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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Engineering & Environmental Science Company

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

Name: T. Patrick Shillington, PE 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 Rd. Raeford, NC	47-01		June 30, 2014

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, PE — President/Consultant — 919-781-7798

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

Signature — 07/14/14 Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON 07/14/14

Revised 01/2007

ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY
3008 ANDERSON DRIVE, SUITE 102
RALEIGH, NC 27609
(919) 781-7798

July 14, 2014

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

RE: Monitoring Well and Surface Water Test Results
6/30/2014 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. A Sampling Locations Map is provided as Figure 1 in Attachment A. The sampling was conducted on June 30, 2014. 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,

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON

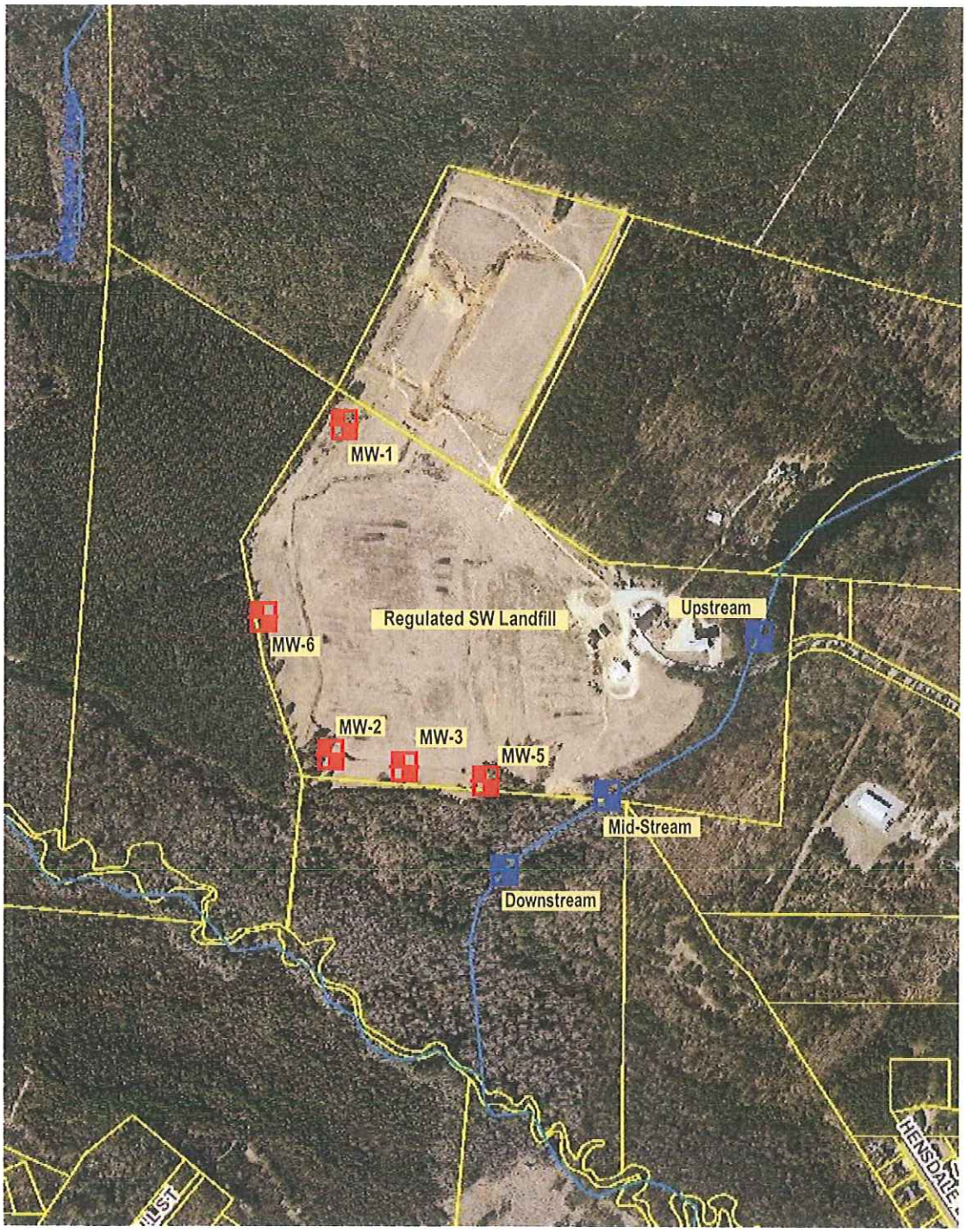
07/14/14

T. Patrick Shillington, P.E.
President

Robert W. Brantly, E.I.
Project Engineer

Attachment A: Figure and Table
Attachment B: Analytical Test Results

ATTACHMENT A:
Figure and Table



1"=700'

Groundwater Sample Location

Surface Water Sample Location

ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY
3008 ANDERSON DR., SUITE 102
RALEIGH, NORTH CAROLINA 27609
(919) 781-7798

Sampling Locations
Hoke County Landfill (47-01)
700 CC Steele Road
Raeford, NC 28376

