

**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	7/13/10	cis-1, 2-Dichloroethylene	< 0.5	70	7/13/10
1,1,1-Trichloroethane	< 0.5	200	7/13/10	cis-1, 3-Dichloropropylene	< 0.5	NR	7/13/10
1,1,2,2-Tetrachloroethane	< 0.5	NR	7/13/10	Dibromochloromethane	2.8	80	7/13/10
1,1,2-Trichloroethane	< 0.5	5	7/13/10	Dibromomethane	< 0.5	NR	7/13/10
1,1-Dichloroethane	< 0.5	NR	7/13/10	Dichlorodifluoromethane	< 0.5	NR	7/13/10
1,1-Dichloroethane	< 0.5	7	7/13/10	Diethyl ether	< 0.5	NR	7/13/10
1,1-Dichloropropylene	< 0.5	NR	7/13/10	Diisopropyl Ether (DIPE)	< 0.5	NR	7/13/10
1,2,3-Trichlorobenzene	< 0.5	NR	7/13/10	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	7/13/10
1,2,3-Trichloropropane	< 0.5	NR	7/13/10	Ethylbenzene	< 0.5	700	7/13/10
1,2,4-Trichlorobenzene	< 0.5	70	7/13/10	Hexachlorobutadiene	< 0.5	NR	7/13/10
1,2,4-Trimethylbenzene	< 0.5	NR	7/13/10	Isopropylbenzene	< 0.5	NR	7/13/10
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	7/13/10	m/p - Xylenes	< 0.5	NR	7/13/10
1,2-Dibromoethane	< 0.5	NR	7/13/10	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	7/13/10
1,2-Dichlorobenzene	< 0.5	600	7/13/10	Methylene chloride	< 0.5	5	7/13/10
1,2-Dichloroethane	< 0.5	5	7/13/10	Methyl-t-butyl-ether (MtBE)	< 0.5	13	7/13/10
1,2-Dichloropropane	< 0.5	5	7/13/10	Napthalene	< 0.5	NR	7/13/10
1,3,5-Trimethylbenzene	< 0.5	NR	7/13/10	n-Butylbenzene	< 0.5	NR	7/13/10
1,3-Dichlorobenzene	< 0.5	NR	7/13/10	Nitrobenzene	<10	NR	7/13/10
1,3-Dichloropropane	< 0.5	NR	7/13/10	n-Propylbenzene	< 0.5	NR	7/13/10
1,4-Dichlorobenzene	< 0.5	75	7/13/10	o-Xylene	< 0.5	NR	7/13/10
2,2-Dichloropropane	< 0.5	NR	7/13/10	sec Butylbenzene	< 0.5	NR	7/13/10
2-Chlorotoluene	<0.5	0.5	7/13/10	Styrene	< 0.5	100	7/13/10
2-Hexanone	<10	NR	7/13/10	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	7/13/10
4 Methyl-2-Pentanone (MIBK)	<10	NR	7/13/10	Tert-Butyl Alcohol (TBA)	<10	NR	7/13/10
4-Chlorotoluene	<0.5	0.5	7/13/10	Tert-Butylbenzene	< 0.5	NR	7/13/10
4-Isopropyltoluene	< 0.5	NR	7/13/10	Tetrachloroethylene	< 0.5	5	7/13/10
Acetone	<10	NR	7/13/10	Tetrachloromethane	< 0.5	NR	7/13/10
Benzene	< 0.5	5	7/13/10	Tetrahydrofuran	<10	NR	7/13/10
Bromobenzene	< 0.5	NR	7/13/10	Toluene	< 0.5	1000	7/13/10
Bromochloromethane	< 0.5	NR	7/13/10	Total Trihalomethanes	8.1	80	7/13/10
Bromodichloromethane	1	80	7/13/10	Total Xylenes	< 0.5	10,000	7/13/10
Bromoform	4.3	80	7/13/10	Trans-1, 2-Dichloroethylene	< 0.5	100	7/13/10
Bromomethane	< 0.5	NR	7/13/10	Trans-1, 3-Dichloropropylene	< 0.5	NR	7/13/10
Carbon Disulfide	< 0.5	NR	7/13/10	Trichloroethylene	< 0.5	5	7/13/10
Chlorobenzene	< 0.5	100	7/13/10	Trichlorofluoromethane	< 0.5	NR	7/13/10
Chloroethane	< 0.5	NR	7/13/10	Vinyl chloride	< 0.5	2	7/13/10
Chloroform	< 0.5	80	7/13/10				
Chloromethane	< 0.5	NR	7/13/10				
				<b>DISINFECTION BY-PRODUCTS (a)</b>			
				Total Trihalomethanes	12	80	8/10/10
				Total Haloacetic Acids (5)	3.1	60	8/10/10

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

	Results	MCL	Date		Results	MCL	Date
1, 2-Dibromo-3-chloropropane (DBCP)	< 0.02	0.2	8/25/09	Endrin	< 0.1	2	8/25/09
2,4,5-TP (Silvex)	< 0.25	50	8/25/09	Ethylene dibromide (EDB)	< 0.02	0.05	8/25/09
2,4-D	< 1	70	8/25/09	Glyphosate	< 10	700	8/25/09
3-Hydroxycarbofuran	< 1	NR	8/25/09	Heptachlor	< 0.1	0.4	8/25/09
Alachlor	< 0.1	2	8/25/09	Heptachlor Epoxide	< 0.1	0.2	8/25/09
Aldicarb	< 1	NR	8/25/09	Hexachlorobenzene	< 0.1	1	8/25/09
Aldicarb Sulfone	< 1	NR	8/25/09	Hexachlorocyclopentadiene	< 0.1	50	8/25/09
Aldicarb Sulfoxide	< 1	NR	8/25/09	Lindane	< 0.1	0.2	8/25/09
Aldrin	< 0.1	NR	8/25/09	Methiocarb	< 1	7	8/25/09
Atrazine	< 0.1	3	8/25/09	Metolachlor	< 0.1	40	8/25/09
Benzo(a)pyrene	< 0.1	0.2	8/25/09	Methomyl	< 1	NR	8/25/09
Butachlor	< 0.1	NR	8/25/09	Methoxychlor	< 0.1	40	8/25/09
Carbaryl	< 1	NR	8/25/09	Metribuzin	< 0.1	NR	8/25/09
Carbofuran	< 1	40	8/25/09	Oxamyl (Vydate)	< 1	200	8/25/09
Chlordane	< 0.4	2	8/25/09	Pentachlorophenol	< 0.1	1	8/25/09
Di (2-ethylhexyl) adipate	< 1	400	8/25/09	Picloram	< 0.5	500	8/25/09
Di (2-Ethylhexyl) phthalate	< 1	6	8/25/09	Propachlor	< 0.1	NR	8/25/09
Dicamba	< 0.5	NR	8/25/09	Propoxur (Baygon)	< 1	NR	8/25/09
Dieldrin	< 0.1	NR	8/25/09	Simazine	< 0.1	4	8/25/09
Dinoseb	< 1	7	8/25/09	Toxaphene	< 2	3	8/25/09

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**INORGANIC CONTAMINANTS (b)**

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	8/25/09
Arsenic (µg/L)	< 2	10	8/25/09
Barium (mg/L)	0.011	2	8/25/09
Beryllium (µg/L)	< 2	4	8/25/09
Cadmium (µg/L)	< 2	5	8/25/09
Chromium (µg/L)	< 10	100	8/25/09
Cyanide (µg/L)	< 20	200	8/25/09
Fluoride (mg/L)	0.46	4	5/6/10
Mercury (µg/L)	< 0.2	2	8/25/09
Nickel (µg/L)	< 10	100	8/25/09
Nitrate-N (mg/L)	< 0.2	10	7/13/10
Nitrite-N (mg/L)	< 0.05	1	8/25/09
Selenium (µg/L)	< 5	50	8/25/09
Thallium (µg/L)	< 1	2	8/25/09

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

Analyte	Results	SMCL	Date
Chloride (mg/L)	296	250	9/20/10
Fluoride (mg/L)	0.46	2	5/6/10
Iron (mg/L)	< 0.01	0.3	8/25/09
Manganese (mg/L)	< 0.01	0.05	8/25/09
pH (Standard Units)	7.95	6.5 – 8.5	8/25/09
Silver (µg/L)	< 4	100	8/25/09
Sodium (mg/L)	335	100-250	8/25/09
Sulfate (mg/L)	16	250	8/25/09
Zinc (mg/L)	0.013	5	8/25/09

**RADIOLOGICAL CONTAMINANTS (b)**

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.9+/-2.4	15	5/3/10
Radium-226 (pCi/L)	0.5+/-0.2	5	5/3/10
Radium-228 (pCi/L)	0.0+/-0.8	5	5/3/10
Uranium (µg/L)	6.7+/-0.8	30	5/3/10

**FIRST DRAW LEAD AND COPPER (a)**

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	15	15	2009
Copper (mg/L) 90th percentile sample	0.084	1.3	2009

**UNREGULATED CONTAMINANTS (b)**

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	91	8/25/09
Calcium (mg/L)	22.9	8/25/09
Copper (mg/L)	0.023	8/25/09
Hydrogen Sulfide (mg/L)	<0.02	8/25/09
Lead (µg/L)	< 5	8/25/09
Magnesium (mg/L)	7.6	8/25/09
Specific Conductance (umhos/cm <sup>2</sup> )	2,000	8/25/09
Sulfide (mg/L)	<0.2	8/25/09
Total Hardness as CaCO <sub>3</sub> (mg/L)	88.5	8/25/09
Radon Gas (pCi/L)	2,020	7/26/11

Microbiological Contaminants (a)	Results	MCL
Total Coliform	Absent	≤ 1 /month
E. coli	Absent	Absent

**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 - 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)** one sample is taken every month 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    **<** Less Than

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.