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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

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)
Chatham County MSW Landfill	811 County Landfill Rd.	19-01		November 29, 2012

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

T. Patrick Shillington, PE — President — (919)781-7798

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

T. Patrick Shillington — 12 Dec 12

Signature — Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON

3008 Anderson Dr. Suite 102, Raleigh, NC 27609

Facility Representative Address

C-2591

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

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

December 11, 2012

Ms. Sonya Gilliland
Solid Waste Coordinator
P.O. Box 1540
Pittsboro, NC 27312

RE: Monitoring Well Test Results
November 29, 2012 Sampling Event
Chatham County MSW Landfill
Permit No. 19-01

Dear Ms. Gilliland:

Submitted are the test results for the water sampled from the five (5) monitoring wells of the Chatham County MSW Landfill, and the two (2) surface water samples collected upstream and downstream of the Chatham County MSW Landfill. The test results for each well and surface water sample are summarized in Table 1 in Attachment A. Figure 1 in Attachment A shows the sample locations. Attachment B contains the test results as submitted by Con-Test Analytical Laboratory.

Prior to sampling each monitoring 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 to purge the wells of at least three times the volume of static well water. Surface water sampling was performed by dipping the containers into the stream.

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 prior to sample collection.

We appreciate serving Chatham County on the well and surface water sampling and testing. Please contact us if you have any questions concerning the test results.

Sincerely,

T. Patrick Shillington, P.E.
President

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON

Robert W. Brantly, E.I.
Project Engineer

Attachment A: Table 1 and Figure 1
Attachment B: Analytical Test Results

ATTACHMENT A:
Table 1 & Figure 1

Table 1- 11/29/2012 Summarized Results

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	2L	2B	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LAB CERTIFICATION
19-01	MW-1N	67-64-1	3	Acetone	1.6	ug/L	J	SW846 8260B	0.54	50	100	6000	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-1N	75-15-0	35	Carbon Disulfide	0.11	ug/L	J	SW846 8260B	0.05	2	100	700	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-1N	108-90-7	39	Chlorobenzene	0.22	ug/L	J	SW846 8260B	0.05	1	3	50	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-1N	106-46-7	71	1,4 Dichlorobenzene	0.66	ug/L	J	SW846 8260B	0.11	1	1	6	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-1N	75-34-3	75	1,1 Dichloroethane	0.8	ug/L	J	SW846 8260B	0.09	1	5	6	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-1N	7440-38-2	14	Arsenic	2.4	ug/L		SW846 6020A	0.5	2	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-1N	7440-39-3	15	Barium	**580**	ug/L		SW846 6020A	0.67	20	100	700	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-1N	7440-43-9	34	Cadmium	0.64	ug/L	J	SW846 6020A	0.058	1	1	2	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-1N	7440-47-3	51	Chromium	31	ug/L		SW846 6020A	0.69	20	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-1N	7439-92-1	131	Lead	3.5	ug/L		SW846 6020A	0.095	2	10	15	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-1N	7782-49-2	183	Selenium	3.4	ug/L	J	SW846 6020A	1.1	10	10	20	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-1N			Well Elevation	481.73	ft.												
19-01	MW-1N			Groundwater Depth	12.56	ft.												
19-01	MW-1N			Water Level Elevation	469.17	ft.												
19-01	MW-1N			Temperature	15.6	C												
19-01	MW-1N			pH	6.25													
19-01	MW-1N			Conductivity	63	mV												
19-01	MW-1N			Total Suspended Solids	512	ppm												
19-01	MW-2N	67-64-1	3	Acetone	4.5	ug/L	J	SW846 8260B	0.54	50	100	6000	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	71-43-2	16	Benzene	2.4	ug/L		SW846 8260B	0.05	1	1	1	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	75-15-0	35	Carbon Disulfide	0.17	ug/L	J	SW846 8260B	0.05	2	100	700	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	108-90-7	39	Chlorobenzene	**3.7**	ug/L		SW846 8260B	0.05	1	3	50	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	75-00-3	41	Chloroethane	0.72	ug/L	J	SW846 8260B	0.33	2	10	3000	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	106-46-7	71	1,4-Dichlorobenzene	**1.2**	ug/L		SW846 8260B	0.11	1	1	6	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	108-88-3	196	Toluene	0.24	ug/L	J	SW846 8260B	0.04	1	1	600	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	1330-20-7	346	m+p Xylene	0.12	ug/L	J	SW846 8260B	0.07	2	5	500	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-2N	7440-38-2	14	Arsenic	6.5	ug/L		SW846 6020A	0.5	2	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-2N	7440-39-3	15	Barium	720	ug/L		SW846 6020A	0.67	20	100	700	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-2N	7440-43-9	34	Cadmium	**1.6**	ug/L		SW846 6020A	0.058	1	1	2	-	2	11/29/2012	12/5/2012	12/5/2012	652