DATE: 7/14/14

FIGURE NO 1

E2S

Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
47-01	MW-1	71-43-2	16	Benzene	0.56	ug/L	6/30/2014	7/8/2014	1	-	1
47-01	MW-1	108-90-7	39	Chlorobenzene	0.13	ug/L	6/30/2014	7/8/2014	50	-	3
47-01	MW-1	75-34-3	75	1,1-Dichloroethane	0.66	ug/L	6/30/2014	7/8/2014	6	-	5
47-01	MW-1	156-59-2	78	cis-1,2-Dichloroethylene	0.45	ug/L	6/30/2014	7/8/2014	70	-	5
47-01	MW-1	108-88-3	196	Toluene	0.1	ug/L	6/30/2014	7/8/2014	600	-	1
47-01	MW-1	79-01-6	201	Trichloroethylene	0.3	ug/L	6/30/2014	7/8/2014	3	-	1
47-01	MW-1	75-01-4	211	Vinyl Chloride	0.39	ug/L	6/30/2014	7/8/2014	0.03	-	1
47-01	MW-1	7440-38-2	14	Arsenic	13	ug/L	6/30/2014	7/5/2014	10	-	10
47-01	MW-1	7440-39-3	15	Barium	34	ug/L	6/30/2014	7/5/2014	700	-	100
47-01	MW-1			Well Elevation	251.19	ft.					
47-01	MW-1			Groundwater Depth	51.98	ft.					
47-01	MW-1			Water Level Elevation	199.21	ft.					
47-01	MW-1			Temperature	20.9	C					
47-01	MW-1			pH	5.65						
47-01	MW-1			Conductivity	119	mV					
47-01	MW-1			Total Suspended Solids	61	ppm					
47-01	MW-2	71-43-2	16	Benzene	0.89	ug/L	6/30/2014	7/8/2014	1	-	1
47-01	MW-2	108-90-7	39	Chlorobenzene	2.5	ug/L	6/30/2014	7/8/2014	50	-	3
47-01	MW-2	95-50-1	69	1,2-Dichlorobenzene	0.33	ug/L	6/30/2014	7/8/2014	20	-	5
47-01	MW-2	106-46-7	71	1,4-Dichlorobenzene	**1.8**	ug/L	6/30/2014	7/8/2014	6	-	1
47-01	MW-2	75-34-3	75	1,1-Dichloroethane	1.1	ug/L	6/30/2014	7/8/2014	6	-	5
47-01	MW-2	156-59-2	78	cis-1,2-Dichloroethylene	1.9	ug/L	6/30/2014	7/8/2014	70	-	5
47-01	MW-2	79-01-6	201	Trichloroethylene	0.27	ug/L	6/30/2014	7/8/2014	3	-	1
47-01	MW-2	75-01-4	211	Vinyl Chloride	0.21	ug/L	6/30/2014	7/8/2014	0.03	-	1
47-01	MW-2	7440-38-2	14	Arsenic	1.4	ug/L	6/30/2014	7/5/2014	10	-	10
47-01	MW-2	7440-39-3	15	Barium	37	ug/L	6/30/2014	7/5/2014	700	-	100
47-01	MW-2	7440-43-9	34	Cadmium	7.5	ug/L	6/30/2014	7/5/2014	2	-	1
47-01	MW-2	7439-92-1	131	Lead	1.1	ug/L	6/30/2014	7/5/2014	15	-	10
47-01	MW-2			Well Elevation	217	ft.					
47-01	MW-2			Groundwater Depth	16.65	ft.					
47-01	MW-2			Water Level Elevation	200.35	ft.					
47-01	MW-2			Temperature	21.3	C					
47-01	MW-2			pH	6.21						
47-01	MW-2			Conductivity	145	mV					

Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
47-01	MW-2			Total Suspended Solids	183	ppm					
47-01	MW-3	67-64-1	3	Acetone	14	ug/L	6/30/2014	7/8/2014	6000	-	100
47-01	MW-3	71-43-2	16	Benzene	2.6	ug/L	6/30/2014	7/8/2014	1	-	1
47-01	MW-3	108-90-7	39	Chlorobenzene	2.9	ug/L	6/30/2014	7/8/2014	50	-	3
47-01	MW-3	95-50-1	69	1,2-Dichlorobenzene	0.12	ug/L	6/30/2014	7/8/2014	20	-	5
47-01	MW-3	106-46-7	71	1,4-Dichlorobenzene	4.7	ug/L	6/30/2014	7/8/2014	6	-	1
47-01	MW-3	75-34-3	75	1,1-Dichloroethane	2.1	ug/L	6/30/2014	7/8/2014	6	-	5
47-01	MW-3	156-59-2	78	cis-1,2-Dichloroethylene	3.3	ug/L	6/30/2014	7/8/2014	70	-	5
47-01	MW-3	79-01-6	201	Trichloroethylene	0.69	ug/L	6/30/2014	7/8/2014	3	-	1
47-01	MW-3	75-01-4	211	Vinyl Chloride	0.6	ug/L	6/30/2014	7/8/2014	0.03	-	1
47-01	MW-3	7440-38-2	14	Arsenic	23	ug/L	6/30/2014	7/5/2014	10	-	10
47-01	MW-3	7440-39-3	15	Barium	42	ug/L	6/30/2014	7/5/2014	700	-	100
47-01	MW-3	7440-43-9	34	Cadmium	17	ug/L	6/30/2014	7/5/2014	2	-	1
47-01	MW-3	7439-92-1	131	Lead	0.88	ug/L	6/30/2014	7/5/2014	15	-	10
47-01	MW-3	7439-97-6	132	Mercury	0.069	ug/l	6/30/2014	7/5/2014	1	-	0.2
47-01	MW-3			Well Elevation	212.64	ft.					
47-01	MW-3			Groundwater Depth	27.02	ft.					
47-01	MW-3			Water Level Elevation	185.62	ft.					
47-01	MW-3			Temperature	21.5	C					
47-01	MW-3			pH	6.33						
47-01	MW-3			Conductivity	113	mV					
47-01	MW-3			Total Suspended Solids	198	ppm					
47-01	MW-5	71-43-2	16	Benzene	16	ug/L	6/30/2014	7/8/2014	1	-	1
47-01	MW-5	108-90-7	39	Chlorobenzene	110	ug/L	6/30/2014	7/8/2014	50	-	3
47-01	MW-5	95-50-1	69	1,2-Dichlorobenzene	3.2	ug/L	6/30/2014	7/8/2014	20	-	5
47-01	MW-5	106-46-7	71	1,4-Dichlorobenzene	9.1	ug/L	6/30/2014	7/8/2014	6	-	1
47-01	MW-5	75-34-3	75	1,1-Dichloroethane	0.37	ug/L	6/30/2014	7/8/2014	6	-	5
47-01	MW-5	156-59-2	78	cis-1,2-Dichloroethylene	4.4	ug/L	6/30/2014	7/8/2014	70	-	5
47-01	MW-5	108-88-3	196	Toluene	0.18	ug/L	6/30/2014	7/8/2014	600	-	1
47-01	MW-5	79-01-6	201	Trichloroethylene	0.13	ug/L	6/30/2014	7/8/2014	3	-	1
47-01	MW-5	75-01-4	211	Vinyl Chloride	3.8	ug/L	6/30/2014	7/8/2014	0.03	-	1
47-01	MW-5	1330-20-7	346	Xylene	0.11	ug/L	6/30/2014	7/8/2014	500	-	5
47-01	MW-5	7440-38-2	14	Arsenic	13	ug/L	6/30/2014	7/5/2014	10	-	10
47-01	MW-5	7440-39-3	15	Barium	33	ug/L	6/30/2014	7/5/2014	700	-	100

Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
47-01	MW-5	7440-43-9	34	Cadmium	0.1	ug/L	6/30/2014	7/5/2014	2	-	1
47-01	MW-5			Well Elevation	227.81	ft.					
47-01	MW-5			Groundwater Depth	21.91	ft.					
47-01	MW-5			Water Level Elevation	205.9	ft.					
47-01	MW-5			Temperature	21.3	C					
47-01	MW-5			pH	6.08						
47-01	MW-5			Conductivity	144	mV					
47-01	MW-5			Total Suspended Solids	211	ppm					
47-01	MW-6	71-43-2	16	Benzene	3.5	ug/L	6/30/2014	7/8/2014	1	-	1
47-01	MW-6	108-90-7	39	Chlorobenzene	14	ug/L	6/30/2014	7/8/2014	50	-	3
47-01	MW-6	95-50-1	69	1,2-Dichlorobenzene	0.46	ug/L	6/30/2014	7/8/2014	20	-	5
47-01	MW-6	106-46-7	71	1,4-Dichlorobenzene	7.3	ug/L	6/30/2014	7/8/2014	6	-	1
47-01	MW-6	75-34-3	75	1,1-Dichloroethane	1.4	ug/L	6/30/2014	7/8/2014	6	-	5
47-01	MW-6	156-59-2	78	cis-1,2-Dichloroethylene	4.2	ug/L	6/30/2014	7/8/2014	70	-	5
47-01	MW-6	100-41-4	110	Ethylbenzene	0.17	ug/L	6/30/2014	7/8/2014	600	-	1
47-01	MW-6	108-88-3	196	Toluene	0.19	ug/L	6/30/2014	7/8/2014	600	-	1
47-01	MW-6	79-01-6	201	Trichloroethylene	0.66	ug/L	6/30/2014	7/8/2014	3	-	1
47-01	MW-6	75-01-4	211	Vinyl Chloride	1	ug/L	6/30/2014	7/8/2014	0.03	-	1
47-01	MW-6	1330-20-7	346	Xylene	0.14	ug/L	6/30/2014	7/8/2014	500	-	5
47-01	MW-6	7440-38-2	14	Arsenic	14	ug/L	6/30/2014	7/5/2014	10	-	10
47-01	MW-6	7440-39-3	15	Barium	57	ug/L	6/30/2014	7/5/2014	700	-	100
47-01	MW-6	7440-43-9	34	Cadmium	0.16	ug/L	6/30/2014	7/5/2014	2	-	1
47-01	MW-3	7439-97-6	132	Mercury	0.049	ug/l	6/30/2014	7/5/2014	1	-	0.2
47-01	MW-6			Well Elevation	204.65	ft.					
47-01	MW-6			Groundwater Depth	36.06	ft.					
47-01	MW-6			Water Level Elevation	168.59	ft.					
47-01	MW-6			Temperature	21.8	C					
47-01	MW-6			pH	6.2						
47-01	MW-6			Conductivity	85	mV					
47-01	MW-6			Total Suspended Solids	143	ppm					
47-01	US	7440-38-2	14	Arsenic	0.88	ug/L	6/30/2014	7/5/2014	-	50	-
47-01	US	7440-39-3	15	Barium	27	ug/L	6/30/2014	7/5/2014	-	-	-
47-01	US	7439-92-1	131	Lead	0.29	ug/L	6/30/2014	7/5/2014	-	25	-
47-01	US			Temperature	25.4	C					

Facilty Permit	Well ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	COLLECTION DATE	ANALYSIS DATE	2L Standard	NCAC 2B Surface Water	SWSL
47-01	US			pH	6.97					6-9	
47-01	US			Conductivity	79	mV					
47-01	US			Total Suspended Solids	131	ppm					
47-01	MS	108-88-3	196	Toluene	0.14	ug/L	6/30/2014	7/8/2014	-	11	-
47-01	MS	7440-38-2	14	Arsenic	1	ug/L	6/30/2014	7/5/2014	-	50	-
47-01	MS	7440-39-3	15	Barium	29	ug/L	6/30/2014	7/5/2014	-	-	-
47-01	MS	7440-43-9	34	Cadmium	**2.4**	ug/L	6/30/2014	7/5/2014	-	2	-
47-01	MS	7439-92-1	131	Lead	0.37	ug/L	6/30/2014	7/5/2014	-	25	-
47-01	MS			Temperature	25.5	C					
47-01	MS			pH	6.88					6-9	
47-01	MS			Conductivity	91	mV					
47-01	MS			Total Suspended Solids	111	ppm					
47-01	DS	108-88-3	196	Toluene	0.14	ug/L	6/30/2014	7/8/2014	-	11	-
47-01	DS	7440-38-2	14	Arsenic	1.4	ug/L	6/30/2014	7/5/2014	-	50	-
47-01	DS	7440-39-3	15	Barium	28	ug/L	6/30/2014	7/5/2014	-	-	-
47-01	DS	7440-43-9	34	Cadmium	1.7	ug/L	6/30/2014	7/5/2014	-	2	-
47-01	DS	7439-92-1	131	Lead	0.37	ug/L	6/30/2014	7/5/2014	-	25	-
47-01	DS			Temperature	25.5	C					
47-01	DS			pH	6.51					6-9	
47-01	DS			Conductivity	121	mV					
47-01	DS			Total Suspended Solids	117	ppm					

Bold values exceed SWSL Standards

Red values exceed 2L Standards

Blue values exceed 2B Surface Standard for Freshwater Aquatic Life

ATTACHMENT B:
Analytical Test Results

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

July 11, 2014

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

Project Location: Hoke
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 14G0084

Enclosed are results of analyses for samples received by the laboratory on July 1, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

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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: 7/11/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14G0084

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

PROJECT LOCATION: Hoke

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1	14G0084-01	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-2	14G0084-02	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-3	14G0084-03	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-5	14G0084-04	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-6	14G0084-05	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
VS	14G0084-06	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MS	14G0084-07	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
DS	14G0084-08	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.

SW-846 6020A

Qualifications:

R-01

Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

Analyte & Samples(s) Qualified:

Arsenic

14G0084-01[MW-1], B099469-DUP1

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).

Analyte & Samples(s) Qualified:

Barium

14G0084-01[MW-1], B099469-DUP1

SW-846 8260B

Qualifications:

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.

