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 and Environmental Science Company, Inc.

JAN 25 2013

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		December 31, 2012

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

T. Patrick Shillington	President/Consultant	(919)781-7798
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

T. Patrick Shillington 01/22/13

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON

01/22/13

Revised 01/2007

E²S

ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY

3008 ANDERSON DRIVE, SUITE 102

RALEIGH, NC 27609

(919) 781-7798

January 11, 2013

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

RE: Monitoring Well Test Results
For 12/31/2012 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 December 31, 2012. 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

01/22/13

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 2C Surface Water	SWSL
19-01	MW-1	67-64-1	3	Acetone	60	ug/L	12/31/2012	1/7/2013	6000	-	100
19-01	MW-1	7440-38-2	14	Arsenic	7.2	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-1	7440-39-3	15	Barium	39	ug/L	12/31/2012	1/7/2013	700	-	100
19-01	MW-1	7440-43-9	34	Cadmium	4.1	ug/L	12/31/2012	1/7/2013	2	-	1
19-01	MW-1	7440-47-3	51	Chromium	11	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-1	7439-92-1	131	Lead	0.3	ug/L	12/31/2012	1/7/2013	15	-	10
19-01	MW-1			Well Elevation	251.19	ft.					
19-01	MW-1			Groundwater Depth	57.81	ft.					
19-01	MW-1			Water Level Elevation	193.38	ft.					
19-01	MW-1			Temperature	15.8	C					
19-01	MW-1			pH	6						
19-01	MW-1			Conductivity	21	mV					
19-01	MW-1			Total Suspended Solids	131	ppm					
19-01	MW-2	108-90-7	39	Chlorobenzene	1.6	ug/L	12/31/2012	1/7/2013	50	-	3
19-01	MW-2	106-46-7	71	1,4 Dichlorobenzene	**1.4**	ug/L	12/31/2012	1/7/2013	6	-	1
19-01	MW-2	75-34-3	75	1,1-Dichloroethane	1.1	ug/L	12/31/2012	1/7/2013	6	-	5
19-01	MW-2	156-59-2	78	cis-1,2-Dichloroethylene	1.7	ug/L	12/31/2012	1/7/2013	70	-	5
19-01	MW-2	7440-39-3	15	Barium	27	ug/L	12/31/2012	1/7/2013	700	-	100
19-01	MW-2	7440-43-9	34	Cadmium	0.15	ug/L	12/31/2012	1/7/2013	2	-	1
19-01	MW-2	7440-47-3	51	Chromium	9.2	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-2	7439-92-1	131	Lead	0.85	ug/L	12/31/2012	1/7/2013	15	-	10
19-01	MW-2	7439-97-6	346	Mercury	0.099	ug/L	12/31/2012	1/7/2013	500		5
19-01	MW-2			Well Elevation	217	ft.					
19-01	MW-2			Groundwater Depth	21.09	ft.					
19-01	MW-2			Water Level Elevation	195.91	ft.					
19-01	MW-2			Temperature	16.1	C					
19-01	MW-2			pH	5.8						
19-01	MW-2			Conductivity	212	mV					
19-01	MW-2			Total Suspended Solids	194	ppm					
19-01	MW-3	67-64-1	3	Acetone	60	ug/L	12/31/2012	1/7/2013	6000	-	100
19-01	MW-3	71-43-2	16	Benzene	2.1	ug/L	12/31/2012	1/7/2013	1	-	1
19-01	MW-3	108-90-7	39	Chlorobenzene	**3.1**	ug/L	12/31/2012	1/7/2013	50	-	3
19-01	MW-3	106-46-7	71	1,4 Dichlorobenzene	**3.5**	ug/L	12/31/2012	1/7/2013	6	-	1
19-01	MW-3	75-34-3	75	1,1 Dichloroethane	1.6	ug/L	12/31/2012	1/7/2013	6	-	5

Facility Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2C Surface Water	SWSL
19-01	MW-3	156-59-2	78	cis-1,2-Dichloroethylene	2.7	ug/L	12/31/2012	1/7/2013	70	-	5
19-01	MW-3	7440-38-2	14	Arsenic	15	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-3	7440-39-3	15	Barium	32	ug/L	12/31/2012	1/7/2013	700	-	100
19-01	MW-3	7440-43-9	34	Cadmium	13	ug/L	12/31/2012	1/7/2013	2	-	1
19-01	MW-3	7440-47-3	51	Chromium	9.9	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-3	7439-92-1	131	Lead	0.58	ug/L	12/31/2012	1/7/2013	15	-	10
19-01	MW-3	7782-49-2	183	Selenium	1.2	ug/l	12/31/2012	1/7/2013	20	-	10
19-01	MW-3			Well Elevation	212.64	ft.					
19-01	MW-3			Groundwater Depth	29.98	ft.					
19-01	MW-3			Water Level Elevation	182.66	ft.					
19-01	MW-3			Temperature	15.8	C					
19-01	MW-3			pH	5.9						
19-01	MW-3			Conductivity	28	mV					
19-01	MW-3			Total Suspended Solids	207	ppm					
19-01	MW-5	71-43-2	16	Benzene	5.6	ug/L	12/31/2012	1/7/2013	1	-	1
19-01	MW-5	108-90-7	39	Chlorobenzene	63	ug/L	12/31/2012	1/7/2013	50	-	3
19-01	MW-5	106-46-7	71	1,4 Dichlorobenzene	**5.5**	ug/L	12/31/2012	1/7/2013	6	-	1
19-01	MW-5	7440-38-2	14	Arsenic	13	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-5	7440-39-3	15	Barium	27	ug/L	12/31/2012	1/7/2013	700	-	100
19-01	MW-5	7440-43-9	34	Cadmium	2.1	ug/L	12/31/2012	1/7/2013	2	-	1
19-01	MW-5	7440-47-3	51	Chromium	9.1	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-5	7439-92-1	131	Lead	1.6	ug/L	12/31/2012	1/7/2013	15	-	10
19-01	MW-5			Well Elevation	227.81	ft.					
19-01	MW-5			Groundwater Depth	25.48	ft.					
19-01	MW-5			Water Level Elevation	202.33	ft.					
19-01	MW-5			Temperature	15.9	C					
19-01	MW-5			pH	6.1						
19-01	MW-5			Conductivity	19	mV					
19-01	MW-5			Total Suspended Solids	397	ppm					
19-01	MW-6	67-64-1	3	Acetone	53	ug/L	12/31/2012	1/7/2013	6000	-	100
19-01	MW-6	71-43-2	16	Benzene	3	ug/L	12/31/2012	1/7/2013	1	-	1
19-01	MW-6	108-90-7	39	Chlorobenzene	**8.2**	ug/L	12/31/2012	1/7/2013	50	-	3
19-01	MW-6	106-46-7	71	1,4 Dichlorobenzene	**5.2**	ug/L	12/31/2012	1/7/2013	6	-	1
19-01	MW-6	75-34-3	75	1,1-Dichloroethane	1.8	ug/L	12/31/2012	1/7/2013	6	-	5