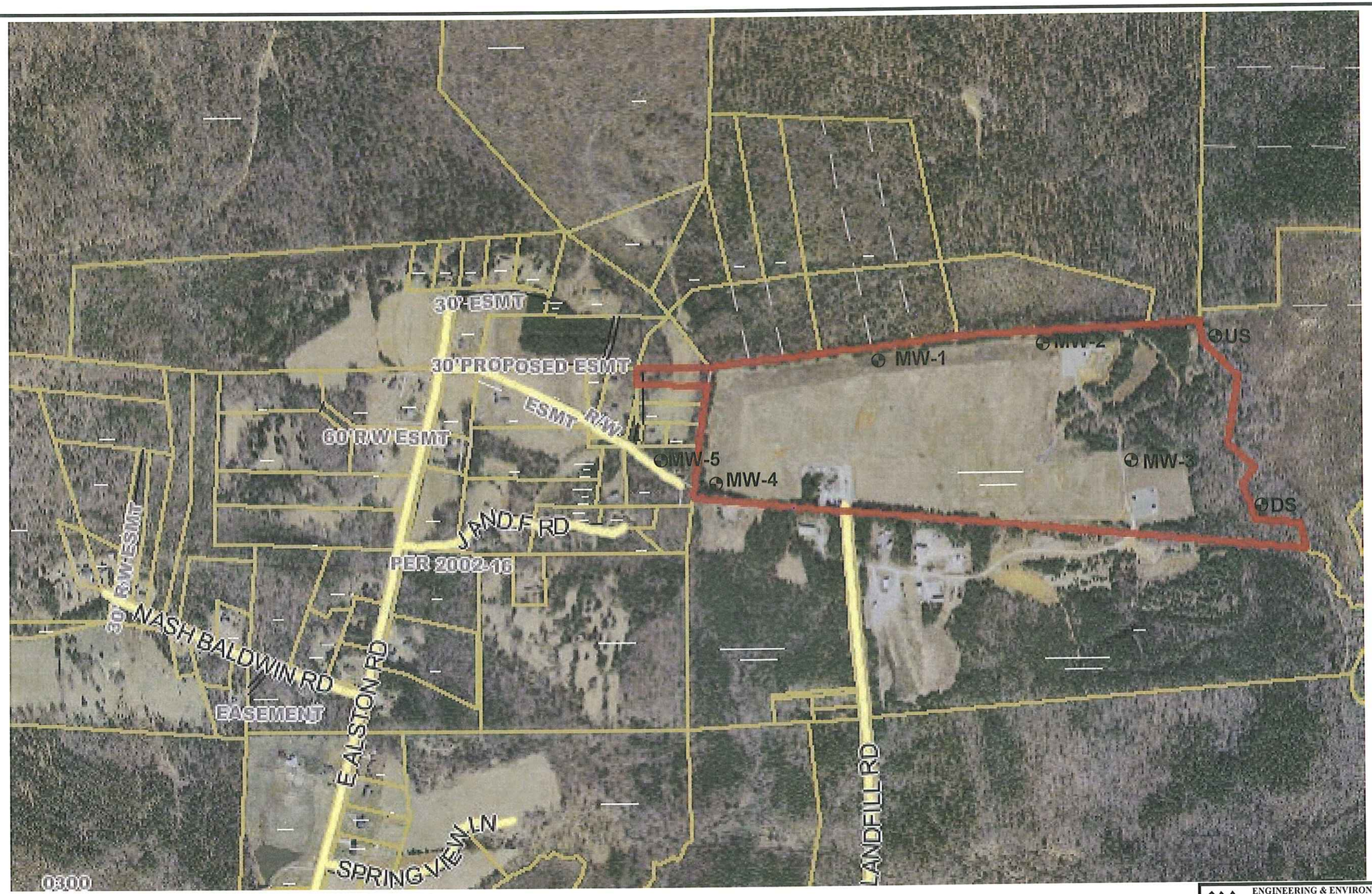
FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	2L	2B	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LAB CERTIFICATION
19-01	MW-2N	7440-47-3	51	Chromium	17	ug/L	J	SW846 6020A	0.69	20	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-2N	7439-92-1	131	Lead	**12**	ug/L		SW846 6020A	0.095	2	10	15	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-2N	7782-49-2	183	Selenium	6.5	ug/L	J	SW846 6020A	1.1	10	10	20	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-2N			Well Elevation	465.36	ft.												
19-01	MW-2N			Groundwater Depth	15.06	ft.												
19-01	MW-2N			Water Level Elevation	450.3	ft.												
19-01	MW-2N			Temperature	18.4	C												
19-01	MW-2N			pH	6.08													
19-01	MW-2N			Conductivity	10	mV												
19-01	MW-2N			Total Suspended Solids	477	ppm												
19-01	MW-3N	67-64-1	3	Acetone	49	ug/L	J	SW846 8260B	11	1000	100	6000	-	20	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-3N	75-15-0	35	Carbon Disulfide	3.6	ug/L	J	SW846 8260B	1	40	100	700	-	20	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-3N	7440-38-2	14	Arsenic	3.3	ug/L		SW846 6020A	0.5	2	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-3N	7440-39-3	15	Barium	**320**	ug/L		SW846 6020A	0.67	20	100	700	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-3N	7440-43-9	34	Cadmium	0.75	ug/L	J	SW846 6020A	0.058	1	1	2	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-3N	7440-47-3	51	Chromium	19	ug/L	J	SW846 6020A	0.69	20	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-3N	7439-92-1	131	Lead	41	ug/L		SW846 6020A	0.095	2	10	15	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-3N			Well Elevation	465.85	ft.												
19-01	MW-3N			Groundwater Depth	11.7	ft.												
19-01	MW-3N			Water Level Elevation	454.15	ft.												
19-01	MW-3N			Temperature	18.4	C												
19-01	MW-3N			pH	6.56													
19-01	MW-3N			Conductivity	128	mV												
19-01	MW-3N			Total Suspended Solids	96	ppm												
19-01	MW-4N	67-64-1	3	Acetone	20	ug/L	J	SW846 8260B	0.54	50	100	6000	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	71-43-2	16	Benzene	1.2	ug/L		SW846 8260B	0.05	1	1	1	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	75-15-0	35	Carbon Disulfide	1.1	ug/L	J	SW846 8260B	0.05	2	100	700	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	108-90-7	39	Chlorobenzene	1.5	ug/L		SW846 8260B	0.05	1	3	50	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	106-46-7	71	1,4 Dichlorobenzene	**1.2**	ug/L		SW846 8260B	0.11	1	1	6	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	75-34-3	75	1,1 Dichloroethane	0.53	ug/L	J	SW846 8260B	0.09	1	5	6	-	1	11/29/2012	12/5/2012	12/6/2012	652

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	2L	2B	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LAB CERTIFICATION
19-01	MW-4N	156-59-2	78	cis-1,2-Dichloroethylene	0.5	ug/L	J	SW846 8260B	0.05	1	5	70	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	108-88-3	196	Toluene	0.22	ug/L	J	SW846 8260B	0.04	1	1	600	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	96-47-6	408	o-Xylene	0.12	ug/L	J	SW846 8260B	0.05	1	5	500	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-4N	7440-38-2	14	Arsenic	2.5	ug/L		SW846 6020A	0.5	2	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-4N	7440-39-3	15	Barium	790	ug/L		SW846 6020A	0.67	20	100	700	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-4N	7440-43-9	34	Cadmium	0.58	ug/L	J	SW846 6020A	0.058	1	1	2	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-4N	7440-47-3	51	Chromium	12	ug/L	J	SW846 6020A	0.69	20	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-4N	7439-92-1	131	Lead	14	ug/L		SW846 6020A	0.095	2	10	15	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-4N	7782-49-2	183	Selenium	2.6	ug/L	J	SW846 6020A	1.1	10	10	20	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-4N			Well Elevation	522.84	ft.												
19-01	MW-4N			Groundwater Depth	50.74	ft.												
19-01	MW-4N			Water Level Elevation	472.1	ft.												
19-01	MW-4N			Temperature	14.3	C												
19-01	MW-4N			pH	6.3													
19-01	MW-4N			Conductivity	184	mV												
19-01	MW-4N			Total Suspended Solids	622	ppm												
19-01	MW-5N	67-64-1	3	Acetone	4.1	ug/L	J	SW846 8260B	0.54	50	100	6000	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-5N	75-15-0	35	Carbon Disulfide	0.17	ug/L	J	SW846 8260B	0.05	2	100	700	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	MW-5N	7440-38-2	14	Arsenic	1.7	ug/L	J	SW846 6020A	0.5	2	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-5N	7440-39-3	15	Barium	3.2	ug/L	J	SW846 6020A	0.67	20	100	700	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-5N	7440-47-3	51	Chromium	5.9	ug/L	J	SW846 6020A	1.7	5	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-5N	7439-92-1	131	Lead	1.5	ug/L	J	SW846 6020A	0.095	2	10	15	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	MW-5N			Well Elevation	515.58	ft.												
19-01	MW-5N			Groundwater Depth	41.12	ft.												
19-01	MW-5N			Water Level Elevation	474.46	ft.												
19-01	MW-5N			Temperature	15.7	C												
19-01	MW-5N			pH	6.23													
19-01	MW-5N			Conductivity	143	mV												
19-01	MW-5N			Total Suspended Solids	256	ppm												
19-01	DS	67-64-1	3	Acetone	18	ug/L	J	SW846 8260B	0.54	50	100	6000	2000	1	11/29/2012	12/5/2012	12/6/2012	652