Analyte & Samples(s) Qualified:

Vinyl Acetate

B099615-BSD1

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.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MW-1
Sampled: 6/30/2014 10:48
Sample ID: 14G0084-01
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Benzene	0.56	1.0	0.079	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Chlorobenzene	0.13	1.0	0.12	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,1-Dichloroethane	0.66	1.0	0.16	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
cis-1,2-Dichloroethylene	0.45	1.0	0.15	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Toluene	0.10	1.0	0.090	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Trichloroethylene	0.30	1.0	0.077	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MW-1
Sampled: 6/30/2014 10:48
Sample ID: 14G0084-01
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
Vinyl Chloride	0.39	2.0	0.13	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:25	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		7/10/14 0:25
Toluene-d8	101	70-130		7/10/14 0:25
4-Bromofluorobenzene	95.6	70-130		7/10/14 0:25

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-1
Sampled: 6/30/2014 10:48

Sample ID: 14G0084-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	0.80	0.42	µg/L	2	R-01	SW-846 6020A	7/5/14	7/10/14 16:39	AMP
Barium	34	20	1.7	µg/L	2	R-04	SW-846 6020A	7/5/14	7/10/14 16:39	AMP
Cadmium	ND	1.0	0.046	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:39	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:39	AMP
Lead	ND	2.0	0.22	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:39	AMP
Mercury	ND	0.10	0.039	µg/L	1		SW-846 7470A	7/2/14	7/3/14 12:57	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:39	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:39	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MW-2
Sampled: 6/30/2014 11:28
Sample ID: 14G0084-02
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Benzene	0.89	1.0	0.079	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Chlorobenzene	2.5	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,2-Dichlorobenzene	0.33	1.0	0.076	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,4-Dichlorobenzene	1.8	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,1-Dichloroethane	1.1	1.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
cis-1,2-Dichloroethylene	1.9	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Trichloroethylene	0.27	1.0	0.077	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-2
Sampled: 6/30/2014 11:28

Sample ID: 14G0084-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
Vinyl Chloride	0.21	2.0	0.13	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 0:52	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 0:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.0	70-130		7/10/14 0:52
Toluene-d8	98.3	70-130		7/10/14 0:52
4-Bromofluorobenzene	99.4	70-130		7/10/14 0:52

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-2
Sampled: 6/30/2014 11:28

Sample ID: 14G0084-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.4	0.80	0.42	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:43	AMP
Barium	37	20	1.7	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:43	AMP
Cadmium	7.5	1.0	0.046	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:43	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:43	AMP
Lead	1.1	2.0	0.22	µg/L	2	J	SW-846 6020A	7/5/14	7/10/14 16:43	AMP
Mercury	ND	0.10	0.039	µg/L	1		SW-846 7470A	7/2/14	7/3/14 12:59	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:43	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 16:43	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MW-3
Sampled: 6/30/2014 11:44
Sample ID: 14G0084-03
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	14	50	4.7	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Benzene	2.6	1.0	0.079	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Chlorobenzene	2.9	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,2-Dichlorobenzene	0.12	1.0	0.076	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,4-Dichlorobenzene	4.7	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,1-Dichloroethane	2.1	1.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
cis-1,2-Dichloroethylene	3.3	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Trichloroethylene	0.69	1.0	0.077	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-3
Sampled: 6/30/2014 11:44

Sample ID: 14G0084-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
Vinyl Chloride	0.60	2.0	0.13	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:19	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		7/10/14 1:19
Toluene-d8	97.4	70-130		7/10/14 1:19
4-Bromofluorobenzene	96.2	70-130		7/10/14 1:19

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-3
Sampled: 6/30/2014 11:44

Sample ID: 14G0084-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	23	0.80	0.42	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:23	AMP
Barium	42	20	1.7	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:23	AMP
Cadmium	17	1.0	0.046	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:23	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:23	AMP
Lead	0.88	2.0	0.22	µg/L	2	J	SW-846 6020A	7/5/14	7/10/14 17:23	AMP
Mercury	0.069	0.10	0.039	µg/L	1	J	SW-846 7470A	7/2/14	7/3/14 13:01	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:23	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:23	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MW-5
Sampled: 6/30/2014 12:18
Sample ID: 14G0084-04
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Benzene	16	1.0	0.079	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Chlorobenzene	110	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,2-Dichlorobenzene	3.2	1.0	0.076	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,4-Dichlorobenzene	9.1	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,1-Dichloroethane	0.37	1.0	0.16	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
cis-1,2-Dichloroethylene	4.4	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Toluene	0.18	1.0	0.090	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Trichloroethylene	0.13	1.0	0.077	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MW-5
Sampled: 6/30/2014 12:18
Sample ID: 14G0084-04
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
Vinyl Chloride	3.8	2.0	0.13	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/10/14 1:46	EEH
o-Xylene	0.11	1.0	0.11	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 1:46	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		7/10/14 1:46
Toluene-d8	98.9	70-130		7/10/14 1:46
4-Bromofluorobenzene	96.7	70-130		7/10/14 1:46

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-5
Sampled: 6/30/2014 12:18

Sample ID: 14G0084-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	0.80	0.42	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:26	AMP
Barium	33	20	1.7	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:26	AMP
Cadmium	0.10	1.0	0.046	µg/L	2	J	SW-846 6020A	7/5/14	7/10/14 17:26	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:26	AMP
Lead	ND	2.0	0.22	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:26	AMP
Mercury	ND	0.10	0.039	µg/L	1		SW-846 7470A	7/2/14	7/3/14 13:02	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:26	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:26	AMP

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MW-6
Sampled: 6/30/2014 10:55
Sample ID: 14G0084-05
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Benzene	3.5	1.0	0.079	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Chlorobenzene	14	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,2-Dichlorobenzene	0.46	1.0	0.076	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,4-Dichlorobenzene	7.3	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,1-Dichloroethane	1.4	1.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
cis-1,2-Dichloroethylene	4.2	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Ethylbenzene	0.17	1.0	0.092	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 2:12	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Toluene	0.19	1.0	0.090	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Trichloroethylene	0.66	1.0	0.077	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-6
Sampled: 6/30/2014 10:55

Sample ID: 14G0084-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
Vinyl Chloride	1.0	2.0	0.13	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 2:12	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:12	EEH
o-Xylene	0.14	1.0	0.11	µg/L	1	J	SW-846 8260B	7/8/14	7/10/14 2:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.8	70-130		7/10/14 2:12
Toluene-d8	99.4	70-130		7/10/14 2:12
4-Bromofluorobenzene	95.4	70-130		7/10/14 2:12

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MW-6
Sampled: 6/30/2014 10:55

Sample ID: 14G0084-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	14	0.80	0.42	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:30	AMP
Barium	57	20	1.7	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:30	AMP
Cadmium	0.16	1.0	0.046	µg/L	2	J	SW-846 6020A	7/5/14	7/10/14 17:30	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:30	AMP
Lead	ND	2.0	0.22	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:30	AMP
Mercury	0.049	0.10	0.039	µg/L	1	J	SW-846 7470A	7/2/14	7/3/14 13:04	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:30	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:30	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: VS
Sampled: 6/30/2014 12:59
Sample ID: 14G0084-06
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Benzene	ND	1.0	0.079	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Toluene	ND	1.0	0.090	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Trichloroethylene	ND	1.0	0.077	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: VS
Sampled: 6/30/2014 12:59

