

# 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	10/6/21	Chloroform	1.4	80
1,1,1-Trichloroethane	< 0.5	200	10/6/21	Chloromethane	< 0.5	NR
1,1,2,2-Tetrachloroethane	< 0.5	NR	10/6/21	cis-1, 2-Dichloroethylene	< 0.5	70
1,1,2-Trichloroethane	< 0.5	5	10/6/21	cis-1, 3-Dichloropropylene	< 0.5	NR
1,1-Dichloroethane	< 0.5	NR	10/6/21	Dibromochloromethane	2.4	80
1,1-Dichloroethylene	< 0.5	7	10/6/21	Dibromomethane	< 0.5	NR
1,1-Dichloropropylene	< 0.5	NR	10/6/21	Dichlorodifluoromethane	< 0.5	NR
1,2,3-Trichlorobenzene	< 0.5	NR	10/6/21	Diethyl ether	< 0.5	NR
1,2,3-Trichloropropane	< 0.5	NR	10/6/21	Diisopropyl Ether (DIPE)	< 0.5	NR
1,2,4-Trichlorobenzene	< 0.5	70	10/6/21	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR
1,2,4-Trimethylbenzene	< 0.5	NR	10/6/21	Ethylbenzene	< 0.5	700
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	10/6/21	Hexachlorobutadiene	< 0.5	NR
1,2-Dibromoethane	< 0.5	NR	10/6/21	Isopropylbenzene	< 0.5	NR
1,2-Dichlorobenzene	< 0.5	600	10/6/21	m/p - Xylenes	<1	NR
1,2-Dichloroethane	< 0.5	5	10/6/21	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR
1,2-Dichloropropane	< 0.5	5	10/6/21	Methylene chloride	< 0.5	5
1,3,5-Trimethylbenzene	< 0.5	NR	10/6/21	Methyl-t-butyl-ether (MtBE)	< 0.5	13
1,3-Dichlorobenzene	< 0.5	NR	10/6/21	Napthalene	< 0.5	NR
1,3-Dichloropropane	< 0.5	NR	10/6/21	n-Butylbenzene	< 0.5	NR
1,4-Dichlorobenzene	< 0.5	75	10/6/21	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	10/6/21	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	10/6/21	Tert-Butyl Alcohol (TBA)	<10	NR
4-Isopropyltoluene	< 0.5	NR	10/6/21	Tert-Butylbenzene	< 0.5	NR
Acetone	<10	NR	10/19/17	Tetrachloroethylene	< 0.5	5
Benzene	< 0.5	5	10/6/21	Tetrachloromethane	< 0.5	NR
Bromobenzene	< 0.5	NR	10/6/21	Tetrahydrofuran	<10	NR
Bromochloromethane	< 0.5	NR	10/6/21	Toluene	< 0.5	1000
Bromodichloromethane	1.9	80	10/6/21	Total Trihalomethanes	6.3	80
Bromoform	0.6	80	10/6/21	Total Xylenes	< 0.5	10,000
Bromomethane	< 0.5	NR	10/6/21	Trans-1, 2-Dichloroethylene	< 0.5	100
Carbon Disulfide	< 0.5	NR	10/6/21	Trans-1, 3-Dichloropropylene	< 0.5	NR
Carbon Tetrachloride	< 0.5	5	10/6/21	Trichloroethylene	< 0.5	5
Chlorobenzene	< 0.5	100	10/6/21	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

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Carbaryl	< 1	NR	10/19/17
Carbofuran	< 1	40	10/19/17
Chlordane	< 0.4	2	10/19/17
Dalapon	<1	200	10/19/17
Di (2-Ethylhexyl) phthalate	< 1	6	10/19/17
Di (2-ethylhexyl) adipate	< 1	400	10/19/17
Dicamba	< 0.5	NR	10/19/17
Dieldrin	< 0.1	NR	10/19/17
Dinoseb	< 1	7	10/19/17
Diquat		20	
Endrin	< 0.1	2	10/19/17
Ethylene dibromide (EDB)	< 0.02	0.05	10/19/17

PCB Aroclor 1016	<0.2	NR
PCB Aroclor 1221	<0.2	NR
PCB Aroclor 1232	<0.2	NR
PCB Aroclor 1242	<0.2	NR
PCB Aroclor 1248	<0.2	NR
PCB Aroclor 1254	<0.2	NR
PCB Aroclor 1260	<0.2	NR
Pentachlorophenol	< 0.1	1
Picloram	< 0.5	500
Propachlor	< 0.1	NR
Propoxur (Baygon)	< 1	NR
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
Uranium (µg/L)	< 1	30	10/26/16

## FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL
Lead (µg/L) 90th percentile sample	0.001	15
Copper (mg/L) 90th percentile sample	0.609	1.3

## INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	10/6/21
Arsenic (mg/L)	<0.001	0.01	10/6/21
Barium (mg/L)	0.0179	2	10/6/21
Beryllium (mg/L)	<0.001	0.004	10/6/21
Cadmium mg/L)	<0.001	0.005	10/6/21
Chromium (mg/L)	0.0011	0.1	10/6/21
Fluoride (mg/L)	< 0.2	4	10/6/21
Mercury (mg/L)	<0.0001	0.002	10/6/21
Nitrate-N (mg/L)	1.87	10	10/6/21
Nitrite-N (mg/L)	< 0.2	1	10/8/19
Selenium (mg/L)	<0.001	0.05	10/6/21
Thallium (mg/L)	<0.001	0.002	10/6/21
Cyanide (mg/L)	<0.02	0.2	10/20/09

## SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL
Chloride (mg/L)	68	250
Fluoride (mg/L)	< 0.2	2
Iron (mg/L)	0.038	0.3
Manganese (mg/L)	0.0082	0.05
pH (Standard Units)	7.24	6.5 – 8.5
Sulfate (mg/L)	15	250
Zinc (mg/L)	0.0052	5

## Microbiological Contaminants (a)

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

## DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	4.8	80	7/13/2022
Haloacetic Acids (µg/L)	1.3	60	7/13/2022

## 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	18ppt	10/24/18
Perfluorononanoic acid (PFNA) (ng/L)	< 1.93	11ppt	10/24/18

## UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	65	10/24/18
Calcium (mg/L)	14.6	10/6/21
Copper (mg/L)	0.024	10/24/18
Hardness, Total as CaCO <sub>3</sub> (mg/L)	57.5	10/24/18
Magnesium (mg/L)	2.9	10/6/21
Nickel (mg/L)	0.0014	10/6/21
Radon Gas (pCi/L)	592	10/6/21
Sodium (mg/L)	56.2	10/6/21

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Perfluorooctane sulfonate (PFOS) (ng/L)	0	70*	10/24/18
Perfluorooctanoic acid (PFOA) (ng/L)	5.21		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>