

# WATER QUALITY REPORT

Gage Hill, Pelham, NH

EPA # 1852020

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	2/27/20	Chloroform	< 0.5	80	2/11/19
1,1,1-Trichloroethane	< 0.5	NR	2/27/20	Chloromethane	< 0.5	NR	2/11/19
1,1,2,2-Tetrachloroethane	< 0.5	NR	2/27/20	cis-1, 2-Dichloroethylene	< 0.5	70	2/11/19
1,1,2-Trichloroethane	< 0.5	NR	2/27/20	cis-1, 3-Dichloropropylene	< 0.5	NR	2/11/19
1,1-Dichloroethane	< 0.5	NR	2/27/20	Dibromochloromethane	1.6	80	2/11/19
1,1-Dichloroethylene	< 0.5	NR	2/27/20	Dibromomethane	< 0.5	NR	2/11/19
1,1-Dichloropropylene	< 0.5	NR	2/27/20	Dichlorodifluoromethane	< 0.5	NR	2/11/19
1,2,3-Trichlorobenzene	< 0.5	NR	2/27/20	Diethyl ether	< 0.5	NR	2/27/20
1,2,3-Trichloropropane	< 0.5	NR	2/27/20	Diisopropyl Ether (DIPE)	< 0.5	NR	2/27/20
1,2,4-Trichlorobenzene	< 0.5	NR	2/27/20	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	2/27/20
1,2,4-Trimethylbenzene	< 0.5	NR	2/27/20	Ethylbenzene	< 0.5	NR	2/27/20
1,2-Dibromo-3-chloropropane	< 0.5	NR	2/27/20	Hexachlorobutadiene	< 0.5	NR	2/27/20
1,2-Dibromoethane	< 0.5	NR	2/27/20	Isopropylbenzene	< 0.5	NR	2/27/20
1,2-Dichlorobenzene	< 0.5	NR	2/27/20	m&p - Xylenes	<1	NR	2/27/20
1,2-Dichloroethane	< 0.5	NR	2/27/20				
1,2-Dichloropropane	< 0.5	NR	2/27/20	Methylene chloride	< 0.5	NR	2/27/20
1,3,5-Trimethylbenzene	< 0.5	NR	2/27/20	Methyl-t-butyl-ether (MtBE)	< 0.5	NR	2/27/20
1,3-Dichlorobenzene	< 0.5	NR	2/27/20	Napthalene	< 0.5	NR	2/27/20
1,3-Dichloropropane	< 0.5	NR	2/27/20	n-Butylbenzene	< 0.5	NR	2/27/20
1,4-Dichlorobenzene	< 0.5	NR	2/27/20				
				n-Propylbenzene	< 0.5	NR	2/27/20
				o-Xylene	< 0.5	NR	2/27/20
2-Chlorotoluene	<0.5	NR	2/27/20	sec Butylbenzene	< 0.5	NR	2/27/20
				Styrene	< 0.5	NR	2/27/20
				Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	2/27/20
4-Chlorotoluene	<0.5	NR	2/27/20	Tert-Butyl Alcohol (TBA)	<10	NR	2/27/20
4-Isopropyltoluene	< 0.5	NR	2/27/20	Tert-Butylbenzene	< 0.5	NR	2/27/20
				Tetrachloroethylene	< 0.5	NR	2/27/20
Benzene	< 0.5		2/27/20				
Bromobenzene	< 0.5	NR	2/27/20	Tetrahydrofuran	<10	NR	2/27/20
Bromochloromethane	< 0.5	NR	2/27/20	Toluene	< 0.5	NR	2/27/20
Bromodichloromethane	0.7	NR	2/27/20	Total Trihalomethanes	3.6	NR	2/27/20
Bromoform	1.3	NR	2/27/20	Total Xylenes	< 0.5	NR	2/27/20
Bromomethane	< 0.5	NR	2/27/20	Trans-1, 2-Dichloroethylene	< 0.5	NR	2/27/20
Carbon Disulfide	< 0.5	NR	2/27/20	Trans-1, 3-Dichloropropylene	< 0.5	NR	2/27/20
Carbon Tetrachloride	< 0.5	NR	2/27/20	Trichloroethylene	< 0.5	NR	2/27/20
Chlorobenzene	< 0.5	NR	2/27/20	Trichlorofluoromethane	< 0.5	NR	2/27/20
				Vinyl chloride	< 0.5	NR	2/27/20

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	2/27/20	Heptachlor Epoxide	< 0.1	0.2	2/27/20
2,4-D	< 1	70	2/27/20	Hexachlorobenzene	< 0.1	1	2/27/20
3-Hydroxycarbofuran	< 1	NR	2/27/20	Hexachlorocyclopentadiene	< 0.1	50	2/27/20
Alachlor	< 0.1	2	2/27/20	Lindane	< 0.1	0.2	2/27/20
Aldicarb	< 1	3	2/27/20	Methiocarb	< 1	NR	2/27/20
Aldicarb Sulfone	< 1	2	2/27/20	Methomyl	< 1	NR	2/27/20
Aldicarb Sulfoxide	< 1	4	2/27/20	Methoxychlor	< 0.1	40	2/27/20
Aldrin	< 0.1	NR	2/27/20	Metolachlor	< 0.1	NR	2/27/20
Atrazine	< 0.1	3	2/27/20	Metribuzin	< 0.1	NR	2/27/20
Benzo(a)pyrene	< 0.1	0.2	2/27/20	Oxamyl (Vydate)	< 1	200	2/27/20
Butachlor	< 0.1	NR	2/27/20	PCB Aroclor 1016	<0.2	NR	2/27/20
Carbaryl	< 1	NR	2/27/20	PCB Aroclor 1221	<0.2	NR	2/27/20
Carbofuran	< 1	40	2/27/20	PCB Aroclor 1232	<0.2	NR	2/27/20
Chlordane	< 0.4	2	2/27/20	PCB Aroclor 1242	<0.2	NR	2/27/20
Dalapon	<1	200	2/27/20	PCB Aroclor 1248	<0.2	NR	2/27/20
Di (2-ethylhexyl) adipate	< 1	400	2/27/20	PCB Aroclor 1254	<0.2	NR	2/27/20
Di (2-Ethylhexyl) phthalate	< 1	6	2/27/20	PCB Aroclor 1260	<0.2	NR	2/27/20
Dibromochloropropane (DBCP)	< 0.02	0.2	3/16/17	Pentachlorophenol	< 0.1	1	2/27/20
Dicamba	< 0.5	NR	2/27/20	Picloram	<2	500	2/27/20
Dieldrin	< 0.1	NR	2/27/20	Propachlor	< 0.1	NR	2/27/20
Dinoseb	< 1	7	2/27/20	Propoxur (Baygon)	< 1	NR	2/27/20
Diquat	<1	NR	2/27/20	Simazine	< 0.1	4	2/27/20
Endrin	< 0.1	2	2/27/20	Toxaphene	< 2	3	2/27/20
Ethylene dibromide (EDB)	< 0.02	0.05	2/27/20				
Glyphosate	< 10	700	2/27/20				
Heptachlor	< 0.1	0.4	2/27/20				

## RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)

Results

MCL

Date

FIRST DRAW LEAD AND COPPER (a)

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Compliance Gross Alpha (pCi/L)	7.7+/-2.1	15	4/7/20
Radium 226 & 228 (pCi/L)	1.8	5	9/2/14
Uranium (µg/L)	12.6	30	4/7/20

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 1	15	2017
Copper (mg/L) 90th percentile sample	0.240	1.3	2017

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## INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	2/11/19
Arsenic (mg/L)	<0.001	0.01	2/11/19
Barium (mg/L)	0.0309	2	2/11/19
Beryllium (mg/L)	<0.001	0.004	2/11/19
Cadmium (mg/L)	<0.001	0.005	2/11/19
Chromium (mg/L)	<0.001	0.1	2/11/19
Fluoride (mg/L)	< 0.2	4	2/11/19
Mercury (mg/L)	<0.0001	0.002	2/11/19
Nitrate-N (mg/L)	2.84	10	2/27/20
Nitrite-N (mg/L)	< 0.2	1	2/11/19
Selenium (mg/L)	<0.001	0.05	2/11/19
Thallium (mg/L)	<0.001	0.002	2/11/19

## SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	127	250	2/11/19
Fluoride (mg/L)	< 0.2	2	2/11/19
Iron (mg/L)	0.13	0.3	2/11/19
Manganese (mg/L)	0.001	0.05	2/11/19
pH (Standard Units)	6.94	6.5 – 8.5	2/11/19
Sulfate (mg/L)	10	250	2/11/19
Zinc (mg/L)	0.44	5	2/11/19

## DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	2.2	80	7/9/19
Haloacetic Acids (µg/L)	< 1	60	7/9/19

## Microbiological Contaminants (a)

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

## Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	<2.00	NR	10/21/19
Perfluoroheptanoic acid (PFHpA) (ng/L)	2.02	NR	10/21/19
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	NR	10/21/19
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	NR	10/21/19
Perfluorooctane sulfonate (PFOS) (ng/L)	<2.00	70*	10/21/19
Perfluorooctanoic acid (PFOA) (ng/L)	6.84		10/21/19

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

## UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	28	2/11/19
Calcium (mg/L)	44.4	2/11/19
Copper (mg/L)	0.0097	2/11/19
Hardness, Total as CaCO <sub>3</sub> (mg/L)	135	2/11/19
Magnesium (mg/L)	5.96	2/11/19
Nickel (mg/L)	0.0024	2/11/19
Radon Gas (pCi/L)	718	7/9/19
Sodium (mg/L)	42.6	2/11/19

## SOURCE WATER AND TREATMENT INFORMATION

**Water Source:** One bedrock well.

**Treatment:** Chlorination to disinfect the water; packed tower aeration to reduce radon levels; phosphate addition 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.

**(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.