Sample ID: 14G0084-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/10/14 2:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		7/10/14 2:39
Toluene-d8	98.7	70-130		7/10/14 2:39
4-Bromofluorobenzene	99.3	70-130		7/10/14 2:39

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: VS
Sampled: 6/30/2014 12:59
Sample ID: 14G0084-06
Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	0.88	0.80	0.42	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:53	AMP
Barium	27	20	1.7	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:53	AMP
Cadmium	ND	1.0	0.046	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:53	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:53	AMP
Lead	0.29	2.0	0.22	µg/L	2	J	SW-846 6020A	7/5/14	7/10/14 17:53	AMP
Mercury	ND	0.10	0.039	µg/L	1		SW-846 7470A	7/2/14	7/3/14 13:06	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:53	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:53	AMP

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: MS
Sampled: 6/30/2014 12:22
Sample ID: 14G0084-07
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Benzene	ND	1.0	0.079	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Toluene	0.14	1.0	0.090	µg/L	1	J	SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Trichloroethylene	ND	1.0	0.077	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MS
Sampled: 6/30/2014 12:22

Sample ID: 14G0084-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/9/14 1:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.0	70-130		7/9/14 1:42
Toluene-d8	96.3	70-130		7/9/14 1:42
4-Bromofluorobenzene	97.8	70-130		7/9/14 1:42

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: MS
Sampled: 6/30/2014 12:22

Sample ID: 14G0084-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.0	0.80	0.42	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:56	AMP
Barium	29	20	1.7	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:56	AMP
Cadmium	2.4	1.0	0.046	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:56	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:56	AMP
Lead	0.37	2.0	0.22	µg/L	2	J	SW-846 6020A	7/5/14	7/10/14 17:56	AMP
Mercury	ND	0.10	0.039	µg/L	1		SW-846 7470A	7/2/14	7/3/14 13:07	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:56	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 17:56	AMP

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084
Date Received: 7/1/2014
Field Sample #: DS
Sampled: 6/30/2014 12:30
Sample ID: 14G0084-08
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	4.7	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Acrylonitrile	ND	5.0	0.58	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Benzene	ND	1.0	0.079	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Bromodichloromethane	ND	0.50	0.088	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Carbon Tetrachloride	ND	5.0	0.10	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Chlorodibromomethane	ND	0.50	0.054	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Chloromethane	ND	5.0	0.32	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.34	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.089	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Dibromomethane	ND	1.0	0.070	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,2-Dichlorobenzene	ND	1.0	0.076	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,4-Dichlorobenzene	ND	1.0	0.046	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,2-Dichloroethane	ND	5.0	0.19	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,2-Dichloropropane	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
cis-1,3-Dichloropropene	ND	0.50	0.062	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
trans-1,3-Dichloropropene	ND	0.50	0.056	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Ethylbenzene	ND	1.0	0.092	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Iodomethane	ND	10	3.5	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Styrene	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Tetrachloroethylene	ND	1.0	0.080	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Toluene	0.14	1.0	0.090	µg/L	1	J	SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,1,1-Trichloroethane	ND	1.0	0.094	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,1,2-Trichloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Trichloroethylene	ND	1.0	0.077	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
1,2,3-Trichloropropane	ND	2.0	0.12	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: DS
Sampled: 6/30/2014 12:30

Sample ID: 14G0084-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	1.3	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH
o-Xylene	ND	1.0	0.11	µg/L	1		SW-846 8260B	7/8/14	7/9/14 2:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		7/9/14 2:09
Toluene-d8	97.4	70-130		7/9/14 2:09
4-Bromofluorobenzene	97.4	70-130		7/9/14 2:09

con-test® ANALYTICAL LABORATORY

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

Project Location: Hoke
Sample Description:
Work Order: 14G0084

Date Received: 7/1/2014

Field Sample #: DS
Sampled: 6/30/2014 12:30

Sample ID: 14G0084-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.4	0.80	0.42	µg/L	2		SW-846 6020A	7/5/14	7/10/14 18:00	AMP
Barium	28	20	1.7	µg/L	2		SW-846 6020A	7/5/14	7/10/14 18:00	AMP
Cadmium	1.7	1.0	0.046	µg/L	2		SW-846 6020A	7/5/14	7/10/14 18:00	AMP
Chromium	ND	20	0.71	µg/L	2		SW-846 6020A	7/5/14	7/10/14 18:00	AMP
Lead	0.37	2.0	0.22	µg/L	2	J	SW-846 6020A	7/5/14	7/10/14 18:00	AMP
Mercury	ND	0.10	0.039	µg/L	1		SW-846 7470A	7/2/14	7/3/14 13:09	JMP
Selenium	ND	10	2.4	µg/L	2		SW-846 6020A	7/5/14	7/10/14 18:00	AMP
Silver	ND	1.0	0.036	µg/L	2		SW-846 6020A	7/5/14	7/10/14 18:00	AMP

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
14G0084-01 [MW-1]	B099469	50.0	50.0	07/05/14
14G0084-02 [MW-2]	B099469	50.0	50.0	07/05/14
14G0084-03 [MW-3]	B099469	50.0	50.0	07/05/14
14G0084-04 [MW-5]	B099469	50.0	50.0	07/05/14
14G0084-05 [MW-6]	B099469	50.0	50.0	07/05/14
14G0084-06 [VS]	B099469	50.0	50.0	07/05/14
14G0084-07 [MS]	B099469	50.0	50.0	07/05/14
14G0084-08 [DS]	B099469	50.0	50.0	07/05/14

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
14G0084-01 [MW-1]	B099303	6.00	6.00	07/02/14
14G0084-02 [MW-2]	B099303	6.00	6.00	07/02/14
14G0084-03 [MW-3]	B099303	6.00	6.00	07/02/14
14G0084-04 [MW-5]	B099303	6.00	6.00	07/02/14
14G0084-05 [MW-6]	B099303	6.00	6.00	07/02/14
14G0084-06 [VS]	B099303	6.00	6.00	07/02/14
14G0084-07 [MS]	B099303	6.00	6.00	07/02/14
14G0084-08 [DS]	B099303	6.00	6.00	07/02/14

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
14G0084-07 [MS]	B099594	5	5.00	07/08/14
14G0084-08 [DS]	B099594	5	5.00	07/08/14

