

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	2/18/09	cis-1, 2-Dichloroethylene	< 0.5	70	2/18/09
1,1,1-Trichloroethane	< 0.5	200	2/18/09	cis-1, 3-Dichloropropylene	< 0.5	NR	2/18/09
1,1,2,2-Tetrachloroethane	< 0.5	NR	2/18/09	Dibromochloromethane	0.8	80	2/18/09
1,1,2-Trichloroethane	< 0.5	5	2/18/09	Dibromomethane	< 0.5	NR	2/18/09
1,1-Dichloroethane	< 0.5	NR	2/18/09	Dichlorodifluoromethane	< 0.5	NR	2/18/09
1,1-Dichloroethane	< 0.5	7	2/18/09	Diethyl ether	< 0.5	NR	2/18/09
1,1-Dichloropropylene	< 0.5	NR	2/18/09	Diisopropyl Ether (DIPE)	< 0.5	NR	2/18/09
1,2,3-Trichlorobenzene	< 0.5	NR	2/18/09	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	2/18/09
1,2,3-Trichloropropane	< 0.5	NR	2/18/09	Ethylbenzene	< 0.5	700	2/18/09
1,2,4-Trichlorobenzene	< 0.5	70	2/18/09	Hexachlorobutadiene	< 0.5	NR	2/18/09
1,2,4-Trimethylbenzene	< 0.5	NR	2/18/09	Isopropylbenzene	< 0.5	NR	2/18/09
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	2/18/09	m/p - Xylenes	< 0.5	NR	2/18/09
1,2-Dibromoethane	< 0.5	NR	2/18/09	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	2/18/09
1,2-Dichlorobenzene	< 0.5	600	2/18/09	Methylene chloride	< 0.5	5	2/18/09
1,2-Dichloroethane	< 0.5	5	2/18/09	Methyl-t-butyl-ether (MtBE)	< 0.5	13	2/18/09
1,2-Dichloropropane	< 0.5	5	2/18/09	Napthalene	< 0.5	NR	2/18/09
1,3,5-Trimethylbenzene	< 0.5	NR	2/18/09	n-Butylbenzene	< 0.5	NR	2/18/09
1,3-Dichlorobenzene	< 0.5	NR	2/18/09	Nitrobenzene	<10	NR	2/18/09
1,3-Dichloropropane	< 0.5	NR	2/18/09	n-Propylbenzene	< 0.5	NR	2/18/09
1,4-Dichlorobenzene	< 0.5	75	2/18/09	o-Xylene	< 0.5	NR	2/18/09
2,2-Dichloropropane	< 0.5	NR	2/18/09	sec Butylbenzene	< 0.5	NR	2/18/09
2-Chlorotoluene	<0.5	0.5	2/18/09	Styrene	< 0.5	100	2/18/09
2-Hexanone	<10	NR	2/18/09	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	2/18/09
4 Methyl-2-Pentanone (MIBK)	<10	NR	2/18/09	Tert-Butyl Alcohol (TBA)	<10	NR	2/18/09
4-Chlorotoluene	<0.5	0.5	2/18/09	Tert-Butylbenzene	< 0.5	NR	2/18/09
4-Isopropyltoluene	< 0.5	NR	2/18/09	Tetrachloroethylene	< 0.5	5	2/18/09
Acetone	<10	NR	2/18/09	Tetrachloromethane	< 0.5	NR	2/18/09
Benzene	< 0.5	5	2/18/09	Tetrahydrofuran	<10	NR	2/18/09
Bromobenzene	< 0.5	NR	2/18/09	Toluene	< 0.5	1000	2/18/09
Bromochloromethane	< 0.5	NR	2/18/09	Total Xylenes	< 0.5	10,000	2/18/09
Bromodichloromethane	< 0.5	80	2/18/09	Trans-1, 2-Dichloroethylene	< 0.5	100	2/18/09
Bromoform	< 0.5	80	2/18/09	Trans-1, 3-Dichloropropylene	< 0.5	NR	2/18/09
Bromomethane	< 0.5	NR	2/18/09	Trichloroethylene	< 0.5	5	2/18/09
Carbon Disulfide	< 0.5	NR	2/18/09	Trichlorofluoromethane	< 0.5	NR	2/18/09
Chlorobenzene	< 0.5	100	2/18/09	Vinyl chloride	< 0.5	2	2/18/09
Chloroethane	< 0.5	NR	2/18/09	DISINFECTION BY-PRODUCTS (a)			
Chloroform	0.5	80	2/18/09	Total Trihalomethanes	1.7	80	8/15/07
Chloromethane	< 0.5	NR	2/18/09	Haloacetic Acids	< 1	60	8/15/07

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

	Results	MCL	Date		Results	MCL	Date
1, 2-Dibromo-3-chloropropane (DBCP)	< 0.02	0.2	2/18/09	Endrin	< 0.1	2	2/18/09
2,4,5-TP (Silvex)	< 0.25	50	2/18/09	Ethylene dibromide (EDB)	< 0.02	0.05	2/18/09
2,4-D	< 1	70	2/18/09	Glyphosate	< 10	700	2/18/09
3-Hydroxycarbofuran	< 1	NR	2/18/09	Heptachlor	< 0.1	0.4	2/18/09
Alachlor	< 0.1	2	2/18/09	Heptachlor Epoxide	< 0.1	0.2	2/18/09
Aldicarb	< 1	NR	2/18/09	Hexachlorobenzene	< 0.1	1	2/18/09
Aldicarb Sulfone	< 1	NR	2/18/09	Hexachlorocyclopentadiene	< 0.1	50	2/18/09
Aldicarb Sulfoxide	< 1	NR	2/18/09	Lindane	< 0.1	0.2	2/18/09
Aldrin	< 0.1	NR	2/18/09	Methiocarb	< 1	7	2/18/09
Atrazine	< 0.1	3	2/18/09	Metolachlor	< 0.1	40	2/18/09
Benzo(a)pyrene	< 0.1	0.2	2/18/09	Methomyl	< 1	NR	2/18/09
Butachlor	< 0.1	NR	2/18/09	Methoxychlor	< 0.1	40	2/18/09
Carbaryl	< 1	NR	2/18/09	Metribuzin	< 0.1	NR	2/18/09
Carbofuran	< 1	40	2/18/09	Oxamyl (Vydate)	< 1	200	2/18/09
Chlordane	< 0.4	2	2/18/09	Pentachlorophenol	< 0.1	1	2/18/09
Di (2-ethylhexyl) adipate	< 1	400	2/18/09	Picloram	< 0.5	500	2/18/09
Di (2-Ethylhexyl) phthalate	< 1	6	2/18/09	Propachlor	< 0.1	NR	2/18/09
Dicamba	< 0.5	NR	2/18/09	Propoxur (Baygon)	< 1	NR	2/18/09
Dieldrin	< 0.1	NR	2/18/09	Simazine	< 0.1	4	2/18/09
Dinoseb	< 1	7	2/18/09	Toxaphene	< 2	3	2/18/09

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	1/16/08
Arsenic (µg/L)	< 2	10	1/16/08
Barium (mg/L)	0.012	2	1/16/08
Beryllium (µg/L)	< 2	4	1/16/08
Cadmium (µg/L)	< 2	5	1/16/08
Chromium (µg/L)	< 10	100	1/16/08
Cyanide (µg/L)	< 20	200	1/16/08
Fluoride (mg/L)	0.39	4	1/16/08
Mercury (µg/L)	< 0.2	2	1/16/08
Nickel (µg/L)	< 10	100	1/16/08
Nitrate-N (mg/L)	1.28	10	2/18/09
Nitrite-N (mg/L)	< 0.05	1	2/18/09
Selenium (µg/L)	< 5	50	1/16/08
Thallium (µg/L)	< 1	2	1/16/08

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	<5	15	2009
Copper (mg/L) 90th percentile sample	< 0.01	1.3	2009

Microbiological Contaminants (a)

Results	MCL
Total Coliform	<5%/month
E. coli	Absent
Average Chlorine Residual (mg/L)	0.34

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	52	250	1/16/08
Fluoride (mg/L)	0.39	2	1/16/08
Iron (mg/L)	0.042	0.3	1/16/08
Manganese (mg/L)	< 0.01	0.05	1/16/08
pH (Standard Units)	7.07	6.5 – 8.5	1/16/08
Silver (µg/L)	< 4	100	1/16/08
Sodium (mg/L)	30.3	100-250	1/16/08
Sulfate (mg/L)	13.5	250	1/16/08
Zinc (mg/L)	1.04	5	1/16/08

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.3	15	10/11/05
Radon Gas (pCi/L)	300	None	4/5/07
Radium-226 (pCi/L)	0.1	5	10/11/05
Radium-228 (pCi/L)	0	5	10/11/05
Uranium (µg/L)	1.5	30	10/11/05

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	48	1/16/08
Calcium (mg/L)	20.4	1/16/08
Copper (mg/L)	< 0.01	1/16/08
Hardness, Total as CaCO ₃ (mg/L)	55.5	1/16/08
Hydrogen Sulfide (mg/L)	0.06	1/16/08
Lead (µg/L)	< 5	1/16/08
Magnesium (mg/L)	1.1	1/16/08
Specific Conductance (umhos/cm ²)	329	1/16/08
Sulfide (mg/L)	0.2	1/16/08

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 - 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

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.