Facility Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2C Surface Water	SWSL
19-01	MW-6	156-59-2	78	cis-1,2-Dichloroethylene	4.7	ug/L	12/31/2012	1/7/2013	70	-	5
19-01	MW-6	7440-38-2	14	Arsenic	16	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-6	7440-39-3	15	Barium	60	ug/L	12/31/2012	1/7/2013	700	-	100
19-01	MW-6	7440-43-9	34	Cadmium	0.37	ug/L	12/31/2012	1/7/2013	2	-	1
19-01	MW-6	7440-47-3	51	Chromium	7.3	ug/L	12/31/2012	1/7/2013	10	-	10
19-01	MW-6	7439-92-1	131	Lead	2.1	ug/L	12/31/2012	1/7/2013	15	-	10
19-01	MW-6	7782-49-2	183	Selenium	1.3	ug/l	12/31/2012	1/7/2013	20	-	10
19-01	MW-6			Well Elevation	204.65	ft.					
19-01	MW-6			Groundwater Depth	39.85	ft.					
19-01	MW-6			Water Level Elevation	164.8	ft.					
19-01	MW-6			Temperature	16.1	C					
19-01	MW-6			pH	6.3						
19-01	MW-6			Conductivity	107	mV					
19-01	MW-6			Total Suspended Solids	1388	ppm					
19-01	US	7440-39-3	15	Barium	36	ug/L	12/31/2012	1/7/2013	700	N/A	100
19-01	US	7440-43-9	34	Cadmium	0.084	ug/L	12/31/2012	1/7/2013	2	-	1
19-01	US	7440-47-3	51	Chromium	6.1	ug/L	12/31/2012	1/7/2013	10	50	10
19-01	US	7439-92-1	131	Lead	1.5	ug/L	12/31/2012	1/7/2013	15	25	10
19-01	US			Temperature	14.8	C					
19-01	US			pH	6.2					6-9	
19-01	US			Conductivity	149	mV					
19-01	US			Total Suspended Solids	83	ppm					
19-01	MS	7440-39-3	15	Barium	21	ug/L	12/31/2012	1/7/2013	700	N/A	100
19-01	MS	7440-47-3	51	Chromium	13	ug/L	12/31/2012	1/7/2013	10	50	10
19-01	MS	7439-92-1	131	Lead	0.19	ug/L	12/31/2012	1/7/2013	15	25	10
19-01	MS			Temperature	14.6	C					
19-01	MS			pH	6.1					6-9	
19-01	MS			Conductivity	101	mV					
19-01	MS			Total Suspended Solids	94	ppm					
19-01	DS	7440-39-3	15	Barium	21	ug/L	12/31/2012	1/7/2013	700	N/A	100
19-01	DS	7440-43-9	34	Cadmium	0.073	ug/L	12/31/2012	1/7/2013	2	-	1
19-01	DS	7440-47-3	51	Chromium	12	ug/L	12/31/2012	1/7/2013	10	50	10
19-01	DS	7439-92-1	131	Lead	0.42	ug/L	12/31/2012	1/7/2013	15	25	10
19-01	DS			Temperature	14.5	C					

Facility Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2C Surface Water	SWSL
19-01	DS			pH	6					6-9	
19-01	DS			Conductivity	142	mV					
19-01	DS			Total Suspended Solids	81	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

January 11, 2013

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

Project Location: Hoke LF
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 13A0076

Enclosed are results of analyses for samples received by the laboratory on January 2, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

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: 1/11/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13A0076

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

PROJECT LOCATION: Hoke LF

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1	13A0076-01	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-2	13A0076-02	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-3	13A0076-03	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-5	13A0076-04	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-6	13A0076-05	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
US	13A0076-06	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MS	13A0076-07	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
DS	13A0076-08	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	

con-test®
ANALYTICAL LABORATORY
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.

For 3030C prep, samples were received by the laboratory past the recommended holding time for filtration.

con-test® ANALYTICAL LABORATORY

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

SW-846 6020A

Qualifications:

Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

Analyte & Samples(s) Qualified:

Lead

13A0076-01[MW-1], B065739-DUP1

SW-846 8260B

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:

Carbon Disulfide

B065793-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B065745-BS1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bromomethane, Methylene Chloride

13A0076-01[MW-1], 13A0076-02[MW-2], 13A0076-03[MW-3], 13A0076-05[MW-6], B065745-BLK1, B065745-BS1, B065745-BSD1, 13A0076-04[MW-5], 13A0076-06[US], 13A0076-07[MS], 13A0076-08[DS], B065793-BLK1, B065793-BS1, B065793-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:

1,2,3-Trichlorobenzene, 1,4-Dioxane, Bromomethane, Naphthalene, tert-Butyl Alcohol (TBA)

13A0076-04[MW-5], 13A0076-06[US], 13A0076-07[MS], 13A0076-08[DS], B065793-BLK1, B065793-BS1, B065793-BSD1, 13A0076-01[MW-1], 13A0076-02[MW-2], 13A0076-03[MW-3], 13A0076-05[MW-6], B065745-BLK1, B065745-BS1, B065745-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, tert-Butyl Alcohol (TBA)

13A0076-04[MW-5], 13A0076-06[US], 13A0076-07[MS], 13A0076-08[DS], B065793-BLK1, B065793-BS1, B065793-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:

1,4-Dioxane, tert-Butyl Alcohol (TBA)

13A0076-01[MW-1], 13A0076-02[MW-2], 13A0076-03[MW-3], 13A0076-05[MW-6], B065745-BLK1, B065745-BS1, B065745-BSD1

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

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 LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-1 | Sampled: 12/31/2012 13:00

Sample ID: 13A0076-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	60	50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Bromomethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260B	1/7/13	1/7/13 16:30	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 16:30	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-1 | Sampled: 12/31/2012 13:00

Sample ID: 13A0076-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,4-Dioxane	ND	50	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Tetrahydrofuran	32	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 16:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	88.8	70-130		1/7/13 16:30
Toluene-d8	98.3	70-130		1/7/13 16:30
4-Bromofluorobenzene	103	70-130		1/7/13 16:30

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received. 1/2/2013

Field Sample #: MW-1 | Sampled: 12/31/2012 13:00

Sample ID: 13A0076-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	7.2	0.80	0.50	µg/L	2		SW-846 6020A	1/7/13	1/8/13 10:37	AMP
Barium	39	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:34	AMP
Cadmium	4.1	1.0	0.058	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:34	AMP
Chromium	11	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:34	AMP
Lead	0.30	2.0	0.095	µg/L	2	R-04, J	SW-846 6020A	1/7/13	1/7/13 15:34	AMP
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	1/7/13	1/7/13 12:02	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:34	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:34	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-2 | Sampled: 12/31/2012 14:10

Sample ID: 13A0076-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Bromomethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260B	1/7/13	1/7/13 17:01	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 17:01	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Chlorobenzene	1.6	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,4-Dichlorobenzene	1.4	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1-Dichloroethane	1.1	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
cis-1,2-Dichloroethylene	1.7	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Diethyl Ether	3.7	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-2 | Sampled 12/31/2012 14:10

Sample ID: 13A0076-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,4-Dioxane	ND	50	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	88.2	70-130		1/7/13 17:01
Toluene-d8	97.6	70-130		1/7/13 17:01
4-Bromofluorobenzene	102	70-130		1/7/13 17:01

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-2 | Sampled: 12/31/2012 14:10

Sample ID: 13A0076-02

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	0.50	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:38	AMP
Barium	27	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:38	AMP
Cadmium	0.15	1.0	0.058	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:38	AMP
Chromium	9.2	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:38	AMP
Lead	0.85	2.0	0.095	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:38	AMP
Mercury	0.099	0.10	0.047	µg/L	1	J	SW-846 7470A	1/7/13	1/7/13 12:04	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:38	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:38	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-3 | Sampled: 12/31/2012 15:10

Sample ID: 13A0076-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	60	50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Benzene	2.1	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Bromomethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260B	1/7/13	1/7/13 17:32	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 17:32	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Chlorobenzene	3.1	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,4-Dichlorobenzene	3.5	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1-Dichloroethane	1.6	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
cis-1,2-Dichloroethylene	2.7	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Diethyl Ether	8.5	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-3 | Sampled: 12/31/2012 15:10

Sample ID: 13A0076-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,4-Dioxane	ND	50	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 17:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	89.6	70-130		1/7/13 17:32
Toluene-d8	97.3	70-130		1/7/13 17:32
4-Bromofluorobenzene	103	70-130		1/7/13 17:32

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-3 | Sampled: 12/31/2012 15:10

Sample ID: 13A0076-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	0.80	0.50	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:42	AMP
Barium	32	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:42	AMP
Cadmium	13	1.0	0.058	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:42	AMP
Chromium	9.9	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:42	AMP
Lead	0.58	2.0	0.095	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:42	AMP
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	1/7/13	1/7/13 12:05	SAJ
Selenium	1.2	10	1.1	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:42	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:42	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-5 | Sampled: 12/31/2012 16:10

Sample ID: 13A0076-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Acrylonitrile	ND	10	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Benzene	5.6	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Bromodichloromethane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Bromoform	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Bromomethane	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
2-Butanone (MEK)	ND	40	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
tert-Butyl Alcohol (TBA)	ND	40	µg/L	2	V-05, V-16	SW-846 8260B	1/8/13	1/9/13 2:55	MFF
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Carbon Disulfide	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Carbon Tetrachloride	ND	10	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Chlorobenzene	63	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Chloroethane	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Chloroform	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Chloromethane	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,4-Dichlorobenzene	5.5	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
cis-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1-Dichloropropene	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
cis-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
trans-1,3-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Diethyl Ether	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-5 | Sampled: 12/31/2012 16:10

Sample ID: 13A0076-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,4-Dioxane	ND	100	µg/L	2	V-05, V-16	SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
2-Hexanone (MBK)	ND	20	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Methylene Chloride	ND	10	µg/L	2	R-05	SW-846 8260B	1/8/13	1/9/13 2:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Naphthalene	ND	4.0	µg/L	2	V-05	SW-846 8260B	1/8/13	1/9/13 2:55	MFF
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Styrene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1,1,2-Tetrachloroethane	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Tetrachloroethylene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Tetrahydrofuran	ND	20	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Toluene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2,3-Trichlorobenzene	ND	10	µg/L	2	V-05	SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2,4-Trichlorobenzene	ND	10	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,3,5-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Trichloroethylene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2,3-Trichloropropane	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
Vinyl Chloride	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
m+p Xylene	ND	4.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF
o-Xylene	ND	2.0	µg/L	2		SW-846 8260B	1/8/13	1/9/13 2:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		1/9/13 2:55
Toluene-d8	97.3	70-130		1/9/13 2:55
4-Bromofluorobenzene	99.6	70-130		1/9/13 2:55

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-5 | Sampled: 12/31/2012 16:10

Sample ID: 13A0076-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	0.80	0.50	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:45	AMP
Barium	27	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:45	AMP
Cadmium	2.1	1.0	0.058	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:45	AMP
Chromium	9.1	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:45	AMP
Lead	1.6	2.0	0.095	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:45	AMP
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	1/7/13	1/7/13 12:07	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:45	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:45	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-6 | Sampled: 12/31/2012 16:30

Sample ID: 13A0076-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	53	50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Benzene	3.0	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Bromomethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260B	1/7/13	1/7/13 18:02	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 18:02	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Chlorobenzene	8.2	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,4-Dichlorobenzene	5.2	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1-Dichloroethane	1.8	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
cis-1,2-Dichloroethylene	4.7	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Diethyl Ether	7.7	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF
Sample Description:
Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-6
Sampled: 12/31/2012 16:30

Sample ID: 13A0076-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,4-Dioxane	ND	50	µg/L	1	V-20	SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Methyl tert-Butyl Ether (MTBE)	2.1	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	1/7/13	1/7/13 18:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	90.5	70-130		1/7/13 18:02
Toluene-d8	97.8	70-130		1/7/13 18:02
4-Bromofluorobenzene	103	70-130		1/7/13 18:02

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF

Sample Description:

Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MW-6

Sampled: 12/31/2012 16:30

Sample ID: 13A0076-05

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	0.50	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:49	AMP
Barium	60	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:49	AMP
Cadmium	0.37	1.0	0.058	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:49	AMP
Chromium	7.3	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:49	AMP
Lead	2.1	2.0	0.095	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:49	AMP
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	1/7/13	1/7/13 12:09	SAJ
Selenium	1.3	10	1.1	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 15:49	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 15:49	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: US | Sampled: 12/31/2012 16:50

Sample ID: 13A0076-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05, V-16	SW-846 8260B	1/8/13	1/9/13 1:53	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: US | Sampled: 12/31/2012 16:50

Sample ID: 13A0076-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Methylene Chloride	ND	5.0	µg/L	1	R-05	SW-846 8260B	1/8/13	1/9/13 1:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	1/8/13	1/9/13 1:53	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 1:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		1/9/13 1:53
Toluene-d8	98.7	70-130		1/9/13 1:53
4-Bromofluorobenzene	98.5	70-130		1/9/13 1:53

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: US | Sampled: 12/31/2012 16:50

Sample ID: 13A0076-06

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	0.50	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:05	AMP
Barium	36	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:05	AMP
Cadmium	0.084	1.0	0.058	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:05	AMP
Chromium	6.1	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:05	AMP
Lead	1.5	2.0	0.095	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:05	AMP
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	1/7/13	1/7/13 12:10	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:05	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:05	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MS | Sampled: 12/31/2012 16:35

Sample ID: 13A0076-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05, V-16	SW-846 8260B	1/8/13	1/9/13 2:24	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MS | Sampled: 12/31/2012 16:35

Sample ID: 13A0076-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Methylene Chloride	ND	5.0	µg/L	1	R-05	SW-846 8260B	1/8/13	1/9/13 2:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	1/8/13	1/9/13 2:24	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/9/13 2:24	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		1/9/13 2:24
Toluene-d8	97.9	70-130		1/9/13 2:24
4-Bromofluorobenzene	98.4	70-130		1/9/13 2:24

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: MS | Sampled: 12/31/2012 16:35

Sample ID: 13A0076-07

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	0.50	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:08	AMP
Barium	21	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:08	AMP
Cadmium	ND	1.0	0.058	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:08	AMP
Chromium	13	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:08	AMP
Lead	0.19	2.0	0.095	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:08	AMP
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	1/7/13	1/7/13 12:12	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:08	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:08	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF | Sample Description: | Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: DS | Sampled: 12/31/2012 16:40

Sample ID: 13A0076-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05, V-16	SW-846 8260B	1/8/13	1/8/13 23:50	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF

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

Project Location: Hoke LF
Sample Description:
Work Order: 13A0076
Date Received: 1/2/2013
Field Sample #: DS
Sampled: 12/31/2012 16:40
Sample ID: 13A0076-08
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Methylene Chloride	ND	5.0	µg/L	1	R-05	SW-846 8260B	1/8/13	1/8/13 23:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	1/8/13	1/8/13 23:50	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	V-05	SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	1/8/13	1/8/13 23:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		1/8/13 23:50
Toluene-d8	98.7	70-130		1/8/13 23:50
4-Bromofluorobenzene	100	70-130		1/8/13 23:50

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke LF
Sample Description:
Work Order: 13A0076

Date Received: 1/2/2013

Field Sample #: DS
Sampled: 12/31/2012 16:40

Sample ID: 13A0076-08

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	0.50	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:12	AMP
Barium	21	20	0.67	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:12	AMP
Cadmium	0.073	1.0	0.058	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:12	AMP
Chromium	12	20	0.69	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:12	AMP
Lead	0.42	2.0	0.095	µg/L	2	J	SW-846 6020A	1/7/13	1/7/13 16:12	AMP
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	1/7/13	1/7/13 12:19	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:12	AMP
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	1/7/13	1/7/13 16:12	AMP