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
14G0084-01 [MW-1]	B099615	5	5.00	07/08/14
14G0084-02 [MW-2]	B099615	5	5.00	07/08/14
14G0084-03 [MW-3]	B099615	5	5.00	07/08/14
14G0084-04 [MW-5]	B099615	5	5.00	07/08/14
14G0084-05 [MW-6]	B099615	5	5.00	07/08/14
14G0084-06 [VS]	B099615	5	5.00	07/08/14

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B099594 - SW-846 5030B										
Blank (B099594-BLK1)				Prepared & Analyzed: 07/08/14						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	5.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Iodomethane	ND	10	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
Vinyl Acetate	ND	20	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.8	70-130			

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B099594 - SW-846 5030B										
LCS (B099594-BS1)				Prepared & Analyzed: 07/08/14						
Acetone	99.1	50	µg/L	100		99.1	70-160			†
Acrylonitrile	9.52	5.0	µg/L	10.0		95.2	70-130			
Benzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	12.8	1.0	µg/L	10.0		128	70-130			
Bromomethane	6.23	2.0	µg/L	10.0		62.3	40-160			†
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
Carbon Disulfide	10.5	4.0	µg/L	10.0		105	70-130			
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
Chlorodibromomethane	9.64	0.50	µg/L	10.0		96.4	70-130			
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130			
Chloroform	10.4	2.0	µg/L	10.0		104	70-130			
Chloromethane	8.07	5.0	µg/L	10.0		80.7	40-160			†
1,2-Dibromo-3-chloropropane (DBCP)	11.9	5.0	µg/L	10.0		119	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130			
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
trans-1,4-Dichloro-2-butene	11.8	2.0	µg/L	10.0		118	70-130			
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	10.4	5.0	µg/L	10.0		104	70-130			
1,1-Dichloroethylene	8.62	1.0	µg/L	10.0		86.2	70-130			
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	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			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160			†
Iodomethane	9.46	10	µg/L	10.0		94.6	70-130			J
Methylene Chloride	8.38	5.0	µg/L	10.0		83.8	70-130			
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	11.6	0.50	µg/L	10.0		116	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Toluene	9.91	1.0	µg/L	10.0		99.1	70-130			
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Trichlorofluoromethane (Freon 11)	9.62	2.0	µg/L	10.0		96.2	70-130			
1,2,3-Trichloropropane	11.6	2.0	µg/L	10.0		116	70-130			
Vinyl Acetate	74.4	20	µg/L	100		74.4	70-130			
Vinyl Chloride	7.68	2.0	µg/L	10.0		76.8	40-160			†
m+p Xylene	19.8	2.0	µg/L	20.0		98.8	70-130			
o-Xylene	9.91	1.0	µg/L	10.0		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.5*		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	*24.1*		µg/L	25.0		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.5	70-130			

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B099594 - SW-846 5030B										
LCS Dup (B099594-BSD1)				Prepared & Analyzed: 07/08/14						
Acetone	99.6	50	µg/L	100		99.6	70-160	0.473	25	†
Acrylonitrile	9.39	5.0	µg/L	10.0		93.9	70-130	1.37	25	
Benzene	11.0	1.0	µg/L	10.0		110	70-130	3.99	25	
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130	0.180	25	
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130	1.87	25	
Bromoform	12.5	1.0	µg/L	10.0		125	70-130	2.53	25	
Bromomethane	7.21	2.0	µg/L	10.0		72.1	40-160	14.6	25	†
2-Butanone (MEK)	104	20	µg/L	100		104	40-160	0.297	25	†
Carbon Disulfide	10.5	4.0	µg/L	10.0		105	70-130	0.00	25	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	0.649	25	
Chlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	0.305	25	
Chlorodibromomethane	9.78	0.50	µg/L	10.0		97.8	70-130	1.44	25	
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130	6.30	25	
Chloroform	10.4	2.0	µg/L	10.0		104	70-130	0.385	25	
Chloromethane	8.16	5.0	µg/L	10.0		81.6	40-160	1.11	25	†
1,2-Dibromo-3-chloropropane (DBCP)	10.9	5.0	µg/L	10.0		109	70-130	8.07	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	2.64	25	
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130	0.367	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.55	25	
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.46	25	
trans-1,4-Dichloro-2-butene	11.3	2.0	µg/L	10.0		113	70-130	4.23	25	
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130	3.10	25	
1,2-Dichloroethane	10.3	5.0	µg/L	10.0		103	70-130	0.868	25	
1,1-Dichloroethylene	8.74	1.0	µg/L	10.0		87.4	70-130	1.38	25	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.83	25	
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	2.97	25	
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130	0.679	25	
cis-1,3-Dichloropropene	9.88	0.50	µg/L	10.0		98.8	70-130	1.81	25	
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130	1.10	25	
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	0.869	25	
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160	0.333	25	†
Iodomethane	8.39	10	µg/L	10.0		83.9	70-130	12.0	25	J
Methylene Chloride	8.48	5.0	µg/L	10.0		84.8	70-130	1.19	25	
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101	70-160	0.256	25	†
Styrene	10.1	1.0	µg/L	10.0		101	70-130	0.199	25	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.64	25	
1,1,2,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113	70-130	2.53	25	
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.00	25	
Toluene	9.91	1.0	µg/L	10.0		99.1	70-130	0.00	25	
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	1.37	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.931	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	0.746	25	
Trichlorofluoromethane (Freon 11)	9.76	2.0	µg/L	10.0		97.6	70-130	1.44	25	
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112	70-130	3.42	25	
Vinyl Acetate	70.9	20	µg/L	100		70.9	70-130	4.80	25	
Vinyl Chloride	7.81	2.0	µg/L	10.0		78.1	40-160	1.68	25	†
m+p Xylene	19.9	2.0	µg/L	20.0		99.4	70-130	0.656	25	
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130	1.10	25	
Surrogate: 1,2-Dichloroethane-d4	*25.7*		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.3	70-130			

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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 B099615 - SW-846 5030B										
Blank (B099615-BLK1)				Prepared: 07/08/14 Analyzed: 07/09/14						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	5.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Iodomethane	ND	10	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
Vinyl Acetate	ND	20	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.6	70-130			

