



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

Charles D. Baker
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November 27, 2018

Ms. Lisa C. Foley
20 Talbot Drive
Norton, MA, 02766

RE: **NORTON**
Release Tracking Number **4-0025855**
Former Reed & Barton Facility
20 Talbot Drive
ANALYTICAL RESULTS

Dear Ms. Foley:

The Massachusetts Department of Environmental Protection, Bureau of Waste Site Cleanup (MassDEP) is tasked with ensuring the cleanup of oil and hazardous material (OHM) releases pursuant to the Massachusetts Oil and Hazardous Material Release Prevention and Response Act (M.G.L. c. 21E). The law is implemented through regulations known as the Massachusetts Contingency Plan (310 CMR 40.0000 et seq. – the MCP). Both M.G.L. c. 21E and the MCP require the performance of response actions to provide for the protection of harm to health, safety, public welfare and the environment which may result from releases and/or threats of releases of OHM at disposal sites.

MassDEP is currently performing response actions pertaining to a release of chlorinated volatile organic compounds (CVOCs) and metals from the property located at 47 Elm Street, Norton, Massachusetts (the Site). The Site is the location of the former Reed & Barton facility. Previous assessments performed by MassDEP at the Site have identified CVOCs and metals in the groundwater in the immediate vicinity of the Site. In an e-mail to the U.S. Environmental Protection Agency (EPA) dated September 22, 2018, you indicated concern for the water quality of the drinking water well servicing your residence at 20 Talbot Drive due to the well's proximity to the Site.

On October 31, 2018, MassDEP's environmental contractor, Dan Batchelder with Environmental Strategies & Management, Inc., obtained a water sample from the kitchen faucet at your residence for CVOCs and metals analyses. CVOCs or metals were not detected in the water sample collected from your well. The laboratory results from the analysis of the water sample obtained from 20 Talbot Drive are enclosed. A complete copy of the laboratory data package is available by contacting MassDEP's Southeast Regional Office in Lakeville, Massachusetts. If you have any questions regarding the enclosed analytical results, please contact Elliott Jacobs at the letterhead address or by calling (508) 946-2786.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

Sincerely,

A handwritten signature in black ink, appearing to read "Gerard M.R. Martin", written over the printed name.

Gerard M.R. Martin
Deputy Regional Director
Bureau of Waste Site Cleanup

M/EJ

Enclosures: Analytical Data

Ec: Town of Norton
Michael Yunits, Town Administrator
Norton Board of Health

EPA
Karen Way

DEP-SERO
Elliott Jacobs

Laboratory Report

Absolute Resource *associates*

124 Heritage Avenue Portsmouth NH 03801

Dan Batchelder
Environmental Strategies & Mgmt
273 West Main Street
Norton, MA 02766

PO Number: 18-374

Job ID: 46567

Date Received: 11/2/18



Project: SARSS Reed & Barton 8018-04

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

Jennifer Lowe
Laboratory Manager

Date of Approval: 11/16/2018

Total number of pages: 20

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
20 Talbot Dr.	Water	10/31/2018 11:40	46567-001	Antimony in water by 200.8 Arsenic in water by 200.8 Barium in water by 200.8 Beryllium in water by 200.8 Cadmium in water by 200.8 Chromium in water by 200.8 Combo: 14 MA MCP Metals Drinking Water VOCs by 524.2 Lead in water by 200.8 Mercury in water by 245.1 Nickel in water by 200.8 Selenium in water by 200.8 Silver in water by 200.8 Thallium in water by 200.8 Turbidity Check for Direct Metals Analysis Vanadium in water by 200.8 Water Digestion for ICPMS Analysis Zinc in water by 200.8
Trip Blank	Water	10/31/2018 0:00	46567-003	Drinking Water VOCs by 524.2

Project ID: SARSS Reed & Barton 8018-04

Job ID: 46567

Sample#: 46567-001

Sample ID: 20 Talbot Dr.

Matrix: Water

Sampled: 10/31/18 11:40

Parameter	Reporting		Units	Instr Dil'n		Analyst	Prep Date	Analysis			Reference
	Result	Limit		Factor				Batch	Date	Time	
dichlorodifluoromethane	< 0.50 J	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
chloromethane	< 1.0	1.0	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
vinyl chloride	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
bromomethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
chloroethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
trichlorofluoromethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,1-dichloroethene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
methylene chloride	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
carbon disulfide	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
methyl t-butyl ether (MTBE)	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
trans-1,2-dichloroethene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,1-dichloroethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
2,2-dichloropropane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
cis-1,2-dichloroethene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
chloroform	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
bromochloromethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,1,1-trichloroethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,1-dichloropropene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
carbon tetrachloride	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,2-dichloroethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
benzene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
trichloroethene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,2-dichloropropane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
bromodichloromethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
dibromomethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
cis-1,3-dichloropropene	< 0.40	0.40	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
toluene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
trans-1,3-dichloropropene	< 0.40	0.40	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,1,2-trichloroethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,3-dichloropropane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
tetrachloroethene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
dibromochloromethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,2-dibromoethane (EDB)	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
chlorobenzene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,1,1,2-tetrachloroethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
ethylbenzene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
m&p-xylenes	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
o-xylene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
styrene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
bromoform	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
isopropylbenzene	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,1,2,2-tetrachloroethane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2
1,2,3-trichloropropane	< 0.50	0.50	ug/L	1		LMM		1803250	11/12/18	14:06	E524.2

Project ID: SARSS Reed & Barton 8018-04

Job ID: 46567

Sample#: 46567-001

Sample ID: 20 Talbot Dr.

Matrix: Water

Sampled: 10/31/18 11:40

Sampled: 10/31/18 11:40		Reporting	Instr Dil'n		Prep	Analysis				
Parameter	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	Reference
n-propylbenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
bromobenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,3,5-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
2-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
4-chlorotoluene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
tert-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,2,4-trimethylbenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
sec-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,3-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
4-isopropyltoluene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,4-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,2-dichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
n-butylbenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,2-dibromo-3-chloropropane (DBCP)	< 0.20	0.20	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,2,4-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
hexachlorobutadiene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
naphthalene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
1,2,3-trichlorobenzene	< 0.50	0.50	ug/L	1	LMM		1803250	11/12/18	14:06	E524.2
Surrogate Recovery		Limits								
4-bromofluorobenzene SUR	102	70-130	%	1	LMM		1803250	11/12/18	14:06	E524.2
1,4-dichlorobenzene-D4 SUR	95	70-130	%	1	LMM		1803250	11/12/18	14:06	E524.2

J = The percent recovery for the LCS/D was below the acceptance criteria. The reported result is an estimate.

Project ID: SARSS Reed & Barton 8018-04

Job ID: 46567

Sample#: 46567-001

Sample ID: 20 Talbot Dr.

Matrix: Water

Sampled: 10/31/18 11:40

Parameter	Reporting		Units	Instr Dil'n Factor	Prep		Analysis			Reference
	Result	Limit			Analyst	Date	Batch	Date	Time	
Antimony	< 0.001	0.001	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Arsenic	< 0.005	0.005	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Barium	< 0.01	0.01	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Beryllium	< 0.001	0.001	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Cadmium	< 0.001	0.001	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Chromium	< 0.01	0.01	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Lead	< 0.005	0.005	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Mercury	< 0.0002	0.0002	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Nickel	< 0.01	0.01	mg/L	1	AGN	11/8/18	11190	11/8/18	14:52	E245.1
Selenium	< 0.01	0.01	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Silver	< 0.005	0.005	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Thallium	< 0.001	0.001	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Vanadium	< 0.01	0.01	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8
Zinc	< 0.01	0.01	mg/L	1	AGN	11/7/18	11184	11/9/18	1:24	E200.8

ES&M QAQC Review Log

Lab	Project Number	Sample Date	Matrix	CAM Form Included?	Lab Presumptive Certainty?	QC Performance Standards Met?	Reporting Limits Achieved?	All Analytes Reported?	Data Usability Status
Absolute Resource Associates	46567	10/31/2018	Water	No	NA	NA	NA	NA	Usable

Sample ID	Date	Lab ID	Matrix	Analysis
20 Talbot Dr.	10/31/18	46567-1	Water	Metals, VOCs
Trip Blank	10/31/18	46567-2	Water	VOCs

VOC: The LCS/D1803250 did not meet the acceptance criteria for dichlorodifluoromethane. The reported results are estimates and have been qualified accordingly.

All surrogate, trip blank, method blank, lab duplicate, Laboratory Control Sample (LCS), LCS duplicate and matrix spike results were reviewed. This report was deemed usable by Angela Boyd on 11/20/18.

Drinking water methodology used. CAM is not applicable.

