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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Engineering & Environmental Science Company, Inc.

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

Name: T. Patrick Shillington, P.E. Phone: 919-781-7798

E-mail: e2s@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Hoke County Landfill	700 CC Steele Road Raeford, NC	47-01		June 20, 2013

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.

T. Patrick Shillington	President/Consultant	919-781-7798
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
T. Patrick Shillington	07/03/13	Affix NC Licensed/ Professional Geologist/Engineer Seal here:
Signature	Date	

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON 07/03/13

Revised 01/2007

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ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY

3008 ANDERSON DRIVE, SUITE 102

RALEIGH, NC 27609

(919) 781-7798

July 3, 2013

Mr. Don Russell
Solid Waste Office
P. O. Box 179
Raeford, NC 28376

RE: Monitoring Well Test Results
6/20/2013 Sampling Event
Hoke County Landfill
Permit No. 47-01

Dear Mr. Russell:

Submitted are the test results for the water sampled from the five (5) monitoring wells and three (3) surface water samples at the Hoke County Landfill. The sampling was conducted on June 20, 2013. The test results for each well and surface water sample are summarized in Table 1 in Attachment A. Attachment B contains the test results as submitted by Con-Test Analytical Laboratories.

Prior to sampling each well, the water level depth was determined in reference to the top of the well casing. Teflon disposable bailers attached to nylon rope were used for purging and sampling water from the wells. A new bailer and rope were used for each well. The wells were purged of at least three times the volume of static water in the well, prior to sampling. The wells were immediately sampled after purging.

Surface water samples were collected by dipping the container beneath the water surface and then opening the container, to allow for water collection. The collected samples were placed on ice for transportation to the laboratory. Temperature, pH conductivity and Total Suspended Solids were determined in the field with the Hanna water test instrument.

Table 1, Attachment A, summarizes the test results and the analytical laboratory report and chain of custody are provided in Attachment B. We appreciate serving Hoke County on the well and surface water sampling and testing. Please contact us if you have any questions concerning the test results.

Sincerely,

T. Patrick Shillington, P.E.
President

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON

07/03/13

Robert W. Brantly, E.I.
Project Engineer

Attachment A: Table
Attachment B: Analytical Test Results

ATTACHMENT A:
Table

Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
19-01	MW-1	71-43-2	16	Benzene	0.51	ug/L	6/20/2013	6/27/2013	1	-	1
19-01	MW-1	75-34-3	75	1,1-Dichloroethane	0.88	ug/L	6/20/2013	6/27/2013	6	-	5
19-01	MW-1	156-59-2	78	cis-1,2-Dichloroethylene	0.43	ug/L	6/20/2013	6/27/2013	70	-	5
19-01	MW-1	79-01-6	201	Trichloroethylene	0.35	ug/L	6/20/2013	6/27/2013	3	-	1
19-01	MW-1	75-01-4	211	Vinyl Chloride	0.51	ug/L	6/20/2013	6/27/2013	0.03	-	1
19-01	MW-1	7440-38-2	14	Arsenic	14	ug/L	6/20/2013	6/26/2013	10	-	10
19-01	MW-1	7440-39-3	15	Barium	47	ug/L	6/20/2013	6/26/2013	700	-	100
19-01	MW-1	7439-92-1	131	Lead	0.13	ug/L	6/20/2013	6/26/2013	15	-	10
19-01	MW-1			Well Elevation	251.19	ft.					
19-01	MW-1			Groundwater Depth	56.02	ft.					
19-01	MW-1			Water Level Elevation	195.17	ft.					
19-01	MW-1			Temperature	21.6	C					
19-01	MW-1			pH	4.68						
19-01	MW-1			Conductivity	106	mV					
19-01	MW-1			Total Suspended Solids	47	ppm					
19-01	MW-2	67-64-1	3	Acetone	21	ug/L	6/20/2013	6/27/2013	6000	-	100
19-01	MW-2	71-43-2	16	Benzene	0.95	ug/L	6/20/2013	6/27/2013	1	-	1
19-01	MW-2	78-93-3	141	2-Butanone (MEK)	2.6	ug/L	6/20/2013	6/27/2013	4000	-	100
19-01	MW-2	108-90-7	39	Chlorobenzene	3	ug/L	6/20/2013	6/27/2013	50	-	3
19-01	MW-2	67-66-3	44	Chloroform	0.2	ug/L	6/20/2013	6/27/2013	70	-	5
19-01	MW-2	95-50-1	69	1,2-Dichlorobenzene	0.38	ug/L	6/20/2013	6/27/2013	20	-	5
19-01	MW-2	106-46-7	71	1,4-Dichlorobenzene	2	ug/L	6/20/2013	6/27/2013	6	-	1
19-01	MW-2	75-34-3	75	1,1-Dichloroethane	1.6	ug/L	6/20/2013	6/27/2013	6	-	5
19-01	MW-2	156-59-2	78	cis-1,2-Dichloroethylene	2.9	ug/L	6/20/2013	6/27/2013	70	-	5
19-01	MW-2	79-01-6	201	Trichloroethylene	0.38	ug/L	6/20/2013	6/27/2013	3	-	1
19-01	MW-2	75-01-4	211	Vinyl Chloride	0.3	ug/L	6/20/2013	6/27/2013	0.03	-	1
19-01	MW-2	7440-39-3	15	Barium	32	ug/L	6/20/2013	6/26/2013	700	-	100
19-01	MW-2	7440-43-9	34	Cadmium	0.17	ug/L	6/20/2013	6/26/2013	2	-	1
19-01	MW-2	7439-92-1	131	Lead	0.68	ug/L	6/20/2013	6/26/2013	15	-	10
19-01	MW-2			Well Elevation	217	ft.					
19-01	MW-2			Groundwater Depth	17.94	ft.					
19-01	MW-2			Water Level Elevation	199.06	ft.					
19-01	MW-2			Temperature	22.2	C					
19-01	MW-2			pH	7.15						

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Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
19-01	MW-2			Conductivity	168	mV					
19-01	MW-2			Total Suspended Solids	213	ppm					
19-01	MW-3	67-64-1	3	Acetone	6.8	ug/L	6/20/2013	6/27/2013	6000	-	100
19-01	MW-3	71-43-2	16	Benzene	3.2	ug/L	6/20/2013	6/27/2013	1	-	1
19-01	MW-3	78-93-3	141	2-Butanone (MEK)	7.7	ug/L	6/20/2013	6/27/2013	4000	-	100
19-01	MW-3	108-90-7	39	Chlorobenzene	**4.8**	ug/L	6/20/2013	6/27/2013	50	-	3
19-01	MW-3	95-50-1	69	1,2-Dichlorobenzene	0.2	ug/L	6/20/2013	6/27/2013	20	-	5
19-01	MW-3	106-46-7	71	1,4-Dichlorobenzene	**5.3**	ug/L	6/20/2013	6/27/2013	6	-	1
19-01	MW-3	75-34-3	75	1,1-Dichloroethane	2	ug/L	6/20/2013	6/27/2013	6	-	5
19-01	MW-3	156-59-2	78	cis-1,2-Dichloroethylene	**5.7**	ug/L	6/20/2013	6/27/2013	70	-	5
19-01	MW-3	108-88-3	196	Toluene	0.11	ug/L	6/20/2013	6/27/2013	600	-	1
19-01	MW-3	79-01-6	201	Trichloroethylene	0.58	ug/L	6/20/2013	6/27/2013	3	-	1
19-01	MW-3	75-01-4	211	Vinyl Chloride	0.98	ug/L	6/20/2013	6/27/2013	0.03	-	1
19-01	MW-3	7440-38-2	14	Arsenic	16	ug/L	6/20/2013	6/26/2013	10	-	10
19-01	MW-3	7440-39-3	15	Barium	35	ug/L	6/20/2013	6/26/2013	700	-	100
19-01	MW-3	7440-43-9	34	Cadmium	5.8	ug/L	6/20/2013	6/26/2013	2	-	1
19-01	MW-3	7439-92-1	131	Lead	1.1	ug/L	6/20/2013	6/26/2013	15	-	10
19-01	MW-3	7439-97-6	132	Mercury	0.12	ug/l	6/20/2013	6/26/2013	1	-	0.2
19-01	MW-3			Well Elevation	212.64	ft.					
19-01	MW-3			Groundwater Depth	27.95	ft.					
19-01	MW-3			Water Level Elevation	184.69	ft.					
19-01	MW-3			Temperature	22.1	C					
19-01	MW-3			pH	165						
19-01	MW-3			Conductivity	198	mV					
19-01	MW-3			Total Suspended Solids	213	ppm					
19-01	MW-5	67-64-1	3	Acetone	18	ug/L	6/20/2013	6/27/2013	6000	-	100
19-01	MW-5	71-43-2	16	Benzene	5.8	ug/L	6/20/2013	6/27/2013	1	-	1
19-01	MW-5	108-90-7	39	Chlorobenzene	60	ug/L	6/20/2013	6/27/2013	50	-	3
19-01	MW-5	95-50-1	69	1,2-Dichlorobenzene	1.7	ug/L	6/20/2013	6/27/2013	20	-	5
19-01	MW-5	106-46-7	71	1,4-Dichlorobenzene	**4.4**	ug/L	6/20/2013	6/27/2013	6	-	1
19-01	MW-5	156-59-2	78	cis-1,2-Dichloroethylene	**1.9**	ug/L	6/20/2013	6/27/2013	70	-	5
19-01	MW-5	75-01-4	211	Vinyl Chloride	1.8	ug/L	6/20/2013	6/27/2013	0.03	-	1
19-01	MW-5	7440-38-2	14	Arsenic	11	ug/L	6/20/2013	6/26/2013	10	-	10
19-01	MW-5	7440-39-3	15	Barium	26	ug/L	6/20/2013	6/26/2013	700	-	100

Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
19-01	MW-5	7440-47-3	51	Chromium	5.9	ug/L	6/20/2013	6/26/2013	10	-	10
19-01	MW-5	7439-92-1	131	Lead	4.5	ug/L	6/20/2013	6/26/2013	15	-	10
19-01	MW-5			Well Elevation	227.81	ft.					
19-01	MW-5			Groundwater Depth	23.33	ft.					
19-01	MW-5			Water Level Elevation	204.48	ft.					
19-01	MW-5			Temperature	21.1	C					
19-01	MW-5			pH	8.64						
19-01	MW-5			Conductivity	99	mV					
19-01	MW-5			Total Suspended Solids	182	ppm					
19-01	MW-6	71-43-2	16	Benzene	1.3	ug/L	6/20/2013	6/27/2013	1	-	1
19-01	MW-6	108-90-7	39	Chlorobenzene	2.9	ug/L	6/20/2013	6/27/2013	50	-	3
19-01	MW-6	106-46-7	71	1,4-Dichlorobenzene	**1.4**	ug/L	6/20/2013	6/27/2013	6	-	1
19-01	MW-6	75-34-3	75	1,1-Dichloroethane	0.99	ug/L	6/20/2013	6/27/2013	6	-	5
19-01	MW-6	156-59-2	78	cis-1,2-Dichloroethylene	2.7	ug/L	6/20/2013	6/27/2013	70	-	5
19-01	MW-6	79-01-6	201	Trichloroethylene	0.17	ug/L	6/20/2013	6/27/2013	3	-	1
19-01	MW-6	7440-38-2	14	Arsenic	11	ug/L	6/20/2013	6/26/2013	10	-	10
19-01	MW-6	7440-39-3	15	Barium	51	ug/L	6/20/2013	6/26/2013	700	-	100
19-01	MW-6	7440-43-9	34	Cadmium	0.26	ug/L	6/20/2013	6/26/2013	2	-	1
19-01	MW-6	7439-92-1	131	Lead	0.43	ug/L	6/20/2013	6/26/2013	15	-	10
19-01	MW-6	7439-97-6	132	Mercury	0.049	ug/l	6/20/2013	6/26/2013	1	-	0.2
19-01	MW-6			Well Elevation	204.65	ft.					
19-01	MW-6			Groundwater Depth	37.92	ft.					
19-01	MW-6			Water Level Elevation	166.73	ft.					
19-01	MW-6			Temperature	20.1	C					
19-01	MW-6			pH	4.85						
19-01	MW-6			Conductivity	79	mV					
19-01	MW-6			Total Suspended Solids	152	ppm					
19-01	US	7440-39-3	15	Barium	24	ug/L	6/20/2013	6/26/2013	700	N/A	100
19-01	US	7439-92-1	131	Lead	0.33	ug/L	6/20/2013	6/26/2013	15	25	10
19-01	US			Temperature	26	C					
19-01	US			pH	7.92					6-9	
19-01	US			Conductivity	103	mV					
19-01	US			Total Suspended Solids	127	ppm					
19-01	MS	108-88-3	196	Toluene	0.11	ug/L	6/20/2013	6/27/2013	600	11	1

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Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
19-01	MS	7440-38-2	14	Arsenic	0.81	ug/L	6/20/2013	6/26/2013	10	50	10
19-01	MS	7440-39-3	15	Barium	28	ug/L	6/20/2013	6/26/2013	700	N/A	100
19-01	MS	7439-92-1	131	Lead	0.35	ug/L	6/20/2013	6/26/2013	15	25	10
19-01	MS			Temperature	26.8	C					
19-01	MS			pH	7.71					6-9	
19-01	MS			Conductivity	119	mV					
19-01	MS			Total Suspended Solids	166	ppm					
19-01	DS	108-88-3	196	Toluene	0.18	ug/L	6/20/2013	6/27/2013	600	11	1
19-01	DS	7440-38-2	14	Arsenic	0.95	ug/L	6/20/2013	6/26/2013	10	50	10
19-01	DS	7440-39-3	15	Barium	28	ug/L	6/20/2013	6/26/2013	700	N/A	100
19-01	DS	7439-92-1	131	Lead	0.35	ug/L	6/20/2013	6/26/2013	15	25	10
19-01	DS			Temperature	27.1	C					
19-01	DS			pH	7.62					6-9	
19-01	DS			Conductivity	84	mV					
19-01	DS			Total Suspended Solids	169	ppm					

Bold values exceed SWSL Standards
Red values exceed 2L Standards

ATTACHMENT B:
Analytical Test Results

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

July 2, 2013

Pat Shillington
E2S
3008 Anderson Drive, Suite 102
Raleigh, NC 27609

Project Location: Hoke Landfill
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 13F0881

Enclosed are results of analyses for samples received by the laboratory on June 21, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

E2S
3008 Anderson Drive, Suite 102
Raleigh, NC 27609
ATTN: Pat Shillington

REPORT DATE: 7/2/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13F0881

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Hoke Landfill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1	13F0881-01	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	
MW-2	13F0881-02	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	
MW-3	13F0881-03	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	
MW-5	13F0881-04	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	
MW-6	13F0881-05	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	
MS	13F0881-06	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	
DS	13F0881-07	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	
US	13F0881-08	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260C	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260C

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP)

B075852-BSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

13F0881-05[MW-6], B075852-BLK1, B075852-BS1, B075852-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromomethane

B075852-BS1, B075852-BSD1, B075751-BS1, B075751-BSD1

Sample run on previously used vial. Results may be biased low for volatile analytes.

