Section (SWS) rules/regulations. A verification sampling event for MW-15 was performed on August 12, 2010. A site location topographic map is depicted on the attached **Plate 1**.

The comprehensive monitoring program includes sampling locations as outlined in the approved Sampling and Analysis Plan (SAP) contained in the *Corrective Action Plan* (CAP) dated January 26, 2009. The entire facility currently has a total of 29 groundwater wells and 3 surface water sampling locations. This report includes a summary of sampling procedures, field and laboratory results, groundwater and surfacewater characterization, and findings. A detections table compared to accepted standards, a groundwater flow directions/rates table, a monitoring network field observations table, fa ield data results table, a single-day potentiometric map, quality assurance/quality control data, and laboratory analytical data results are also enclosed.

Sampling Procedure

Municipal Engineering Services Company, P.A. (MESCO) personnel performed this sampling event utilizing portable monitoring methodology in accordance with the approved, site specific SAP combining detection and assessment monitoring with specifically defined analysis. Detection monitoring was performed on 14 wells (MW-1, MW-1B, MW-2, MW-4R, MW-9, MW-10, MW-14, MW-15, MW-17, and MW-19 through MW-23) and three surface water points (SW-3, SW-4R, and SW-5). Corrective action monitoring was also performed on 14 wells (MW-3, MW-5, MW-6, MW-7, MW-11, MW-12, MW-12D, MW-13, MW-16, MW-24 through MW-27, and background well MW-18). Water samples were collected from monitoring locations contained within the SAP with the exception of MW-1A, which remains dry. Monitoring locations are depicted on the enclosed potentiometric map (**Plate 2**).

PO Box 97, Garner, North Carolina 27529 (919) 772-5393
PO Box 828, Morehead City, NC 28557 (252) 726-9481 PO Box 349, Boone, North Carolina 28607 (828) 262-1767

Sampling was conducted utilizing methodology outlined in the NCDENR SWS guidance document S*olid Waste Section Guidelines for Groundwater, Soil, and Surface Water Sampling* revised April 2008. The function and integrity of monitoring locations were visually evaluated, preventive maintenance performed, and documentation provided in the enclosed **Table 3**. The depth to water in each well was gaged with an electronic meter prior to purging to quantify the static water level. Low flow pumping methodology or baling was used to adequately purge the wells and samples were immediately procured via a disposable baler. The samples were placed in laboratory-prepared, pre-preserved containers, separated based on potential cross-contamination, kept upon ice, and transported to the laboratory under proper chain-of-custody (C-O-C) within the specified hold times for each analysis. Pace Analytical Laboratories (PACE) of Huntersville NC and their accredited subcontracted laboratories performed the laboratory analysis.

Field and Laboratory Results

Groundwater and surface water locations were analyzed for the Appendix I list of volatile organic compounds (VOCs) by EPA METHOD 8260B, total unfiltered metals via EPA METHOD 6010B/6020, and mercury via EPA METHOD 7470. Additionally, the assessment monitoring wells were analyzed in the laboratory for the suite of monitored natural attenuation (MNA) parameters as part of corrective action. The MNA analyses results will be discussed in a brief report to be submitted under separate cover. The field parameters were quantified for pH, specific conductance, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), total dissolved solids (TDS), dissolved CO_2, and turbidity. Quality control measures were also implemented during this event which included submittal and subsequent quantification of blanks.

Water samples were analyzed down to the laboratory-established Method Detection Limits (MDL) with reference to the values current as of the sampling event. Enclosed **Table 1** summarizes constituents detected within groundwater and surface water samples above the Solid Waste Section detection limit (SWSL), Groundwater Protection Standards (GWP), North Carolina Groundwater Standards (2L) or the North Carolina Surface Water Standards (2B). Effective January 1, 2010, 2L Standards were raised for ten constituents and lowered for ten constituents. A net effect of six less VOCs were detected above the 2L Standard from this data set following the change in 2L Standards (seven fall below and one rises above).

Enclosed **Table 4** consists of field parameter data, and it appears to be consistent relative to each other and congruent with data historically reported.

Three metals and one VOC were detected at estimated concentrations (<SWSL) within the field equipment blank (EB). A low concentration (<SWSL) of mercury was also detected within the laboratory method blank associated with all of the samples.

Chromium was detected in MW-5, MW-18 and MW-24 in exceedance of its 2L standard. In the ACM, Chromium's presence in surface water samples, background samples, and NURE sediment samples indicated that Chromium exceedance is considered naturally inherent.

The only Appendix I inorganic constituents (total metals) detected in exceedance of their respective 2L Standard, current as of the sampling event date, were cadmium in MW-2 and lead and nickel in MW-3. Mercury was detected in a sample collected from MW-15 in a concentration in exceedance of the 2L Standard. However, the results of a verification sample, taken from MW-15, approximately one month later yielded a non-quantifiable concentration of mercury indicating the original detection was likely artifact contamination and not originating from the landfill. Additionally, mercury was also detected within the laboratory method blank associated with MW-17, so the detection may be considered blank qualified.