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

Prep Method: SM 3030C-SW-846 6020A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13A0076-01 [MW-1]	B065739	50.0	50.0	01/07/13
13A0076-02 [MW-2]	B065739	50.0	50.0	01/07/13
13A0076-03 [MW-3]	B065739	50.0	50.0	01/07/13
13A0076-04 [MW-5]	B065739	50.0	50.0	01/07/13
13A0076-05 [MW-6]	B065739	50.0	50.0	01/07/13
13A0076-06 [US]	B065739	50.0	50.0	01/07/13
13A0076-07 [MS]	B065739	50.0	50.0	01/07/13
13A0076-08 [DS]	B065739	50.0	50.0	01/07/13

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13A0076-01 [MW-1]	B065732	6.00	6.00	01/07/13
13A0076-02 [MW-2]	B065732	6.00	6.00	01/07/13
13A0076-03 [MW-3]	B065732	6.00	6.00	01/07/13
13A0076-04 [MW-5]	B065732	6.00	6.00	01/07/13
13A0076-05 [MW-6]	B065732	6.00	6.00	01/07/13
13A0076-06 [US]	B065732	6.00	6.00	01/07/13
13A0076-07 [MS]	B065732	6.00	6.00	01/07/13
13A0076-08 [DS]	B065732	6.00	6.00	01/07/13

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13A0076-01 [MW-1]	B065745	5	5.00	01/07/13
13A0076-02 [MW-2]	B065745	5	5.00	01/07/13
13A0076-03 [MW-3]	B065745	5	5.00	01/07/13
13A0076-05 [MW-6]	B065745	5	5.00	01/07/13

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13A0076-04 [MW-5]	B065793	2.5	5.00	01/08/13
13A0076-06 [US]	B065793	5	5.00	01/08/13
13A0076-07 [MS]	B065793	5	5.00	01/08/13
13A0076-08 [DS]	B065793	5	5.00	01/08/13

con-test® ANALYTICAL LABORATORY

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 B065745 - SW-846 5030B										
Blank (B065745-BLK1)				Prepared & Analyzed: 01/07/13						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05, V-05
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-20
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	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							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	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							
1,3-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							
Dichlorodifluoromethane (Freon 12)	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							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-20
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							

con-test® ANALYTICAL LABORATORY

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 B065745 - SW-846 5030B												
Blank (B065745-BLK1)				Prepared & Analyzed: 01/07/13								
Methylene Chloride	ND	5.0	µg/L									
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L									
Naphthalene	ND	2.0	µg/L									
n-Propylbenzene	ND	1.0	µg/L									
Styrene	ND	1.0	µg/L									
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L									
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L									
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L									
1,2,4-Trichlorobenzene	ND	5.0	µg/L									
1,3,5-Trichlorobenzene	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									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	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	*22.7*		µg/L	25.0		90.6		70-130				
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		96.6		70-130				
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		102		70-130				
LCS (B065745-BS1)				Prepared & Analyzed: 01/07/13								
Acetone	102	50	µg/L	100		102		70-160				†
Acrylonitrile	11.0	5.0	µg/L	10.0		110		70-130				
tert-Amyl Methyl Ether (TAME)	9.55	0.50	µg/L	10.0		95.5		70-130				
Benzene	10.6	1.0	µg/L	10.0		106		70-130				
Bromobenzene	10.7	1.0	µg/L	10.0		107		70-130				
Bromochloromethane	11.3	1.0	µg/L	10.0		113		70-130				
Bromodichloromethane	9.54	1.0	µg/L	10.0		95.4		70-130				
Bromoform	9.14	1.0	µg/L	10.0		91.4		70-130				
Bromomethane	3.48	2.0	µg/L	10.0		**34.8**	*	40-160			L-07A, R-05, V-05	†
2-Butanone (MEK)	89.5	20	µg/L	100		89.5		40-160				†
tert-Butyl Alcohol (TBA)	78.6	20	µg/L	100		78.6		40-160			V-20	†
n-Butylbenzene	9.88	1.0	µg/L	10.0		98.8		70-130				
sec-Butylbenzene	9.76	1.0	µg/L	10.0		97.6		70-130				
tert-Butylbenzene	9.56	1.0	µg/L	10.0		95.6		70-130				
tert-Butyl Ethyl Ether (TBEE)	9.79	0.50	µg/L	10.0		97.9		70-130				
Carbon Disulfide	7.16	2.0	µg/L	10.0		71.6		70-130				
Carbon Tetrachloride	9.35	5.0	µg/L	10.0		93.5		70-130				
Chlorobenzene	10.7	1.0	µg/L	10.0		107		70-130				
Chlorodibromomethane	8.17	0.50	µg/L	10.0		81.7		70-130				
Chloroethane	8.26	2.0	µg/L	10.0		82.6		70-130				
Chloroform	9.89	2.0	µg/L	10.0		98.9		70-130				
Chloromethane	7.75	2.0	µg/L	10.0		77.5		40-160				†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102		70-130				

con-test® ANALYTICAL LABORATORY

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 B065745 - SW-846 5030B											
LCS (B065745-BS1)				Prepared & Analyzed: 01/07/13							
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.49	5.0	µg/L	10.0		94.9	70-130				
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130				
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130				
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
1,3-Dichlorobenzene	9.82	1.0	µg/L	10.0		98.2	70-130				
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,4-Dichloro-2-butene	9.65	2.0	µg/L	10.0		96.5	70-130				
Dichlorodifluoromethane (Freon 12)	7.03	2.0	µg/L	10.0		70.3	40-160				†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130				
1,2-Dichloroethane	9.29	1.0	µg/L	10.0		92.9	70-130				
1,1-Dichloroethylene	8.19	1.0	µg/L	10.0		81.9	70-130				
cis-1,2-Dichloroethylene	9.62	1.0	µg/L	10.0		96.2	70-130				
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130				
2,2-Dichloropropane	8.81	1.0	µg/L	10.0		88.1	40-130				†
1,1-Dichloropropene	10.2	2.0	µg/L	10.0		102	70-130				
cis-1,3-Dichloropropene	8.05	0.50	µg/L	10.0		80.5	70-130				
trans-1,3-Dichloropropene	8.28	0.50	µg/L	10.0		82.8	70-130				
Diethyl Ether	7.71	2.0	µg/L	10.0		77.1	70-130				
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0		113	70-130				
1,4-Dioxane	109	50	µg/L	100		109	40-130			V-20	†
Ethylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
Hexachlorobutadiene	11.0	0.50	µg/L	10.0		110	70-130				
2-Hexanone (MBK)	96.1	10	µg/L	100		96.1	70-160				†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0		107	70-130				
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130				
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130				
Methylene Chloride	9.57	5.0	µg/L	10.0		95.7	70-130				
4-Methyl-2-pentanone (MIBK)	95.1	10	µg/L	100		95.1	70-160				†
Naphthalene	11.0	2.0	µg/L	10.0		110	40-130				†
n-Propylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
Styrene	10.6	1.0	µg/L	10.0		106	70-130				
1,1,1,2-Tetrachloroethane	9.95	2.0	µg/L	10.0		99.5	70-130				
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130				
Tetrahydrofuran	10.3	10	µg/L	10.0		103	70-130				
Toluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2,3-Trichlorobenzene	11.2	5.0	µg/L	10.0		112	70-130				
1,2,4-Trichlorobenzene	10.9	5.0	µg/L	10.0		109	70-130				
1,3,5-Trichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130				
1,1,1-Trichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130				
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130				
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	9.23	2.0	µg/L	10.0		92.3	70-130				
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.41	1.0	µg/L	10.0		94.1	70-130				
1,2,4-Trimethylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130				
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
Vinyl Chloride	7.24	2.0	µg/L	10.0		72.4	40-160				†