Analyte & Samples(s) Qualified:

13F0881-05[MW-6]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-1 | Sampled: 6/20/2013 11:30

Sample ID: 13F0881-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Benzene	0.51	1.0	0.079	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Chloromethane	ND	2.0	0.32	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,1-Dichloroethane	0.88	1.0	0.16	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
cis-1,2-Dichloroethylene	0.43	1.0	0.15	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 21:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Styrene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Trichloroethylene	0.35	1.0	0.077	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-1
Sampled: 6/20/2013 11:30

Sample ID: 13F0881-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
Vinyl Chloride	0.51	2.0	0.13	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 21:31	MFF
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 21:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	116	70-130		6/27/13 21:31
Toluene-d8	94.7	70-130		6/27/13 21:31
4-Bromofluorobenzene	93.5	70-130		6/27/13 21:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-1 | Sampled: 6/20/2013 11:30

Sample ID: 13F0881-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	14	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:16	KSH
Barium	47	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:16	KSH
Cadmium	ND	1.0	0.059	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:16	KSH
Chromium	ND	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:16	KSH
Lead	0.13	2.0	0.12	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:16	KSH
Mercury	ND	0.10	0.048	µg/L	1		SW-846 7470A	6/26/13	6/27/13 13:59	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:16	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:16	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-2 | Sampled: 6/20/2013 13:45

Sample ID: 13F0881-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	21	50	4.7	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Benzene	0.95	1.0	0.079	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
2-Butanone (MEK)	2.6	20	2.4	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Chlorobenzene	3.0	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Chloroform	0.20	2.0	0.14	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Chloromethane	ND	2.0	0.32	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,2-Dichlorobenzene	0.38	1.0	0.076	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,4-Dichlorobenzene	2.0	1.0	0.046	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,1-Dichloroethane	1.6	1.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
cis-1,2-Dichloroethylene	2.9	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Styrene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Trichloroethylene	0.38	1.0	0.077	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-2
Sampled: 6/20/2013 13:45

Sample ID: 13F0881-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
Vinyl Chloride	0.30	2.0	0.13	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:02	MFF
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	116	70-130		6/27/13 22:02
Toluene-d8	98.7	70-130		6/27/13 22:02
4-Bromofluorobenzene	87.2	70-130		6/27/13 22:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-2 | Sampled: 6/20/2013 13:45

Sample ID: 13F0881-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:12	KSH
Barium	32	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:12	KSH
Cadmium	0.17	1.0	0.059	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:12	KSH
Chromium	ND	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:12	KSH
Lead	0.68	2.0	0.12	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:12	KSH
Mercury	ND	0.10	0.048	µg/L	1		SW-846 7470A	6/26/13	6/27/13 14:05	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:12	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:12	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-3 | Sampled: 6/20/2013 13:30

Sample ID: 13F0881-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.8	50	4.7	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Benzene	3.2	1.0	0.079	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
2-Butanone (MEK)	7.7	20	2.4	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Chlorobenzene	4.8	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Chloromethane	ND	2.0	0.32	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,2-Dichlorobenzene	0.20	1.0	0.076	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,4-Dichlorobenzene	5.3	1.0	0.046	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,1-Dichloroethane	2.0	1.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
cis-1,2-Dichloroethylene	5.7	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Styrene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Toluene	0.11	1.0	0.090	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Trichloroethylene	0.58	1.0	0.077	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-3 | Sampled: 6/20/2013 13:30

Sample ID: 13F0881-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
Vinyl Chloride	0.98	2.0	0.13	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 22:33	MFF
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 22:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	118	70-130		6/27/13 22:33
Toluene-d8	95.2	70-130		6/27/13 22:33
4-Bromofluorobenzene	96.2	70-130		6/27/13 22:33

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-3
Sampled: 6/20/2013 13:30

Sample ID: 13F0881-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	16	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:20	KSH
Barium	35	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:20	KSH
Cadmium	5.8	1.0	0.059	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:20	KSH
Chromium	ND	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:20	KSH
Lead	1.1	2.0	0.12	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:20	KSH
Mercury	0.12	0.10	0.048	µg/L	1		SW-846 7470A	6/26/13	6/27/13 14:07	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:20	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:20	KSH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-5 | Sampled: 6/20/2013 13:00

Sample ID: 13F0881-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	18	50	4.7	µg/L	1	J	SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Benzene	5.8	1.0	0.079	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Chlorobenzene	60	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Chloromethane	ND	2.0	0.32	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,2-Dichlorobenzene	1.7	1.0	0.076	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,4-Dichlorobenzene	4.4	1.0	0.046	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
cis-1,2-Dichloroethylene	1.9	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Styrene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Trichloroethylene	ND	1.0	0.077	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-5
Sampled: 6/20/2013 13:00

Sample ID: 13F0881-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
Vinyl Chloride	1.8	2.0	0.13	µg/L	1	J	SW-846 8260C	6/27/13	6/28/13 0:37	MFF
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	122	70-130		6/28/13 0:37
Toluene-d8	94.6	70-130		6/28/13 0:37
4-Bromofluorobenzene	92.3	70-130		6/28/13 0:37

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-5
Sampled: 6/20/2013 13:00

Sample ID: 13F0881-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	11	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:23	KSH
Barium	26	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:23	KSH
Cadmium	ND	1.0	0.059	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:23	KSH
Chromium	5.9	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:23	KSH
Lead	4.5	2.0	0.12	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:23	KSH
Mercury	ND	0.10	0.048	µg/L	1		SW-846 7470A	6/26/13	6/27/13 14:08	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:23	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:23	KSH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-6 | Sampled: 6/20/2013 12:15

Sample ID: 13F0881-05

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Benzene	1.3	1.0	0.079	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Chlorobenzene	2.9	1.0	0.12	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Chloromethane	ND	2.0	0.32	µg/L	1	V-05	SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,4-Dichlorobenzene	1.4	1.0	0.046	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,1-Dichloroethane	0.99	1.0	0.16	µg/L	1	J	SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
cis-1,2-Dichloroethylene	2.7	1.0	0.15	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Trichloroethylene	0.17	1.0	0.077	µg/L	1	J	SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-6 | Sampled: 6/20/2013 12:15

Sample ID: 13F0881-05

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/28/13	7/2/13 12:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		7/2/13 12:07
Toluene-d8	98.6	70-130		7/2/13 12:07
4-Bromofluorobenzene	102	70-130		7/2/13 12:07

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MW-6
Sampled: 6/20/2013 12:15