No constituents were detected in the surface water samples in concentrations above their respective SWSL or 2B Standard.

VOCs in concentrations in exceedance of the 2L Standard, current as of the sampling event date, were found in samples taken from wells southeast (MW-4R, MW-5, MW-10, MW-16), south-central (MW-3, MW-11, MW-26), southwest (MW-7, MW-12, MW-24), northwest (MW-2, MW-14), north-central (MW-15) and northeast/hydraulically upgradient (MW-1, MW-1B) of the closed MSWLF. A site map showing VOC concentrations exceeding the 2L Standard current as of the sampling event are presented on **Plate 3**.

Groundwater and Surface Water Characterization

MESCO completed and enclosed the required single-day potentiometric map from a groundwater elevations recorded on July 7, 2010. Groundwater flow rates and directions were calculated based on this data and are included in the attached **Table 2**. Groundwater flow in the unconfined and upper bedrock water-bearing zones was calculated in a general westerly direction, with southwesterly and northwesterly flow away from the waste limits, with hydraulic gradients varying from approximately 0.01 to 0.55 feet/foot. Groundwater velocities calculated for wells screened within the unconfined and upper bedrock aquifers were highly variable, ranging from 3 ft/yr (MW-5) to 9,487 ft/yr. (MW-24), with an average of 847 ft/yr and a median of 78 ft/yr. Streams located on the facility were visually observed to be of normal volume, flow rate and low turbidity. The flow directions and gradients are consistent with

historical observations, showing no changes that would result in a different interpretation of the groundwater system or hinder the effectiveness of the current monitoring network.

Findings

The semi-annual laboratory results indicate that dissolved phase VOCs consisting of primarily hydrocarbons and a few chlorinated solvents were present within groundwater samples collected in relatively close proximity to the closed landfill waste limits.

Closing

The facility will continue monitoring and is tentatively scheduled to be sampled again in December 2010. If you have any questions or comments regarding this report, please contact us at (919) 772-5393 or by email at jpfohl@mesco.com.