con-test® ANALYTICAL LABORATORY

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 B065745 - SW-846 5030B											
LCS (B065745-BS1)				Prepared & Analyzed: 01/07/13							
m+p Xylene	21.7	2.0	µg/L	20.0		108	70-130				
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.2*		µg/L	25.0		88.7	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.8	70-130				
Surrogate: 4-Bromofluorobenzene	*26.8*		µg/L	25.0		107	70-130				
LCS Dup (B065745-BSD1)				Prepared & Analyzed: 01/07/13							
Acetone	124	50	µg/L	100		124	70-160	19.3	25		†
Acrylonitrile	8.65	5.0	µg/L	10.0		86.5	70-130	23.7	25		
tert-Amyl Methyl Ether (TAME)	9.39	0.50	µg/L	10.0		93.9	70-130	1.69	25		
Benzene	10.3	1.0	µg/L	10.0		103	70-130	2.39	25		
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.37	25		
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	4.32	25		
Bromodichloromethane	9.31	1.0	µg/L	10.0		93.1	70-130	2.44	25		
Bromoform	8.81	1.0	µg/L	10.0		88.1	70-130	3.68	25		
Bromomethane	5.42	2.0	µg/L	10.0		54.2	40-160	**43.6** *	25	R-05, V-05	†
2-Butanone (MEK)	86.0	20	µg/L	100		86.0	40-160	4.04	25		†
tert-Butyl Alcohol (TBA)	72.8	20	µg/L	100		72.8	40-160	7.77	25	V-20	†
n-Butylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	2.25	25		
sec-Butylbenzene	9.61	1.0	µg/L	10.0		96.1	70-130	1.55	25		
tert-Butylbenzene	9.38	1.0	µg/L	10.0		93.8	70-130	1.90	25		
tert-Butyl Ethyl Ether (TBEE)	9.75	0.50	µg/L	10.0		97.5	70-130	0.409	25		
Carbon Disulfide	8.76	2.0	µg/L	10.0		87.6	70-130	20.1	25		
Carbon Tetrachloride	8.87	5.0	µg/L	10.0		88.7	70-130	5.27	25		
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.23	25		
Chlorodibromomethane	7.91	0.50	µg/L	10.0		79.1	70-130	3.23	25		
Chloroethane	9.83	2.0	µg/L	10.0		98.3	70-130	17.4	25		
Chloroform	9.65	2.0	µg/L	10.0		96.5	70-130	2.46	25		
Chloromethane	8.31	2.0	µg/L	10.0		83.1	40-160	6.97	25		†
2-Chlorotoluene	9.87	1.0	µg/L	10.0		98.7	70-130	3.58	25		
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	2.28	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.78	5.0	µg/L	10.0		87.8	70-130	7.77	25		
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130	3.33	25		
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130	1.35	25		
1,2-Dichlorobenzene	9.84	1.0	µg/L	10.0		98.4	70-130	1.61	25		
1,3-Dichlorobenzene	9.72	1.0	µg/L	10.0		97.2	70-130	1.02	25		
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.879	25		
trans-1,4-Dichloro-2-butene	8.98	2.0	µg/L	10.0		89.8	70-130	7.19	25		
Dichlorodifluoromethane (Freon 12)	6.82	2.0	µg/L	10.0		68.2	40-160	3.03	25		†
1,1-Dichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130	11.8	25		
1,2-Dichloroethane	9.07	1.0	µg/L	10.0		90.7	70-130	2.40	25		
1,1-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130	14.6	25		
cis-1,2-Dichloroethylene	9.50	1.0	µg/L	10.0		95.0	70-130	1.26	25		
trans-1,2-Dichloroethylene	8.31	1.0	µg/L	10.0		83.1	70-130	21.1	25		
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	0.287	25		
1,3-Dichloropropane	10.1	0.50	µg/L	10.0		101	70-130	2.06	25		
2,2-Dichloropropane	8.37	1.0	µg/L	10.0		83.7	40-130	5.12	25		†
1,1-Dichloropropene	9.88	2.0	µg/L	10.0		98.8	70-130	2.89	25		
cis-1,3-Dichloropropene	7.77	0.50	µg/L	10.0		77.7	70-130	3.54	25		
trans-1,3-Dichloropropene	7.85	0.50	µg/L	10.0		78.5	70-130	5.33	25		
Diethyl Ether	9.71	2.0	µg/L	10.0		97.1	70-130	23.0	25		
Diisopropyl Ether (DIPE)	11.2	0.50	µg/L	10.0		112	70-130	0.979	25		

con-test® ANALYTICAL LABORATORY

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 B065745 - SW-846 5030B											
LCS Dup (B065745-BSD1)				Prepared & Analyzed: 01/07/13							
1,4-Dioxane	95.3	50	µg/L	100		95.3	40-130	13.2	50	V-20	† ‡
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	2.61	25		
Hexachlorobutadiene	10.8	0.50	µg/L	10.0		108	70-130	2.48	25		
2-Hexanone (MBK)	89.4	10	µg/L	100		89.4	70-160	7.24	25		†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	3.72	25		
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104	70-130	1.34	25		
Methyl tert-Butyl Ether (MTBE)	9.05	1.0	µg/L	10.0		90.5	70-130	12.6	25		
Methylene Chloride	7.63	5.0	µg/L	10.0		76.3	70-130	22.6	25		
4-Methyl-2-pentanone (MIBK)	90.0	10	µg/L	100		90.0	70-160	5.56	25		†
Naphthalene	9.71	2.0	µg/L	10.0		97.1	40-130	12.5	25		†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130	3.13	25		
Styrene	10.3	1.0	µg/L	10.0		103	70-130	2.50	25		
1,1,1,2-Tetrachloroethane	9.68	2.0	µg/L	10.0		96.8	70-130	2.75	25		
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130	5.48	25		
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.16	25		
Tetrahydrofuran	9.55	10	µg/L	10.0		95.5	70-130	7.65	25		
Toluene	10.0	1.0	µg/L	10.0		100	70-130	3.23	25		
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0		100	70-130	10.6	25		
1,2,4-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	6.91	25		
1,3,5-Trichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	2.46	25		
1,1,1-Trichloroethane	9.25	1.0	µg/L	10.0		92.5	70-130	4.03	25		
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	2.11	25		
Trichloroethylene	9.97	1.0	µg/L	10.0		99.7	70-130	2.57	25		
Trichlorofluoromethane (Freon 11)	9.79	2.0	µg/L	10.0		97.9	70-130	5.89	25		
1,2,3-Trichloropropane	9.99	2.0	µg/L	10.0		99.9	70-130	4.79	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	15.0	25		
1,2,4-Trimethylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130	2.03	25		
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.99	25		
Vinyl Chloride	7.81	2.0	µg/L	10.0		78.1	40-160	7.57	25		†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	3.04	25		
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	2.88	25		
Surrogate: 1,2-Dichloroethane-d4	*21.8*		µg/L	25.0		87.1	70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.3	70-130				
Surrogate: 4-Bromofluorobenzene	*26.2*		µg/L	25.0		105	70-130				
Batch B065793 - SW-846 5030B											
Blank (B065793-BLK1)				Prepared & Analyzed: 01/08/13							
Acetone	ND	50	µg/L								
Acrylonitrile	ND	5.0	µg/L								
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L								
Benzene	ND	1.0	µg/L								
Bromobenzene	ND	1.0	µg/L								
Bromochloromethane	ND	1.0	µg/L								
Bromodichloromethane	ND	1.0	µg/L								
Bromoform	ND	1.0	µg/L								
Bromomethane	ND	2.0	µg/L								
2-Butanone (MEK)	ND	20	µg/L								
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05, V-16	
n-Butylbenzene	ND	1.0	µg/L								
sec-Butylbenzene	ND	1.0	µg/L								
tert-Butylbenzene	ND	1.0	µg/L								

