WATER QUALITY REPORT
W and E, Windham, NH
EPA # 2542030

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	10/15/19	Chloromethane	< 0.5	NR	10/15/19
1,1,1-Trichloroethane	< 0.5	NR	10/15/19	cis-1, 2-Dichloroethylene	< 0.5	NR	10/15/19
1,1,2,2-Tetrachloroethane	< 0.5	NR	10/15/19	cis-1, 3-Dichloropropylene	< 0.5	NR	10/15/19
1,1,2-Trichloroethane	< 0.5	NR	10/15/19	Dibromochloromethane	5.3	NR	10/15/19
1,1-Dichloroethane	< 0.5	NR	10/15/19	Dibromomethane	< 0.5	NR	10/15/19
1,1-Dichloroethylene	< 0.5	NR	10/15/19	Dichlorodifluoromethane	< 0.5	NR	10/15/19
1,1-Dichloropropylene	< 0.5	NR	10/15/19	Diethyl ether	< 0.5	NR	10/15/19
1,2,3-Trichlorobenzene	< 0.5	NR	10/15/19	Diisopropyl Ether (DIPE)	< 0.5	NR	10/15/19
1,2,3-Trichloropropane	< 0.5	NR	10/15/19	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	10/15/19
1,2,4-Trichlorobenzene	< 0.5	NR	10/15/19	Ethylbenzene	< 0.5	NR	10/15/19
1,2,4-Trimethylbenzene	< 0.5	NR	10/15/19	Hexachlorobutadiene	< 0.5	NR	10/15/19
1,2-Dibromo - 3- chloropropane	< 0.5	NR	10/15/19	Isopropylbenzene	< 0.5	NR	10/15/19
1,2-Dibromoethane	< 0.5	NR	10/15/19	m/p - Xylenes	<1	NR	10/15/19
1,2-Dichlorobenzene	< 0.5	NR	10/15/19	Methylene chloride	< 0.5	NR	10/15/19
1,2-Dichloroethane	< 0.5	NR	10/15/19	Methyl-t-butyl-ether (MtBE)	0.8	NR	10/15/19
1,2-Dichloropropane	< 0.5	NR	10/15/19	Napthalene	< 0.5	NR	10/15/19
1,3,5-Trimethylbenzene	< 0.5	NR	10/15/19	n-Butylbenzene	< 0.5	NR	10/15/19
1,3-Dichlorobenzene	< 0.5	NR	10/15/19	o-Xylene	< 0.5	NR	10/15/19
1,3-Dichloropropane	< 0.5	NR	10/15/19	sec Butylbenzene	< 0.5	NR	10/15/19
1,4-Dichlorobenzene	< 0.5	NR	10/15/19	Styrene	< 0.5	NR	10/15/19
2-Chlorotoluene	<0.5	NR	10/15/19	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	10/15/19
4-Chlorotoluene	<0.5	NR	10/15/19	Tert-Butyl Alcohol (TBA)	<10	NR	10/15/19
4-Isopropyltoluene	< 0.5	NR	10/15/19	Tert-Butylbenzene	< 0.5	NR	10/15/19
Benzene	< 0.5	NR	10/15/19	Tetrachloroethylene	< 0.5	NR	10/15/19
Bromobenzene	< 0.5	NR	10/15/19	Tetrahydrofuran	<10	NR	10/15/19
Bromochloromethane	< 0.5	NR	10/15/19	Toluene	< 0.5	NR	10/15/19
Bromodichloromethane	3.1	NR	10/15/19	Total Trihalomethanes	12	NR	10/15/19
Bromoform	2.9	NR	10/15/19	Total Xylenes	< 0.5	NR	10/15/19
Bromomethane	< 0.5	NR	10/15/19	Trans-1, 2-Dichloroethylene	< 0.5	NR	10/15/19
Carbon Disulfide	< 0.5	NR	10/15/19	Trans-1, 3-Dichloropropylene	< 0.5	NR	10/15/19
Carbon Tetrachloride	< 0.5	NR	10/15/19	Trichloroethylene	< 0.5	NR	10/15/19
Chlorobenzene	< 0.5	NR	10/15/19	Trichlorofluromethane	< 0.5	NR	10/15/19
Chloroform	1	NR	10/15/19	Vinyl chloride	< 0.5	NR	10/15/19

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	10/19/17	Diquat		20	
2,4-D	< 1	70	10/19/17	Endrin	< 0.1	2	10/19/17
3-Hydroxycarbofuran	< 1	NR	10/19/17	Ethylene dibromide (EDB)	< 0.02	0.05	10/19/17
Alachlor	< 0.1	2	10/19/17	Glyphosate	< 10	700	10/19/17
Aldicarb	< 1	NR	10/19/17	Heptachlor	< 0.1	0.4	10/19/17
Aldicarb Sulfone	< 1	NR	10/19/17	Heptachlor Epoxide	< 0.1	0.2	10/19/17
Aldicarb Sulfoxide	< 1	NR	10/19/17	Hexachlorobenzene	< 0.1	1	10/19/17
Aldrin	< 0.1	NR	10/19/17	Hexachlorocyclopentadiene	< 0.1	50	10/19/17
Atrazine	< 0.1	3	10/19/17	Lindane	< 0.1	0.2	10/19/17
Benzo(a)pyrene	< 0.1	0.2	10/19/17	Methiocarb	< 1	7	10/19/17
Butachlor	< 0.1	NR	10/19/17	Methomyl	< 1	NR	10/19/17
Carbaryl	< 1	NR	10/19/17	Methoxychlor	< 0.1	40	10/19/17
Carbofuran	< 1	40	10/19/17	Metolachlor	< 0.1	40	10/19/17
Chlordane	< 0.4	2	10/19/17	Metribuzin	< 0.1	NR	10/19/17
Di (2-ethylhexyl) adipate	< 1	400	10/19/17	Oxamyl (Vydate)	< 1	200	10/19/17
Di (2-Ethylhexyl) phthalate	< 1	6	10/19/17	Pentachlorophenol	< 0.1	1	10/19/17
Dibromochloropropane (DBCP)	< 0.02	0.2	10/19/17	Picloram	< 0.5	500	10/19/17
Dicamba	< 0.5	NR	10/19/17	Propachlor	< 0.1	NR	10/19/17
Dieldrin	< 0.1	NR	10/19/17	Propoxur (Baygon)	< 1	NR	10/19/17
Dinoseb	< 1	7	10/19/17	Simazine	< 0.1	4	10/19/17
				Toxaphene	< 2	3	10/19/17

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	0.7	15	10/29/15
Radium 226 & 228 (pCi/L)	0.4	5	11/29/12
Uranium (µg/L)	5.7	30	10/19/17

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	2	15	2018
Copper (mg/L) 90th percentile sample	0.151	1.3	2018

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	10/24/18
Arsenic (mg/L)	<0.001	0.01	10/24/18
Barium (mg/L)	0.0064	2	10/24/18
Beryllium (mg/L)	<0.001	0.004	10/24/18
Cadmium (mg/L)	<0.001	0.005	10/24/18
Chromium (mg/L)	<0.001	0.1	10/24/18
Fluoride (mg/L)	<0.2	4	10/24/18
Mercury (mg/L)	<0.0001	0.002	10/24/18
Nitrate-N (mg/L)	< 0.2	10	10/15/19
Nitrite-N (mg/L)	< 0.2	1	10/24/18
Selenium (mg/L)	<0.001	0.05	10/24/18
Thallium (mg/L)	<0.001	0.002	10/24/18

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	127	250	10/24/18
Fluoride (mg/L)	<0.2	2	10/24/18
Iron (mg/L)	0.17	0.3	10/24/18
Manganese (mg/L)	0.002	0.05	10/24/18
pH (Standard Units)	7.8	6.5 – 8.5	10/24/18
Sulfate (mg/L)	50	250	10/24/18
Zinc (mg/L)	0.0055	5	10/24/18

Microbiological Contaminants (a)	Results	MCL	Date
Total Coliform	Absent	≤ 1/month	Monthly
E. coli	Absent	Absent	Monthly
Chlorine Residual Range (mg/L)	0.2 - 1.0		

DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	12	80	7/19/18
Haloacetic Acids (µg/L)	2.2	60	7/19/18

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	<1.93	NR	10/7/19
Perfluoroheptanoic acid (PFHpA) (ng/L)	<1.93	NR	10/7/19
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	2.54	NR	10/7/19
Perfluorononanoic acid (PFNA) (ng/L)	<1.93	NR	10/7/19
Perfluorooctane sulfonate (PFOS) (ng/L)	2.26	70*	10/7/19
Perfluorooctanoic acid (PFOA) (ng/L)	6.1		10/7/19

*PFOS + PFOA should not be more than 70 ng/L

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as $CaCO_3$ (mg/L)	136	10/24/18
Calcium (mg/L)	57.6	10/24/18
Copper (mg/L)	0.0095	10/24/18
Hardness, Total as $CaCO_3$ (mg/L)	182	10/24/18
Magnesium (mg/L)	9.18	10/24/18
Nickel (mg/L)	<0.001	10/24/18
Radon Gas (pCi/L)	3,080	8/2/16
Sodium (mg/L)	76	10/24/18

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Three bedrock wells.

Treatment: Chlorine for disinfection, softening to reduce hardness, filtration to reduce iron and manganese levels; sodium hydroxide to increase pH 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.

State Wesite: http://www2.des.state.nh.us/DESOnestop/PWSDetail.aspx?ID=2542030