

**WATER QUALITY REPORT**  
**SOUHEGAN WOODS, AMHERST, NH**  
**EPA # 0072070**

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	8/5/20	Chloroform	<0.5	80	8/5/20
1,1,1-Trichloroethane	< 0.5	200	8/5/20	Chloromethane	< 0.5	NR	8/5/20
1,1,2,2-Tetrachloroethane	< 0.5	NR	8/5/20	cis-1, 2-Dichloroethylene	< 0.5	70	8/5/20
1,1,2-Trichloroethane	< 0.5	5	8/5/20	cis-1, 3-Dichloropropylene	< 0.5	NR	8/5/20
1,1-Dichloroethane	< 0.5	NR	8/5/20	Dibromochloromethane	1.6	80	8/5/20
1,1-Dichloroethylene	< 0.5	7	8/5/20	Dibromomethane	< 0.5	NR	8/5/20
1,1-Dichloropropylene	< 0.5	NR	8/5/20	Dichlorodifluoromethane	< 0.5	NR	8/5/20
1,2,3-Trichlorobenzene	< 0.5	NR	7/19/17	Diethyl ether	< 0.5	NR	8/5/20
1,2,3-Trichloropropane	< 0.5	NR	8/5/20	Diisopropyl Ether (DIPE)	< 0.5	NR	8/5/20
1,2,4-Trichlorobenzene	< 0.5	70	8/5/20	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	8/5/20
1,2,4-Trimethylbenzene	< 0.5	NR	8/5/20	Ethylbenzene	< 0.5	700	8/5/20
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	8/5/20	Hexachlorobutadiene	< 0.5	NR	8/5/20
1,2-Dibromoethane	< 0.5	NR	8/5/20	Isopropylbenzene	< 0.5	NR	8/5/20
1,2-Dichlorobenzene	< 0.5	600	8/5/20	m/p - Xylenes	< 1	NR	8/5/20
1,2-Dichloroethane	< 0.5	5	8/5/20	Methylene chloride	< 0.5	5	8/5/20
1,2-Dichloropropane	< 0.5	5	7/19/17	Methyl-t-butyl-ether (MtBE)	< 0.5	13	8/5/20
1,3,5-Trimethylbenzene	< 0.5	NR	8/5/20	Napthalene	< 0.5	NR	8/5/20
1,3-Dichlorobenzene	< 0.5	NR	8/5/20	n-Butylbenzene	< 0.5	NR	8/5/20
1,3-Dichloropropane	< 0.5	NR	8/5/20	Nitrobenzene	<10	NR	7/19/17
1,4-Dichlorobenzene	< 0.5	75	8/5/20	n-Propylbenzene	< 0.5	NR	8/5/20
2,2-Dichloropropane	< 0.5	NR	7/19/17	o-Xylene	< 0.5	NR	8/5/20
2-Butanone (MEK)	<10	NR	7/19/17	sec Butylbenzene	< 0.5	NR	8/5/20
2-Chlorotoluene	<0.5	0.5	8/5/20	Styrene	< 0.5	100	8/5/20
2-Hexanone	<10	NR	7/19/17	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	8/5/20
4 Methyl-2-Pentanone (MIBK)	<10	NR	7/19/17	Tert-Butyl Alcohol (TBA)	<10	NR	8/5/20
4-Chlorotoluene	<0.5	0.5	8/5/20	Tert-Butylbenzene	< 0.5	NR	8/5/20
4-Isopropyltoluene	< 0.5	NR	8/5/20	Tetrachloroethylene	< 0.5	5	8/5/20
Acetone	<10	NR	7/19/17	Tetrachloromethane	< 0.5	NR	7/19/17
Benzene	< 0.5	5	8/5/20	Tetrahydrofuran	<10	NR	8/5/20
Bromobenzene	< 0.5	NR	8/5/20	Toluene	< 0.5	1000	8/5/20
Bromochloromethane	< 0.5	NR	8/5/20	Total Trihalomethanes	3.4	80	8/5/20
Bromodichloromethane	0.9	80	8/5/20	Total Xylenes	< 0.5	10,000	8/5/20
Bromoform	0.9	80	8/5/20	Trans-1, 2-Dichloroethylene	< 0.5	100	8/5/20
Bromomethane	< 0.5	NR	8/5/20	Trans-1, 3-Dichloropropylene	< 0.5	NR	8/5/20
Carbon Disulfide	< 0.5	NR	8/5/20	Trichloroethylene	< 0.5	5	8/5/20
Carbon Tetrachloride	< 0.5	5	8/5/20	Trichlorofluoromethane	< 0.5	NR	8/5/20
Chlorobenzene	< 0.5	100	8/5/20	Vinyl chloride	< 0.5	2	8/5/20
Chloroethane	<0.5	NR	7/19/17				

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	7/19/17	Heptachlor	< 0.1	0.4	7/19/17
2,4-D	< 1	70	7/19/17	Heptachlor Epoxide	< 0.1	0.2	7/19/17
3-Hydroxycarbofuran	< 1	NR	7/19/17	Hexachlorobenzene	< 0.1	1	7/19/17
Alachlor	< 0.1	2	7/19/17	Hexachlorocyclopentadiene	< 0.1	50	7/19/17
Aldicarb	< 1	NR	7/19/17	Lindane	< 0.1	0.2	7/19/17
Aldicarb Sulfone	< 1	NR	7/19/17	Methiocarb	< 1	7	7/19/17
Aldicarb Sulfoxide	< 1	NR	7/19/17	Methomyl	< 1	NR	7/19/17
Aldrin	< 0.1	NR	7/19/17	Methoxychlor	< 0.1	40	7/19/17
Atrazine	< 0.1	3	7/19/17	Metolachlor	< 0.1	40	7/19/17
Benzo(a)pyrene	< 0.1	0.2	7/19/17	Metribuzin	< 0.1	NR	7/19/17

