

WATER QUALITY REPORT
PEU/Thurston Woods, Lee, NH
VOLATILE ORGANIC COMPOUNDS (b) (Units µg/L)

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	4/7/20	Chloroform	1	NR	4/7/20
1,1,1-Trichloroethane	< 0.5	NR	4/7/20	Chloromethane	< 0.5	NR	4/7/20
1,1,2,2-Tetrachloroethane	< 0.5	NR	4/7/20	cis-1, 2-Dichloroethylene	< 0.5	NR	4/7/20
1,1,2-Trichloroethane	< 0.5	NR	4/7/20	cis-1, 3-Dichloropropylene	< 0.5	NR	4/7/20
1,1-Dichloroethane	< 0.5	NR	4/7/20	Dibromochloromethane	0.7	NR	4/7/20
1,1-Dichloroethylene	< 0.5	NR	4/7/20	Dibromomethane	< 0.5	NR	4/7/20
1,1-Dichloropropylene	< 0.5	NR	4/7/20	Dichlorodifluoromethane	< 0.5	NR	4/7/20
1,2,3-Trichlorobenzene	< 0.5	NR	4/7/20	Diethyl ether	< 0.5	NR	4/7/20
1,2,3-Trichloropropane	< 0.5	NR	4/7/20	Diisopropyl Ether (DIPE)	< 0.5	NR	4/7/20
1,2,4-Trichlorobenzene	< 0.5	NR	4/7/20	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	4/7/20
1,2,4-Trimethylbenzene	< 0.5	NR	4/7/20	Ethylbenzene	< 0.5	NR	4/7/20
1,2-Dibromo - 3- chloropropane	< 0.5	NR	4/7/20	Hexachlorobutadiene	< 0.5	NR	4/7/20
1,2-Dibromoethane	< 0.5	NR	4/7/20	Isopropylbenzene	< 0.5	NR	4/7/20
1,2-Dichlorobenzene	< 0.5	NR	4/7/20	m/p - Xylenes	< 0.5	NR	4/7/20
1,2-Dichloroethane	< 0.5	NR	4/7/20	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	5/25/17
1,2-Dichloropropane	< 0.5	NR	4/7/20	Methylene chloride	< 0.5	NR	4/7/20
1,3,5-Trimethylbenzene	< 0.5	NR	4/7/20	Methyl-t-butyl-ether (MtBE)	< 0.5	NR	4/7/20
1,3-Dichlorobenzene	< 0.5	NR	4/7/20	Napthalene	< 0.5	NR	4/7/20
1,3-Dichloropropane	< 0.5	NR	4/7/20	n-Butylbenzene	< 0.5	NR	4/7/20
1,4-Dichlorobenzene	< 0.5	NR	4/7/20	Nitrobenzene	<10	NR	5/25/17
2,2-Dichloropropane	< 0.5	NR	5/25/17	n-Propylbenzene	< 0.5	NR	4/7/20
2-Butanone (MEK)	<10	NR	5/25/17	o-Xylene	< 0.5	NR	4/7/20
2-Chlorotoluene	<0.5	NR	4/7/20	sec Butylbenzene	< 0.5	NR	4/7/20
2-Hexanone	<10	NR	5/25/17	Styrene	< 0.5	NR	4/7/20
4 Methyl-2-Pentanone (MIBK)	<10	NR	5/25/17	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	4/7/20
4-Chlorotoluene	<0.5	NR	4/7/20	Tert-Butyl Alcohol (TBA)	<10	NR	4/7/20
4-Isopropyltoluene	< 0.5	NR	4/7/20	Tert-Butylbenzene	< 0.5	NR	4/7/20
Acetone	<10	NR	5/25/17	Tetrachloroethylene	< 0.5	NR	4/7/20
Benzene	< 0.5	NR	4/7/20	Tetrachloromethane	< 0.5	NR	5/25/17
Bromobenzene	< 0.5	NR	4/7/20	Tetrahydrofuran	<10	NR	4/7/20
Bromochloromethane	< 0.5	NR	4/7/20	Toluene	< 0.5	NR	4/7/20
Bromodichloromethane	1	NR	4/7/20	Total Trihalomethanes	2.7	NR	4/7/20
Bromoform	<0.5	NR	4/7/20	Total Xylenes	< 0.5	NR	4/7/20
Bromomethane	< 0.5	NR	4/7/20	Trans-1, 2-Dichloroethylene	< 0.5	NR	4/7/20
Carbon Disulfide	< 0.5	NR	4/7/20	Trans-1, 3-Dichloropropylene	< 0.5	NR	4/7/20
Carbon Tetrachloride	< 0.5	NR	4/7/20	Trichloroethylene	< 0.5	NR	4/7/20
Chlorobenzene	< 0.5	NR	4/7/20	Trichlorofluoromethane	< 0.5	NR	4/7/20
Chloroethane	<0.5	NR	5/25/17	Vinyl chloride	< 0.5	NR	4/7/20

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	4/7/20	Heptachlor	< 0.1	0.4	4/7/20
2,4-D	< 1	70	4/7/20	Heptachlor Epoxide	< 0.1	0.2	4/7/20
3-Hydroxycarbofuran	< 1	NR	4/7/20	Hexachlorobenzene	< 0.1	1	4/7/20
Alachlor	< 0.1	2	4/7/20	Hexachlorocyclopentadiene	< 0.1	50	4/7/20
Aldicarb	< 1	3	4/7/20	Lindane	< 0.1	0.2	4/7/20
Aldicarb Sulfone	< 1	2	4/7/20	Methiocarb	< 1	NR	4/7/20
Aldicarb Sulfoxide	< 1	4	4/7/20	Methomyl	< 1	NR	4/7/20

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Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
Aldrin	< 0.1	NR	4/7/20	Metolachlor	< 0.1	40	4/7/20
Atrazine	< 0.1	3	4/7/20	Metribuzin	< 0.1	NR	4/7/20
Benzo(a)pyrene	< 0.1	0.2	4/7/20	Oxamyl (Vydate)	< 1	200	4/7/20
Butachlor	< 0.1	NR	4/7/20	PCB Aroclor 1016	<0.2	NR	4/7/20
Carbaryl	< 1	NR	4/7/20	PCB Aroclor 1221	<0.2	NR	4/7/20
Carbofuran	< 1	40	4/7/20	PCB Aroclor 1232	<0.2	NR	4/7/20
Chlordane	< 0.4	2	4/7/20	PCB Aroclor 1242	<0.2	NR	4/7/20
Dalapon	<1	200	4/7/20	PCB Aroclor 1248	<0.2	NR	4/7/20
Di (2-ethylhexyl) adipate	< 1	400	4/7/20	PCB Aroclor 1254	<0.2	NR	4/7/20
Di (2-Ethylhexyl) phthalate	< 1	6	4/7/20	PCB Aroclor 1260	<0.2	NR	4/7/20
Dibromochloropropane (DBCP)	< 0.02	0.2	5/25/17	Pentachlorophenol	< 0.1	1	4/7/20
Dicamba	< 0.5	NR	4/7/20	Picloram	<2	500	4/7/20
Dieldrin	< 0.1	NR	4/7/20	Propachlor	< 0.1	NR	4/7/20
Dinoseb	< 1	7	4/7/20	Propoxur (Baygon)	< 1	NR	4/7/20
Diquat	<1	NR	4/7/20	Simazine	< 0.1	4	4/7/20
Endrin	< 0.1	2	4/7/20	Toxaphene	< 2	3	4/7/20
Ethylene dibromide (EDB)	< 0.02	0.05	4/7/20				
Glyphosate	< 10	700	4/7/20				

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	1.8	15	4/8/15
Radium 226 & 228 (pCi/L)	<1	5	4/7/21
Uranium (µg/L)	< 1	30	4/8/15

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	0	15	2020
Copper (mg/L) 90th percentile sample	0.072	1.3	2020

INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	7/6/22
Arsenic (mg/L)	<0.001	0.01	4/7/20
Barium (mg/L)	0.0088	2	7/6/22
Beryllium (mg/L)	<0.001	0.004	7/6/22
Cadmium (mg/L)	<0.001	0.005	7/6/22
Chromium (mg/L)	<0.001	0.1	7/6/22
Fluoride (mg/L)	< 0.2	4	7/6/22
Mercury (mg/L)	<0.0001	0.002	7/6/22
Nitrate-N (mg/L)	0.4	10	7/6/22
Nitrite-N (mg/L)	< 0.2	1	7/6/22
Selenium (mg/L)	<0.001	0.05	7/6/22
Thallium (mg/L)	<0.001	0.002	7/6/22
Cyanide (mg/L)	<0.02	0.2	7/6/22

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	34	250	7/6/22
Fluoride (mg/L)	< 0.2	2	7/6/22
Iron (mg/L)	0.013	0.3	7/6/22
Manganese (mg/L)	<0.001	0.05	7/6/22
pH (Standard Units)	7.62	6.5 – 8.5	7/6/22
Sulfate (mg/L)	60	250	7/6/22
Zinc (mg/L)	0.0016	5	7/6/22

Microbiological Contaminants (a)

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

DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	2.8	80	7/11/19
Haloacetic Acids (µg/L)	< 1	60	7/11/19

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	111	7/6/22

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EPA # 1332050

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	4.76	NR	2/12/20
Perfluoroheptanoic acid (PFHpA) (ng/L)	<2.00	NR	2/12/20
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	18ppt	2/12/20
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	11ppt	2/12/20
Perfluorooctane sulfonate (PFOS) (ng/L)	<2.00	70*	2/12/20
Perfluorooctanoic acid (PFOA) (ng/L)	<2.00		2/12/20

*PFOS + PFOA can not exceed 70 ng/L

Iron (mg/L)	46.3	7/6/22
Copper (mg/L)	<0.001	7/6/22
Hardness, Total as CaCO ₃ (mg/L)	149	7/6/22
Magnesium (mg/L)	8.1	7/6/22
Nickel (mg/L)	<0.001	7/6/22
Radon Gas (pCi/L)	811	7/6/22
Sodium (mg/L)	30	7/6/22

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two bedrock wells.

Treatment: Chlorination for disinfection, filtration to reduce arsenic, aeration to reduce radon.

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.

(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. Additional information can be found on the State's website: <http://www2.des.state.nh.us/DESOnestop/PWSDetail.aspx?ID=1332050>