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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 B099615 - SW-846 5030B										
LCS (B099615-BS1)				Prepared: 07/08/14 Analyzed: 07/09/14						
Acetone	97.4	50	µg/L	100		97.4	70-160			†
Acrylonitrile	9.26	5.0	µg/L	10.0		92.6	70-130			
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130			
Bromodichloromethane	9.80	0.50	µg/L	10.0		98.0	70-130			
Bromoform	12.0	1.0	µg/L	10.0		120	70-130			
Bromomethane	5.93	2.0	µg/L	10.0		59.3	40-160			†
2-Butanone (MEK)	98.1	20	µg/L	100		98.1	40-160			†
Carbon Disulfide	10.4	4.0	µg/L	10.0		104	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	9.37	1.0	µg/L	10.0		93.7	70-130			
Chlorodibromomethane	9.39	0.50	µg/L	10.0		93.9	70-130			
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130			
Chloroform	9.86	2.0	µg/L	10.0		98.6	70-130			
Chloromethane	7.89	5.0	µg/L	10.0		78.9	40-160			†
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130			
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,4-Dichloro-2-butene	10.7	2.0	µg/L	10.0		107	70-130			
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	10.0	5.0	µg/L	10.0		100	70-130			
1,1-Dichloroethylene	8.50	1.0	µg/L	10.0		85.0	70-130			
cis-1,2-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130			
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	9.88	0.50	µg/L	10.0		98.8	70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
Ethylbenzene	9.84	1.0	µg/L	10.0		98.4	70-130			
2-Hexanone (MBK)	97.1	10	µg/L	100		97.1	70-160			†
Iodomethane	8.62	10	µg/L	10.0		86.2	70-130			J
Methylene Chloride	9.36	5.0	µg/L	10.0		93.6	70-130			
4-Methyl-2-pentanone (MIBK)	96.6	10	µg/L	100		96.6	70-160			†
Styrene	9.77	1.0	µg/L	10.0		97.7	70-130			
1,1,1,2-Tetrachloroethane	9.87	1.0	µg/L	10.0		98.7	70-130			
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Tetrachloroethylene	9.89	1.0	µg/L	10.0		98.9	70-130			
Toluene	9.69	1.0	µg/L	10.0		96.9	70-130			
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	9.46	2.0	µg/L	10.0		94.6	70-130			
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108	70-130			
Vinyl Acetate	71.2	20	µg/L	100		71.2	70-130			
Vinyl Chloride	8.08	2.0	µg/L	10.0		80.8	40-160			†
m+p Xylene	19.2	2.0	µg/L	20.0		96.0	70-130			
o-Xylene	9.42	1.0	µg/L	10.0		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	*24.1*		µg/L	25.0		96.4	70-130			

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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 B099615 - SW-846 5030B												
LCS Dup (B099615-BSD1)				Prepared: 07/08/14 Analyzed: 07/09/14								
Acetone	87.5	50	µg/L	100		87.5		70-160	10.8	25		†
Acrylonitrile	9.04	5.0	µg/L	10.0		90.4		70-130	2.40	25		
Benzene	10.7	1.0	µg/L	10.0		107		70-130	2.94	25		
Bromochloromethane	11.0	1.0	µg/L	10.0		110		70-130	2.75	25		
Bromodichloromethane	9.87	0.50	µg/L	10.0		98.7		70-130	0.712	25		
Bromoform	11.4	1.0	µg/L	10.0		114		70-130	4.27	25		
Bromomethane	6.75	2.0	µg/L	10.0		67.5		40-160	12.9	25		†
2-Butanone (MEK)	92.4	20	µg/L	100		92.4		40-160	6.04	25		†
Carbon Disulfide	10.2	4.0	µg/L	10.0		102		70-130	2.52	25		
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108		70-130	1.41	25		
Chlorobenzene	9.65	1.0	µg/L	10.0		96.5		70-130	2.94	25		
Chlorodibromomethane	9.23	0.50	µg/L	10.0		92.3		70-130	1.72	25		
Chloroethane	10.6	2.0	µg/L	10.0		106		70-130	3.27	25		
Chloroform	10.2	2.0	µg/L	10.0		102		70-130	3.49	25		
Chloromethane	9.15	5.0	µg/L	10.0		91.5		40-160	14.8	25		†
1,2-Dibromo-3-chloropropane (DBCP)	10.1	5.0	µg/L	10.0		101		70-130	2.15	25		
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103		70-130	2.68	25		
Dibromomethane	10.5	1.0	µg/L	10.0		105		70-130	0.00	25		
1,2-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7		70-130	0.101	25		
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100		70-130	0.299	25		
trans-1,4-Dichloro-2-butene	10.2	2.0	µg/L	10.0		102		70-130	4.12	25		
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111		70-130	4.50	25		
1,2-Dichloroethane	10.0	5.0	µg/L	10.0		100		70-130	0.100	25		
1,1-Dichloroethylene	8.66	1.0	µg/L	10.0		86.6		70-130	1.86	25		
cis-1,2-Dichloroethylene	9.99	1.0	µg/L	10.0		99.9		70-130	0.602	25		
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130	0.384	25		
1,2-Dichloropropane	9.92	1.0	µg/L	10.0		99.2		70-130	2.00	25		
cis-1,3-Dichloropropene	9.66	0.50	µg/L	10.0		96.6		70-130	2.25	25		
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104		70-130	2.64	25		
Ethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	3.89	25		
2-Hexanone (MBK)	91.3	10	µg/L	100		91.3		70-160	6.10	25		†
Iodomethane	7.68	10	µg/L	10.0		76.8		70-130	11.5	25	J	
Methylene Chloride	8.48	5.0	µg/L	10.0		84.8		70-130	9.87	25		
4-Methyl-2-pentanone (MIBK)	92.0	10	µg/L	100		92.0		70-160	4.88	25		†
Styrene	10.1	1.0	µg/L	10.0		101		70-130	3.52	25		
1,1,1,2-Tetrachloroethane	9.95	1.0	µg/L	10.0		99.5		70-130	0.807	25		
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105		70-130	2.64	25		
Tetrachloroethylene	9.76	1.0	µg/L	10.0		97.6		70-130	1.32	25		
Toluene	9.82	1.0	µg/L	10.0		98.2		70-130	1.33	25		
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130	0.00	25		
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101		70-130	1.76	25		
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130	0.191	25		
Trichlorofluoromethane (Freon 11)	9.48	2.0	µg/L	10.0		94.8		70-130	0.211	25		
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106		70-130	1.88	25		
Vinyl Acetate	66.9	20	µg/L	100		**66.9**	*	70-130	6.20	25	L-07	
Vinyl Chloride	8.34	2.0	µg/L	10.0		83.4		40-160	3.17	25		†
m+p Xylene	19.0	2.0	µg/L	20.0		95.2		70-130	0.941	25		
o-Xylene	9.84	1.0	µg/L	10.0		98.4		70-130	4.36	25		
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101		70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.4		70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.1		70-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B099303 - SW-846 7470A Prep										
Blank (B099303-BLK1)				Prepared: 07/02/14 Analyzed: 07/03/14						
Mercury	ND	0.10	µg/L							
LCS (B099303-BS1)				Prepared: 07/02/14 Analyzed: 07/03/14						
Mercury	2.08	0.10	µg/L	2.00		104	80-120			
LCS Dup (B099303-BSD1)				Prepared: 07/02/14 Analyzed: 07/03/14						
Mercury	2.09	0.10	µg/L	2.00		105	80-120	0.734	20	
Batch B099469 - SW-846 3005A										
Blank (B099469-BLK1)				Prepared: 07/05/14 Analyzed: 07/10/14						
Arsenic	ND	0.80	µg/L							
Barium	ND	20	µg/L							
Cadmium	ND	1.0	µg/L							
Chromium	0.81	20	µg/L							J
Lead	ND	2.0	µg/L							
Selenium	ND	10	µg/L							
Silver	ND	1.0	µg/L							
LCS (B099469-BS1)				Prepared: 07/05/14 Analyzed: 07/10/14						
Arsenic	245	2.0	µg/L	250		98.1	80-120			
Barium	234	50	µg/L	250		93.5	80-120			
Cadmium	233	2.5	µg/L	250		93.3	80-120			
Chromium	244	50	µg/L	250		97.5	80-120			
Lead	243	5.0	µg/L	250		97.4	80-120			
Selenium	244	25	µg/L	250		97.5	80-120			
Silver	242	2.5	µg/L	250		97.0	80-120			
LCS Dup (B099469-BSD1)				Prepared: 07/05/14 Analyzed: 07/10/14						
Arsenic	241	2.0	µg/L	250		96.3	80-120	1.92	20	
Barium	239	50	µg/L	250		95.5	80-120	2.13	20	
Cadmium	236	2.5	µg/L	250		94.3	80-120	1.16	20	
Chromium	240	50	µg/L	250		96.1	80-120	1.48	20	
Lead	241	5.0	µg/L	250		96.6	80-120	0.818	20	
Selenium	242	25	µg/L	250		96.8	80-120	0.770	20	
Silver	228	2.5	µg/L	250		91.4	80-120	5.90	20	
Duplicate (B099469-DUP1)	**Source: 14G0084-01**			Prepared: 07/05/14 Analyzed: 07/10/14						
Arsenic	19.0	0.80	µg/L		12.6			**40.7** *	20	R-01
Barium	49.5	20	µg/L		33.6			**38.3** *	20	R-04
Cadmium	0.0550	1.0	µg/L		ND			NC	20	J
Chromium	ND	20	µg/L		ND			NC	20	
Lead	ND	2.0	µg/L		ND			NC	20	
Selenium	ND	10	µg/L		ND			NC	20	
Silver	ND	1.0	µg/L		ND			NC	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B099469 - SW-846 3005A										
Matrix Spike (B099469-MS1)		**Source: 14G0084-01**		Prepared: 07/05/14 Analyzed: 07/10/14						
Arsenic	261	2.0	µg/L	250	12.6	99.2	75-125			
Barium	285	50	µg/L	250	33.6	101	75-125			
Cadmium	236	2.5	µg/L	250	ND	94.6	75-125			
Chromium	239	50	µg/L	250	ND	95.8	75-125			
Lead	243	5.0	µg/L	250	ND	97.2	75-125			
Selenium	241	25	µg/L	250	ND	96.3	75-125			
Silver	194	2.5	µg/L	250	ND	77.6	75-125			

