

**WATER QUALITY REPORT  
BADGER HILL, MILFORD, NH  
EPA # 1562030**

**VOLATILE ORGANIC CONTAMINANTS (b) (Units µg/L)**

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	12/2/10	cis-1, 2-Dichloroethylene	< 0.5	70	12/2/10
1,1,1-Trichloroethane	< 0.5	200	12/2/10	cis-1, 3-Dichloropropylene	< 0.5	NR	12/2/10
1,1,2,2-Tetrachloroethane	< 0.5	NR	12/2/10	Dibromochloromethane	1	80	12/2/10
1,1,2-Trichloroethane	< 0.5	5	12/2/10	Dibromomethane	< 0.5	NR	12/2/10
1,1-Dichloroethane	< 0.5	NR	12/2/10	Dichlorodifluoromethane	< 0.5	NR	12/2/10
1,1-Dichloroethane	< 0.5	7	12/2/10	Diethyl ether	< 0.5	NR	12/2/10
1,1-Dichloropropylene	< 0.5	NR	12/2/10	Diisopropyl Ether (DIPE)	< 0.5	NR	12/2/10
1,2,3-Trichlorobenzene	< 0.5	NR	12/2/10	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	12/2/10
1,2,3-Trichloropropane	< 0.5	NR	12/2/10	Ethylbenzene	< 0.5	700	12/2/10
1,2,4-Trichlorobenzene	< 0.5	70	12/2/10	Hexachlorobutadiene	< 0.5	NR	12/2/10
1,2,4-Trimethylbenzene	< 0.5	NR	12/2/10	Isopropylbenzene	< 0.5	NR	12/2/10
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	12/2/10	m/p - Xylenes	< 0.5	NR	12/2/10
1,2-Dibromoethane	< 0.5	NR	12/2/10	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	12/2/10
1,2-Dichlorobenzene	< 0.5	600	12/2/10	Methylene chloride	< 0.5	5	12/2/10
1,2-Dichloroethane	< 0.5	5	12/2/10	Methyl-t-butyl-ether (MtBE)	< 0.5	13	12/2/10
1,2-Dichloropropane	< 0.5	5	12/2/10	Napthalene	< 0.5	NR	12/2/10
1,3,5-Trimethylbenzene	< 0.5	NR	12/2/10	n-Butylbenzene	< 0.5	NR	12/2/10
1,3-Dichlorobenzene	< 0.5	NR	12/2/10	Nitrobenzene	<10	NR	12/2/10
1,3-Dichloropropane	< 0.5	NR	12/2/10	n-Propylbenzene	< 0.5	NR	12/2/10
1,4-Dichlorobenzene	< 0.5	75	12/2/10	o-Xylene	< 0.5	NR	12/2/10
2,2-Dichloropropane	< 0.5	NR	12/2/10	sec Butylbenzene	< 0.5	NR	12/2/10
2-Chlorotoluene	<0.5	0.5	12/2/10	Styrene	< 0.5	100	12/2/10
2-Hexanone	<10	NR	12/2/10	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	12/2/10
4 Methyl-2-Pentanone (MIBK)	<10	NR	12/2/10	Tert-Butyl Alcohol (TBA)	<10	NR	12/2/10
4-Chlorotoluene	<0.5	0.5	12/2/10	Tert-Butylbenzene	< 0.5	NR	12/2/10
4-Isopropyltoluene	< 0.5	NR	12/2/10	Tetrachloroethylene	< 0.5	5	12/2/10
Acetone	<10	NR	12/2/10	Tetrachloromethane	< 0.5	NR	12/2/10
Benzene	< 0.5	5	12/2/10	Tetrahydrofuran	<10	NR	12/2/10
Bromobenzene	< 0.5	NR	12/2/10	Toluene	< 0.5	1000	12/2/10
Bromochloromethane	< 0.5	NR	12/2/10	Total Trihalomethanes	2.6	80	12/2/10
Bromodichloromethane	1	80	12/2/10	Total Xylenes	< 0.5	10,000	12/2/10
Bromoform	<0.5	80	12/2/10	Trans-1, 2-Dichloroethylene	< 0.5	100	12/2/10
Bromomethane	< 0.5	NR	12/2/10	Trans-1, 3-Dichloropropylene	< 0.5	NR	12/2/10
Carbon Disulfide	< 0.5	NR	12/2/10	Trichloroethylene	< 0.5	5	12/2/10
Chlorobenzene	< 0.5	100	12/2/10	Trichlorofluoromethane	< 0.5	NR	12/2/10
Chloroethane	< 0.5	NR	12/2/10	Vinyl chloride	< 0.5	2	12/2/10
Chloroform	0.6	80	12/2/10				
Chloromethane	< 0.5	NR	12/2/10				
				<b>DISINFECTION BY-PRODUCTS (a)</b>			
				Total Trihalomethanes	2.7	80	8/6/10
				Haloacetic Acids	<1	60	8/6/10

**SYNTHETIC ORGANIC CONTAMINANTS (b) (Units µg/L)**

	Results	MCL	Date		Results	MCL	Date
1, 2-Dibromo-3-chloropropane (DBCP)	< 0.02	0.2	11/6/07	Endrin	< 0.1	2	11/6/07
2,4,5-TP (Silvex)	< 0.25	50	11/6/07	Ethylene dibromide (EDB)	< 0.02	0.05	11/6/07
2,4-D	< 1	70	11/6/07	Glyphosate	< 10	700	11/6/07
3-Hydroxycarbofuran	< 1	NR	11/6/07	Heptachlor	< 0.1	0.4	11/6/07
Alachlor	< 0.1	2	11/6/07	Heptachlor Epoxide	< 0.1	0.2	11/6/07
Aldicarb	< 1	NR	11/6/07	Hexachlorobenzene	< 0.1	1	11/6/07
Aldicarb Sulfone	< 1	NR	11/6/07	Hexachlorocyclopentadiene	< 0.1	50	11/6/07
Aldicarb Sulfoxide	< 1	NR	11/6/07	Lindane	< 0.1	0.2	11/6/07
Aldrin	< 0.1	NR	11/6/07	Methiocarb	< 1	7	11/6/07
Atrazine	< 0.1	3	11/6/07	Metolachlor	< 0.1	40	11/6/07
Benzo(a)pyrene	< 0.1	0.2	11/6/07	Methomyl	< 1	NR	11/6/07
Butachlor	< 0.1	NR	11/6/07	Methoxychlor	< 0.1	40	11/6/07
Carbaryl	< 1	NR	11/6/07	Metribuzin	< 0.1	NR	11/6/07
Carbofuran	< 1	40	11/6/07	Oxamyl (Vydate)	< 1	200	11/6/07
Chlordane	< 0.4	2	11/6/07	Pentachlorophenol	< 0.1	1	11/6/07
Di (2-ethylhexyl) adipate	< 1	400	11/6/07	Picloram	< 0.5	500	11/6/07
Di (2-Ethylhexyl) phthalate	< 1	6	11/6/07	Propachlor	< 0.1	NR	11/6/07
Dicamba	< 0.5	NR	11/6/07	Propoxur (Baygon)	< 1	NR	11/6/07
Dieldrin	< 0.1	NR	11/6/07	Simazine	< 0.1	4	11/6/07
Dinoseb	< 1	7	11/6/07	Toxaphene	< 2	3	11/6/07

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**INORGANIC CONTAMINANTS (b)**

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	12/4/08
Arsenic (µg/L)	< 2	10	12/4/08
Barium (mg/L)	0.094	2	12/4/08
Beryllium (µg/L)	< 2	4	12/4/08
Cadmium (µg/L)	< 2	5	12/4/08
Chromium (µg/L)	< 10	100	12/4/08
Cyanide (µg/L)	< 20	200	12/4/08
Fluoride (mg/L)	0.21	4	12/4/08
Mercury (µg/L)	<0.1	2	12/4/08
Nickel (µg/L)	< 10	100	12/4/08
Nitrate-N (mg/L)	< 0.2	10	12/2/10
Nitrite-N (mg/L)	< 0.05	1	12/4/08
Selenium (µg/L)	< 5	50	12/4/08
Thallium (µg/L)	< 1	2	12/4/08

**FIRST DRAW LEAD AND COPPER (a)**

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 5	15	2010
Copper (mg/L) 90th percentile sample	0.566	1.3	2010

**Microbiological Contaminants (a)**

Results	MCL
Total Coliform	≤1/month
E. coli	Absent
Average Chlorine Residual (mg/L)	0.44

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

Analyte	Results	SMCL	Date
Chloride (mg/L)	15	250	12/4/08
Fluoride (mg/L)	0.21	2	12/4/08
Iron (mg/L)	0.124	0.3	12/4/08
Manganese (mg/L)	<0.01	0.05	12/4/08
pH (Standard Units)	7.16	6.5 – 8.5	12/4/08
Silver (µg/L)	< 4	100	12/4/08
Sodium (mg/L)	8.9	100-250	12/4/08
Sulfate (mg/L)	22.2	250	12/4/08
Zinc (mg/L)	0.024	5	12/4/08

**RADIOLOGICAL CONTAMINANTS (b)**

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	4.6	15	10/18/05
Radon Gas (pCi/L)	398	None	4/28/10
Radium-226 (pCi/L)	1.1	5	10/18/05
Radium-228 (pCi/L)	0.8	5	10/18/05
Uranium (µg/L)	4.3	30	10/18/05

**UNREGULATED CONTAMINANTS (b)**

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	73	12/4/08
Calcium (mg/L)	27.3	12/4/08
Copper (mg/L)	< 0.01	12/4/08
Hardness, Total as CaCO <sub>3</sub> (mg/L)	108	6/4/10
Hydrogen Sulfide (mg/L)	<0.02	12/4/08
Lead (µg/L)	< 5	12/4/08
Magnesium (mg/L)	6.5	12/4/08
Specific Conductance (µmhos/cm <sup>2</sup> )	253	12/4/08
Sulfide (mg/L)	<0.2	12/4/08

**SOURCE WATER AND TREATMENT INFORMATION**

**Water Source:** Two bedrock wells.

**Treatment:** Chlorination for disinfection and oxidation; filtration to remove iron and manganese.

**KEY TO ABBREVIATIONS**

**AL** Action Level - The concentration of a contaminant which, if exceeded triggers treatment of or other requirements which a water system must follow.

**MCL** Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water.

**SMCL** Secondary Maximum Contaminant Level - The highest level of a contaminant that affects the aesthetic characteristics ( taste, odor, or color) of drinking water.

**NR** Not Regulated - Contaminants test for but not regulated by the State or EPA.

**(a)** samples taken from the distribution system.

**(b)** samples taken from the distribution entry point.

**mg/L** milligrams per Liter or parts per million.

**µg/L** micrograms per Liter or parts per billion.

**pCi/L** picocuries per Liter (measure of radioactivity)

**N/A** Not Applicable    **nd** not detected    **BDL** Below Detection Level    **≤** Less Than or Equal To    **<** Less Than

**CONTACT INFORMATION**

If you have any questions about this report, or about your water quality, please call Gary Tetley, Water Quality Manager, at 1-603-913-2378 or 1-800-553-5191.

Additional information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline 1-800-426-4791.