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

Jonathan Pfohl
Environmental Specialist

Mark Brown, LG, PG
Senior Professional Geologist

Enclosures

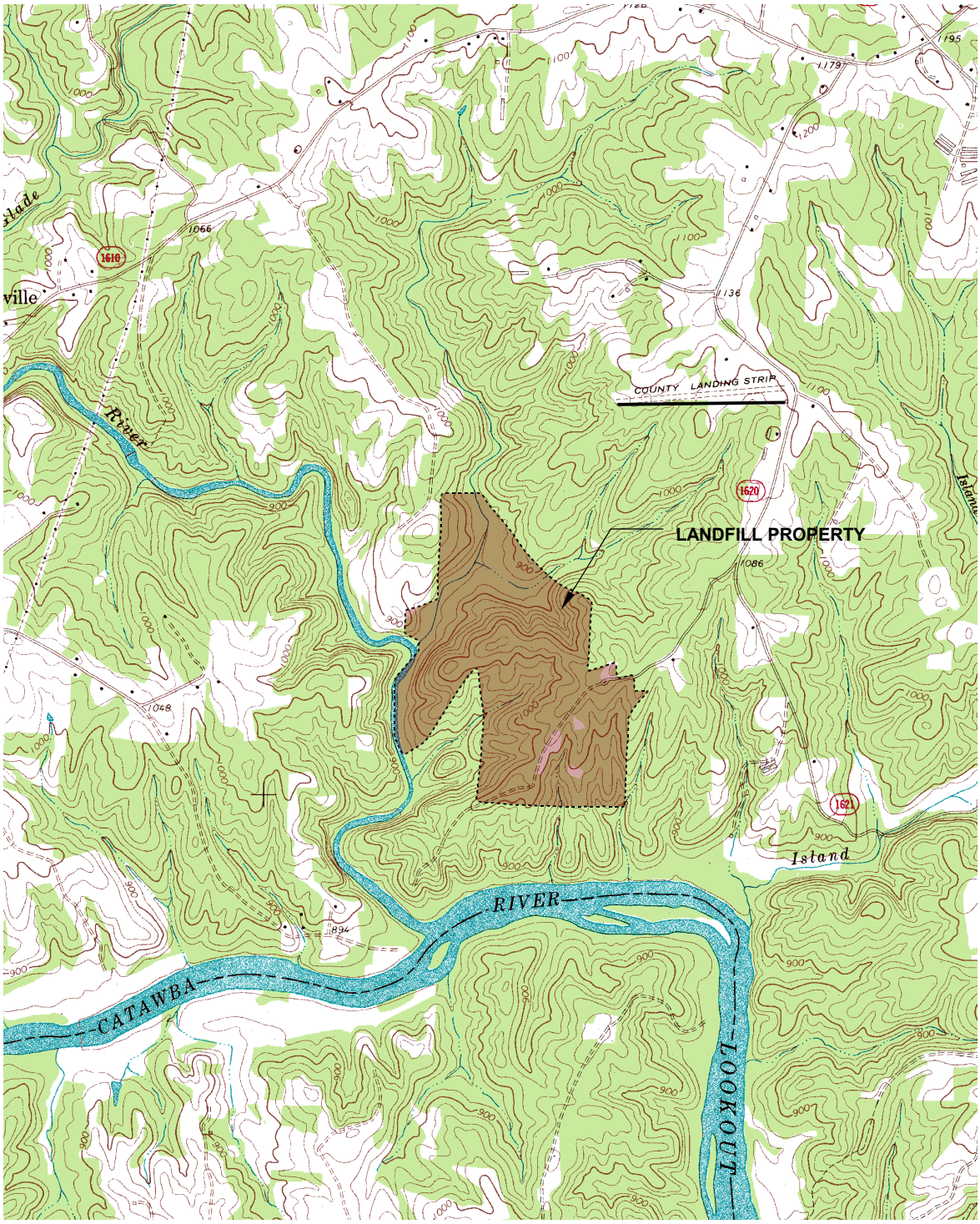
cc: Mr. Josh Mitchell
Alexander County

Plates

Topographic Map with Landfill Location

PLATE 1

Alexander County C&D over MSW Landfill



QUADRANGLE LEGEND

ROAD CLASSIFICATION

Primary highway, hard surface

Light-duty road, hard or improved surface

Secondary highway, hard surface

Unimproved road

Interstate Route

U. S. Route

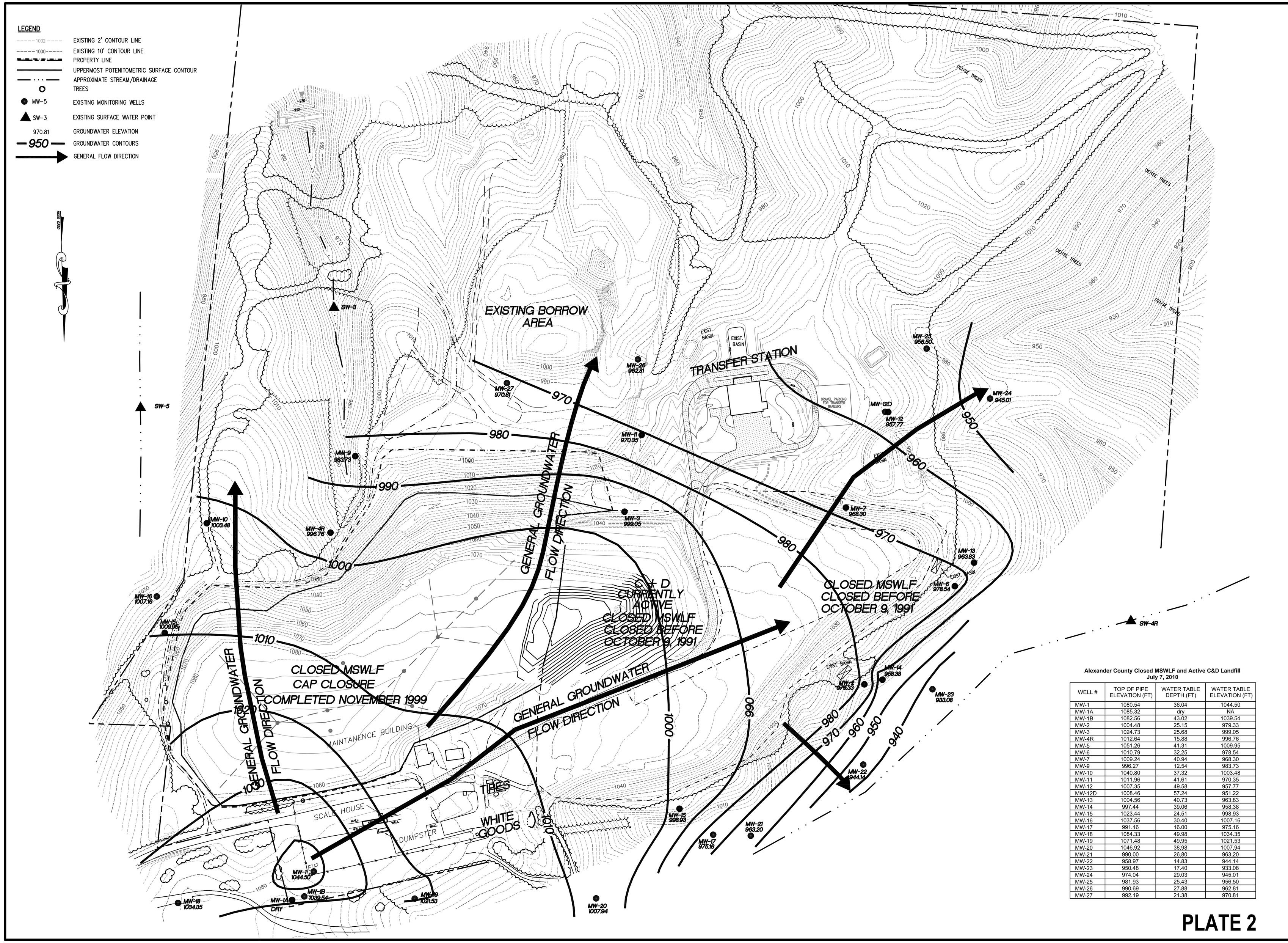
State Route

NOTE: Topographical map assembled from corresponding USGS 7.5-min. quadrangles of the subject region.

Date Completed	08/04/2008
Created By	M. German
Project Name	Semi-Annual Monitoring Event
Site Name	Alexander County Landfill
Project Number	G10003.0

Municipal Engineering Services Company, PA

0 1/2 1 MILE



Alexander County Closed MSWLF and Active C&D Landfill
July 7, 2010

WELL #	TOP OF PIPE ELEVATION (FT)	WATER TABLE DEPTH (FT)	WATER TABLE ELEVATION (FT)
MW-1	1080.54	36.04	1044.50
MW-1A	1085.32	dry	NA
MW-1B	1082.56	43.02	1039.54
MW-2	1004.48	25.15	979.33
MW-3	1024.73	25.68	999.05
MW-4R	1012.64	15.88	996.76
MW-5	1051.26	41.31	1009.95
MW-6	1010.79	32.25	978.54
MW-7	1009.24	40.94	968.30
MW-9	996.27	12.54	983.73
MW-10	1040.80	37.32	1003.48
MW-11	1011.96	41.61	970.35
MW-12	1007.35	49.58	957.77
MW-12D	1008.46	57.24	951.22
MW-13	1004.56	40.73	963.83
MW-14	997.44	39.06	958.38
MW-15	1023.44	24.51	998.93
MW-16	1037.56	30.40	1007.16
MW-17	991.16	16.00	975.16
MW-18	1084.33	49.98	1034.35
MW-19	1071.48	49.95	1021.53
MW-20	1046.92	38.98	1007.94
MW-21	990.00	26.80	963.20
MW-22	958.97	14.83	944.14
MW-23	950.48	17.40	933.08
MW-24	974.04	29.03	945.01
MW-25	981.93	25.43	956.50
MW-26	990.69	27.88	962.81
MW-27	992.19	21.38	970.81

PLATE 2

Municipal Services Engineering Company, P.A.
P.O. BOX 97 GARNER, N.C. 27529 (919) 772-5393
P.O. BOX 349 BOONE, N.C. 28607 (828) 262-1767

ACTIVE C and D OVER CLOSED MSW LANDFILL FACILITY
ALEXANDER COUNTY NORTH CAROLINA

DATE	BY	REV.	DESCRIPTION

SINGLE DAY POTENTIOMETRIC MAP (UPPERMOST AQUIFER) 07/07/10

SCALE: 1" = 100'
DATE: 09/14/10
DRWN. BY: J PFOHL
CHKD. BY: M. BROWN
PROJECT NUMBER G10003
DRAWING NO. PLATE 2
SHEET NO. 1 OF 1

Tables

Table 1
Detection Scan All Detections above SWSL, GWP, 2L, or 2B
Alexander County Active C&D over Closed MSWLF

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-1	1,4-Dichlorobenzene	7/8/2010	3.5	ug/L	0.33	1	6				
MW-1	**Benzene**	**7/8/2010**	**7.1**	**ug/L**	**0.25**	**1**	**1**			**6.1**	**L &/or LFG**
MW-1	cis-1,2-Dichloroethene	7/8/2010	10.1	ug/L	0.19	5	70				
MW-1	Cobalt	7/8/2010	85.7	ug/L	0.6	10			70	15.7	
MW-1	**Vinyl chloride**	**7/8/2010**	**0.66j**	**ug/L**	**0.62**	**1**	**0.03**			**0.63**	**L &/or LFG**
MW-1	Zinc	7/8/2010	16.1	ug/L	0.4	10	1050				
MW-1B	1,4-Dichlorobenzene	7/7/2010	3.1	ug/L	0.33	1	6				
MW-1B	**Benzene**	**7/7/2010**	**3.4**	**ug/L**	**0.25**	**1**	**1**			**2.4**	**L &/or LFG**
MW-1B	cis-1,2-Dichloroethene	7/7/2010	5.9	ug/L	0.19	5	70				
MW-1B	Cobalt	7/7/2010	116	ug/L	0.6	10			70	46	
MW-1B	Zinc	7/7/2010	18.4	ug/L	0.4	10	1050				
MW-2	1,4-Dichlorobenzene	7/8/2010	4.2	ug/L	0.33	1	6				
MW-2	**Benzene**	**7/8/2010**	**3**	**ug/L**	**0.25**	**1**	**1**			**2**	**L &/or LFG**
MW-2	cis-1,2-Dichloroethene	7/8/2010	20.3	ug/L	0.19	5	70				
MW-2	Cobalt	7/8/2010	543	ug/L	0.6	10			70	473	
MW-2	Thallium	7/8/2010	6.2	ug/L	3	5.5			0.28	5.92	
MW-2	Trichloroethene	7/8/2010	1.8	ug/L	0.47	1	3				
MW-2	**Vinyl chloride**	**7/8/2010**	**1.4**	**ug/L**	**0.62**	**1**	**0.03**			**1.37**	**L &/or LFG**
MW-2	Zinc	7/8/2010	55.2	ug/L	0.4	10	1050				
MW-3	1,4-Dichlorobenzene	7/14/2010	3.3	ug/L	0.33	1	6				
MW-3	**Benzene**	**7/14/2010**	**6**	**ug/L**	**0.25**	**1**	**1**			**5**	**L &/or LFG**
MW-3	cis-1,2-Dichloroethene	7/14/2010	9.3	ug/L	0.19	5	70				
MW-3	Cobalt	7/14/2010	26.7	ug/L	0.6	10			70		
MW-3	Ethylbenzene	7/14/2010	1.5	ug/L	0.3	1	550				
MW-3	Lead	7/14/2010	14.9	ug/L	4	10	10				
MW-3	Nickel	7/14/2010	60.5	ug/L	1.7	50	100				
MW-3	Toluene	7/14/2010	2.1	ug/L	0.26	1	1000				
MW-3	**Vinyl chloride**	**7/14/2010**	**1.1**	**ug/L**	**0.62**	**1**	**0.03**			**1.07**	**L &/or LFG**
MW-3	Xylene (Total)	7/14/2010	8.2	ug/L	0.66	5	530				
MW-4R	1,4-Dichlorobenzene	7/8/2010	4.1	ug/L	0.33	1	6				
MW-4R	Barium	7/8/2010	103	ug/L	0.2	100	700				
MW-4R	**Benzene**	**7/8/2010**	**2.5**	**ug/L**	**0.25**	**1**	**1**			**1.5**	**L &/or LFG**
MW-4R	cis-1,2-Dichloroethene	7/8/2010	15.1	ug/L	0.19	5	70				
MW-4R	Cobalt	7/8/2010	203	ug/L	0.6	10			70	133	
MW-4R	Thallium	7/8/2010	5.4j	ug/L	3	5.5			0.28	5.12	
MW-5	1,4-Dichlorobenzene	7/13/2010	2.1	ug/L	0.33	1	6				
MW-5	**Benzene**	**7/13/2010**	**3.6**	**ug/L**	**0.25**	**1**	**1**			**2.6**	**L &/or LFG**
MW-5	**Chromium**	**7/13/2010**	**11**	**ug/L**	**0.4**	**10**	**50**			**1**	**N**
MW-5	cis-1,2-Dichloroethene	7/13/2010	10.5	ug/L	0.19	5	70				
MW-5	Cobalt	7/13/2010	32.7	ug/L	0.6	10			70		
MW-5	Vanadium	7/13/2010	8.6j	ug/L	0.2	25			3.5	5.1	
MW-5	Zinc	7/13/2010	26.4	ug/L	0.4	10	1050				