con-test® ANALYTICAL LABORATORY

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 B065793 - SW-846 5030B										
Blank (B065793-BLK1)				Prepared & Analyzed: 01/08/13						
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	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							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	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							
1,3-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							
Dichlorodifluoromethane (Freon 12)	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							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05, V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							R-05
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							

con-test® ANALYTICAL LABORATORY

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 B065793 - SW-846 5030B											
Blank (B065793-BLK1)				Prepared & Analyzed: 01/08/13							
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								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	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	*25.2*		µg/L	25.0		101	70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.8	70-130				
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.4	70-130				
LCS (B065793-BS1)				Prepared & Analyzed: 01/08/13							
Acetone	84.2	50	µg/L	100		84.2	70-160				†
Acrylonitrile	11.4	5.0	µg/L	10.0		114	70-130				
tert-Amyl Methyl Ether (TAME)	8.98	0.50	µg/L	10.0		89.8	70-130				
Benzene	10.9	1.0	µg/L	10.0		109	70-130				
Bromobenzene	10.7	1.0	µg/L	10.0		107	70-130				
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130				
Bromodichloromethane	9.49	1.0	µg/L	10.0		94.9	70-130				
Bromoform	8.64	1.0	µg/L	10.0		86.4	70-130				
Bromomethane	4.28	2.0	µg/L	10.0		42.8	40-160				†
2-Butanone (MEK)	92.7	20	µg/L	100		92.7	40-160				†
tert-Butyl Alcohol (TBA)	62.4	20	µg/L	100		62.4	40-160			V-05, V-16	†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.66	0.50	µg/L	10.0		96.6	70-130				
Carbon Disulfide	7.78	2.0	µg/L	10.0		77.8	70-130				
Carbon Tetrachloride	9.07	5.0	µg/L	10.0		90.7	70-130				
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
Chlorodibromomethane	7.84	0.50	µg/L	10.0		78.4	70-130				
Chloroethane	9.62	2.0	µg/L	10.0		96.2	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				
Chloromethane	8.23	2.0	µg/L	10.0		82.3	40-160				†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130				
4-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.75	5.0	µg/L	10.0		87.5	70-130				
1,2-Dibromoethane (EDB)	9.78	0.50	µg/L	10.0		97.8	70-130				
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
trans-1,4-Dichloro-2-butene	8.86	2.0	µg/L	10.0		88.6	70-130				
Dichlorodifluoromethane (Freon 12)	6.57	2.0	µg/L	10.0		65.7	40-160				†
1,1-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
1,2-Dichloroethane	9.77	1.0	µg/L	10.0		97.7	70-130				
1,1-Dichloroethylene	9.62	1.0	µg/L	10.0		96.2	70-130				
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130				
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130				

con-test® ANALYTICAL LABORATORY

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 B065793 - SW-846 5030B											
LCS (B065793-BS1)				Prepared & Analyzed: 01/08/13							
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130				
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130				
2,2-Dichloropropane	6.98	1.0	µg/L	10.0		69.8	40-130				†
1,1-Dichloropropene	10.4	2.0	µg/L	10.0		104	70-130				
cis-1,3-Dichloropropene	7.49	0.50	µg/L	10.0		74.9	70-130				
trans-1,3-Dichloropropene	7.39	0.50	µg/L	10.0		73.9	70-130				
Diethyl Ether	9.40	2.0	µg/L	10.0		94.0	70-130				
Diisopropyl Ether (DIPE)	12.2	0.50	µg/L	10.0		122	70-130				
1,4-Dioxane	82.6	50	µg/L	100		82.6	40-130			V-05, V-16	†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
Hexachlorobutadiene	10.2	0.50	µg/L	10.0		102	70-130				
2-Hexanone (MBK)	92.0	10	µg/L	100		92.0	70-160				†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130				
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.0		108	70-130				
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130				
Methylene Chloride	8.11	5.0	µg/L	10.0		81.1	70-130			R-05	
4-Methyl-2-pentanone (MIBK)	94.0	10	µg/L	100		94.0	70-160				†
Naphthalene	8.03	2.0	µg/L	10.0		80.3	40-130			V-05	†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
Styrene	10.3	1.0	µg/L	10.0		103	70-130				
1,1,1,2-Tetrachloroethane	9.46	2.0	µg/L	10.0		94.6	70-130				
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130				
Tetrachloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130				
Tetrahydrofuran	10.1	10	µg/L	10.0		101	70-130				
Toluene	10.0	1.0	µg/L	10.0		100	70-130				
1,2,3-Trichlorobenzene	8.11	5.0	µg/L	10.0		81.1	70-130			V-05	
1,2,4-Trichlorobenzene	8.43	5.0	µg/L	10.0		84.3	70-130				
1,3,5-Trichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130				
1,1,1-Trichloroethane	9.35	1.0	µg/L	10.0		93.5	70-130				
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130				
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100	70-130				
1,2,3-Trichloropropane	9.65	2.0	µg/L	10.0		96.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130				
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
Vinyl Chloride	7.64	2.0	µg/L	10.0		76.4	40-160				†
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130				
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.0	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.0	70-130				
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103	70-130				

con-test® ANALYTICAL LABORATORY

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 B065793 - SW-846 5030B											
LCS Dup (B065793-BSD1)				Prepared & Analyzed: 01/08/13							
Acetone	78.6	50	µg/L	100		78.6	70-160	6.96	25		†
Acrylonitrile	12.2	5.0	µg/L	10.0		122	70-130	6.27	25		
tert-Amyl Methyl Ether (TAME)	9.14	0.50	µg/L	10.0		91.4	70-130	1.77	25		
Benzene	10.7	1.0	µg/L	10.0		107	70-130	1.48	25		
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.658	25		
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	3.70	25		
Bromodichloromethane	9.63	1.0	µg/L	10.0		96.3	70-130	1.46	25		
Bromoform	8.76	1.0	µg/L	10.0		87.6	70-130	1.38	25		
Bromomethane	4.97	2.0	µg/L	10.0		49.7	40-160	14.9	25		†
2-Butanone (MEK)	99.4	20	µg/L	100		99.4	40-160	6.96	25		†
tert-Butyl Alcohol (TBA)	68.6	20	µg/L	100		68.6	40-160	9.54	25	V-05, V-16	†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.38	25		
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.981	25		
tert-Butylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130	1.91	25		
tert-Butyl Ethyl Ether (TBEE)	9.82	0.50	µg/L	10.0		98.2	70-130	1.64	25		
Carbon Disulfide	6.32	2.0	µg/L	10.0		**63.2** *	70-130	20.7	25	L-07	
Carbon Tetrachloride	9.02	5.0	µg/L	10.0		90.2	70-130	0.553	25		
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.24	25		
Chlorodibromomethane	7.83	0.50	µg/L	10.0		78.3	70-130	0.128	25		
Chloroethane	8.41	2.0	µg/L	10.0		84.1	70-130	13.4	25		
Chloroform	10.2	2.0	µg/L	10.0		102	70-130	0.196	25		
Chloromethane	8.10	2.0	µg/L	10.0		81.0	40-160	1.59	25		†
2-Chlorotoluene	9.86	1.0	µg/L	10.0		98.6	70-130	3.10	25		
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	2.22	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.44	5.0	µg/L	10.0		94.4	70-130	7.59	25		
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130	2.82	25		
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130	0.867	25		
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.66	25		
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.296	25		
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.567	25		
trans-1,4-Dichloro-2-butene	9.32	2.0	µg/L	10.0		93.2	70-130	5.06	25		
Dichlorodifluoromethane (Freon 12)	6.46	2.0	µg/L	10.0		64.6	40-160	1.69	25		†
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.19	25		
1,2-Dichloroethane	9.75	1.0	µg/L	10.0		97.5	70-130	0.205	25		
1,1-Dichloroethylene	8.43	1.0	µg/L	10.0		84.3	70-130	13.2	25		
cis-1,2-Dichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130	0.904	25		
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.377	25		
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	0.376	25		
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	0.389	25		
2,2-Dichloropropane	6.89	1.0	µg/L	10.0		68.9	40-130	1.30	25		†
1,1-Dichloropropene	10.1	2.0	µg/L	10.0		101	70-130	2.05	25		
cis-1,3-Dichloropropene	7.40	0.50	µg/L	10.0		74.0	70-130	1.21	25		
trans-1,3-Dichloropropene	7.49	0.50	µg/L	10.0		74.9	70-130	1.34	25		
Diethyl Ether	8.08	2.0	µg/L	10.0		80.8	70-130	15.1	25		
Diisopropyl Ether (DIPE)	12.2	0.50	µg/L	10.0		122	70-130	0.411	25		
1,4-Dioxane	97.0	50	µg/L	100		97.0	40-130	16.0	50	V-05, V-16	† ‡
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	1.04	25		
Hexachlorobutadiene	10.7	0.50	µg/L	10.0		107	70-130	5.09	25		
2-Hexanone (MBK)	99.8	10	µg/L	100		99.8	70-160	8.08	25		†
Isopropylbenzene (Cumene)	9.87	1.0	µg/L	10.0		98.7	70-130	2.01	25		
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.0		106	70-130	1.69	25		
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130	1.28	25		

con-test® ANALYTICAL LABORATORY

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 B065793 - SW-846 5030B												
LCS Dup (B065793-BSD1)				Prepared & Analyzed: 01/08/13								
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130	**31.3**	*	25	R-05	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	8.15		25		†
Naphthalene	9.27	2.0	µg/L	10.0		92.7	40-130	14.3		25	V-05	†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	2.55		25		
Styrene	10.2	1.0	µg/L	10.0		102	70-130	0.874		25		
1,1,1,2-Tetrachloroethane	9.53	2.0	µg/L	10.0		95.3	70-130	0.737		25		
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130	5.32		25		
Tetrachloroethylene	9.44	1.0	µg/L	10.0		94.4	70-130	0.949		25		
Tetrahydrofuran	10.9	10	µg/L	10.0		109	70-130	7.15		25		
Toluene	10.0	1.0	µg/L	10.0		100	70-130	0.00		25		
1,2,3-Trichlorobenzene	9.39	5.0	µg/L	10.0		93.9	70-130	14.6		25	V-05	
1,2,4-Trichlorobenzene	9.30	5.0	µg/L	10.0		93.0	70-130	9.81		25		
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.77		25		
1,1,1-Trichloroethane	9.41	1.0	µg/L	10.0		94.1	70-130	0.640		25		
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.52		25		
Trichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	0.795		25		
Trichlorofluoromethane (Freon 11)	9.38	2.0	µg/L	10.0		93.8	70-130	6.50		25		
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130	8.53		25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.90	1.0	µg/L	10.0		89.0	70-130	12.9		25		
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.62		25		
1,3,5-Trimethylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130	2.00		25		
Vinyl Chloride	7.12	2.0	µg/L	10.0		71.2	40-160	7.05		25		†
m+p Xylene	21.1	2.0	µg/L	20.0		106	70-130	1.22		25		
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	0.870		25		
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.1	70-130					
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.0	70-130					
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102	70-130					

con-test® ANALYTICAL LABORATORY

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 B065732 - SW-846 7470A Prep										
Blank (B065732-BLK1)				Prepared & Analyzed: 01/07/13						
Mercury	ND	0.10	µg/L							
LCS (B065732-BS1)				Prepared & Analyzed: 01/07/13						
Mercury	1.72	0.10	µg/L	2.00		85.8	80-120			
LCS Dup (B065732-BSD1)				Prepared & Analyzed: 01/07/13						
Mercury	1.82	0.10	µg/L	2.00		91.2	80-120	6.09	20	
Duplicate (B065732-DUP1)		**Source: 13A0076-01**		Prepared & Analyzed: 01/07/13						
Mercury	ND	0.10	µg/L		ND			NC	20	
Matrix Spike (B065732-MS1)		**Source: 13A0076-01**		Prepared & Analyzed: 01/07/13						
Mercury	1.71	0.10	µg/L	2.00	ND	85.6	75-125			
Batch B065739 - SM 3030C										
Blank (B065739-BLK1)				Prepared & Analyzed: 01/07/13						
Arsenic	ND	0.80	µg/L							
Barium	ND	20	µg/L							
Cadmium	ND	1.0	µg/L							
Chromium	9.0	20	µg/L							J
Lead	ND	2.0	µg/L							
Selenium	ND	10	µg/L							
Silver	ND	1.0	µg/L							
LCS (B065739-BS1)				Prepared & Analyzed: 01/07/13						
Arsenic	434	4.0	µg/L	500		86.7	80-120			
Barium	439	100	µg/L	500		87.7	80-120			
Cadmium	435	5.0	µg/L	500		87.1	80-120			
Chromium	540	100	µg/L	500		108	80-120			
Lead	455	10	µg/L	500		90.9	80-120			
Selenium	442	50	µg/L	500		88.4	80-120			
Silver	502	5.0	µg/L	500		100	80-120			
LCS Dup (B065739-BSD1)				Prepared & Analyzed: 01/07/13						
Arsenic	447	4.0	µg/L	500		89.5	80-120	3.15	20	
Barium	448	100	µg/L	500		89.7	80-120	2.20	20	
Cadmium	449	5.0	µg/L	500		89.8	80-120	3.12	20	
Chromium	544	100	µg/L	500		109	80-120	0.751	20	
Lead	463	10	µg/L	500		92.7	80-120	1.96	20	
Selenium	454	50	µg/L	500		90.8	80-120	2.66	20	
Silver	506	5.0	µg/L	500		101	80-120	0.762	20	

con-test® ANALYTICAL LABORATORY

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 B065739 - SM 3030C											
Duplicate (B065739-DUP1)		**Source: 13A0076-01**		Prepared: 01/07/13 Analyzed: 01/08/13							
Arsenic	8.31	0.80	µg/L		7.21			14.1		20	
Barium	40.8	20	µg/L		39.5			3.19		20	
Cadmium	4.30	1.0	µg/L		4.06			5.69		20	
Chromium	10.3	20	µg/L		10.6			2.84		20	J
Lead	0.379	2.0	µg/L		0.304			**21.8**	*	20	R-04, J
Selenium	ND	10	µg/L		ND			NC		20	
Silver	ND	1.0	µg/L		ND			NC		20	
Matrix Spike (B065739-MS1)		**Source: 13A0076-01**		Prepared & Analyzed: 01/07/13							
Arsenic	462	4.0	µg/L	500	7.21	91.0	75-125				
Barium	502	100	µg/L	500	39.5	92.6	75-125				
Cadmium	465	5.0	µg/L	500	4.06	92.1	75-125				
Chromium	541	100	µg/L	500	10.6	106	75-125				
Lead	473	10	µg/L	500	0.304	94.5	75-125				
Selenium	448	50	µg/L	500	ND	89.6	75-125				
Silver	513	5.0	µg/L	500	ND	103	75-125				

con-test®
ANALYTICAL LABORATORY
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.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
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-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
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.

con-test® ANALYTICAL LABORATORY

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,RI,NC,ME,VA
Barium	CT,NH,NY,RI,NC,ME,VA
Cadmium	CT,NH,NY,RI,NC,ME,VA
Chromium	CT,NH,NY,RI,NC,ME,VA
Lead	CT,NH,NY,RI,NC,ME,VA
Selenium	CT,NH,NY,RI,NC,ME,VA
Silver	CT,NH,NY,RI,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,RI,NC,ME,VA
SW-846 8260B in Water	
Acetone	CT,NH,NY,NC,ME
Acrylonitrile	CT,NY,NC,ME,RI
tert-Amyl Methyl Ether (TAME)	NH,NY,NC,ME
Benzene	CT,NH,NY,NC,ME,RI
Bromobenzene	NC
Bromochloromethane	NH,NY,NC,ME
Bromodichloromethane	CT,NH,NY,NC,ME,RI
Bromoform	CT,NH,NY,NC,ME,RI
Bromomethane	CT,NH,NY,NC,ME,RI
2-Butanone (MEK)	CT,NH,NY,NC,ME
tert-Butyl Alcohol (TBA)	NH,NY,NC,ME
n-Butylbenzene	NY,NC,ME
sec-Butylbenzene	NY,NC,ME
tert-Butylbenzene	NY,NC,ME
tert-Butyl Ethyl Ether (TBEE)	NH,NY,NC,ME
Carbon Disulfide	CT,NH,NY,NC,ME
Carbon Tetrachloride	CT,NH,NY,NC,ME,RI
Chlorobenzene	CT,NH,NY,NC,ME,RI
Chlorodibromomethane	CT,NH,NY,NC,ME,RI
Chloroethane	CT,NH,NY,NC,ME,RI
Chloroform	CT,NH,NY,NC,ME,RI
Chloromethane	CT,NH,NY,NC,ME,RI
2-Chlorotoluene	NY,NC,ME
4-Chlorotoluene	NY,NC,ME
1,2-Dibromo-3-chloropropane (DBCP)	NC
1,2-Dibromoethane (EDB)	NC
Dibromomethane	NH,NY,NC,ME
1,2-Dichlorobenzene	CT,NY,NC,ME,RI
1,3-Dichlorobenzene	CT,NH,NY,NC,ME,RI
1,4-Dichlorobenzene	CT,NH,NY,NC,ME,RI
trans-1,4-Dichloro-2-butene	NH,NY,NC,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,NC,ME,RI
1,1-Dichloroethane	CT,NH,NY,NC,ME,RI
1,2-Dichloroethane	CT,NH,NY,NC,ME,RI
1,1-Dichloroethylene	CT,NH,NY,NC,ME,RI
cis-1,2-Dichloroethylene	NY,NC,ME

con-test®
ANALYTICAL LABORATORY

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 8260B in Water	
trans-1,2-Dichloroethylene	CT,NH,NY,NC,ME,RI
1,2-Dichloropropane	CT,NH,NY,NC,ME,RI
1,3-Dichloropropane	NY,NC,ME
2,2-Dichloropropane	NH,NY,NC,ME
1,1-Dichloropropene	NH,NY,NC,ME
cis-1,3-Dichloropropene	CT,NH,NY,NC,ME,RI
trans-1,3-Dichloropropene	CT,NH,NY,NC,ME,RI
Diethyl Ether	NC
Diisopropyl Ether (DIPE)	NH,NY,NC,ME
1,4-Dioxane	NC
Ethylbenzene	CT,NH,NY,NC,ME,RI
Hexachlorobutadiene	CT,NH,NY,NC,ME
2-Hexanone (MBK)	CT,NH,NY,NC,ME
Isopropylbenzene (Cumene)	NY,NC,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,NC,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,NC,ME
Methylene Chloride	CT,NH,NY,NC,ME,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC,ME
Naphthalene	NH,NY,NC,ME
n-Propylbenzene	CT,NH,NY,NC,ME
Styrene	CT,NH,NY,NC,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,NC,ME,RI
Tetrachloroethylene	CT,NH,NY,NC,ME,RI
Tetrahydrofuran	NC
Toluene	CT,NH,NY,NC,ME,RI
1,2,3-Trichlorobenzene	NH,NY,NC,ME
1,2,4-Trichlorobenzene	CT,NH,NY,NC,ME
1,3,5-Trichlorobenzene	NC,ME
1,1,1-Trichloroethane	CT,NH,NY,NC,ME,RI
1,1,2-Trichloroethane	CT,NH,NY,NC,ME,RI
Trichloroethylene	CT,NH,NY,NC,ME,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC,ME,RI
1,2,3-Trichloropropane	NH,NY,NC,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NC
1,2,4-Trimethylbenzene	NY,NC,ME
1,3,5-Trimethylbenzene	NY,NC,ME
Vinyl Chloride	CT,NH,NY,NC,ME,RI
m+p Xylene	CT,NH,NY,NC,ME,RI
o-Xylene	CT,NH,NY,NC,ME,RI

con-test®
ANALYTICAL LABORATORY

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

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	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
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	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

13A0076

39 Spruce Street
East Longmeadow, MA 01028

Page_____of_____

Company Name: E2S
Address: 3008 Anderson Drive, Suite 142
Raleigh, NC 27609
Attention: Pat Shillington
Project Location: Hoke LF
Sampled By: CLS

Telephone: 919-781-7446
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 VOCs)	Total RCRA Metals
01	MW-1	12/31/12	1:00		X	GW		X	X
02	MW-2	↓	2:10		X	↓		X	X
03	MW-3	↓	3:10		X	↓		X	X
04	MW-5	↓	4:10		X	↓		X	X
05	MW-6	↓	4:30		X	↓		X	X
06	US	↓	4:50		X	↓		X	X
07	MS	↓	4:35		X	↓		X	X
08	DS	↓	4:40		X	↓		X	X

Comments: * Vall 1/4/13 1101 2.3/1C

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

Relinquished by: (signature) Roger Shillington	Date/Time: 12/31/12 7:05	
Received by: (signature) T. Pat Shillington	Date/Time: 12/31/12 7:05	
Relinquished by: (signature) T. Pat Shillington	Date/Time:	
Received by: (signature)	Date/Time: 1/2/13 1630	

Turnaround ††
O 5-Day
O 5-7-Day
● 10-Day
RUSH †
O †24-Hr r †48-Hr
O †72-Hr r †4-Day
† Requires Lab Approval

Detection Limit Requirements
North Carolina
● 2L
O GWPC
O SWSL
O OTHER NC - Solid Waste Landfill

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

NELAC & AIHA Certified
WBE/DBE Certified

# of Containers		
** Preservation		
***Container Code		

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_____

†† 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 NOT TO CONTAMINATE THIS DOCUMENT

IMPORTANT!
FedEx resumes service in the eastern U.S. Learn More

FedEx.

802226346581

Ship (P/U) date :
Thur 1/03/2013 8:25 pm
CHA US

Delivered
Signed for by: F.WILSON

Actual delivery :
Fri 1/04/2013 11:01 am
US

Travel History

Date/Time	Activity	Location
- 1/04/2013 - Friday		
11:01 am	Delivered	
8:41 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:33 am	At local FedEx facility	WINDSOR LOCKS, CT
7:41 am	At destination sort facility	EAST GRANBY, CT
6:06 am	In transit	INDIANAPOLIS, IN
6:06 am	Departed FedEx location	INDIANAPOLIS, IN
12:23 am	Arrived at FedEx location	INDIANAPOLIS, IN
- 1/03/2013 - Thursday		
10:13 pm	Left FedEx origin facility	PINEVILLE, NC
8:25 pm	Picked up Tendered at FedEx Office	CHARLOTTE, NC

Local Scan Time

Shipment Facts

Tracking number	802226346581	**Service**	FedEx Priority Overnight
Weight	45 lbs	**Dimensions**	25x14x14 in.
Delivered To	Receptionist/Front Desk	**Total pieces**	1
Total shipment weight	45 lbs / 20.4 kgs	**Shipper reference**	80
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: VA DATE: 1/4

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 2.3
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: 19
   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 <2
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	14	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 14 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen: