

**WATER QUALITY REPORT
BEDFORD WATER CORP, BEDFORD, NH**

EPA # 0192010

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	1/23/18	Chloroform	< 0.5	80	1/23/18
1,1,1-Trichloroethane	< 0.5	200	1/23/18	Chloromethane	< 0.5	NR	1/23/18
1,1,2,2-Tetrachloroethane	< 0.5	NR	1/23/18	cis-1, 2-Dichloroethylene	< 0.5	70	1/23/18
1,1,2-Trichloroethane	< 0.5	5	1/23/18	cis-1, 3-Dichloropropylene	< 0.5	NR	1/23/18
1,1-Dichloroethane	< 0.5	NR	1/23/18	Dibromochloromethane	< 0.5	80	1/23/18
1,1-Dichloroethylene	< 0.5	7	1/23/18	Dibromomethane	< 0.5	NR	1/23/18
1,1-Dichloropropylene	< 0.5	NR	1/23/18	Dichlorodifluoromethane	< 0.5	NR	1/23/18
1,2,3-Trichlorobenzene	< 0.5	NR	1/23/18	Diethyl ether	< 0.5	NR	1/23/18
1,2,3-Trichloropropane	< 0.5	NR	1/23/18	Diisopropyl Ether (DIPE)	< 0.5	NR	1/23/18
1,2,4-Trichlorobenzene	< 0.5	70	1/23/18	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	1/23/18
1,2,4-Trimethylbenzene	< 0.5	NR	1/23/18	Ethylbenzene	< 0.5	700	1/23/18
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	1/23/18	Hexachlorobutadiene	< 0.5	NR	1/23/18
1,2-Dibromoethane	< 0.5	NR	1/23/18	Isopropylbenzene	< 0.5	NR	1/23/18
1,2-Dichlorobenzene	< 0.5	600	1/23/18	m/p - Xylenes	< 0.5	NR	1/23/18
1,2-Dichloroethane	< 0.5	5	1/23/18	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	1/23/18
1,2-Dichloropropane	< 0.5	5	1/23/18	Methylene chloride	< 0.5	5	1/23/18
1,3,5-Trimethylbenzene	< 0.5	NR	1/23/18	Methyl-t-butyl-ether (MtBE)	< 0.5	13	1/23/18
1,3-Dichlorobenzene	< 0.5	NR	1/23/18	Napthalene	< 0.5	NR	1/23/18
1,3-Dichloropropane	< 0.5	NR	1/23/18	n-Butylbenzene	< 0.5	NR	1/23/18
1,4-Dichlorobenzene	< 0.5	75	1/23/18	Nitrobenzene	<10	NR	1/23/18
2,2-Dichloropropane	< 0.5	NR	1/23/18	n-Propylbenzene	< 0.5	NR	1/23/18
2-Butanone (MEK)	<10	NR	1/23/18	o-Xylene	< 0.5	NR	1/23/18
2-Chlorotoluene	<0.5	0.5	1/23/18	sec Butylbenzene	< 0.5	NR	1/23/18
2-Hexanone	<10	NR	1/23/18	Styrene	< 0.5	100	1/23/18
4 Methyl-2-Pentanone (MIBK)	<10	NR	1/23/18	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	1/23/18
4-Chlorotoluene	<0.5	0.5	1/23/18	Tert-Butyl Alcohol (TBA)	<10	NR	1/23/18
4-Isopropyltoluene	< 0.5	NR	1/23/18	Tert-Butylbenzene	< 0.5	NR	1/23/18
Acetone	<10	NR	1/23/18	Tetrachloroethylene	< 0.5	5	1/23/18
Benzene	< 0.5	5	1/23/18	Tetrachloromethane	< 0.5	NR	1/23/18
Bromobenzene	< 0.5	NR	1/23/18	Tetrahydrofuran	<10	NR	1/23/18
Bromochloromethane	< 0.5	NR	1/23/18	Toluene	< 0.5	1000	1/23/18
Bromodichloromethane	< 0.5	80	1/23/18	Total Trihalomethanes	<0.5	80	1/23/18
Bromoform	<0.5	80	1/23/18	Total Xylenes	< 0.5	10,000	1/23/18
Bromomethane	< 0.5	NR	1/23/18	Trans-1, 2-Dichloroethylene	< 0.5	100	1/23/18
Carbon Disulfide	< 0.5	NR	1/23/18	Trans-1, 3-Dichloropropylene	< 0.5	NR	1/23/18
Carbon Tetrachloride	< 0.5	5	1/23/18	Trichloroethylene	< 0.5	5	1/23/18
Chlorobenzene	< 0.5	100	1/23/18	Trichlorofluoromethane	< 0.5	NR	1/23/18
Chloroethane	<0.5	NR	1/23/18	Vinyl chloride	< 0.5	2	1/23/18

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	1/22/15	Diquat		20	
2,4-D	< 1	70	1/22/15	Endrin	< 0.1	2	1/22/15
3-Hydroxycarbofuran	< 1	NR	1/22/15	Ethylene dibromide (EDB)	< 0.02	0.05	1/22/15
Alachlor	< 0.1	2	1/22/15	Glyphosate	< 10	700	1/22/15
Aldicarb	< 1	NR	1/22/15	Heptachlor	< 0.1	0.4	1/22/15
Aldicarb Sulfone	< 1	NR	1/22/15	Heptachlor Epoxide	< 0.1	0.2	1/22/15
Aldicarb Sulfoxide	< 1	NR	1/22/15	Hexachlorobenzene	< 0.1	1	1/22/15
Aldrin	< 0.1	NR	1/22/15	Hexachlorocyclopentadiene	< 0.1	50	1/22/15
Atrazine	< 0.1	3	1/22/15	Lindane	< 0.1	0.2	1/22/15
Benzo(a)pyrene	< 0.1	0.2	1/22/15	Methiocarb	< 1	7	1/22/15
Butachlor	< 0.1	NR	1/22/15	Methomyl	< 1	NR	1/22/15
Carbaryl	< 1	NR	1/22/15	Methoxychlor	< 0.1	40	1/22/15
Carbofuran	< 1	40	1/22/15	Metolachlor	< 0.1	40	1/22/15
Chlordane	< 0.4	2	1/22/15	Metribuzin	< 0.1	NR	1/22/15
Di (2-ethylhexyl) adipate	< 1	400	1/22/15	Oxamyl (Vydate)	< 1	200	1/22/15
Di (2-Ethylhexyl) phthalate	< 1	6	1/22/15	Pentachlorophenol	< 0.1	1	1/22/15
Dibromochloropropane (DBCP)	< 0.02	0.2	1/22/15	Picloram	< 0.5	500	1/22/15
Dicamba	< 0.5	NR	1/22/15	Propachlor	< 0.1	NR	1/22/15
Dieldrin	< 0.1	NR	1/22/15	Propoxur (Baygon)	< 1	NR	1/22/15
Dinoseb	< 1	7	1/22/15	Simazine	< 0.1	4	1/22/15
				Toxaphene	< 2	3	1/22/15

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.3	15	10/11/05
Radium 226 & 228 (pCi/L)	0.1	5	10/11/05
Uranium (µg/L)	4.7	30	1/22/15

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 1	15	2017
Copper (mg/L) 90th percentile sample	0.031	1.3	2017

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 1	6	1/17/17
Arsenic (µg/L)	< 1	10	1/17/17
Barium (mg/L)	0.0153	2	1/17/17
Beryllium (µg/L)	< 1	4	1/17/17
Cadmium (µg/L)	< 1	5	1/17/17
Chromium (µg/L)	1.5	100	1/17/17
Fluoride (mg/L)	< 0.2	4	1/17/17
Mercury (µg/L)	< 0.1	2	1/17/17
Nitrate-N (mg/L)	1.25	10	1/23/18
Nitrite-N (mg/L)	< 0.2	1	1/23/18
Selenium (µg/L)	< 5	50	1/17/17
Thallium (µg/L)	< 1	2	1/17/17

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	69	250	1/17/17
Fluoride (mg/L)	< 0.2	2	1/17/17
Iron (mg/L)	0.12	0.3	1/17/17
Manganese (mg/L)	0.0041	0.05	1/17/17
pH (Standard Units)	7.42	6.5 – 8.5	1/17/17
Sulfate (mg/L)	11	250	1/17/17
Zinc (mg/L)	0.809	5	1/17/17

Microbiological Contaminants (a)

Results	MCL	Frequency
Absent	Absent	Monthly
0.2 - 1.0		

DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes	<0.5	80	8/19/16
Haloacetic Acids	<1	60	8/19/16

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	51	1/17/17
Calcium (mg/L)	19.5	1/17/17
Copper (mg/L)	0.0068	1/17/17
Hardness, Total as CaCO ₃ (mg/L)	55.7	1/17/17
Magnesium (mg/L)	1.7	1/17/17
Nickel (µg/L)	<0.001	1/17/17
Radon Gas (pCi/L)	693	8/10/17
Sodium (mg/L)	47.1	1/17/17

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	< 1.93	NR	10/10/18
Perfluoroheptanoic acid (PFHpA) (ng/L)	< 1.93	NR	10/10/18
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	< 1.93	NR	10/10/18
Perfluorononanoic acid (PFNA) (ng/L)	< 1.93	NR	10/10/18
Perfluorooctane sulfonate (PFOS) (ng/L)	< 1.93	70*	10/10/18
Perfluorooctanoic acid (PFOA) (ng/L)	7.42		10/10/18

*PFOS + PFOA has a health standard of 70 ng/L

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Three bedrock wells

Treatment: Chlorination for disinfection; sodium hydroxide to increase the pH and reduce corrosion; polyphosphate to sequester iron and manganese and reduce corrosion.

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 – These standards are developed to protect the aesthetic qualities of drinking water and are not health based 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.

ng/L nanograms per Liter or parts per trillion.

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 Matthew Day, Lab Director, at 1-603-913-2377 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.