Sample ID: 13F0881-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	11	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:27	KSH
Barium	51	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:27	KSH
Cadmium	0.26	1.0	0.059	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:27	KSH
Chromium	ND	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:27	KSH
Lead	0.43	2.0	0.12	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:27	KSH
Mercury	0.049	0.10	0.048	µg/L	1	J	SW-846 7470A	6/26/13	6/27/13 14:10	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:27	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:27	KSH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MS | Sampled: 6/20/2013 13:20

Sample ID: 13F0881-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Benzene	ND	1.0	0.079	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Chloromethane	ND	2.0	0.32	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Styrene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Toluene	0.27	1.0	0.090	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Trichloroethylene	ND	1.0	0.077	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MS
Sampled: 6/20/2013 13:20

Sample ID: 13F0881-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	120	70-130		6/27/13 23:05
Toluene-d8	96.6	70-130		6/27/13 23:05
4-Bromofluorobenzene	90.5	70-130		6/27/13 23:05

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: MS
Sampled: 6/20/2013 13:20

Sample ID: 13F0881-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	0.81	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:30	KSH
Barium	28	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:30	KSH
Cadmium	ND	1.0	0.059	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:30	KSH
Chromium	ND	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:30	KSH
Lead	0.35	2.0	0.12	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:30	KSH
Mercury	ND	0.10	0.048	µg/L	1		SW-846 7470A	6/26/13	6/27/13 14:12	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:30	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:30	KSH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: DS | Sampled: 6/20/2013 13:10

Sample ID: 13F0881-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Benzene	ND	1.0	0.079	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Chloromethane	ND	2.0	0.32	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Styrene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Toluene	0.18	1.0	0.090	µg/L	1	J	SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Trichloroethylene	ND	1.0	0.077	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: DS
Sampled: 6/20/2013 13:10

Sample ID: 13F0881-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/27/13 23:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	120	70-130		6/27/13 23:36
Toluene-d8	94.6	70-130		6/27/13 23:36
4-Bromofluorobenzene	92.5	70-130		6/27/13 23:36

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: DS
Sampled: 6/20/2013 13:10

Sample ID: 13F0881-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	0.95	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:34	KSH
Barium	28	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:34	KSH
Cadmium	ND	1.0	0.059	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:34	KSH
Chromium	ND	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:34	KSH
Lead	0.35	2.0	0.12	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:34	KSH
Mercury	ND	0.10	0.048	µg/L	1		SW-846 7470A	6/26/13	6/27/13 14:13	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:34	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:34	KSH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill | Sample Description: | Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: US | Sampled: 6/20/2013 14:05

Sample ID: 13F0881-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Benzene	ND	1.0	0.079	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Chloromethane	ND	2.0	0.32	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Styrene	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Trichloroethylene	ND	1.0	0.077	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: US
Sampled: 6/20/2013 14:05

Sample ID: 13F0881-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260C	6/27/13	6/28/13 0:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	122	70-130		6/28/13 0:07
Toluene-d8	96.7	70-130		6/28/13 0:07
4-Bromofluorobenzene	92.0	70-130		6/28/13 0:07

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hoke Landfill
Sample Description:
Work Order: 13F0881

Date Received: 6/21/2013

Field Sample #: US
Sampled: 6/20/2013 14:05

Sample ID: 13F0881-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	0.70	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:38	KSH
Barium	24	20	2.4	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:38	KSH
Cadmium	ND	1.0	0.059	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:38	KSH
Chromium	ND	2.0	1.3	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:38	KSH
Lead	0.33	2.0	0.12	µg/L	2	J	SW-846 6020A	6/26/13	6/27/13 13:38	KSH
Mercury	ND	0.10	0.048	µg/L	1		SW-846 7470A	6/26/13	6/27/13 14:15	AMP
Selenium	ND	10	1.5	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:38	KSH
Silver	ND	1.0	0.13	µg/L	2		SW-846 6020A	6/26/13	6/27/13 13:38	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3005A-SW-846 6020A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13F0881-01 [MW-1]	B075717	50.0	50.0	06/26/13
13F0881-02 [MW-2]	B075717	50.0	50.0	06/26/13
13F0881-03 [MW-3]	B075717	50.0	50.0	06/26/13
13F0881-04 [MW-5]	B075717	50.0	50.0	06/26/13
13F0881-05 [MW-6]	B075717	50.0	50.0	06/26/13
13F0881-06 [MS]	B075717	50.0	50.0	06/26/13
13F0881-07 [DS]	B075717	50.0	50.0	06/26/13
13F0881-08 [US]	B075717	50.0	50.0	06/26/13

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13F0881-01 [MW-1]	B075721	6.00	6.00	06/26/13
13F0881-02 [MW-2]	B075721	6.00	6.00	06/26/13
13F0881-03 [MW-3]	B075721	6.00	6.00	06/26/13
13F0881-04 [MW-5]	B075721	6.00	6.00	06/26/13
13F0881-05 [MW-6]	B075721	6.00	6.00	06/26/13
13F0881-06 [MS]	B075721	6.00	6.00	06/26/13
13F0881-07 [DS]	B075721	6.00	6.00	06/26/13
13F0881-08 [US]	B075721	6.00	6.00	06/26/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13F0881-01 [MW-1]	B075751	5	5.00	06/27/13
13F0881-02 [MW-2]	B075751	5	5.00	06/27/13
13F0881-03 [MW-3]	B075751	5	5.00	06/27/13
13F0881-04 [MW-5]	B075751	5	5.00	06/27/13
13F0881-06 [MS]	B075751	5	5.00	06/27/13
13F0881-07 [DS]	B075751	5	5.00	06/27/13
13F0881-08 [US]	B075751	5	5.00	06/27/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13F0881-05 [MW-6]	B075852	5	5.00	06/28/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B075751 - SW-846 5035										
Blank (B075751-BLK1)				Prepared & Analyzed: 06/27/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	2.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Iodomethane	ND	10	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
Vinyl Acetate	ND	20	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*29.2*		µg/L	25.0		117	70-130			
Surrogate: Toluene-d8	*23.9*		µg/L	25.0		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	*23.1*		µg/L	25.0		92.4	70-130			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B075751 - SW-846 5035											
LCS (B075751-BS1)				Prepared & Analyzed: 06/27/13							
Acetone	99.4	50	µg/L	100		99.4	70-160				†
Acrylonitrile	11.5	5.0	µg/L	10.0		115	70-130				
Benzene	9.94	1.0	µg/L	10.0		99.4	70-130				
Bromochloromethane	9.70	1.0	µg/L	10.0		97.0	70-130				
Bromodichloromethane	9.21	0.50	µg/L	10.0		92.1	70-130				
Bromoform	9.41	1.0	µg/L	10.0		94.1	70-130				
Bromomethane	5.50	2.0	µg/L	10.0		55.0	40-160			V-20	†
2-Butanone (MEK)	117	20	µg/L	100		117	40-160			V-20	†
Carbon Disulfide	8.22	2.0	µg/L	10.0		82.2	70-130				
Carbon Tetrachloride	9.59	5.0	µg/L	10.0		95.9	70-130				
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Chlorodibromomethane	8.49	0.50	µg/L	10.0		84.9	70-130				
Chloroethane	8.63	2.0	µg/L	10.0		86.3	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				
Chloromethane	7.27	2.0	µg/L	10.0		72.7	40-160				†
1,2-Dibromo-3-chloropropane (DBCP)	10.6	5.0	µg/L	10.0		106	70-130				
1,2-Dibromoethane (EDB)	9.72	0.50	µg/L	10.0		97.2	70-130				
Dibromomethane	9.55	1.0	µg/L	10.0		95.5	70-130				
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
1,4-Dichlorobenzene	9.44	1.0	µg/L	10.0		94.4	70-130				
trans-1,4-Dichloro-2-butene	9.21	2.0	µg/L	10.0		92.1	70-130				
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichloroethane	9.64	1.0	µg/L	10.0		96.4	70-130				
1,1-Dichloroethylene	8.76	1.0	µg/L	10.0		87.6	70-130				
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130				
cis-1,3-Dichloropropene	8.23	0.50	µg/L	10.0		82.3	70-130				
trans-1,3-Dichloropropene	9.01	0.50	µg/L	10.0		90.1	70-130				
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160			V-20	†
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130				
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100		111	70-160			V-20	†
Styrene	9.44	1.0	µg/L	10.0		94.4	70-130				
1,1,1,2-Tetrachloroethane	9.32	1.0	µg/L	10.0		93.2	70-130				
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130				
Tetrachloroethylene	8.61	1.0	µg/L	10.0		86.1	70-130				
Toluene	9.44	1.0	µg/L	10.0		94.4	70-130				
1,1,1-Trichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130				
1,1,2-Trichloroethane	9.59	1.0	µg/L	10.0		95.9	70-130				
Trichloroethylene	8.81	1.0	µg/L	10.0		88.1	70-130				
Trichlorofluoromethane (Freon 11)	8.11	2.0	µg/L	10.0		81.1	70-130				
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106	70-130				
Vinyl Chloride	8.05	2.0	µg/L	10.0		80.5	40-160				†
m+p Xylene	21.7	2.0	µg/L	20.0		109	70-130				
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130				
Surrogate: 1,2-Dichloroethane-d4	*26.7*		µg/L	25.0		107	70-130				
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130				
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130				