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Butachlor	< 0.1	NR	7/19/17
Carbaryl	< 1	NR	7/19/17
Carbofuran	< 1	40	7/19/17
Chlordane	< 0.4	2	7/19/17
Dalapon	< 1	200	7/19/17
Di (2-ethylhexyl) adipate	< 1	400	7/19/17
Di (2-Ethylhexyl) phthalate	< 1	6	7/19/17
Dicamba	< 0.5	NR	7/19/17
Dieldrin	< 0.1	NR	7/19/17
Dinoseb	< 1	7	7/19/17
Diquat		20	
Endrin	< 0.1	2	7/19/17
Ethylene dibromide (EDB)	< 0.02	0.05	7/19/17
Glyphosate	< 10	700	7/19/17

Oxamyl (Vydate)	< 1	200	7/19/17
PCB Aroclor 1016	< 0.2	NR	7/19/17
PCB Aroclor 1221	< 0.2	NR	7/19/17
PCB Aroclor 1232	< 0.2	NR	7/19/17
PCB Aroclor 1242	< 0.2	NR	7/19/17
PCB Aroclor 1248	< 0.2	NR	7/19/17
PCB Aroclor 1254	< 0.2	NR	7/19/17
PCB Aroclor 1260	< 0.2	NR	7/19/17
Pentachlorophenol	< 0.1	1	7/19/17
Picloram	< 0.5	500	7/19/17
Propachlor	< 0.1	NR	7/19/17
Propoxur (Baygon)	< 1	NR	7/19/17
Simazine	< 0.1	4	7/19/17
Toxaphene	< 2	3	7/19/17

**RADIOLOGICAL CONTAMINANTS (b)**

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	< 3	15	7/18/16
Radium 226 & 228 (pCi/L)	< 1	5	7/18/16
Uranium (µg/L)	< 1	30	7/18/16

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

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	0	15	2019
Copper (mg/L) 90th percentile sample	0.46	1.3	2019

**INORGANIC CONTAMINANTS (b)**

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	7/7/21
Arsenic (mg/L)	<0.001	0.01	7/7/21
Barium (mg/L)	0.0134	2	7/7/21
Beryllium (mg/L)	<0.001	0.004	7/7/21
Cadmium (mg/L)	<0.001	0.005	7/7/21
Chromium (mg/L)	<0.001	0.1	7/7/21
Fluoride (mg/L)	< 0.2	4	7/7/21
Mercury (mg/L)	<0.0001	0.002	7/7/21
Nitrate-N (mg/L)	1.34	10	7/7/21
Nitrite-N (mg/L)	< 0.2	1	7/7/21
Selenium (mg/L)	<0.001	0.05	7/7/21
Thallium (mg/L)	<0.001	0.002	7/7/21
Cyanide (mg/L)	<0.02	0.2	

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

Analyte	Results	SMCL	Date
Chloride (mg/L)	47	250	7/7/21
Fluoride (mg/L)	< 0.2	2	7/7/21
Iron (mg/L)	0.013	0.3	7/7/21
Manganese (mg/L)	0.0069	0.05	7/7/21
pH (Standard Units)	7.38	6.5 – 8.5	7/7/21
Sulfate (mg/L)	5	250	7/7/21
Zinc (mg/L)	0.003	5	7/7/21

**Microbiological Contaminants (a)**

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

**DISINFECTION BY-PRODUCTS (a)**

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	2.9	80	7/26/22
Haloacetic Acids (µg/L)	<1	60	7/26/22

**UNREGULATED CONTAMINANTS (b)**

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	97	9/6/18
Calcium (mg/L)	7.9	7/7/21
Copper (mg/L)	0.0016	7/7/21
Hardness, Total as CaCO <sub>3</sub> (mg/L)	27.7	9/6/18
Magnesium (mg/L)	1.4	7/7/21
Nickel (mg/L)	<0.001	7/7/21

**Perfluorinated Chemicals (PFCs)**

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	2.8	NR	12/19/18
Perfluoroheptanoic acid (PFHpA) (ng/L)	< 1.82	NR	12/19/18

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Perfluorohexanesulfonic acid (PFHxS) (ng/L)	< 1.82	18ppt	12/19/18	Radon Gas (pCi/L)	258	1/5/22
Perfluorononanoic acid (PFNA) (ng/L)	< 1.82	11ppt	12/19/18	Sodium (mg/L)	28.8	7/7/21
Perfluorooctane sulfonate (PFOS) (ng/L)	< 1.82	70*	12/19/18			
Perfluorooctanoic acid (PFOA) (ng/L)	6.72		12/19/18			

\*PFOS + PFOA can not exceed 70 ng/L

**SOURCE WATER AND TREATMENT INFORMATION**

**Water Source:** One well which is supplemented by an interconnection with the Town of Merrimack.

**Treatment:** Chlorine to kill bacteria, Zinc Orthophosphate to inhibit corrosion, and Sodium Hydroxide to raise the pH to 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.

**(a\*)** one sample taken monthly 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.

**ng/L** nanograms per Liter or parts per trillion.

**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.