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-6	Cobalt	7/12/2010	18.7	ug/L	0.6	10			70		
MW-7	**Benzene**	**7/13/2010**	**4.2**	**ug/L**	**0.25**	**1**	**1**			**3.2**	**L &/or LFG**
MW-7	Cobalt	7/13/2010	18.1	ug/L	0.6	10			70		
MW-9	Barium	7/7/2010	115	ug/L	0.2	100	700				
MW-9	cis-1,2-Dichloroethene	7/7/2010	13.9	ug/L	0.19	5	70				
MW-9	Cobalt	7/7/2010	49	ug/L	0.6	10			70		
MW-9	Thallium	7/7/2010	5.6	ug/L	3	5.5			0.28	5.32	
MW-10	**Benzene**	**7/7/2010**	**1.1**	**ug/L**	**0.25**	**1**	**1**			**0.1**	**L &/or LFG**
MW-11	**1,4-Dichlorobenzene**	**7/14/2010**	**9.4**	**ug/L**	**0.33**	**1**	**6**			**3.4**	**L &/or LFG**
MW-11	Barium	7/14/2010	120	ug/L	0.2	100	700				
MW-11	**Benzene**	**7/14/2010**	**5.9**	**ug/L**	**0.25**	**1**	**1**			**4.9**	**L &/or LFG**
MW-11	cis-1,2-Dichloroethene	7/14/2010	24.6	ug/L	0.19	5	70				
MW-11	Cobalt	7/14/2010	136	ug/L	0.6	10			70	66	
MW-11	Thallium	7/14/2010	5.6	ug/L	3	5.5			0.28	5.32	
MW-11	**Vinyl chloride**	**7/14/2010**	**0.91j**	**ug/L**	**0.62**	**1**	**0.03**			**0.88**	**L &/or LFG**
MW-11	Zinc	7/14/2010	73.2	ug/L	0.4	10	1050				
MW-12	**1,4-Dichlorobenzene**	**7/13/2010**	**6.1**	**ug/L**	**0.33**	**1**	**6**			**0.1**	**L &/or LFG**
MW-12	Barium	7/13/2010	106	ug/L	0.2	100	700				
MW-12	**Benzene**	**7/13/2010**	**5.6**	**ug/L**	**0.25**	**1**	**1**			**4.6**	**L &/or LFG**
MW-12	cis-1,2-Dichloroethene	7/13/2010	11.9	ug/L	0.19	5	70				
MW-12	Cobalt	7/13/2010	37.2	ug/L	0.6	10			70		
MW-12	**Tetrachloroethene**	**7/13/2010**	**0.82j**	**ug/L**	**0.46**	**1**	**0.7**			**0.12**	**L &/or LFG**
MW-12	Trichloroethene	7/13/2010	2	ug/L	0.47	1	3				
MW-12	Zinc	7/13/2010	18.3	ug/L	0.4	10	1050				
MW-14	1,4-Dichlorobenzene	7/8/2010	2.7	ug/L	0.33	1	6				
MW-14	cis-1,2-Dichloroethene	7/8/2010	10.9	ug/L	0.19	5	70				
MW-14	Cobalt	7/8/2010	183	ug/L	0.6	10			70	113	
MW-14	Zinc	7/8/2010	17.3	ug/L	0.4	10	1050				
MW-15	**Benzene**	**7/8/2010**	**3.4**	**ug/L**	**0.25**	**1**	**1**			**2.4**	**L &/or LFG**
MW-15	cis-1,2-Dichloroethene	7/8/2010	8.5	ug/L	0.19	5	70				
MW-15	Cobalt	7/8/2010	13.8	ug/L	0.6	10			70		
MW-15	**Mercury**	**7/8/2010**	**16.2**	**ug/L**	**0.4**	**1**	**1.05**			**15.15**	**A (Confirmed)**
MW-15	Mercury	8/12/2010	0.62j	ug/L	0.4	1	1.05				
MW-16	**1,1-Dichloroethane**	**7/14/2010**	**11.9**	**ug/L**	**0.32**	**5**	**6**			**5.9**	**L &/or LFG**
MW-16	**1,2-Dichloropropane**	**7/14/2010**	**1.1**	**ug/L**	**0.27**	**1**	**0.6**			**0.5**	**L &/or LFG**
MW-16	1,4-Dichlorobenzene	7/14/2010	2.5	ug/L	0.33	1	6				
MW-16	**Benzene**	**7/14/2010**	**3.7**	**ug/L**	**0.25**	**1**	**1**			**2.7**	**L &/or LFG**
MW-16	cis-1,2-Dichloroethene	7/14/2010	18	ug/L	0.19	5	70				
MW-16	Cobalt	7/14/2010	17.9	ug/L	0.6	10			70		
MW-16	**Tetrachloroethene**	**7/14/2010**	**2.8**	**ug/L**	**0.46**	**1**	**0.7**			**2.1**	**L &/or LFG**
MW-16	**Trichloroethene**	**7/14/2010**	**3.5**	**ug/L**	**0.47**	**1**	**3**			**0.5**	**L &/or LFG**
MW-17	**Benzene**	**7/7/2010**	**1.2**	**ug/L**	**0.25**	**1**	**1**			**0.2**	**L &/or LFG**
MW-17	Cobalt	7/7/2010	12.9	ug/L	0.6	10			70		
MW-17	Zinc	7/7/2010	21.1	ug/L	0.4	10	1050				

Well ID	Parameter Name [1]	Sample Date	Result	Unit	MDL [2]	SWSL [3]	2L [4]	2B [5]	GWP [6]	Exceedance	Preliminary Cause
MW-18	**Chromium**	**7/8/2010**	**22.6**	**ug/L**	**0.4**	**10**	**10**			**12.6**	**N**
MW-18	Cobalt	7/8/2010	22.2	ug/L	0.6	10			70		
MW-18	Copper	7/8/2010	43.1	ug/L	0.3	10	1000				
MW-18	Vanadium	7/8/2010	38.6	ug/L	0.2	25			3.5	35.1	
MW-18	Zinc	7/8/2010	38.8	ug/L	0.4	10	1050				
MW-21	Zinc	7/7/2010	24.4	ug/L	0.4	10	1050				
MW-22	Vanadium	7/7/2010	4.1j	ug/L	0.2	25			3.5	0.6	
MW-24	1,4-Dichlorobenzene	7/12/2010	1.6	ug/L	0.33	1	6				
MW-24	**Chromium**	**7/12/2010**	**12.9**	**ug/L**	**0.4**	**10**	**10**			**2.9**	**N**
MW-24	Cobalt	7/12/2010	15	ug/L	0.6	10			70		
MW-24	Vanadium	7/12/2010	7.5j	ug/L	0.2	25			3.5	4	
MW-24	Zinc	7/12/2010	21.5	ug/L	0.4	10	1050				
MW-26	**1,4-Dichlorobenzene**	**7/14/2010**	**6.5**	**ug/L**	**0.33**	**1**	**6**			**0.5**	**L &/or LFG**
MW-26	**Benzene**	**7/14/2010**	**3.2**	**ug/L**	**0.25**	**1**	**1**			**2.2**	**L &/or LFG**
MW-26	cis-1,2-Dichloroethene	7/14/2010	29.8	ug/L	0.19	5	70				
MW-26	Cobalt	7/14/2010	145	ug/L	0.6	10			70	75	
MW-26	Thallium	7/14/2010	3.3j	ug/L	3	5.5			0.28	3.02	
MW-26	Zinc	7/14/2010	31.6	ug/L	0.4	10	1050				
MW-27	cis-1,2-Dichloroethene	7/13/2010	24.6	ug/L	0.19	5	70				
SW-5	Cobalt	7/7/2010	14.5	ug/L	0.6	10		270			

[1] Table contains only 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)

[6] 2B = North Carolina 15 NCAC 2B Surface Water Quality Standard for this Specific Stream Classification (Current as of Sampling Event)

[7] 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.

A = Artifact Contamination from Field &/or Laboratory. Confirmed by subsequent verification event.

L = Leachate

LFG = Landfill Gas

N = Natural from erosion of natural deposits

B = Background

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

Table 2
Hydrologic Properties at Monitoring Well Locations
Alexander County Active C&D over Closed MSWLF

Monitoring Well	Hydraulic Conductivity (cm/sec)	Effective Porosity (%)	Hydraulic Gradient	Flow Rate (ft/yr)	Flow Direction	Water Table Depth (ft)	Water Table Elevation (ft)	Water Bearing Zone
MW-1	5.60E-05	10%	0.16	94	S76W	36.04	1044.50	UC/UBR
MW-1B	-	-	n/a	n/a	N05W	43.02	1039.54	UBR
MW-2	3.70E-06	28%	0.43	6	N55W	25.15	979.33	UC
MW-3	3.90E-06	10%	0.15	6	S18W	25.68	999.05	UC/UBR
MW-4R	4.90E-04	10%	0.06	292	S07W	15.88	996.76	UC/UBR
MW-5	6.40E-05	28%	0.01	3	S03W	41.31	1009.95	UC/UBR
MW-6	2.40E-05	10%	0.55	136	S50W	26.27	978.54	UBR
MW-7	1.60E-06	10%	-0.04	-1	S29W	40.94	968.30	UBR
MW-9	-	-	-0.08	-	S02E	12.54	983.73	UBR
MW-10	-	-	n/a	n/a	S11W	37.32	1003.48	LBR
MW-11	-	-	n/a	n/a	S23W	41.61	970.35	UBR
MW-12	-	-	n/a	n/a	S82W	49.58	957.77	UC
MW-12D	-	-	n/a	n/a	n/a	57.24	951.22	LBR
MW-13	-	-	n/a	n/a	S73W	40.73	963.83	UBR
MW-14	-	-	n/a	n/a	N57W	39.06	958.38	UC/UBR
MW-15	-	-	n/a	n/a	N54W	24.51	998.93	UC/UBR
MW-16	8.72E-04	17%	0.03	156	S01E	30.40	1007.16	UC
MW-17	-	-	n/a	n/a	N47W	16.00	975.16	UC
MW-18	1.19E-04	10%	n/a	n/a	S38E	49.98	1034.35	LBR
MW-19	1.92E-06	10%	0.35	7.0	N06W	49.95	1021.53	UBR
MW-20	5.49E-05	10%	0.11	62	N89W	38.98	1007.94	UBR
MW-21	3.77E-03	28.1%	0.12	1667	N47W	26.80	963.20	UC
MW-22	6.04E-04	28.1%	0.15	343	N50W	14.83	944.14	UC
MW-23	9.83E-04	28.1%	0.33	1186	N57W	17.40	933.08	UC
MW-24	1.33E-02	10%	0.07	9487	S84W	29.03	945.01	UC
MW-25	5.41E-05	10%	0.07	39	N78W	25.43	956.50	UBR
MW-26	1.16E-04	10%	0.05	55	S23W	27.88	962.81	UBR
MW-27	2.83E-05	10%	0.04	13	S23W	21.38	970.81	UBR

NOTE: Values for hydraulic conductivity obtained from GAI Consultants Sampling Report (April, 1995) & MESCO ACM Report (2008).
Average Linear Groundwater Velocities calculated only for UC & UBR wells with hydraulic conductivity values.
UC = Unconfined/saprolite; UBR = Upper Bedrock fracture system; LBR = Lower Bedrock fracture system
Wells screened in rock not utilized for flow directions/gradients.
Hydrologic Gradient taken from water elevations on July 7, 2010
Flow rate (*Q*) is defined by the equation:

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

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

Mean v_x: 797
Median v_x: 62

Table 3
Field Observations of Monitoring Locations
Alexander County Active C&D over Closed MSWLF
July 7-14, 2010 Sampling Event

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	Slight	
MW-1B	No	Yes	Yes	Yes	Yes	Yes	-	Dry
MW-1B	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-4R	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-5	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-6	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-7	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-9	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-10	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-11	Yes	Yes	Yes	Yes	Yes	Yes	Clear	Hinge replaced
MW-12	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-12D	Yes	Yes	Yes	Yes	Yes	Yes	Clear	Disposable Baler stuck in well
MW-13	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-14	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-15	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-16	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-17	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-18	Yes	Yes	Yes	Yes	Yes	Yes	Slight	
MW-19	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-20	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-21	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-22	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-23	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-24	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-25	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-26	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
MW-27	Yes	Yes	Yes	Yes	Yes	Yes	Clear	
SW-3	Yes	-	-	-	-	-	Clear	
SW-4R	Yes	-	-	-	-	-	Clear	
SW-5	Yes	-	-	-	-	-	Clear	

Any unusual field conditions, observations, or events:

None to note.

Table 4
Summary of Field Parameter Data
Alexander County Active C&D over Closed MSWLF
July 7-14, 2010 Sampling Event

Parameter	WLR (BTOC)*	Water Elevation	TOC Elevation	Temp.	ORP	DO	pH	Specific Conductance	TDS	Turbidity
Units	ft	ft (amsl)	ft (amsl)	C	mV	mg/L	SU	umhos/cm	mg/L	NTU
MW-1	36.04	1044.50	1080.54	16.7	-37	0.6	6.75	537	288	38.1
MW-1B	43.02	1039.54	1082.56	15.5	521	0.8	5.45	73	37	8.99
MW-2	25.15	979.33	1004.48	16.6	-111	0.7	6.91	673	338	14.8
MW-3	25.68	999.05	1024.73	16.5	-15	0.2	5.91	310	149	9.86
MW-4R	15.88	996.76	1012.64	16.0	-44	1.1	6.71	487	244	8.71
MW-5	41.31	1009.95	1051.26	16.3	-72	0.1	6.88	352	176	17.2
MW-6	32.25	978.54	1010.79	17.4	193	0.7	6.79	403	198	23.7
MW-7	40.94	968.30	1009.24	16.6	-103	0.3	7.19	583	291	11.4
MW-9	12.54	983.73	996.27	15.0	98	0.6	6.98	651	326	16.3
MW-10	37.32	1003.48	1040.8	15.8	-81	0.9	7.40	323	168	8.91
MW-11	41.61	970.35	1011.96	17.9	-3	0.9	6.70	290	145	8.31
MW-12	49.58	957.77	1007.35	17.3	55	0.2	6.13	177	87	9.32
MW-12D	57.24	951.22	1008.46	19.7	-107	0.2	7.11	791	380	11.3
MW-13	40.73	963.83	1004.56	19.1	84	0.8	6.31	177	88	10.7
MW-14	39.06	958.38	997.44	15.7	26	1.2	6.31	662	317	23.2
MW-15	24.51	998.93	1023.44	15.3	96	0.2	6.63	203	101	10.3
MW-16	30.40	1007.16	1037.56	15.8	536	0.1	5.93	91	45	9.35
MW-17	16.00	975.16	991.16	15.2	296	1.5	5.61	63	30	16.2
MW-18	49.98	1034.35	1084.33	18.5	-86	3.7	6.89	38	19	146
MW-19	49.95	1021.53	1071.48	17.0	203	2.0	6.37	79	35	32.3
MW-20	38.98	1007.94	1046.92	16.0	-63	1.3	6.45	54	24	8.93
MW-21	26.80	963.20	990	15.1	210	2.3	6.40	36	18	10.7
MW-22	14.83	944.14	958.97	18.5	238	4.9	6.42	19	0	36.1
MW-23	17.40	933.08	950.48	18.6	146	5.0	7.01	139	61	22.3
MW-24	29.03	945.01	974.04	17.5	397	3.1	6.03	206	102	10.7
MW-25	25.43	956.50	981.93	16.9	138	1.1	6.29	163	77	10.2
MW-26	27.88	962.81	990.69	16.6	21	1.0	6.49	336	168	13.3
MW-27	21.38	970.81	992.19	16.0	62	0.7	6.81	586	293	11.3
Minimum	12.54	933.08	950.48	15.0	-111	0.1	5.45	19	0	8.31
Maximum	57.24	1044.5	1084.33	19.7	536	5.0	7.40	791	380	146
Average	32.53	983.05	1015.58	16.8	93	1.3	6.53	304	150	19.95
SW-3	-	-	-	22.3	-3	7.1	7.06	103	51	Clear
SW-4R	-	-	-	21.3	89	7.2	7.01	83	40	Clear
SW-5	-	-	-	22	-2	6.9	6.98	149	73	Clear
Minimum	-	-	-	21.3	-3	6.9	6.98	83	40	Clear
Maximum	-	-	-	22.3	89	7.2	7.06	149	73	Clear
Average	-	-	-	21.87	28	7.07	7.02	111.67	54.67	Clear

NR = No Reading Attempted

* = Water Level Readings Taken 7/7/10