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	2L	2B	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE	NC LAB CERTIFICATION
19-01	DS	75-15-0	35	Carbon Disulfide	0.16	ug/L	J	SW846 8260B	0.05	2	100	700	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	DS	108-88-3	196	Toluene	**2.5**	ug/L		SW846 8260B	0.04	1	1	600	11	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	DS	7440-38-2	14	Arsenic	2.1	ug/L		SW846 6020A	0.5	2	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	DS	7440-39-3	15	Barium	39	ug/L		SW846 6020A	0.67	20	100	700	200	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	DS	7440-47-3	51	Chromium	11	ug/L	J	SW846 6020A	0.69	20	10	10	50	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	DS	7439-92-1	131	Lead	0.3	ug/L	J	SW846 6020A	0.095	2	10	15	25	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	DS			Temperature	8.8	C												
19-01	DS			pH	6.76													
19-01	DS			Conductivity	138	mV												
19-01	DS			Total Suspended Solids	127	ppm												
19-01	US	67-64-1	3	Acetone	34	ug/L	J	SW846 8260B	0.54	50	100	6000	2000	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	US	78-93-3	141	2-Butanone (MEK)	2.5	ug/L	R-05,J	SW846 8260B	0.41	20	100	4000	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	US	75-15-0	35	Carbon Disulfide	0.19	ug/L	J	SW846 8260B	0.05	2	100	700	-	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	US	108-88-3	196	Toluene	**14**	ug/L	J	SW846 8260B	0.04	1	1	600	11	1	11/29/2012	12/5/2012	12/6/2012	652
19-01	US	7440-38-2	14	Arsenic	3	ug/L		SW846 6020A	0.5	2	10	10	-	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	US	7440-39-3	15	Barium	68	ug/L		SW846 6020A	0.67	20	100	700	200	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	US	7440-43-9	34	Cadmium	0.19	ug/L	J	SW846 6020A	0.058	1	1	2	2	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	US	7440-47-3	51	Chromium	7.5	ug/L		SW846 6020A	0.69	20	10	10	50	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	US	7439-92-1	131	Lead	1.3	ug/L	J	SW846 6020A	0.095	2	10	15	25	2	11/29/2012	12/5/2012	12/5/2012	652
19-01	US			Temperature	8.6	C												
19-01	US			pH	7.1													
19-01	US			Conductivity	91	mV												
19-01	US			Total Suspended Solids	123	ppm												

Bolded values exceed SWSL

Red values exceed 2L Standards



Scale: 1"=600'

ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY
3008 Anderson Drive
Raleigh, NC 27609
(919) 781-7798

Sampling Locations
Chatham County Landfill
811 County Landfill Road
Pittsboro, NC 27312

Chatham County
PO Box 189
Pittsboro, NC 27312

DATE: 06/08/12
DRAWN: rwb
REVISED: 12/11/12
SCALE: See Drawing
Sheet No. 1 of 1

ATTACHMENT B:
Analytical Test Results

con-test®
ANALYTICAL LABORATORY

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

December 11, 2012

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

Project Location: Chatham Co
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12L0057

Enclosed are results of analyses for samples received by the laboratory on November 30, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Worthington

Lisa A. Worthington
Project Manager

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

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

REPORT DATE: 12/11/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0057

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

PROJECT LOCATION: Chatham Co

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-3	12L0057-01	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-2	12L0057-02	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-1	12L0057-03	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-4	12L0057-04	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
MW-5	12L0057-05	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
US	12L0057-06	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	
DS	12L0057-07	Ground Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8260B	

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CASE NARRATIVE SUMMARY

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

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

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Iodomethane, Trichlorofluoromethane (Freon 11)

B064067-BS1, B064067-BSD1

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:

Acetone

B064067-BS1

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), trans-1,4-Dichloro-2-butene

B064067-BSD1

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), 2-Butanone (MEK), 2-Hexanone (MBK), Bromomethane, trans-1,4-Dichloro-2-butene

12L0057-01[MW-3], 12L0057-02[MW-2], 12L0057-03[MW-1], 12L0057-04[MW-4], 12L0057-05[MW-5], 12L0057-06[US], 12L0057-07[DS], B064067-BLK1, B064067-BS1, B064067-BSD1

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

Analyte & Samples(s) Qualified:

2-Butanone (MEK), Acetone, Bromomethane, Trichlorofluoromethane (Freon 11)

B064067-BS1, B064067-BSD1

Elevated reporting limit due to large amount of sediment in sample.

Analyte & Samples(s) Qualified:

12L0057-01[MW-3]

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

Daren J. Damboragian
Laboratory Manager

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Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-3
Sampled: 11/29/2012 10:15

Sample ID: 12L0057-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	49	1000	11	µg/L	20	J	SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Acrylonitrile	ND	100	10	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Benzene	ND	20	1.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Bromochloromethane	ND	20	2.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Bromodichloromethane	ND	10	1.6	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Bromoform	ND	20	5.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Bromomethane	ND	40	7.6	µg/L	20	R-05	SW-846 8260B	12/5/12	12/6/12 1:44	EEH
2-Butanone (MEK)	ND	400	8.2	µg/L	20	R-05	SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Carbon Disulfide	3.6	40	1.0	µg/L	20	J	SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Carbon Tetrachloride	ND	100	1.8	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Chlorobenzene	ND	20	1.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Chlorodibromomethane	ND	10	2.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Chloroethane	ND	40	6.6	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Chloroform	ND	40	0.80	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Chloromethane	ND	40	2.6	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	9.6	µg/L	20	R-05	SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,2-Dibromoethane (EDB)	ND	10	2.8	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Dibromomethane	ND	20	1.6	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,2-Dichlorobenzene	ND	20	1.2	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,4-Dichlorobenzene	ND	20	2.2	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
trans-1,4-Dichloro-2-butene	ND	40	15	µg/L	20	R-05	SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,1-Dichloroethane	ND	20	1.8	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,2-Dichloroethane	ND	20	1.8	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,1-Dichloroethylene	ND	20	2.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
cis-1,2-Dichloroethylene	ND	20	1.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
trans-1,2-Dichloroethylene	ND	20	1.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,2-Dichloropropane	ND	20	4.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
cis-1,3-Dichloropropene	ND	10	1.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
trans-1,3-Dichloropropene	ND	10	2.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Ethylbenzene	ND	20	1.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
2-Hexanone (MBK)	ND	200	13	µg/L	20	R-05	SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Iodomethane	ND	200	16	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Methylene Chloride	ND	100	45	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	4.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Styrene	ND	20	1.2	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,1,1,2-Tetrachloroethane	ND	20	1.6	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,1,2,2-Tetrachloroethane	ND	10	3.6	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Tetrachloroethylene	ND	20	2.8	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Toluene	ND	20	0.80	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,1,1-Trichloroethane	ND	20	1.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,1,2-Trichloroethane	ND	20	1.6	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Trichloroethylene	ND	20	2.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Trichlorofluoromethane (Freon 11)	ND	40	1.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
1,2,3-Trichloropropane	ND	40	4.2	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH

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Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-3
Sampled: 11/29/2012 10:15

Sample ID: 12L0057-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	400	250	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
Vinyl Chloride	ND	40	3.2	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
m+p Xylene	ND	40	1.4	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH
o-Xylene	ND	20	1.0	µg/L	20		SW-846 8260B	12/5/12	12/6/12 1:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		12/6/12 1:44
Toluene-d8	102	70-130		12/6/12 1:44
4-Bromofluorobenzene	97.1	70-130		12/6/12 1:44

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Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-3
Sampled: 11/29/2012 10:15

Sample ID: 12L0057-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.3	2.0	0.50	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:09	KSH
Barium	320	20	0.67	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:09	KSH
Cadmium	0.75	1.0	0.058	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:09	KSH
Chromium	19	20	0.69	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:09	KSH
Lead	41	2.0	0.095	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:09	KSH
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	12/5/12	12/5/12 12:14	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:09	KSH
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:09	KSH

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Project Location: Chatham Co
Sample Description:
Work Order: 12L0057
Date Received: 11/30/2012
Field Sample #: MW-2
Sampled: 11/29/2012 10:40
Sample ID: 12L0057-02
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.5	50	0.54	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Acrylonitrile	ND	5.0	0.51	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Benzene	2.4	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Bromochloromethane	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Bromodichloromethane	ND	0.50	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Bromoform	ND	1.0	0.25	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Bromomethane	ND	2.0	0.38	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
2-Butanone (MEK)	ND	20	0.41	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Carbon Disulfide	0.17	2.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Carbon Tetrachloride	ND	5.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Chlorobenzene	3.7	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Chloroethane	0.72	2.0	0.33	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Chloroform	ND	2.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Chloromethane	ND	2.0	0.13	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.48	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Dibromomethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,2-Dichlorobenzene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,4-Dichlorobenzene	1.2	1.0	0.11	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.77	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,1-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,2-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,1-Dichloroethylene	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
cis-1,3-Dichloropropene	ND	0.50	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
trans-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Ethylbenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
2-Hexanone (MBK)	ND	10	0.66	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Iodomethane	ND	10	0.80	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Methylene Chloride	ND	5.0	2.3	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	0.22	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Styrene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.18	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Tetrachloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Toluene	0.24	1.0	0.040	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,1,1-Trichloroethane	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,1,2-Trichloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Trichloroethylene	ND	1.0	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
1,2,3-Trichloropropane	ND	2.0	0.21	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH

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Project Location: Chatham Co | Sample Description: | Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-2 | Sampled: 11/29/2012 10:40

Sample ID: 12L0057-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
Vinyl Chloride	ND	2.0	0.16	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH
m+p Xylene	0.12	2.0	0.070	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:10	EEH
o-Xylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	107	70-130		12/6/12 2:10
Toluene-d8	101	70-130		12/6/12 2:10
4-Bromofluorobenzene	97.2	70-130		12/6/12 2:10

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-2
Sampled: 11/29/2012 10:40

Sample ID: 12L0057-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.5	2.0	0.50	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:13	KSH
Barium	720	20	0.67	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:13	KSH
Cadmium	1.6	1.0	0.058	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:13	KSH
Chromium	17	20	0.69	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:13	KSH
Lead	12	2.0	0.095	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:13	KSH
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	12/5/12	12/5/12 12:16	SAJ
Selenium	6.5	10	1.1	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:13	KSH
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:13	KSH

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057
Date Received: 11/30/2012
Field Sample #: MW-1
Sampled: 11/29/2012 11:10
Sample ID: 12L0057-03
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	1.6	50	0.54	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Acrylonitrile	ND	5.0	0.51	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Benzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Bromochloromethane	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Bromodichloromethane	ND	0.50	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Bromoform	ND	1.0	0.25	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Bromomethane	ND	2.0	0.38	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
2-Butanone (MEK)	ND	20	0.41	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Carbon Disulfide	0.11	2.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Carbon Tetrachloride	ND	5.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Chlorobenzene	0.22	1.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Chloroethane	ND	2.0	0.33	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Chloroform	ND	2.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Chloromethane	ND	2.0	0.13	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.48	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Dibromomethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,2-Dichlorobenzene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,4-Dichlorobenzene	0.66	1.0	0.11	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.77	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,1-Dichloroethane	0.80	1.0	0.090	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,2-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,1-Dichloroethylene	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Ethylbenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
2-Hexanone (MBK)	ND	10	0.66	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Iodomethane	ND	10	0.80	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Methylene Chloride	ND	5.0	2.3	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	0.22	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Styrene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.18	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Tetrachloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Toluene	ND	1.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,1,1-Trichloroethane	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,1,2-Trichloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Trichloroethylene	ND	1.0	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
1,2,3-Trichloropropane	ND	2.0	0.21	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-1
Sampled: 11/29/2012 11:10

Sample ID: 12L0057-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
Vinyl Chloride	ND	2.0	0.16	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
m+p Xylene	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH
o-Xylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 2:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		12/6/12 2:36
Toluene-d8	102	70-130		12/6/12 2:36
4-Bromofluorobenzene	95.8	70-130		12/6/12 2:36

con-test® ANALYTICAL LABORATORY

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-1
Sampled: 11/29/2012 11:10

Sample ID: 12L0057-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.4	2.0	0.50	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:17	KSH
Barium	580	20	0.67	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:17	KSH
Cadmium	0.64	1.0	0.058	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:17	KSH
Chromium	31	20	0.69	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:17	KSH
Lead	3.5	2.0	0.095	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:17	KSH
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	12/5/12	12/5/12 12:22	SAJ
Selenium	3.4	10	1.1	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:17	KSH
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:17	KSH

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057
Date Received: 11/30/2012
Field Sample #: MW-4
Sampled: 11/29/2012 12:20
Sample ID: 12L0057-04
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	20	50	0.54	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Acrylonitrile	ND	5.0	0.51	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Benzene	1.2	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Bromochloromethane	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Bromodichloromethane	ND	0.50	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Bromoform	ND	1.0	0.25	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Bromomethane	ND	2.0	0.38	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
2-Butanone (MEK)	ND	20	0.41	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Carbon Disulfide	1.1	2.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Carbon Tetrachloride	ND	5.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Chlorobenzene	1.5	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Chloroethane	ND	2.0	0.33	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Chloroform	ND	2.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Chloromethane	ND	2.0	0.13	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.48	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Dibromomethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,2-Dichlorobenzene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,4-Dichlorobenzene	1.2	1.0	0.11	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.77	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,1-Dichloroethane	0.53	1.0	0.090	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,2-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,1-Dichloroethylene	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
cis-1,2-Dichloroethylene	0.50	1.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Ethylbenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
2-Hexanone (MBK)	ND	10	0.66	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Iodomethane	ND	10	0.80	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Methylene Chloride	ND	5.0	2.3	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	0.22	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Styrene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.18	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Tetrachloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Toluene	0.22	1.0	0.040	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,1,1-Trichloroethane	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,1,2-Trichloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Trichloroethylene	ND	1.0	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
1,2,3-Trichloropropane	ND	2.0	0.21	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057
Date Received: 11/30/2012
Field Sample #: MW-4
Sampled: 11/29/2012 12:20
Sample ID: 12L0057-04
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
Vinyl Chloride	ND	2.0	0.16	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
m+p Xylene	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:02	EEH
o-Xylene	0.12	1.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	105	70-130		12/6/12 3:02
Toluene-d8	102	70-130		12/6/12 3:02
4-Bromofluorobenzene	100	70-130		12/6/12 3:02

con-test® ANALYTICAL LABORATORY

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-4
Sampled: 11/29/2012 12:20

Sample ID: 12L0057-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.5	2.0	0.50	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:20	KSH
Barium	790	20	0.67	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:20	KSH
Cadmium	0.58	1.0	0.058	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:20	KSH
Chromium	12	20	0.69	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:20	KSH
Lead	14	2.0	0.095	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:20	KSH
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	12/5/12	12/5/12 12:24	SAJ
Selenium	2.6	10	1.1	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:20	KSH
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:20	KSH

con-test® ANALYTICAL LABORATORY

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-5
Sampled: 11/29/2012 12:40

Sample ID: 12L0057-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.1	50	0.54	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Acrylonitrile	ND	5.0	0.51	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Benzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Bromochloromethane	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Bromodichloromethane	ND	0.50	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Bromoform	ND	1.0	0.25	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Bromomethane	ND	2.0	0.38	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:28	EEH
2-Butanone (MEK)	ND	20	0.41	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Carbon Disulfide	0.17	2.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Carbon Tetrachloride	ND	5.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Chlorobenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Chloroethane	ND	2.0	0.33	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Chloroform	ND	2.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Chloromethane	ND	2.0	0.13	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.48	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Dibromomethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,2-Dichlorobenzene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,4-Dichlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.77	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,1-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,2-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,1-Dichloroethylene	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
cis-1,3-Dichloropropene	ND	0.50	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
trans-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Ethylbenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
2-Hexanone (MBK)	ND	10	0.66	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Iodomethane	ND	10	0.80	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Methylene Chloride	ND	5.0	2.3	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	0.22	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Styrene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.18	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Tetrachloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Toluene	ND	1.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,1,1-Trichloroethane	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,1,2-Trichloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Trichloroethylene	ND	1.0	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
1,2,3-Trichloropropane	ND	2.0	0.21	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-5
Sampled: 11/29/2012 12:40

Sample ID: 12L0057-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
Vinyl Chloride	ND	2.0	0.16	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
m+p Xylene	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH
o-Xylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:28	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		12/6/12 3:28
Toluene-d8	103	70-130		12/6/12 3:28
4-Bromofluorobenzene	99.3	70-130		12/6/12 3:28

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: MW-5
Sampled: 11/29/2012 12:40

Sample ID: 12L0057-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.7	2.0	0.50	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:24	KSH
Barium	3.2	20	0.67	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:24	KSH
Cadmium	ND	1.0	0.058	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:24	KSH
Chromium	5.9	20	0.69	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:24	KSH
Lead	1.5	2.0	0.095	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:24	KSH
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	12/5/12	12/5/12 12:25	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:24	KSH
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:24	KSH

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057
Date Received: 11/30/2012
Field Sample #: US
Sampled: 11/29/2012 11:00
Sample ID: 12L0057-06
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	34	50	0.54	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Acrylonitrile	ND	5.0	0.51	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Benzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Bromochloromethane	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Bromodichloromethane	ND	0.50	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Bromoform	ND	1.0	0.25	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Bromomethane	ND	2.0	0.38	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:54	EEH
2-Butanone (MEK)	2.5	20	0.41	µg/L	1	R-05, J	SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Carbon Disulfide	0.19	2.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Carbon Tetrachloride	ND	5.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Chlorobenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Chloroethane	ND	2.0	0.33	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Chloroform	ND	2.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Chloromethane	ND	2.0	0.13	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.48	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Dibromomethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,2-Dichlorobenzene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,4-Dichlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.77	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,1-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,2-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,1-Dichloroethylene	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
cis-1,3-Dichloropropene	ND	0.50	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
trans-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Ethylbenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
2-Hexanone (MBK)	ND	10	0.66	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Iodomethane	ND	10	0.80	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Methylene Chloride	ND	5.0	2.3	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	0.22	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Styrene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.18	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Tetrachloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Toluene	14	1.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,1,1-Trichloroethane	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,1,2-Trichloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Trichloroethylene	ND	1.0	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
1,2,3-Trichloropropane	ND	2.0	0.21	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: US
Sampled: 11/29/2012 11:00

Sample ID: 12L0057-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
Vinyl Chloride	ND	2.0	0.16	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
m+p Xylene	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH
o-Xylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 3:54	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		12/6/12 3:54
Toluene-d8	102	70-130		12/6/12 3:54
4-Bromofluorobenzene	97.8	70-130		12/6/12 3:54

con-test® ANALYTICAL LABORATORY

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

Project Location: Chatham Co | Sample Description: | Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: US | Sampled: 11/29/2012 11:00

Sample ID: 12L0057-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.0	2.0	0.50	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:27	KSH
Barium	68	20	0.67	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:27	KSH
Cadmium	0.19	1.0	0.058	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:27	KSH
Chromium	7.5	20	0.69	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:27	KSH
Lead	1.3	2.0	0.095	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:27	KSH
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	12/5/12	12/5/12 12:27	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:27	KSH
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:27	KSH

con-test® ANALYTICAL LABORATORY

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: DS
Sampled: 11/29/2012 12:00

Sample ID: 12L0057-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	18	50	0.54	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Acrylonitrile	ND	5.0	0.51	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Benzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Bromochloromethane	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Bromodichloromethane	ND	0.50	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Bromoform	ND	1.0	0.25	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Bromomethane	ND	2.0	0.38	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 4:20	EEH
2-Butanone (MEK)	ND	20	0.41	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Carbon Disulfide	0.16	2.0	0.050	µg/L	1	J	SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Carbon Tetrachloride	ND	5.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Chlorobenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Chloroethane	ND	2.0	0.33	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Chloroform	ND	2.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Chloromethane	ND	2.0	0.13	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.48	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Dibromomethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,2-Dichlorobenzene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,4-Dichlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	0.77	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,1-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,2-Dichloroethane	ND	1.0	0.090	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,1-Dichloroethylene	ND	1.0	0.10	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
cis-1,3-Dichloropropene	ND	0.50	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
trans-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Ethylbenzene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
2-Hexanone (MBK)	ND	10	0.66	µg/L	1	R-05	SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Iodomethane	ND	10	0.80	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Methylene Chloride	ND	5.0	2.3	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	0.22	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Styrene	ND	1.0	0.060	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.18	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Tetrachloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Toluene	2.5	1.0	0.040	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,1,1-Trichloroethane	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,1,2-Trichloroethane	ND	1.0	0.080	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Trichloroethylene	ND	1.0	0.12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
1,2,3-Trichloropropane	ND	2.0	0.21	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012
Field Sample #: DS
Sampled: 11/29/2012 12:00
Sample ID: 12L0057-07
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Acetate	ND	20	12	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
Vinyl Chloride	ND	2.0	0.16	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
m+p Xylene	ND	2.0	0.070	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH
o-Xylene	ND	1.0	0.050	µg/L	1		SW-846 8260B	12/5/12	12/6/12 4:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	104	70-130		12/6/12 4:20
Toluene-d8	102	70-130		12/6/12 4:20
4-Bromofluorobenzene	96.9	70-130		12/6/12 4:20

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

Project Location: Chatham Co
Sample Description:
Work Order: 12L0057

Date Received: 11/30/2012

Field Sample #: DS
Sampled: 11/29/2012 12:00

Sample ID: 12L0057-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.1	2.0	0.50	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:43	KSH
Barium	39	20	0.67	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:43	KSH
Cadmium	ND	1.0	0.058	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:43	KSH
Chromium	11	20	0.69	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:43	KSH
Lead	0.30	2.0	0.095	µg/L	2	J	SW-846 6020A	12/5/12	12/5/12 14:43	KSH
Mercury	ND	0.10	0.047	µg/L	1		SW-846 7470A	12/5/12	12/5/12 12:29	SAJ
Selenium	ND	10	1.1	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:43	KSH
Silver	ND	1.0	0.33	µg/L	2		SW-846 6020A	12/5/12	12/5/12 14:43	KSH

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12L0057-01 [MW-3]	B064036	50.0	50.0	12/05/12
12L0057-02 [MW-2]	B064036	50.0	50.0	12/05/12
12L0057-03 [MW-1]	B064036	50.0	50.0	12/05/12
12L0057-04 [MW-4]	B064036	50.0	50.0	12/05/12
12L0057-05 [MW-5]	B064036	50.0	50.0	12/05/12
12L0057-06 [US]	B064036	50.0	50.0	12/05/12
12L0057-07 [DS]	B064036	50.0	50.0	12/05/12

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12L0057-01 [MW-3]	B064032	6.00	6.00	12/05/12
12L0057-02 [MW-2]	B064032	6.00	6.00	12/05/12
12L0057-03 [MW-1]	B064032	6.00	6.00	12/05/12
12L0057-04 [MW-4]	B064032	6.00	6.00	12/05/12
12L0057-05 [MW-5]	B064032	6.00	6.00	12/05/12
12L0057-06 [US]	B064032	6.00	6.00	12/05/12
12L0057-07 [DS]	B064032	6.00	6.00	12/05/12

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12L0057-01 [MW-3]	B064067	0.25	5.00	12/05/12
12L0057-02 [MW-2]	B064067	5	5.00	12/05/12
12L0057-03 [MW-1]	B064067	5	5.00	12/05/12
12L0057-04 [MW-4]	B064067	5	5.00	12/05/12
12L0057-05 [MW-5]	B064067	5	5.00	12/05/12
12L0057-06 [US]	B064067	5	5.00	12/05/12
12L0057-07 [DS]	B064067	5	5.00	12/05/12

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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 B064067 - SW-846 5030B										
Blank (B064067-BLK1)				Prepared & Analyzed: 12/05/12						
Acetone	2.0	50	µg/L							J
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							R-05
2-Butanone (MEK)	ND	20	µg/L							R-05
Carbon Disulfide	0.21	2.0	µg/L							J
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							R-05
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							R-05
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							R-05
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	*25.8*		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8	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 B064067 - SW-846 5030B												
LCS (B064067-BS1)				Prepared & Analyzed: 12/05/12								
Acetone	166	50	µg/L	100		**166**	*	70-160			L-07, V-20	†
Acrylonitrile	12.8	5.0	µg/L	10.0		128		70-130				
Benzene	11.6	1.0	µg/L	10.0		116		70-130				
Bromochloromethane	10.1	1.0	µg/L	10.0		101		70-130				
Bromodichloromethane	9.42	0.50	µg/L	10.0		94.2		70-130				
Bromoform	8.11	1.0	µg/L	10.0		81.1		70-130				
Bromomethane	9.19	2.0	µg/L	10.0		91.9		40-160			R-05, V-20	†
2-Butanone (MEK)	140	20	µg/L	100		140		40-160			V-20, R-05	†
Carbon Disulfide	11.3	2.0	µg/L	10.0		113		70-130				
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104		70-130				
Chlorobenzene	10.0	1.0	µg/L	10.0		100		70-130				
Chlorodibromomethane	9.26	0.50	µg/L	10.0		92.6		70-130				
Chloroethane	11.9	2.0	µg/L	10.0		119		70-130				
Chloroform	11.7	2.0	µg/L	10.0		117		70-130				
Chloromethane	5.34	2.0	µg/L	10.0		53.4		40-160				†
1,2-Dibromo-3-chloropropane (DBCP)	8.66	5.0	µg/L	10.0		86.6		70-130			R-05	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110		70-130				
Dibromomethane	10.8	1.0	µg/L	10.0		108		70-130				
1,2-Dichlorobenzene	9.03	1.0	µg/L	10.0		90.3		70-130				
1,4-Dichlorobenzene	9.90	1.0	µg/L	10.0		99.0		70-130				
trans-1,4-Dichloro-2-butene	7.44	2.0	µg/L	10.0		74.4		70-130			R-05	
1,1-Dichloroethane	11.5	1.0	µg/L	10.0		115		70-130				
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103		70-130				
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107		70-130				
trans-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
1,2-Dichloropropane	9.80	1.0	µg/L	10.0		98.0		70-130				
cis-1,3-Dichloropropene	8.84	0.50	µg/L	10.0		88.4		70-130				
trans-1,3-Dichloropropene	8.48	0.50	µg/L	10.0		84.8		70-130				
Ethylbenzene	11.0	1.0	µg/L	10.0		110		70-130				
2-Hexanone (MBK)	103	10	µg/L	100		103		70-160			R-05	†
Iodomethane	19.2	10	µg/L	10.0		**192**	*	70-130			L-02	
Methylene Chloride	11.2	5.0	µg/L	10.0		112		70-130				
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106		70-160				†
Styrene	9.26	1.0	µg/L	10.0		92.6		70-130				
1,1,1,2-Tetrachloroethane	8.64	1.0	µg/L	10.0		86.4		70-130				
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105		70-130				
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110		70-130				
Toluene	11.6	1.0	µg/L	10.0		116		70-130				
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110		70-130				
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102		70-130				
Trichloroethylene	10.8	1.0	µg/L	10.0		108		70-130				
Trichlorofluoromethane (Freon 11)	13.4	2.0	µg/L	10.0		**134**	*	70-130			L-02, V-20	
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0		102		70-130				
Vinyl Acetate	103	20	µg/L	100		103		70-130				
Vinyl Chloride	8.72	2.0	µg/L	10.0		87.2		40-160				†
m+p Xylene	21.7	2.0	µg/L	20.0		108		70-130				
o-Xylene	10.7	1.0	µg/L	10.0		107		70-130				
Surrogate: 1,2-Dichloroethane-d4	*26.1*		µg/L	25.0		104		70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		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 B064067 - SW-846 5030B													
LCS Dup (B064067-BSD1)				Prepared & Analyzed: 12/05/12									
Acetone	133	50	µg/L	100		133		70-160	21.6		25	V-20	†
Acrylonitrile	11.0	5.0	µg/L	10.0		110		70-130	14.7		25		
Benzene	12.1	1.0	µg/L	10.0		121		70-130	3.88		25		
Bromochloromethane	10.6	1.0	µg/L	10.0		106		70-130	4.93		25		
Bromodichloromethane	9.43	0.50	µg/L	10.0		94.3		70-130	0.106		25		
Bromoform	7.38	1.0	µg/L	10.0		73.8		70-130	9.43		25		
Bromomethane	12.6	2.0	µg/L	10.0		126		40-160	**31.5**	*	25	R-05, V-20	†
2-Butanone (MEK)	104	20	µg/L	100		104		40-160	**29.7**	*	25	R-05, V-20	†
Carbon Disulfide	11.1	2.0	µg/L	10.0		111		70-130	1.61		25		
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108		70-130	3.49		25		
Chlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	0.299		25		
Chlorodibromomethane	8.68	0.50	µg/L	10.0		86.8		70-130	6.47		25		
Chloroethane	12.4	2.0	µg/L	10.0		124		70-130	3.71		25		
Chloroform	12.1	2.0	µg/L	10.0		121		70-130	3.28		25		
Chloromethane	6.27	2.0	µg/L	10.0		62.7		40-160	16.0		25		†
1,2-Dibromo-3-chloropropane (DBCP)	6.63	5.0	µg/L	10.0		**66.3**	*	70-130	**26.6**	*	25	L-07A, R-05	
1,2-Dibromoethane (EDB)	9.87	0.50	µg/L	10.0		98.7		70-130	10.7		25		
Dibromomethane	10.5	1.0	µg/L	10.0		105		70-130	3.09		25		
1,2-Dichlorobenzene	9.16	1.0	µg/L	10.0		91.6		70-130	1.43		25		
1,4-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8		70-130	0.805		25		
trans-1,4-Dichloro-2-butene	5.73	2.0	µg/L	10.0		**57.3**	*	70-130	**26.0**	*	25	L-07A, R-05	
1,1-Dichloroethane	11.6	1.0	µg/L	10.0		116		70-130	0.778		25		
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100		70-130	2.95		25		
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112		70-130	0.537		25		
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107		70-130	0.561		25		
trans-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111		70-130	0.808		25		
1,2-Dichloropropane	9.41	1.0	µg/L	10.0		94.1		70-130	4.06		25		
cis-1,3-Dichloropropene	8.65	0.50	µg/L	10.0		86.5		70-130	2.17		25		
trans-1,3-Dichloropropene	8.15	0.50	µg/L	10.0		81.5		70-130	3.97		25		
Ethylbenzene	10.9	1.0	µg/L	10.0		109		70-130	1.37		25		
2-Hexanone (MBK)	78.0	10	µg/L	100		78.0		70-160	**27.9**	*	25	R-05	†
Iodomethane	18.1	10	µg/L	10.0		**181**	*	70-130	5.57		25	L-02	
Methylene Chloride	11.5	5.0	µg/L	10.0		115		70-130	2.91		25		
4-Methyl-2-pentanone (MIBK)	82.7	10	µg/L	100		82.7		70-160	24.9		25		†
Styrene	9.46	1.0	µg/L	10.0		94.6		70-130	2.14		25		
1,1,1,2-Tetrachloroethane	8.24	1.0	µg/L	10.0		82.4		70-130	4.74		25		
1,1,2,2-Tetrachloroethane	8.71	0.50	µg/L	10.0		87.1		70-130	18.3		25		
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110		70-130	0.637		25		
Toluene	11.6	1.0	µg/L	10.0		116		70-130	0.344		25		
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112		70-130	1.71		25		
1,1,2-Trichloroethane	9.64	1.0	µg/L	10.0		96.4		70-130	5.15		25		
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130	4.72		25		
Trichlorofluoromethane (Freon 11)	13.6	2.0	µg/L	10.0		**136**	*	70-130	2.08		25	L-02, V-20	
1,2,3-Trichloropropane	8.64	2.0	µg/L	10.0		86.4		70-130	16.9		25		
Vinyl Acetate	89.0	20	µg/L	100		89.0		70-130	14.4		25		
Vinyl Chloride	9.89	2.0	µg/L	10.0		98.9		40-160	12.6		25		†
m+p Xylene	21.7	2.0	µg/L	20.0		108		70-130	0.0922		25		
o-Xylene	10.6	1.0	µg/L	10.0		106		70-130	0.842		25		
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.4		70-130					
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130					
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.6		70-130					

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B064032 - SW-846 7470A Prep										
Blank (B064032-BLK1)				Prepared & Analyzed: 12/05/12						
Mercury	ND	0.10	µg/L							
LCS (B064032-BS1)				Prepared & Analyzed: 12/05/12						
Mercury	2.02	0.10	µg/L	2.00		101	80-120			
LCS Dup (B064032-BSD1)				Prepared & Analyzed: 12/05/12						
Mercury	2.05	0.10	µg/L	2.00		103	80-120	1.50	20	
Batch B064036 - SM 3030C										
Blank (B064036-BLK1)				Prepared & Analyzed: 12/05/12						
Arsenic	1.6	2.0	µg/L							J
Barium	ND	20	µg/L							
Cadmium	ND	1.0	µg/L							
Chromium	11	20	µg/L							J
Lead	ND	2.0	µg/L							
Selenium	ND	10	µg/L							
Silver	ND	1.0	µg/L							
LCS (B064036-BS1)				Prepared & Analyzed: 12/05/12						
Arsenic	488	10	µg/L	500		97.6	80-120			
Barium	482	100	µg/L	500		96.4	80-120			
Cadmium	495	5.0	µg/L	500		98.9	80-120			
Chromium	546	100	µg/L	500		109	80-120			
Lead	498	10	µg/L	500		99.5	80-120			
Selenium	512	50	µg/L	500		102	80-120			
Silver	506	5.0	µg/L	500		101	80-120			
LCS Dup (B064036-BSD1)				Prepared & Analyzed: 12/05/12						
Arsenic	524	10	µg/L	500		105	80-120	7.19	20	
Barium	511	100	µg/L	500		102	80-120	5.95	20	
Cadmium	533	5.0	µg/L	500		107	80-120	7.41	20	
Chromium	582	100	µg/L	500		116	80-120	6.40	20	
Lead	529	10	µg/L	500		106	80-120	6.21	20	
Selenium	550	50	µg/L	500		110	80-120	7.08	20	
Silver	541	5.0	µg/L	500		108	80-120	6.75	20	

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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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Elevated reporting limit due to large amount of sediment in sample.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6020A in Water	
Arsenic	CT,NH,NY,RI,NC,ME,VA
Barium	CT,NH,NY,RI,NC,ME,VA
Cadmium	CT,NH,NY,RI,NC,ME,VA
Chromium	CT,NH,NY,RI,NC,ME,VA
Lead	CT,NH,NY,RI,NC,ME,VA
Selenium	CT,NH,NY,RI,NC,ME,VA
Silver	CT,NH,NY,RI,NC,ME,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,RI,NC,ME,VA
SW-846 8260B in Water	
Acetone	CT,NH,NY,NC,ME
Acrylonitrile	CT,NY,NC,ME,RI
Benzene	CT,NH,NY,NC,ME,RI
Bromochloromethane	NH,NY,NC,ME
Bromodichloromethane	CT,NH,NY,NC,ME,RI
Bromoform	CT,NH,NY,NC,ME,RI
Bromomethane	CT,NH,NY,NC,ME,RI
2-Butanone (MEK)	CT,NH,NY,NC,ME
Carbon Disulfide	CT,NH,NY,NC,ME
Carbon Tetrachloride	CT,NH,NY,NC,ME,RI
Chlorobenzene	CT,NH,NY,NC,ME,RI
Chlorodibromomethane	CT,NH,NY,NC,ME,RI
Chloroethane	CT,NH,NY,NC,ME,RI
Chloroform	CT,NH,NY,NC,ME,RI
Chloromethane	CT,NH,NY,NC,ME,RI
1,2-Dibromo-3-chloropropane (DBCP)	NC
1,2-Dibromoethane (EDB)	NC
Dibromomethane	NH,NY,NC,ME
1,2-Dichlorobenzene	CT,NY,NC,ME,RI
1,4-Dichlorobenzene	CT,NH,NY,NC,ME,RI
trans-1,4-Dichloro-2-butene	NH,NY,NC,ME
1,1-Dichloroethane	CT,NH,NY,NC,ME,RI
1,2-Dichloroethane	CT,NH,NY,NC,ME,RI
1,1-Dichloroethylene	CT,NH,NY,NC,ME,RI
cis-1,2-Dichloroethylene	NY,NC,ME
trans-1,2-Dichloroethylene	CT,NH,NY,NC,ME,RI
1,2-Dichloropropane	CT,NH,NY,NC,ME,RI
cis-1,3-Dichloropropene	CT,NH,NY,NC,ME,RI
trans-1,3-Dichloropropene	CT,NH,NY,NC,ME,RI
Ethylbenzene	CT,NH,NY,NC,ME,RI
2-Hexanone (MBK)	CT,NH,NY,NC,ME
Iodomethane	NC
Methylene Chloride	CT,NH,NY,NC,ME,RI
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,RI
Tetrachloroethylene	CT,NH,NY,NC,ME,RI
Toluene	CT,NH,NY,NC,ME,RI
1,1,1-Trichloroethane	CT,NH,NY,NC,ME,RI
1,1,2-Trichloroethane	CT,NH,NY,NC,ME,RI
Trichloroethylene	CT,NH,NY,NC,ME,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC,ME,RI
1,2,3-Trichloropropane	NH,NY,NC,ME
Vinyl Acetate	NH,NY,NC,ME
Vinyl Chloride	CT,NH,NY,NC,ME,RI
m+p Xylene	CT,NH,NY,NC,ME,RI
o-Xylene	CT,NH,NY,NC,ME,RI

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

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

CHAIN OF CUSTODY RECORD

12L0057

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39 Spruce Street
East longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	8260	Total RCRA	# of Containers	** Preservation	***Container Code
-01	MW-3	11/29/12	10:15		X		GW	X	X			
-02	MW-2	↓	10:40		X		↓	X	X			
-03	MW-1		11:10		X			X	X			
-04	MW-4		12:20		X			X	X			
-05	MW-5		12:40		X			X	X			
-06	US		11:00		X			X	X			
-07	DS	↓	12:00		X		↓	X	X			

Comments:

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

Dissolved Metal
O Field Filtered
O Lab to Filter

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

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

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

Relinquished by: (signature)	Date/Time: 11/30/12 2:38	
Received by: (signature)	Date/Time: 11/30/12 2:38	
Relinquished by: (signature)	Date/Time: 12/3/12 8:20PM	
Received by: (signature) 4.1°C	Date/Time: 12/4/12 09:41	

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: NC

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

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

FedEx.

801106341328

Ship (P/U) date :
Mon 12/03/2012 8:56 pm
CHA US

Delivered
Signed for by: A.PIENKOWSKI

Actual delivery :
Tues 12/04/2012 9:41 am
US

Travel History

Date/Time	Activity	Location
- 12/04/2012 - Tuesday		
9:41 am	Delivered	
7:18 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:13 am	At local FedEx facility	WINDSOR LOCKS, CT
6:32 am	At destination sort facility	EAST GRANBY, CT
4:53 am	Departed FedEx location	INDIANAPOLIS, IN
12:06 am	Arrived at FedEx location	INDIANAPOLIS, IN
- 12/03/2012 - Monday		
9:49 pm	Left FedEx origin facility	CHARLOTTE, NC
8:56 pm	Picked up	CHARLOTTE, NC

Local Scan Time

Shipment Facts

Tracking number	801106341328	**Service**	FedEx Priority Overnight
Weight	59 lbs	**Dimensions**	24x14x14 in.
Delivered To	Shipping/Receiving	**Total pieces**	1
Total shipment weight	59 lbs / 26.8 kgs	**Shipper reference**	80
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

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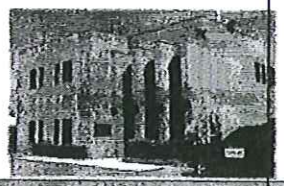

Sample Receipt Checklist

CLIENT NAME: E2S **RECEIVED BY:** AP **DATE:** 12/4/12

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 4.1°C
5) **Are there Dissolved samples for the lab to filter?** (Yes) No Rec'd past filter hold. AP 12/4
   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) AP 12/4 <2.0
9) **Do all samples have the proper Base pH:** Yes No (N/A)
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic	7	Plastic Bag / Ziploc	
40 mL Vial - type listed below	14	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

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

Time and Date Frozen: