

WATER QUALITY REPORT

Twin Ridge, Plaistow, NH

EPA # 1932050

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	8/7/19	cis-1, 2-Dichloroethylene	< 0.5	70	8/7/19
1,1,1-Trichloroethane	< 0.5	200	8/7/19	cis-1, 3-Dichloropropylene	< 0.5	NR	8/7/19
1,1,2,2-Tetrachloroethane	< 0.5	NR	8/7/19	Dibromochloromethane	4.2	80	8/7/19
1,1,2-Trichloroethane	< 0.5	5	8/7/19	Dibromomethane	< 0.5	NR	8/7/19
1,1-Dichloroethane	< 0.5	NR	8/7/19	Dichlorodifluoromethane	< 0.5	NR	8/7/19
1,1-Dichloroethylene	< 0.5	7	8/7/19	Diethyl ether	< 0.5	NR	8/7/19
1,1-Dichloropropylene	< 0.5	NR	8/7/19	Diisopropyl Ether (DIPE)	< 0.5	NR	8/7/19
1,2,3-Trichlorobenzene	< 0.5	NR	8/7/19	2-Ethyl-1hexanol	< 0.5	NR	9/14/18
1,2,3-Trichloropropane	< 0.5	NR	8/7/19	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	8/7/19
1,2,4-Trichlorobenzene	< 0.5	70	8/7/19	Ethylbenzene	< 0.5	700	8/7/19
1,2,4-Trimethylbenzene	< 0.5	NR	8/7/19	Hexachloroethane	< 0.5	NR	8/7/19
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	8/7/19	Hexachlorobutadiene	< 0.5	NR	8/7/19
1,2-Dibromoethane	< 0.5	NR	8/7/19	Isopropylbenzene	< 0.5	NR	8/7/19
1,2-Dichlorobenzene	< 0.5	600	8/7/19	m&p - Xylenes	<1	NR	8/7/19
1,2-Dichloroethane	< 0.5	5	8/7/19	Methyl-t-butyl-ether (MtBE)	< 0.5	13	8/7/19
1,2-Dichloropropane	< 0.5	5	8/7/19	Methylene chloride	< 0.5	5	8/7/19
1,3,5-Trimethylbenzene	< 0.5	NR	8/7/19	Naphthalene	< 0.5	NR	8/7/19
1,3-Dichlorobenzene	< 0.5	NR	8/7/19	n-Butylbenzene	< 0.5	NR	8/7/19
1,3-Dichloropropane	< 0.5	NR	8/7/19	n-Propylbenzene	< 0.5	NR	8/7/19
1,4-Dichlorobenzene	< 0.5	75	8/7/19	o-Xylene	< 0.5	NR	8/7/19
2-Chlorotoluene	<0.5	0.5	8/7/19	sec Butylbenzene	< 0.5	NR	8/7/19
4-Chlorotoluene	<0.5	0.5	8/7/19	Styrene	< 0.5	100	4/7/20
4-Isopropyltoluene	< 0.5	NR	8/7/19	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	8/7/19
Benzene	< 0.5	5	8/7/19	Tert-Butyl Alcohol (TBA)	<10	NR	8/7/19
Bromobenzene	< 0.5	NR	8/7/19	Tert-Butylbenzene	< 0.5	NR	8/7/19
Bromochloromethane	< 0.5	NR	8/7/19	Tetrachloroethylene	< 0.5	5	8/7/19
Bromodichloromethane	2.2	80	8/7/19	Tetrahydrofuran	<10	NR	8/7/19
Bromoform	3	80	8/7/19	Toluene	< 0.5	1000	8/7/19
Bromomethane	< 0.5	NR	8/7/19	Total Trihalomethanes	10	80	8/7/19
Carbon disulfide	< 0.5	NR	8/7/19	Total Xylenes	< 0.5	10000	8/7/19
Carbon tetrachloride	< 0.5	5	8/7/19	Trans-1, 2-Dichloroethylene	< 0.5	100	8/7/19
Chlorobenzene	< 0.5	100	8/7/19	Trans-1, 3-Dichloropropylene	< 0.5	NR	8/7/19
Chloroform	0.7	80	8/7/19	Trichloroethylene	< 0.5	5	8/7/19
Chloromethane	< 0.5	NR	8/7/19	Trichlorofluoromethane	< 0.5	NR	8/7/19
				Vinyl chloride	< 0.5	2	8/7/19

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	9/5/18	Heptachlor	< 0.1	0.4	9/5/18
2,4-D	< 1	70	9/5/18	Heptachlor Epoxide	< 0.1	0.2	9/5/18
3-Hydroxycarbofuran	< 1	NR	9/5/18	Hexachlorobenzene	< 0.1	1	9/5/18
Alachlor	< 0.1	2	9/5/18	Hexachlorocyclopentadiene	< 0.1	50	9/5/18
Aldicarb	< 1	RN	9/5/18	Lindane	< 0.1	0.2	9/5/18
Aldicarb Sulfone	< 1	RN	9/5/18	Methiocarb	< 1	7	9/5/18
Aldicarb Sulfoxide	< 1	RN	9/5/18	Methomyl	< 1	NR	9/5/18
Aldrin	< 0.1	NR	9/5/18	Methoxychlor	< 0.1	40	9/5/18
Atrazine	< 0.1	3	9/5/18	Metolachlor	< 0.1	40	9/5/18
Benzo(a)pyrene	< 0.1	0.2	9/5/18	Metribuzin	< 0.1	NR	9/5/18
Butachlor	< 0.1	NR	9/5/18	Oxamyl (Vydate)	< 1	200	9/5/18
Carbaryl	< 1	NR	9/5/18	PCB Aroclor 1016	<0.2	NR	9/5/18
Carbofuran	< 1	40	9/5/18	PCB Aroclor 1221	<0.2	NR	9/5/18
Chlordane	< 0.4	2	9/5/18	PCB Aroclor 1232	<0.2	NR	9/5/18
Dalapon	<1	200	9/5/18	PCB Aroclor 1242	<0.2	NR	9/5/18
Di (2-ethylhexyl) adipate	< 1	400	9/5/18	PCB Aroclor 1248	<0.2	NR	9/5/18
Di (2-Ethylhexyl) phthalate	< 1	6	9/5/18	PCB Aroclor 1254	<0.2	NR	9/5/18
Dicamba	< 0.5	NR	9/5/18	PCB Aroclor 1260	<0.2	NR	9/5/18
Dieldrin	< 0.1	NR	9/5/18	Pentachlorophenol	< 0.1	1	9/5/18
Dinoseb	< 1	7	9/5/18	Picloram	<2	500	9/5/18
Diquat		20		Propachlor	< 0.1	NR	9/5/18
Endrin	< 0.1	2	9/5/18	Propoxur (Baygon)	< 1	NR	9/5/18
Ethylene dibromide (EDB)	< 0.02	0.05	9/5/18	Simazine	< 0.1	4	9/5/18
Glyphosate	< 10	700	9/5/18	Toxaphene	< 2	3	9/5/18

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	3.2+/-0.8	15	8/1/19
Radium 226 & 228 (pCi/L)	<1	5	8/1/19
Uranium (µg/L)	5.3	30	8/1/19

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	4	15	2018
Copper (mg/L) 90th percentile sample	0.236	1.3	2018

WATER QUALITY REPORT
Twin Ridge, Plaistow, NH
EPA # 1932050

INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	< 1	0.006	8/16/17
Arsenic (mg/L)	<0.001	0.01	4/7/20
Barium (mg/L)	0.0681	2	8/16/17
Beryllium (mg/L)	< 1	0.004	8/16/17
Cadmium (mg/L)	< 1	0.005	8/16/17
Chromium (mg/L)	1.4	0.1	8/16/17
Fluoride (mg/L)	0.41	4	8/16/17
Mercury (mg/L)	< 0.1	0.002	8/16/17
Nitrate-N (mg/L)	< 0.2	10	8/7/19
Nitrite-N (mg/L)	< 0.2	1	8/16/17
Selenium (mg/L)	< 5	0.05	8/16/17
Thallium (mg/L)	< 1	0.002	8/16/17

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	443	250	8/16/17
Fluoride (mg/L)	0.41	2	8/16/17
Iron (mg/L)	0.1	0.3	8/16/17
Manganese (mg/L)	0.0062	0.05	8/16/17
pH (Standard Units)	7.72	6.5 – 8.5	8/16/17
Sulfate (mg/L)	22	250	8/16/17
Zinc (mg/L)	0.0033	5	8/16/17

DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	20	80	8/17/16
Haloacetic Acids (µg/L)	4.7	60	8/17/16

Microbiological Contaminants (a)

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

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	<2.00	NR	12/31/19
Perfluoroheptanoic acid (PFHpA) (ng/L)	<2.00	NR	12/31/19
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	NR	12/31/19
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	NR	12/31/19
Perfluorooctane sulfonate (PFOS) (ng/L)	<2.00	70*	12/31/19
Perfluorooctanoic acid (PFOA) (ng/L)	2.9		12/31/19

*PFOS + PFOA can not exceed 70 ng/L

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	105	8/16/17
Calcium (mg/L)	58	8/16/17
Copper (mg/L)	0.0091	8/16/17
Hardness, Total as CaCO ₃ (mg/L)	198	8/16/17
Magnesium (mg/L)	12.9	8/16/17
Nickel (µg/L)	< 1	8/16/17
Radon Gas (pCi/L)	3,535	7/2/19
Sodium (mg/L)	255	8/16/17

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Four 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.

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.