

WATER QUALITY REPORT
SPRUCE POND, WINDHAM, NH
EPA # 2542180

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	10/27/11	Dibromochloromethane	12	80	12/7/11
1,1,1-Trichloroethane	< 0.5	200	10/27/11	Dibromomethane	< 0.5	NR	10/27/11
1,1,2,2-Tetrachloroethane	< 0.5	NR	10/27/11	Dichlorodifluoromethane	< 0.5	NR	10/27/11
1,1,2-Trichloroethane	< 0.5	5	10/27/11	Diethyl ether	< 0.5	NR	10/27/11
1,1-Dichloroethane	< 0.5	NR	10/27/11	Diisopropyl Ether (DIPE)	< 0.5	NR	10/27/11
1,1-Dichloroethane	< 0.5	7	10/27/11	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	10/27/11
1,1-Dichloropropylene	< 0.5	NR	10/27/11	Ethylbenzene	< 0.5	700	10/27/11
1,2,3-Trichlorobenzene	< 0.5	NR	10/27/11	Hexachlorobutadiene	< 0.5	NR	10/27/11
1,2,3-Trichloropropane	< 0.5	NR	10/27/11	Isopropylbenzene	< 0.5	NR	10/27/11
1,2,4-Trichlorobenzene	< 0.5	70	10/27/11	m/p - Xylenes	< 0.5	NR	10/27/11
1,2,4-Trimethylbenzene	< 0.5	NR	10/27/11	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	10/27/11
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	10/27/11	Methylene chloride	< 0.5	5	10/27/11
1,2-Dibromoethane	< 0.5	NR	10/27/11	Methyl-t-butyl-ether (MtBE)	0.6	13	10/27/11
1,2-Dichlorobenzene	< 0.5	600	10/27/11	Napthalene	< 0.5	NR	10/27/11
1,2-Dichloroethane	< 0.5	5	10/27/11	n-Butylbenzene	< 0.5	NR	10/27/11
1,2-Dichloropropane	< 0.5	5	10/27/11	Nitrobenzene	<10	NR	10/27/11
1,3,5-Trimethylbenzene	< 0.5	NR	10/27/11	n-Propylbenzene	< 0.5	NR	10/27/11
1,3-Dichlorobenzene	< 0.5	NR	10/27/11	o-Xylene	< 0.5	NR	10/27/11
1,3-Dichloropropane	< 0.5	NR	10/27/11	sec Butylbenzene	< 0.5	NR	10/27/11
1,4-Dichlorobenzene	< 0.5	75	10/27/11	Styrene	< 0.5	100	10/27/11
2,2-Dichloropropane	< 0.5	NR	10/27/11	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	10/27/11
2-Chlorotoluene	<0.5	0.5	10/27/11	Tert-Butyl Alcohol (TBA)	<10	NR	10/27/11
2-Hexanone	<10	NR	10/27/11	Tert-Butylbenzene	< 0.5	NR	10/27/11
4 Methyl-2-Pentanone (MIBK)	<10	NR	10/27/11	Tetrachloroethylene	< 0.5	5	10/27/11
4-Chlorotoluene	<0.5	0.5	10/27/11	Tetrachloromethane	< 0.5	NR	10/27/11
4-Isopropyltoluene	< 0.5	NR	10/27/11	Tetrahydrofuran	<10	NR	10/27/11
Acetone	<10	NR	10/27/11	Toluene	< 0.5	1000	10/27/11
Benzene	< 0.5	5	10/27/11	Total Trihalomethanes	27.7	80	12/7/11
Bromobenzene	< 0.5	NR	10/27/11	Total Xylenes	< 0.5	10,000	10/27/11
Bromochloromethane	< 0.5	NR	10/27/11	Trans-1, 2-Dichloroethylene	< 0.5	100	10/27/11
Bromodichloromethane	3.7	80	12/7/11	Trans-1, 3-Dichloropropylene	< 0.5	NR	10/27/11
Bromoform	12	80	12/7/11	Trichloroethylene	< 0.5	5	10/27/11
Bromomethane	< 0.5	NR	10/27/11	Trichlorofluoromethane	< 0.5	NR	10/27/11
Carbon Disulfide	< 0.5	NR	10/27/11	Vinyl chloride	< 0.5	2	10/27/11
Chlorobenzene	< 0.5	100	10/27/11	DISINFECTION BY-PRODUCTS (a) - 34 Dustin Road			
Chloroethane	< 0.5	NR	10/27/11	Total Trihalomethanes	41	80	1/3/12
Chloroform	< 0.5	80	12/7/11	Haloacetic Acids	11	60	1/3/12
Chloromethane	< 0.5	NR	10/27/11	DISINFECTION BY-PRODUCTS (a) - 9 Dustin Road			
cis-1, 2-Dichloroethylene	< 0.5	70	10/27/11	Total Trihalomethanes	33	80	1/3/12
cis-1, 3-Dichloropropylene	< 0.5	NR	10/27/11	Haloacetic Acids	14	60	1/3/12

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1, 2-Dibromo-3-chloropropane (DBCP)	< 0.02	0.2	12/3/08	Endrin	< 0.1	2	12/3/08
2,4,5-TP (Silvex)	< 0.25	50	12/3/08	Ethylene dibromide (EDB)	< 0.02	0.05	12/3/08
2,4-D	< 1	70	12/3/08	Glyphosate	< 10	700	12/3/08
3-Hydroxycarbofuran	< 1	NR	12/3/08	Heptachlor	< 0.1	0.4	12/3/08
Alachlor	< 0.1	2	12/3/08	Heptachlor Epoxide	< 0.1	0.2	12/3/08
Aldicarb	< 1	NR	12/3/08	Hexachlorobenzene	< 0.1	1	12/3/08
Aldicarb Sulfone	< 1	NR	12/3/08	Hexachlorocyclopentadiene	< 0.1	50	12/3/08
Aldicarb Sulfoxide	< 1	NR	12/3/08	Lindane	< 0.1	0.2	12/3/08
Aldrin	< 0.1	NR	12/3/08	Methiocarb	< 1	7	12/3/08
Atrazine	< 0.1	3	12/3/08	Metolachlor	< 0.1	40	12/3/08
Benzo(a)pyrene	< 0.1	0.2	12/3/08	Methomyl	< 1	NR	12/3/08
Butachlor	< 0.1	NR	12/3/08	Methoxychlor	< 0.1	40	12/3/08
Carbaryl	< 1	NR	12/3/08	Metribuzin	< 0.1	NR	12/3/08
Carbofuran	< 1	40	12/3/08	Oxamyl (Vydate)	< 1	200	12/3/08
Chlordane	< 0.4	2	12/3/08	Pentachlorophenol	< 0.1	1	12/3/08
Di (2-ethylhexyl) adipate	< 1	400	12/3/08	Picloram	< 0.5	500	12/3/08
Di (2-Ethylhexyl) phthalate	< 1	6	12/3/08	Propachlor	< 0.1	NR	12/3/08
Dicamba	< 0.5	NR	12/3/08	Propoxur (Baygon)	< 1	NR	12/3/08
Dieldrin	< 0.1	NR	12/3/08	Simazine	< 0.1	4	12/3/08
Dinoseb	< 1	7	12/3/08	Toxaphene	< 2	3	12/3/08

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INORGANIC CONTAMINANTS (b)

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	12/15/09
Arsenic (µg/L)	< 2	10	12/15/09
Barium (mg/L)	< 0.01	2	12/15/09
Beryllium (µg/L)	< 2	4	12/15/09
Cadmium (µg/L)	< 2	5	12/15/09
Chromium (µg/L)	< 10	100	12/15/09
Cyanide (µg/L)	< 20	200	12/15/09
Fluoride (mg/L)	0.54	4	12/15/09
Mercury (µg/L)	<0.1	2	12/15/09
Nickel (µg/L)	< 10	100	12/15/09
Nitrate-N (mg/L)	<0.20	10	10/27/11
Nitrite-N (mg/L)	< 0.05	1	12/15/09
Selenium (µg/L)	< 5	50	12/15/09
Thallium (µg/L)	< 1	2	12/15/09

Analyte	Results	SMCL	Date
Chloride (mg/L)	193	250	12/6/11
Fluoride (mg/L)	0.54	2	12/15/09
Iron (mg/L)	0.094	0.3	7/18/11
Manganese (mg/L)	0.021	0.05	7/18/11
pH (Standard Units)	7.52	6.5 – 8.5	12/15/09
Silver (µg/L)	< 4	100	12/15/09
Sodium (mg/L)	160	100-250	12/6/11
Sulfate (mg/L)	18	250	12/15/09
Zinc (mg/L)	0.062	5	12/15/09

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.6	15	12/6/07
Radon Gas (pCi/L)	472	None	4/19/11
Radium-226 (pCi/L)	1.2	5	12/6/07
Radium-228 (pCi/L)	< 0.7	5	12/6/07
Uranium (µg/L)	2	30	12/6/07

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 5	15	2010
Copper (mg/L) 90th percentile sample	0.047	1.3	2010

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	82	12/15/09
Calcium (mg/L)	8.3	7/18/11
Copper (mg/L)	< 0.01	12/15/09
Hardness, Total as CaCO ₃ (mg/L)	20.7	7/18/11
Hydrogen Sulfide (mg/L)	<0.02	12/15/09
Lead (µg/L)	< 5	12/15/09
Magnesium (mg/L)	< 1	7/18/11
Specific Conductance (umhos/cm ²)	1320	12/15/09
Sulfide (mg/L)	<0.2	12/15/09
Total Phosphate as P	0.16	07/18/11

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

Water Source: Two bedrock wells. Well # 1 is located 25 feet southeast of the pump station, is 356 feet deep and yields 15 gallons per minute. Well # 2 is located 54 feet southwest of the pump station, is 305 feet deep and yields 25 gallons per minute.

Treatment: Softening to reduce water hardness, iron, and manganese; Chlorine for disinfection; and phosphates for corrosion control and iron and manganese sequestration.

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 **<** 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.