

WATER QUALITY REPORT

Williamsburg, Pelham, NH

EPA # 1851010

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

Analyte	Results	MCL	Date	Analyte	Results	MCL
1,1,1,2-Tetrachloroethane	< 0.5	NR	10/19/17	Chloroform	1	80
1,1,1-Trichloroethane	< 0.5	200	10/19/17	Chloromethane	< 0.5	NR
1,1,2,2-Tetrachloroethane	< 0.5	NR	10/19/17	cis-1, 2-Dichloroethylene	< 0.5	70
1,1,2-Trichloroethane	< 0.5	5	10/19/17	cis-1, 3-Dichloropropylene	< 0.5	NR
1,1-Dichloroethane	< 0.5	NR	10/19/17	Dibromochloromethane	1.4	80
1,1-Dichloroethylene	< 0.5	7	10/19/17	Dibromomethane	< 0.5	NR
1,1-Dichloropropylene	< 0.5	NR	10/19/17	Dichlorodifluoromethane	< 0.5	NR
1,2,3-Trichlorobenzene	< 0.5	NR	10/19/17	Diethyl ether	< 0.5	NR
1,2,3-Trichloropropane	< 0.5	NR	10/19/17	Diisopropyl Ether (DIPE)	< 0.5	NR
1,2,4-Trichlorobenzene	< 0.5	70	10/19/17	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR
1,2,4-Trimethylbenzene	< 0.5	NR	10/19/17	Ethylbenzene	< 0.5	700
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	10/19/17	Hexachlorobutadiene	< 0.5	NR
1,2-Dibromoethane	< 0.5	NR	10/19/17	Isopropylbenzene	< 0.5	NR
1,2-Dichlorobenzene	< 0.5	600	10/19/17	m/p - Xylenes	< 0.5	NR
1,2-Dichloroethane	< 0.5	5	10/19/17	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR
1,2-Dichloropropane	< 0.5	5	10/19/17	Methylene chloride	< 0.5	5
1,3,5-Trimethylbenzene	< 0.5	NR	10/19/17	Methyl-t-butyl-ether (MtBE)	< 0.5	13
1,3-Dichlorobenzene	< 0.5	NR	10/19/17	Napthalene	< 0.5	NR
1,3-Dichloropropane	< 0.5	NR	10/19/17	n-Butylbenzene	< 0.5	NR
1,4-Dichlorobenzene	< 0.5	75	10/19/17	Nitrobenzene	<10	NR
2,2-Dichloropropane	< 0.5	NR	10/19/17	n-Propylbenzene	< 0.5	NR
2-Butanone (MEK)	<10	NR	10/19/17	o-Xylene	< 0.5	NR
2-Chlorotoluene	<0.5	0.5	10/19/17	sec Butylbenzene	< 0.5	NR
2-Hexanone	<10	NR	10/19/17	Styrene	< 0.5	100
4 Methyl-2-Pentanone (MIBK)	<10	NR	10/19/17	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR
4-Chlorotoluene	<0.5	0.5	10/19/17	Tert-Butyl Alcohol (TBA)	<10	NR
4-Isopropyltoluene	< 0.5	NR	10/19/17	Tert-Butylbenzene	< 0.5	NR
Acetone	<10	NR	10/19/17	Tetrachloroethylene	< 0.5	5
Benzene	< 0.5	5	10/19/17	Tetrachloromethane	< 0.5	NR
Bromobenzene	< 0.5	NR	10/19/17	Tetrahydrofuran	<10	NR
Bromochloromethane	< 0.5	NR	10/19/17	Toluene	< 0.5	1000
Bromodichloromethane	1.1	80	10/19/17	Total Trihalomethanes	3.5	80
Bromoform	<0.5	80	10/19/17	Total Xylenes	< 0.5	10,000
Bromomethane	< 0.5	NR	10/19/17	Trans-1, 2-Dichloroethylene	< 0.5	100
Carbon Disulfide	< 0.5	NR	10/19/17	Trans-1, 3-Dichloropropylene	< 0.5	NR
Carbon Tetrachloride	< 0.5	5	10/19/17	Trichloroethylene	< 0.5	5
Chlorobenzene	< 0.5	100	10/19/17	Trichlorofluoromethane	< 0.5	NR
Chloroethane	<0.5	NR	10/19/17	Vinyl chloride	< 0.5	2

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

Analyte	Results	MCL	Date	Analyte	Results	MCL
2,4,5-TP (Silvex)	< 0.25	50	10/19/17	Heptachlor	< 0.1	0.4
2,4-D	< 1	70	10/19/17	Heptachlor Epoxide	< 0.1	0.2
3-Hydroxycarbofuran	< 1	NR	10/19/17	Hexachlorobenzene	< 0.1	1
Alachlor	< 0.1	2	10/19/17	Hexachlorocyclopentadiene	< 0.1	50
Aldicarb	< 1	NR	10/19/17	Lindane	< 0.1	0.2
Aldicarb Sulfone	< 1	NR	10/19/17	Methiocarb	< 1	7
Aldicarb Sulfoxide	< 1	NR	10/19/17	Methomyl	< 1	NR
Aldrin	< 0.1	NR	10/19/17	Methoxychlor	< 0.1	40
Atrazine	< 0.1	3	10/19/17	Metolachlor	< 0.1	40
Benzo(a)pyrene	< 0.1	0.2	10/19/17	Metribuzin	< 0.1	NR
Butachlor	< 0.1	NR	10/19/17	Oxamyl (Vydate)	< 1	200
Carbaryl	< 1	NR	10/19/17	PCB Aroclor 1016	<0.2	NR
Carbofuran	< 1	40	10/19/17	PCB Aroclor 1221	<0.2	NR
Chlordane	< 0.4	2	10/19/17	PCB Aroclor 1232	<0.2	NR
Dalapon	<1	200	10/19/17	PCB Aroclor 1242	<0.2	NR
Di (2-Ethylhexyl) phthalate	< 1	6	10/19/17	PCB Aroclor 1248	<0.2	NR
Di (2-ethylhexyl) adipate	< 1	400	10/19/17	PCB Aroclor 1254	<0.2	NR
Dicamba	< 0.5	NR	10/19/17	PCB Aroclor 1260	<0.2	NR
Dieldrin	< 0.1	NR	10/19/17	Pentachlorophenol	< 0.1	1
Dinoseb	< 1	7	10/19/17	Picloram	< 0.5	500
Diquat		20		Propachlor	< 0.1	NR
Endrin	< 0.1	2	10/19/17	Propoxur (Baygon)	< 1	NR
Ethylene dibromide (EDB)	< 0.02	0.05	10/19/17	Simazine	< 0.1	4
				Toxaphene	< 2	3

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	< 3	15	10/26/16
Radium 226 & 228 (pCi/L)	1	5	10/26/16

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL
Lead (µg/L) 90th percentile sample	2	15

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Uranium (µg/L)	< 1	30	10/26/16	Copper (mg/L) 90th percentile sample	0.265	1.3
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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)	0.0211	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)	2.53	10	10/8/19
Nitrite-N (mg/L)	< 0.2	1	10/8/19
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
Chloride (mg/L)	80	250
Fluoride (mg/L)	< 0.2	2
Iron (mg/L)	<0.1	0.3
Manganese (mg/L)	0.0085	0.05
pH (Standard Units)	7.07	6.5 – 8.5
Sulfate (mg/L)	15	250
Zinc (mg/L)	0.0088	5

DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	31	80	7/12/17
Haloacetic Acids (µg/L)	8.5	60	7/12/17

Microbiological Contaminants (a)

	Results	MCL
Total Coliform	Absent	≤ 1/month
E. coli	Absent	Absent
Chlorine Residual Range (mg/L)	0.2 - 0.8	

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	2.55	NR	10/24/18
Perfluoroheptanoic acid (PFHpA) (ng/L)	< 1.93	NR	10/24/18
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	< 1.93	NR	10/24/18
Perfluorononanoic acid (PFNA) (ng/L)	< 1.93	NR	10/24/18
Perfluorooctane sulfonate (PFOS) (ng/L)	0	70*	10/24/18
Perfluorooctanoic acid (PFOA) (ng/L)	5.21		10/24/18

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	65	10/24/18
Calcium (mg/L)	17.5	10/24/18
Copper (mg/L)	0.024	10/24/18
Hardness, Total as CaCO ₃ (mg/L)	57.5	10/24/18
Magnesium (mg/L)	3.34	10/24/18
Nickel (mg/L)	0.0015	10/24/18
Radon Gas (pCi/L)	606	1/8/19
Sodium (mg/L)	58.8	10/24/18

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

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two gravel pack wells

Treatment: Chlorine for disinfection, Potassium Carbonate 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. Additional information can be found on the State's website: <http://www2.des.state.nh.us/DESONestop/PWSDetail.aspx?ID=2352040>