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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.
	No results have been blank subtracted unless specified in the case narrative section.
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.
R-01	Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.
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).

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

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Phone: 413-525-2332
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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

14G0084

39 Spruce Street
East longmeadow, MA 01028

Company Name: E2S
Address: 3008 Anderson Dr. St. 102
Raleigh, NC 27603
Attention: Pat Shillington
Project Location: Hoke
Sampled By: RWB

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

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

Project Proposal Provided? (for billing purposes)
○ 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	Total RCRA Metals	# of Containers	** Preservation	***Container Code
01	MW-1	6/30/14	10:48		X			X	X			
02	MW-2		11:25									
03	MW-3		11:44									
04	MW-5		12:18									
05	MW-6		10:55									
06	VS		12:59									
07	MS		12:22									
08	DS		12:30									

Dissolved Metals
○ Field Filtered
○ 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_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/1/14 1530	
Received by: (signature)	Date/Time: 7/1/14 1530	
Relinquished by: (signature)	Date/Time: 7/1/14 1800	
Received by: (signature) 3.4°C 7/2/14	Date/Time: 10:39	

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
AIHA ACCREDITED LABORATORY Environmental Lead & Industrial Hygiene

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

IMPORTANT!
FedEx is closely monitoring Tropical Storm Arthur. Learn More

FedEx

876708601915

Ship (P/U) date :
Tues 7/01/2014 7:29 pm
RAL US

Delivered
Signed for by: C.COLLINS

Actual delivery :
Wed 7/02/2014 10:39 am
EAST LONGMEADOW, MA US

3 Piece shipment

Travel History

Date/Time	Activity	Location
7/02/2014 - Wednesday		
10:39 am	Delivered	EAST LONGMEADOW, MA
9:18 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
6:56 am	At local FedEx facility	WINDSOR LOCKS, CT
6:01 am	At destination sort facility	EAST GRANBY, CT
4:25 am	Departed FedEx location	INDIANAPOLIS, IN
12:12 am	Arrived at FedEx location	INDIANAPOLIS, IN
7/01/2014 - Tuesday		
10:06 pm	Left FedEx origin facility	DURHAM, NC
7:29 pm	Picked up	RALEIGH, NC

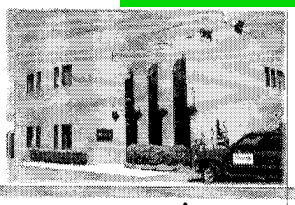
Local Scan Time

Shipment Facts

Tracking number	876708601915	**Service**	FedEx Priority Overnight
Master tracking number	876708601915	**Dimensions**	28x15x18 in.
Delivered To	Receptionist/Front Desk	**Total pieces**	3
Total shipment weight	128 lbs / 58.06 kgs	**Packaging**	Your Packaging
Special handling section	Deliver Weekday, Additional Handling Surcharge		

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: EZS **RECEIVED BY:** MJ **DATE:** 7/2/14

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

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.4°C

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** _____
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		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic	8	Non-ConTest Container	
40 mL Vial - type listed below	16	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Doc# 277

Rev. 4 August 2013

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Log-In Technician Initials: **Date/Time:**

MJ 7/2/14 10:39