

WATER QUALITY REPORT
LIBERTY TREE, RAYMOND, NH
EPA # 1972010

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	2/9/11	cis-1, 2-Dichloroethylene	< 0.5	70	2/9/11
1,1,1-Trichloroethane	< 0.5	200	2/9/11	cis-1, 3-Dichloropropylene	< 0.5	NR	2/9/11
1,1,2,2-Tetrachloroethane	< 0.5	NR	2/9/11	Dibromochloromethane	6	80	2/9/11
1,1,2-Trichloroethane	< 0.5	5	2/9/11	Dibromomethane	< 0.5	NR	2/9/11
1,1-Dichloroethane	< 0.5	NR	2/9/11	Dichlorodifluoromethane	< 0.5	NR	2/9/11
1,1-Dichloroethane	< 0.5	7	2/9/11	Diethyl ether	< 0.5	NR	2/9/11
1,1-Dichloropropylene	< 0.5	NR	2/9/11	Diisopropyl Ether (DIPE)	< 0.5	NR	2/9/11
1,2,3-Trichlorobenzene	< 0.5	NR	2/9/11	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	2/9/11
1,2,3-Trichloropropane	< 0.5	NR	2/9/11	Ethylbenzene	< 0.5	700	2/9/11
1,2,4-Trichlorobenzene	< 0.5	70	2/9/11	Hexachlorobutadiene	< 0.5	NR	2/9/11
1,2,4-Trimethylbenzene	< 0.5	NR	2/9/11	Isopropylbenzene	< 0.5	NR	2/9/11
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	2/9/11	m/p - Xylenes	< 0.5	NR	2/9/11
1,2-Dibromoethane	< 0.5	NR	2/9/11	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	2/9/11
1,2-Dichlorobenzene	< 0.5	600	2/9/11	Methylene chloride	< 0.5	5	2/9/11
1,2-Dichloroethane	< 0.5	5	2/9/11	Methyl-t-butyl-ether (MtBE)	< 0.5	13	2/9/11
1,2-Dichloropropane	< 0.5	5	2/9/11	Napthalene	< 0.5	NR	2/9/11
1,3,5-Trimethylbenzene	< 0.5	NR	2/9/11	n-Butylbenzene	< 0.5	NR	2/9/11
1,3-Dichlorobenzene	< 0.5	NR	2/9/11	Nitrobenzene	<10	NR	2/9/11
1,3-Dichloropropane	< 0.5	NR	2/9/11	n-Propylbenzene	< 0.5	NR	2/9/11
1,4-Dichlorobenzene	< 0.5	75	2/9/11	o-Xylene	< 0.5	NR	2/9/11
2,2-Dichloropropane	< 0.5	NR	2/9/11	sec Butylbenzene	< 0.5	NR	2/9/11
2-Chlorotoluene	<0.5	0.5	2/9/11	Styrene	< 0.5	100	2/9/11
2-Hexanone	<10	NR	2/9/11	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	2/9/11
4 Methyl-2-Pentanone (MIBK)	<10	NR	2/9/11	Tert-Butyl Alcohol (TBA)	<10	NR	2/9/11
4-Chlorotoluene	<0.5	0.5	2/9/11	Tert-Butylbenzene	< 0.5	NR	2/9/11
4-Isopropyltoluene	< 0.5	NR	2/9/11	Tetrachloroethylene	< 0.5	5	2/9/11
Acetone	<10	NR	2/9/11	Tetrachloromethane	< 0.5	NR	2/9/11
Benzene	< 0.5	5	2/9/11	Tetrahydrofuran	<10	NR	2/9/11
Bromobenzene	< 0.5	NR	2/9/11	Toluene	< 0.5	1000	2/9/11
Bromochloromethane	< 0.5	NR	2/9/11	Total Trihalomethanes	16.8	80	2/9/11
Bromodichloromethane	6.3	80	2/9/11	Total Xylenes	< 0.5	10,000	2/9/11
Bromoform	2.1	80	2/9/11	Trans-1, 2-Dichloroethylene	< 0.5	100	2/9/11
Bromomethane	< 0.5	NR	2/9/11	Trans-1, 3-Dichloropropylene	< 0.5	NR	2/9/11
Carbon Disulfide	< 0.5	NR	2/9/11	Trichloroethylene	< 0.5	5	2/9/11
Chlorobenzene	< 0.5	100	2/9/11	Trichlorofluoromethane	< 0.5	NR	2/9/11
Chloroethane	< 0.5	NR	2/9/11	Vinyl chloride	< 0.5	2	2/9/11
Chloroform	2.4	80	2/9/11				
Chloromethane	< 0.5	NR	2/9/11				
				DISINFECTION BY-PRODUCTS (a)			
				Total Trihalomethanes	8.1	80	8/25/10
				Haloacetic Acids	1.1	60	8/25/10

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

	Results	MCL	Date		Results	MCL	Date
1, 2-Dibromo-3-chloropropane (DBCP)	< 0.02	0.2	2/9/11	Endrin	< 0.1	2	2/9/11
2,4,5-TP (Silvex)	< 0.25	50	2/9/11	Ethylene dibromide (EDB)	< 0.02	0.05	2/9/11
2,4-D	< 1	70	2/9/11	Glyphosate	< 10	700	2/9/11
3-Hydroxycarbofuran	< 1	NR	2/9/11	Heptachlor	< 0.1	0.4	2/9/11
Alachlor	< 0.1	2	2/9/11	Heptachlor Epoxide	< 0.1	0.2	2/9/11
Aldicarb	< 1	NR	2/9/11	Hexachlorobenzene	< 0.1	1	2/9/11
Aldicarb Sulfone	< 1	NR	2/9/11	Hexachlorocyclopentadiene	< 0.1	50	2/9/11
Aldicarb Sulfoxide	< 1	NR	2/9/11	Lindane	< 0.1	0.2	2/9/11
Aldrin	< 0.1	NR	2/9/11	Methiocarb	< 1	7	2/9/11
Atrazine	< 0.1	3	2/9/11	Metolachlor	< 0.1	40	2/9/11
Benzo(a)pyrene	< 0.1	0.2	2/9/11	Methomyl	< 1	NR	2/9/11
Butachlor	< 0.1	NR	2/9/11	Methoxychlor	< 0.1	40	2/9/11
Carbaryl	< 1	NR	2/9/11	Metribuzin	< 0.1	NR	2/9/11
Carbofuran	< 1	40	2/9/11	Oxamyl (Vydate)	< 1	200	2/9/11
Chlordane	< 0.4	2	2/9/11	Pentachlorophenol	< 0.1	1	2/9/11
Di (2-ethylhexyl) adipate	< 1	400	2/9/11	Picloram	< 0.5	500	2/9/11
Di (2-Ethylhexyl) phthalate	< 1	6	2/9/11	Propachlor	< 0.1	NR	2/9/11
Dicamba	< 0.5	NR	2/9/11	Propoxur (Baygon)	< 1	NR	2/9/11
Dieldrin	< 0.1	NR	2/9/11	Simazine	< 0.1	4	2/9/11
Dinoseb	< 1	7	2/9/11	Toxaphene	< 2	3	2/9/11

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	2/2/10
Arsenic (µg/L)	< 2	10	2/2/10
Barium (mg/L)	0.021	2	2/2/10
Beryllium (µg/L)	< 2	4	2/2/10
Cadmium (µg/L)	< 2	5	2/2/10
Chromium (µg/L)	< 10	100	2/2/10
Cyanide (µg/L)	< 20	200	2/2/10
Fluoride (mg/L)	0.35	4	2/2/10
Mercury (µg/L)	<0.1	2	2/2/10
Nickel (µg/L)	< 10	100	2/2/10
Nitrate-N (mg/L)	< 0.2	10	2/9/11
Nitrite-N (mg/L)	< 0.05	1	2/2/10
Selenium (µg/L)	< 5	50	2/2/10
Thallium (µg/L)	< 1	2	2/2/10

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 5	15	2009
Copper (mg/L) 90th percentile sample	0.05	1.3	2009

Microbiological Contaminants (a)

	Results	MCL
Total Coliform	Absent	≤1/month
E. coli	Absent	Absent

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	95	250	7/21/10
Fluoride (mg/L)	0.35	2	2/2/10
Iron (mg/L)	0.026	0.3	7/21/10
Manganese (mg/L)	0.044	0.05	7/21/10
pH (Standard Units)	7.83	6.5 – 8.5	7/21/10
Silver (µg/L)	< 4	100	2/2/10
Sodium (mg/L)	79.1	100-250	2/2/10
Sulfate (mg/L)	19	250	2/2/10
Zinc (mg/L)	0.017	5	2/2/10

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	< 2.9	15	10/25/06
Radon Gas (pCi/L)	1,310	None	4/21/10
Radium-226 (pCi/L)	0.3	5	10/25/06
Radium-228 (pCi/L)	0.6	5	10/25/06
Uranium (µg/L)	3.8	30	10/25/06

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	120	7/21/10
Calcium (mg/L)	32.2	7/21/10
Copper (mg/L)	< 0.01	2/2/10
Hardness, Total as CaCO ₃ (mg/L)	132	7/21/10
Hydrogen Sulfide (mg/L)	0.02	2/2/10
Lead (µg/L)	< 5	2/2/10
Magnesium (mg/L)	5.3	2/2/10
Specific Conductance (umhos/cm ²)	513	2/2/10
Sulfide (mg/L)	0.2	2/2/10

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two bedrock wells.

Treatment: Chlorination to kill bacteria and softening to reduce water hardness.

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) 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 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.