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B075751 - SW-846 5035											
LCS Dup (B075751-BSD1)				Prepared & Analyzed: 06/27/13							
Acetone	101	50	µg/L	100		101	70-160	1.47	25		†
Acrylonitrile	11.6	5.0	µg/L	10.0		116	70-130	1.47	25		
Benzene	9.57	1.0	µg/L	10.0		95.7	70-130	3.79	25		
Bromochloromethane	9.37	1.0	µg/L	10.0		93.7	70-130	3.46	25		
Bromodichloromethane	9.10	0.50	µg/L	10.0		91.0	70-130	1.20	25		
Bromoform	9.20	1.0	µg/L	10.0		92.0	70-130	2.26	25		
Bromomethane	6.27	2.0	µg/L	10.0		62.7	40-160	13.1	25	V-20	†
2-Butanone (MEK)	120	20	µg/L	100		120	40-160	2.47	25	V-20	†
Carbon Disulfide	7.69	2.0	µg/L	10.0		76.9	70-130	6.66	25		
Carbon Tetrachloride	8.90	5.0	µg/L	10.0		89.0	70-130	7.46	25		
Chlorobenzene	9.60	1.0	µg/L	10.0		96.0	70-130	5.18	25		
Chlorodibromomethane	8.11	0.50	µg/L	10.0		81.1	70-130	4.58	25		
Chloroethane	8.48	2.0	µg/L	10.0		84.8	70-130	1.75	25		
Chloroform	9.87	2.0	µg/L	10.0		98.7	70-130	3.58	25		
Chloromethane	6.82	2.0	µg/L	10.0		68.2	40-160	6.39	25		†
1,2-Dibromo-3-chloropropane (DBCP)	9.90	5.0	µg/L	10.0		99.0	70-130	7.02	25		
1,2-Dibromoethane (EDB)	9.70	0.50	µg/L	10.0		97.0	70-130	0.206	25		
Dibromomethane	9.61	1.0	µg/L	10.0		96.1	70-130	0.626	25		
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	5.10	25		
1,4-Dichlorobenzene	9.19	1.0	µg/L	10.0		91.9	70-130	2.68	25		
trans-1,4-Dichloro-2-butene	9.74	2.0	µg/L	10.0		97.4	70-130	5.59	25		
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	0.197	25		
1,2-Dichloroethane	9.60	1.0	µg/L	10.0		96.0	70-130	0.416	25		
1,1-Dichloroethylene	8.55	1.0	µg/L	10.0		85.5	70-130	2.43	25		
cis-1,2-Dichloroethylene	9.52	1.0	µg/L	10.0		95.2	70-130	5.52	25		
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	3.92	25		
1,2-Dichloropropane	9.90	1.0	µg/L	10.0		99.0	70-130	1.70	25		
cis-1,3-Dichloropropene	7.84	0.50	µg/L	10.0		78.4	70-130	4.85	25		
trans-1,3-Dichloropropene	8.90	0.50	µg/L	10.0		89.0	70-130	1.23	25		
Ethylbenzene	9.61	1.0	µg/L	10.0		96.1	70-130	7.41	25		
2-Hexanone (MBK)	112	10	µg/L	100		112	70-160	3.61	25	V-20	†
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130	2.13	25		
4-Methyl-2-pentanone (MIBK)	116	10	µg/L	100		116	70-160	3.87	25	V-20	†
Styrene	8.96	1.0	µg/L	10.0		89.6	70-130	5.22	25		
1,1,1,2-Tetrachloroethane	8.86	1.0	µg/L	10.0		88.6	70-130	5.06	25		
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130	1.60	25		
Tetrachloroethylene	8.36	1.0	µg/L	10.0		83.6	70-130	2.95	25		
Toluene	8.99	1.0	µg/L	10.0		89.9	70-130	4.88	25		
1,1,1-Trichloroethane	9.40	1.0	µg/L	10.0		94.0	70-130	5.18	25		
1,1,2-Trichloroethane	9.61	1.0	µg/L	10.0		96.1	70-130	0.208	25		
Trichloroethylene	8.49	1.0	µg/L	10.0		84.9	70-130	3.70	25		
Trichlorofluoromethane (Freon 11)	7.70	2.0	µg/L	10.0		77.0	70-130	5.19	25		
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0		102	70-130	3.07	25		
Vinyl Chloride	7.52	2.0	µg/L	10.0		75.2	40-160	6.81	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	4.57	25		
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	4.58	25		
Surrogate: 1,2-Dichloroethane-d4	*26.9*		µg/L	25.0		107	70-130				
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		97.9	70-130				
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.2	70-130				

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B075852 - SW-846 5035										
Blank (B075852-BLK1)				Prepared: 06/28/13 Analyzed: 07/02/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Iodomethane	ND	10	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
Vinyl Acetate	ND	20	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*26.1*		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		103	70-130			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B075852 - SW-846 5035											
LCS (B075852-BS1)				Prepared: 06/28/13 Analyzed: 07/02/13							
Acetone	97.2	50	µg/L	100		97.2	70-160				†
Acrylonitrile	11.9	5.0	µg/L	10.0		119	70-130				
Benzene	9.80	1.0	µg/L	10.0		98.0	70-130				
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130				
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130				
Bromoform	10.2	1.0	µg/L	10.0		102	70-130				
Bromomethane	4.07	2.0	µg/L	10.0		40.7	40-160				†
2-Butanone (MEK)	118	20	µg/L	100		118	40-160				†
Carbon Disulfide	9.25	4.0	µg/L	10.0		92.5	70-130				
Carbon Tetrachloride	9.63	5.0	µg/L	10.0		96.3	70-130				
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130				
Chloroethane	8.95	2.0	µg/L	10.0		89.5	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				
Chloromethane	4.93	2.0	µg/L	10.0		49.3	40-160			V-05	†
1,2-Dibromo-3-chloropropane (DBCP)	12.9	5.0	µg/L	10.0		129	70-130			V-20	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130				
Dibromomethane	10.5	1.0	µg/L	10.0		105	70-130				
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130				
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
trans-1,4-Dichloro-2-butene	10.9	2.0	µg/L	10.0		109	70-130				
1,1-Dichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130				
1,2-Dichloroethane	9.13	1.0	µg/L	10.0		91.3	70-130				
1,1-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130				
cis-1,2-Dichloroethylene	9.31	1.0	µg/L	10.0		93.1	70-130				
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
1,2-Dichloropropane	9.64	1.0	µg/L	10.0		96.4	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130				
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
2-Hexanone (MBK)	119	10	µg/L	100		119	70-160				†
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130				
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160				†
Styrene	10.7	1.0	µg/L	10.0		107	70-130				
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	11.8	0.50	µg/L	10.0		118	70-130				
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
Toluene	10.1	1.0	µg/L	10.0		101	70-130				
1,1,1-Trichloroethane	9.69	1.0	µg/L	10.0		96.9	70-130				
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
Trichloroethylene	9.10	1.0	µg/L	10.0		91.0	70-130				
Trichlorofluoromethane (Freon 11)	8.47	2.0	µg/L	10.0		84.7	70-130				
1,2,3-Trichloropropane	11.9	2.0	µg/L	10.0		119	70-130				
Vinyl Chloride	7.18	2.0	µg/L	10.0		71.8	40-160				†
m+p Xylene	20.7	2.0	µg/L	20.0		103	70-130				
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.4	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130				

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B075852 - SW-846 5035												
LCS Dup (B075852-BSD1)				Prepared: 06/28/13 Analyzed: 07/02/13								
Acetone	103	50	µg/L	100		103		70-160	6.03	25		†
Acrylonitrile	12.3	5.0	µg/L	10.0		123		70-130	3.32	25		
Benzene	9.92	1.0	µg/L	10.0		99.2		70-130	1.22	25		
Bromochloromethane	10.7	1.0	µg/L	10.0		107		70-130	2.36	25		
Bromodichloromethane	10.0	0.50	µg/L	10.0		100		70-130	0.00	25		
Bromoform	10.9	1.0	µg/L	10.0		109		70-130	6.15	25		
Bromomethane	4.93	2.0	µg/L	10.0		49.3		40-160	19.1	25		†
2-Butanone (MEK)	119	20	µg/L	100		119		40-160	0.987	25		†
Carbon Disulfide	9.08	4.0	µg/L	10.0		90.8		70-130	1.85	25		
Carbon Tetrachloride	9.74	5.0	µg/L	10.0		97.4		70-130	1.14	25		
Chlorobenzene	11.0	1.0	µg/L	10.0		110		70-130	0.547	25		
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106		70-130	1.91	25		
Chloroethane	9.09	2.0	µg/L	10.0		90.9		70-130	1.55	25		
Chloroform	10.2	2.0	µg/L	10.0		102		70-130	0.785	25		
Chloromethane	5.68	2.0	µg/L	10.0		56.8		40-160	14.1	25	V-05	†
1,2-Dibromo-3-chloropropane (DBCP)	14.4	5.0	µg/L	10.0		**144**	*	70-130	10.9	25	L-07, V-20	
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113		70-130	2.87	25		
Dibromomethane	10.7	1.0	µg/L	10.0		107		70-130	1.60	25		
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106		70-130	2.24	25		
1,4-Dichlorobenzene	9.88	1.0	µg/L	10.0		98.8		70-130	1.31	25		
trans-1,4-Dichloro-2-butene	11.8	2.0	µg/L	10.0		118		70-130	7.96	25		
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102		70-130	3.18	25		
1,2-Dichloroethane	9.07	1.0	µg/L	10.0		90.7		70-130	0.659	25		
1,1-Dichloroethylene	9.59	1.0	µg/L	10.0		95.9		70-130	1.04	25		
cis-1,2-Dichloroethylene	9.76	1.0	µg/L	10.0		97.6		70-130	4.72	25		
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102		70-130	0.394	25		
1,2-Dichloropropane	9.94	1.0	µg/L	10.0		99.4		70-130	3.06	25		
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104		70-130	2.92	25		
trans-1,3-Dichloropropene	11.4	0.50	µg/L	10.0		114		70-130	0.969	25		
Ethylbenzene	10.0	1.0	µg/L	10.0		100		70-130	1.29	25		
2-Hexanone (MBK)	121	10	µg/L	100		121		70-160	1.29	25		†
Methylene Chloride	11.6	5.0	µg/L	10.0		116		70-130	4.23	25		
4-Methyl-2-pentanone (MIBK)	116	10	µg/L	100		116		70-160	2.08	25		†
Styrene	10.7	1.0	µg/L	10.0		107		70-130	0.187	25		
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102		70-130	0.0982	25		
1,1,2,2-Tetrachloroethane	12.4	0.50	µg/L	10.0		124		70-130	4.96	25		
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100		70-130	1.58	25		
Toluene	10.0	1.0	µg/L	10.0		100		70-130	1.09	25		
1,1,1-Trichloroethane	9.67	1.0	µg/L	10.0		96.7		70-130	0.207	25		
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102		70-130	2.13	25		
Trichloroethylene	9.19	1.0	µg/L	10.0		91.9		70-130	0.984	25		
Trichlorofluoromethane (Freon 11)	8.64	2.0	µg/L	10.0		86.4		70-130	1.99	25		
1,2,3-Trichloropropane	12.2	2.0	µg/L	10.0		122		70-130	2.00	25		
Vinyl Chloride	7.11	2.0	µg/L	10.0		71.1		40-160	0.980	25		†
m+p Xylene	20.9	2.0	µg/L	20.0		104		70-130	0.866	25		
o-Xylene	10.8	1.0	µg/L	10.0		108		70-130	0.279	25		
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.7		70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102		70-130				

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B075717 - SW-846 3005A										
Blank (B075717-BLK1)				Prepared: 06/26/13 Analyzed: 06/27/13						
Arsenic	ND	0.80	µg/L							
Barium	ND	20	µg/L							
Cadmium	ND	1.0	µg/L							
Chromium	ND	20	µg/L							
Lead	ND	2.0	µg/L							
Selenium	ND	10	µg/L							
Silver	ND	1.0	µg/L							
LCS (B075717-BS1)				Prepared: 06/26/13 Analyzed: 06/27/13						
Arsenic	250	2.0	µg/L	250		100	80-120			
Barium	241	50	µg/L	250		96.5	80-120			
Cadmium	253	2.5	µg/L	250		101	80-120			
Chromium	250	50	µg/L	250		100	80-120			
Lead	254	5.0	µg/L	250		102	80-120			
Selenium	251	25	µg/L	250		100	80-120			
Silver	266	2.5	µg/L	250		107	80-120			
LCS Dup (B075717-BSD1)				Prepared: 06/26/13 Analyzed: 06/27/13						
Arsenic	252	2.0	µg/L	250		101	80-120	0.700	20	
Barium	245	50	µg/L	250		98.1	80-120	1.63	20	
Cadmium	259	2.5	µg/L	250		103	80-120	2.07	20	
Chromium	252	50	µg/L	250		101	80-120	0.901	20	
Lead	259	5.0	µg/L	250		103	80-120	1.81	20	
Selenium	251	25	µg/L	250		100	80-120	0.0183	20	
Silver	268	2.5	µg/L	250		107	80-120	0.693	20	
Duplicate (B075717-DUP1)		**Source: 13F0881-02**		Prepared: 06/26/13 Analyzed: 06/27/13						
Arsenic	0.785	0.80	µg/L		ND			NC	20	J
Barium	31.1	20	µg/L		32.0			2.83	20	
Cadmium	0.174	1.0	µg/L		0.166			4.95	20	J
Chromium	ND	20	µg/L		ND			NC	20	
Lead	0.660	2.0	µg/L		0.678			2.74	20	J
Selenium	ND	10	µg/L		ND			NC	20	
Silver	ND	1.0	µg/L		ND			NC	20	
Matrix Spike (B075717-MS1)		**Source: 13F0881-02**		Prepared: 06/26/13 Analyzed: 06/27/13						
Arsenic	243	2.0	µg/L	250	ND	97.1	75-125			
Barium	265	50	µg/L	250	32.0	93.3	75-125			
Cadmium	243	2.5	µg/L	250	0.166	97.1	75-125			
Chromium	244	50	µg/L	250	ND	97.5	75-125			
Lead	250	5.0	µg/L	250	0.678	99.9	75-125			
Selenium	239	25	µg/L	250	ND	95.6	75-125			
Silver	249	2.5	µg/L	250	ND	99.6	75-125			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B075721 - SW-846 7470A Prep										
Blank (B075721-BLK1)				Prepared: 06/26/13	Analyzed: 06/27/13					
Mercury	ND	0.10	µg/L							
LCS (B075721-BS1)				Prepared: 06/26/13	Analyzed: 06/27/13					
Mercury	1.90	0.10	µg/L	2.00		95.1	80-120			
LCS Dup (B075721-BSD1)				Prepared: 06/26/13	Analyzed: 06/27/13					
Mercury	1.90	0.10	µg/L	2.00		94.8	80-120	0.325	20	
Duplicate (B075721-DUP1)		**Source: 13F0881-02**		Prepared: 06/26/13	Analyzed: 06/27/13					
Mercury	ND	0.10	µg/L		ND			NC	20	
Matrix Spike (B075721-MS1)		**Source: 13F0881-02**		Prepared: 06/26/13	Analyzed: 06/27/13					
Mercury	1.86	0.10	µg/L	2.00	ND	92.9	75-125			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Sample run on previously used vial. Results may be biased low for volatile analytes.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6020A in Water	
Arsenic	CT,NH,NY,NC,ME,VA
Barium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,RI,NC,ME,VA
Chromium	CT,NH,NY,NC,ME,VA
Lead	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,NC,ME,VA
Silver	CT,NH,NY,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,NY,ME,NH,VA
Acrylonitrile	CT,NY,ME,NH,VA
Benzene	CT,NY,ME,NH,VA
Bromochloromethane	NY,ME,NH,VA
Bromodichloromethane	CT,NY,ME,NH,VA
Bromoform	CT,NY,ME,NH,VA
Bromomethane	CT,NY,ME,NH,VA
2-Butanone (MEK)	CT,NY,ME,NH,VA
Carbon Disulfide	CT,NY,ME,NH,VA
Carbon Tetrachloride	CT,NY,ME,NH,VA
Chlorobenzene	CT,NY,ME,NH,VA
Chlorodibromomethane	CT,NY,ME,NH,VA
Chloroethane	CT,NY,ME,NH,VA
Chloroform	CT,NY,ME,NH,VA
Chloromethane	CT,NY,ME,NH,VA
Dibromomethane	NY,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,ME,NH,VA
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA
1,1-Dichloroethane	CT,NY,ME,NH,VA
1,2-Dichloroethane	CT,NY,ME,NH,VA
1,1-Dichloroethylene	CT,NY,ME,NH,VA
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA
1,2-Dichloropropane	CT,NY,ME,NH,VA
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA
Ethylbenzene	CT,NY,ME,NH,VA
2-Hexanone (MBK)	CT,NY,ME,NH,VA
Methylene Chloride	CT,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA
Styrene	CT,NY,ME,NH,VA
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA
Tetrachloroethylene	CT,NY,ME,NH,VA
Toluene	CT,NY,ME,NH,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1,1-Trichloroethane	CT,NY,ME,NH,VA
1,1,2-Trichloroethane	CT,NY,ME,NH,VA
Trichloroethylene	CT,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA
1,2,3-Trichloropropane	NY,ME,NH,VA
Vinyl Acetate	NY,ME,NH,VA
Vinyl Chloride	CT,NY,ME,NH,VA
m+p Xylene	CT,NY,ME,NH,VA
o-Xylene	CT,NY,ME,NH,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

Rev 11.09.2012

con-test® ANALYTICAL LABORATORY
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www.contestlabs.com

CHAIN OF CUSTODY RECORD

13F0881

39 Spruce Street
East longmeadow, MA 01028

Company Name: E2S
Address: 3008 Anderson Dr. St. 102
Raleigh, NC 27609
Attention: Pat Shillington
Project Location: Hoke
Sampled By: RWB

Telephone: (919)781-7798
Project #
Client PO#

DATA DELIVERY (check all that apply)
O FAX ☑ EMAIL O WEBSITE
Fax #
Email: e2s@bellsouth.net
Format: ☑ PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	8260 (47 VOC's)	Total RCRA Metals											# of Containers / ** Preservation / ***Container Code
-01	MW-1	6/20/13	11:30		X			X	X											
-02	MW-2		1:45		X			X	X											
-03	MW-3		1:30		X			X	X											
-04	MW-5		1:00		X			X	X											
-05	MW-6		12:15		X			X	X											
-06	MS		1:20		X			X	X											
-07	DS		1:10		X			X	X											
-08	US		2:05		X			X	X											

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Relinquished by: (signature)	Date/Time: 6/21/13 1630	
Received by: (signature)	Date/Time: 6/21/13 1630	
Relinquished by: (signature)	Date/Time: 6/25/13 3:45	
Received by: (signature) 3.2	Date/Time: 6.26.13 10:32	

Turnaround †
☐ 5-Day
☐ 7 Day
☐ 10-Day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
North Carolina
☐ 2L
☐ GWPC
☑ SWSL
☐ IHSB
☐ Other

Program Information
O DSCA
☑ SWS Landfill
O Other:
O IHSB Orphaned Landfill
O UST
O REC

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

Search Results (388 Records) - 12/8/2010 3:49:53 PM

All units are in (ug/L) unless noted.
NE = Not Established
CAS numbers that begin with "SW" are not real CAS numbers, instead this represents the Solid Waste Section's ID
Names in green signify Appendix I and II Constituents

CAS Number	Name	Other Names	2L Std.	GWP* Std.	SWSL **	SW ID
630-20-6	1,1,1,2-Tetrachloroethane	Ethane, 1,1,1,2-tetrachloro-	NE	1	5	190
71-55-6	1,1,1-Trichloroethane; Methylchloroform	Ethane, 1,1,1-trichloro-	200	--	1	200
79-34-5	1,1,2,2-Tetrachloroethane	Ethane, 1,1,2,2-tetrachloro-	0.2	0.18	3	191
79-00-5	1,1,2-Trichloroethane	Ethane, 1,1,2-trichloro-	NE	0.6	1	202
75-34-3	1,1-Dichloroethane; Ethylidene chloride	Ethane, 1,1-dichloro-	6	--	5	75
75-35-4	1,1-Dichloroethylene; 1,1-Dichloroethene;	Ethene, 1,1-dichloro-	7	--	5	77
96-18-4	1,2,3-Trichloropropane	Propane, 1,2,3-trichloro-	0.005	--	1	206
96-12-8	1,2-Dibromo-3-chloropropane; DBCP	Propane, 1,2-dibromo-3-chloro-	0.04	--	13	67
106-93-4	1,2-Dibromoethane; Ethylene dibromide; EDB	Ethane, 1,2-dibromo-	0.02	--	1	68
107-06-2	1,2-Dichloroethane; Ethylene dichloride	Ethane, 1,2-dichloro-	0.4	--	1	76
78-87-5	1,2-Dichloropropane	Propane, 1,2-dichloro-	0.6	--	1	82
591-78-6	2-Hexanone; Methyl butyl ketone	2-Hexanone	NE	280	50	124
108-10-1	4-Methyl-2-pentanone; Methyl isobutyl ketone	2-Pentanone, 4-methyl-	NE	560	100	147
67-64-1	Acetone	2-Propanone	6000	--	100	3
107-13-1	Acrylonitrile	2-Propenenitrile	NE	NE	200	8
71-43-2	Benzene	Benzene	1	--	1	16
74-97-5	Bromochloromethane; Chlorobromethane	Methane, bromochloro-	NE	0.6	3	28
75-27-4	Bromodichloromethane; Dichlorobromomethane	Methane, bromodichloro-	0.6	--	1	29
75-25-2	Bromoform; Tribromomethane	Methane, tribromo-	4	--	3	30
75-15-0	Carbon disulfide	Carbon disulfide	700	--	100	35
56-23-5	Carbon tetrachloride	Methane, tetrachloro-	0.3	--	1	36
108-90-7	Chlorobenzene	Benzene, chloro-	50	--	3	39
75-00-3	Chloroethane; Ethyl chloride	Ethane, chloro-	3000	--	10	41
67-66-3	Chloroform; Trichloromethane	Methane, trichloro-	70	--	5	44
156-59-2	cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene	Ethene, 1,2-dichloro-,(Z)-	70	--	5	78
10061-01-5	cis-1,3-Dichloropropene	1-Propene, 1,3-dichloro-, (Z)-	0.4	--	1	86
124-48-1	Dibromochloromethane; Chlorodibromomethane	Methane, dibromochloro-	0.4	0.41	3	66
100-41-4	Ethylbenzene	Benzene, ethyl-	600	--	1	110
74-83-9	Methyl bromide; Bromomethane	Methane, bromo-	NE	10	10	136
74-87-3	Methyl chloride; Chloromethane	Methane, chloro-	3	--	1	137
78-93-3	Methyl ethyl ketone; MEK; 2-Butanone	2-Butanone	4000	--	100	141
74-88-4	Methyl iodide; Iodomethane	Methane, iodo-	NE	NE	10	142
74-95-3	Methylene bromide; Dibromomethane	Methane, dibromo-	NE	70	10	139
75-09-2	Methylene chloride; Dichloromethane	Methane, dichloro-	5	--	1	140
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene	Benzene, 1,2-dichloro-	20	--	5	69
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene	Benzene, 1,4-dichloro-	6	--	1	71
100-42-5	Styrene	Benzene, ethenyl-	70	--	1	186
127-18-4	Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	Ethene, tetrachloro-	0.7	--	1	192

108-88-3	Toluene	Benzene, methyl-	600	--	1	196
156-60-5	trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene	Ethene, 1,2-dichloro-,(E)-	100	--	5	79
10061-02-6	trans-1,3-Dichloropropene	1-Propene, 1,3-dichloro-, (E)-	0.4	--	1	87
110-57-6	trans-1,4-Dichloro-2-butene	2-Butene, 1,4-dichloro-, (E)-	NE	NE	100	73
79-01-6	Trichloroethylene; Trichloroethene	Ethene, trichloro-	3	--	1	201
75-69-4	Trichlorofluoromethane; CFC-11	Methane,trichlorofluoro-	2000	--	1	203
108-05-4	Vinyl acetate	Acetic acid, ethenylester	NE	88	50	210
75-01-4	Vinyl chloride; Chloroethene	Ethene, chloro-	0.03	--	1	211
1330-20-7	Xylene (total)	dimethyl	500	--	5	346

* GWP = Groundwater Protection
** SWSL = Solid Waste Section Limit

	METALS					
CAS Number	**Name**	**Other Names**	**2L Std.**	**GWP* Std.**	**SWSL****	**SW ID**
7440-38-2	Arsenic	Arsenic	10	--	10	14
7440-39-3	Barium	Barium	700	--	100	15
7440-43-9	Cadmium	Cadmium	2	--	1	34
7440-47-3	Chromium	Chromium	10	--	10	51
7439-92-1	Lead	Lead	15	--	10	131
7439-97-6	Mercury	Mercury	1	--	0.2	132
7782-49-2	Selenium	Selenium	20	--	10	183
7440-22-4	Silver	Silver	20	--	10	184

FedEx

802703418750

Ship (P/U) date :
Tues 6/25/2013 3:17 pm
LATHAM, NY US

Delivered
Signed for by: C.COLLINS

Actual delivery :
Wed 6/26/2013 10:32 am
MA US

Let us tell you when your shipment arrives. Sign up for delivery notifications

Travel History

Date/Time	Activity	Location
- 6/26/2013 - Wednesday		
10:32 am	Delivered	MA
8:29 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
6:58 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	WINDSOR, CT
12:05 am	Arrived at FedEx location	NEWARK, NJ
- 6/25/2013 - Tuesday		
9:00 pm	Left FedEx origin facility	MENANDS, NY
3:17 pm	Picked up	MENANDS, NY

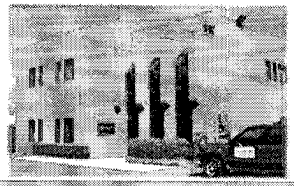
Local Scan Time

Shipment Facts

Tracking number	802703418750	**Service**	FedEx Priority Overnight
Weight	5 lbs	**Delivered To**	Shipping/Receiving
Total shipment weight	5 lbs / 2.3 kgs	**Shipper reference**	60265944 4
Packaging	Your Packaging	**Special handling section**	Deliver Weekday

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: E2S **RECEIVED BY:** PB **DATE:** 6-26-13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included
2) **Does the chain agree with the samples?** (Yes) No
   If not, explain:
3) **Are all the samples in good condition?** (Yes) No
   If not, explain:
4) **How were the samples received:**

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.2

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
   Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
   Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** Log in

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** (Yes) No N/A _____
9) **Do all samples have the proper Base pH:** Yes No (N/A) _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic	8	Plastic Bag / Ziploc	
40 mL Vial - type listed below	16	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 16 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen: