

WATER QUALITY REPORT
NESENKEAG, LONDONDERRY, NH
EPA # 1392240

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	11/3/10	cis-1, 2-Dichloroethylene	< 0.5	70	11/3/10
1,1,1-Trichloroethane	< 0.5	200	11/3/10	cis-1, 3-Dichloropropylene	< 0.5	NR	11/3/10
1,1,2,2-Tetrachloroethane	< 0.5	NR	11/3/10	Dibromochloromethane	2.8	80	11/3/10
1,1,2-Trichloroethane	< 0.5	5	11/3/10	Dibromomethane	< 0.5	NR	11/3/10
1,1-Dichloroethane	< 0.5	NR	11/3/10	Dichlorodifluoromethane	< 0.5	NR	11/3/10
1,1-Dichloroethane	< 0.5	7	11/3/10	Diethyl ether	< 0.5	NR	11/3/10
1,1-Dichloropropylene	< 0.5	NR	11/3/10	Diisopropyl Ether (DIPE)	< 0.5	NR	11/3/10
1,2,3-Trichlorobenzene	< 0.5	NR	11/3/10	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	11/3/10
1,2,3-Trichloropropane	< 0.5	NR	11/3/10	Ethylbenzene	< 0.5	700	11/3/10
1,2,4-Trichlorobenzene	< 0.5	70	11/3/10	Hexachlorobutadiene	< 0.5	NR	11/3/10
1,2,4-Trimethylbenzene	< 0.5	NR	11/3/10	Isopropylbenzene	< 0.5	NR	11/3/10
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	11/3/10	m/p - Xylenes	< 0.5	NR	11/3/10
1,2-Dibromoethane	< 0.5	NR	11/3/10	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	11/3/10
1,2-Dichlorobenzene	< 0.5	600	11/3/10	Methylene chloride	< 0.5	5	11/3/10
1,2-Dichloroethane	< 0.5	5	11/3/10	Methyl-t-butyl-ether (MtBE)	< 0.5	13	11/3/10
1,2-Dichloropropane	< 0.5	5	11/3/10	Napthalene	< 0.5	NR	11/3/10
1,3,5-Trimethylbenzene	< 0.5	NR	11/3/10	n-Butylbenzene	< 0.5	NR	11/3/10
1,3-Dichlorobenzene	< 0.5	NR	11/3/10	Nitrobenzene	<10	NR	11/3/10
1,3-Dichloropropane	< 0.5	NR	11/3/10	n-Propylbenzene	< 0.5	NR	11/3/10
1,4-Dichlorobenzene	< 0.5	75	11/3/10	o-Xylene	< 0.5	NR	11/3/10
2,2-Dichloropropane	< 0.5	NR	11/3/10	sec Butylbenzene	< 0.5	NR	11/3/10
2-Chlorotoluene	<0.5	0.5	11/3/10	Styrene	< 0.5	100	11/3/10
2-Hexanone	<10	NR	11/3/10	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	11/3/10
4 Methyl-2-Pentanone (MIBK)	<10	NR	11/3/10	Tert-Butyl Alcohol (TBA)	<10	NR	11/3/10
4-Chlorotoluene	<0.5	0.5	11/3/10	Tert-Butylbenzene	< 0.5	NR	11/3/10
4-Isopropyltoluene	< 0.5	NR	11/3/10	Tetrachloroethylene	< 0.5	5	11/3/10
Acetone	<10	NR	11/3/10	Tetrachloromethane	< 0.5	NR	11/3/10
Benzene	< 0.5	5	11/3/10	Tetrahydrofuran	<10	NR	11/3/10
Bromobenzene	< 0.5	NR	11/3/10	Toluene	< 0.5	1000	11/3/10
Bromochloromethane	< 0.5	NR	11/3/10	Total Xylenes	< 0.5	10,000	11/3/10
Bromodichloromethane	2.9	80	11/3/10	Trans-1, 2-Dichloroethylene	< 0.5	100	11/3/10
Bromoform	0.7	80	11/3/10	Trans-1, 3-Dichloropropylene	< 0.5	NR	11/3/10
Bromomethane	< 0.5	NR	11/3/10	Trichloroethylene	< 0.5	5	11/3/10
Carbon Disulfide	< 0.5	NR	11/3/10	Trichlorofluoromethane	< 0.5	NR	11/3/10
Chlorobenzene	< 0.5	100	11/3/10	Vinyl chloride	< 0.5	2	11/3/10
Chloroethane	< 0.5	NR	11/3/10	DISINFECTION BY-PRODUCTS (a)			
Chloroform	1.9	80	11/3/10	Total Trihalomethanes	5.5	80	8/4/10
Chloromethane	< 0.5	NR	11/3/10	Haloacetic Acids	< 1	60	8/4/10

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	11/1/07	Endrin	< 0.1	2	11/1/07
2,4,5-TP (Silvex)	< 0.25	50	11/1/07	Ethylene dibromide (EDB)	< 0.02	0.05	11/1/07
2,4-D	< 1	70	11/1/07	Glyphosate	< 10	700	11/1/07
3-Hydroxycarbofuran	< 1	NR	11/1/07	Heptachlor	< 0.1	0.4	11/1/07
Alachlor	< 0.1	2	11/1/07	Heptachlor Epoxide	< 0.1	0.2	11/1/07
Aldicarb	< 1	NR	11/1/07	Hexachlorobenzene	< 0.1	1	11/1/07
Aldicarb Sulfone	< 1	NR	11/1/07	Hexachlorocyclopentadiene	< 0.1	50	11/1/07
Aldicarb Sulfoxide	< 1	NR	11/1/07	Lindane	< 0.1	0.2	11/1/07
Aldrin	< 0.1	NR	11/1/07	Methiocarb	< 1	7	11/1/07
Atrazine	< 0.1	3	11/1/07	Metolachlor	< 0.1	40	11/1/07
Benzo(a)pyrene	< 0.1	0.2	11/1/07	Methomyl	< 1	NR	11/1/07
Butachlor	< 0.1	NR	11/1/07	Methoxychlor	< 0.1	40	11/1/07
Carbaryl	< 1	NR	11/1/07	Metribuzin	< 0.1	NR	11/1/07
Carbofuran	< 1	40	11/1/07	Oxamyl (Vydate)	< 1	200	11/1/07
Chlordane	< 0.4	2	11/1/07	Pentachlorophenol	< 0.1	1	11/1/07
Di (2-ethylhexyl) adipate	< 1	400	11/1/07	Picloram	< 0.5	500	11/1/07
Di (2-Ethylhexyl) phthalate	< 1	6	11/1/07	Propachlor	< 0.1	NR	11/1/07
Dicamba	< 0.5	NR	11/1/07	Propoxur (Baygon)	< 1	NR	11/1/07
Dieldrin	< 0.1	NR	11/1/07	Simazine	< 0.1	4	11/1/07
Dinoseb	< 1	7	11/1/07	Toxaphene	< 2	3	11/1/07

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	10/9/08
Arsenic (µg/L)	<2	10	12/3/08
Barium (mg/L)	< 0.01	2	10/9/08
Beryllium (µg/L)	< 2	4	10/9/08
Cadmium (µg/L)	< 2	5	10/9/08
Chromium (µg/L)	< 10	100	10/9/08
Cyanide (µg/L)	< 20	200	10/9/08
Fluoride (mg/L)	0.52	4	10/9/08
Mercury (µg/L)	<0.1	2	10/9/08
Nickel (µg/L)	< 10	100	10/9/08
Nitrate-N (mg/L)	<0.20	10	11/3/10
Nitrite-N (mg/L)	<0.050	1	10/9/08
Selenium (µg/L)	< 5	50	10/9/08
Thallium (µg/L)	< 1	2	10/9/08

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	0.2	1.3	2009

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	32	250	10/9/08
Fluoride (mg/L)	0.52	2	10/9/08
Iron (mg/L)	0.099	0.3	10/9/08
Manganese (mg/L)	0.049	0.05	10/9/08
pH (Standard Units)	7.35	6.5 – 8.5	10/9/08
Silver (µg/L)	< 4	100	10/9/08
Sodium (mg/L)	32.1	100-250	10/9/08
Sulfate (mg/L)	20.5	250	10/9/08
Zinc (mg/L)	0.011	5	10/9/08

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.6	15	6/8/06
Radon Gas (pCi/L)	4,210	None	5/5/10
Radium-226 (pCi/L)	0.3	5	6/8/06
Radium-228 (pCi/L)	< 0.6	5	6/8/06
Uranium (µg/L)	6.5	30	6/8/06

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	104	10/9/08
Calcium (mg/L)	30.6	10/9/08
Copper (mg/L)	<0.01	10/9/08
Hardness, Total as CaCO ₃ (mg/L)	93.7	10/9/08
Hydrogen Sulfide (mg/L)	0.26	10/9/08
Lead (µg/L)	< 5	10/9/08
Magnesium (mg/L)	4.2	10/9/08
Specific Conductance (umhos/cm ²)	371	10/9/08
Sulfide (mg/L)	0.8	10/9/08

Microbiological Contaminants (a)	Results	MCL
Total Coliform	Absent	<5%/month
E. coli	Absent	Absent

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two bedrock wells. Well # 1 is located 960 feet northwest of the pump house. Well # 2 is located 280 feet northwest of the pump house.

Treatment: Chlorination to kill bacteria; softening to reduce hardness, iron and manganese; polyphosphate to sequester iron and manganese and reduce corrosion; pH adjustment using potassium carbonate to aid in corrosion control.

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) 1 sample is taken from the distribution system every month

(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

If you have any questions about this report, or about your water quality, please call 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.