

# WATER QUALITY REPORT

Farmstead, Derry, NH

EPA # 0612110

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	12/4/17	Chloroform	0.5	80	12/4/17
1,1,1-Trichloroethane	< 0.5	200	12/4/17	Chloromethane	< 0.5	NR	12/4/17
1,1,2,2-Tetrachloroethane	< 0.5	NR	12/4/17	cis-1,2-Dichloroethylene	< 0.5	70	12/4/17
1,1,2-Trichloroethane	< 0.5	5	12/4/17	cis-1,3-Dichloropropylene	< 0.5	NR	12/4/17
1,1-Dichloroethane	< 0.5	NR	12/4/17	Dibromochloromethane	2.1	80	12/4/17
1,1-Dichloroethylene	< 0.5	7	12/4/17	Dibromomethane	< 0.5	NR	12/4/17
1,1-Dichloropropylene	< 0.5	NR	12/4/17	Dichlorodifluoromethane	< 0.5	NR	12/4/17
1,2,3-Trichlorobenzene	< 0.5	NR	12/4/17	Diethyl ether	< 0.5	NR	12/4/17
1,2,3-Trichloropropane	< 0.5	NR	12/4/17	Diisopropyl Ether (DIPE)	< 0.5	NR	12/4/17
1,2,4-Trichlorobenzene	< 0.5	70	12/4/17	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	12/4/17
1,2,4-Trimethylbenzene	< 0.5	NR	12/4/17	Ethylbenzene	< 0.5	700	12/4/17
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	12/4/17	Hexachlorobutadiene	< 0.5	NR	12/4/17
1,2-Dibromoethane	< 0.5	NR	12/4/17	Isopropylbenzene	< 0.5	NR	12/4/17
1,2-Dichlorobenzene	< 0.5	600	12/4/17	m/p - Xylenes	< 0.5	NR	12/4/17
1,2-Dichloroethane	< 0.5	5	12/4/17	Methylene chloride	< 0.5	5	12/4/17
1,2-Dichloropropane	< 0.5	5	12/4/17	Methyl-t-butyl-ether (MtBE)	< 0.5	13	12/4/17
1,3,5-Trimethylbenzene	< 0.5	NR	12/4/17	Naphthalene	< 0.5	NR	12/4/17
1,3-Dichlorobenzene	< 0.5	NR	12/4/17	n-Butylbenzene	< 0.5	NR	12/4/17
1,3-Dichloropropane	< 0.5	NR	12/4/17	Nitrobenzene	< 10	NR	12/4/17
1,4-Dichlorobenzene	< 0.5	75	12/4/17	n-Propylbenzene	< 0.5	NR	12/4/17
1-Butanol	3.8	NR	12/4/17	o-Xylene	< 0.5	NR	12/4/17
2,2-Dichloropropane	< 0.5	NR	12/4/17	sec Butylbenzene	< 0.5	NR	12/4/17
2-Butanone (MEK)	< 10	NR	12/4/17	Styrene	< 0.5	100	12/4/17
2-Chlorotoluene	< 0.5	0.5	12/4/17	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	12/4/17
2-Furancarboxaldehyde	1.8	NR	12/4/17	Tert-Butyl Alcohol (TBA)	22	NR	12/4/17
2-Hexanone	< 10	NR	12/4/17	Tert-Butylbenzene	< 0.5	NR	12/4/17
4 Methyl-2-Pentanone (MIBK)	< 10	NR	12/4/17	Tetrachloroethylene	< 0.5	5	12/4/17
4-Chlorotoluene	< 0.5	0.5	12/4/17	Tetrachloromethane	< 0.5	NR	12/4/17
4-Isopropyltoluene	< 0.5	NR	12/4/17	Tetrahydrofuran	< 10	NR	12/4/17
Acetone	19	NR	12/4/17	Toluene	< 0.5	1000	12/4/17
Benzene	< 0.5	5	12/4/17	Total Trihalomethanes	#REF!	80	12/4/17
Bromobenzene	< 0.5	NR	12/4/17	Total Xylenes	< 0.5	10,000	12/4/17
Bromochloromethane	< 0.5	NR	12/4/17	Trans-1,2-Dichloroethylene	< 0.5	100	12/4/17
Bromodichloromethane	1.2	80	12/4/17	Trans-1,3-Dichloropropylene	< 0.5	NR	12/4/17
Bromoform	1.6	80	12/4/17	Trichloroethylene	< 0.5	5	12/4/17
Bromomethane	< 0.5	NR	12/4/17	Trichlorofluoromethane	< 0.5	NR	12/4/17
Carbon Disulfide	< 0.5	NR	12/4/17	Vinyl chloride	< 0.5	2	12/4/17
Carbon Tetrachloride	< 0.5	5	12/4/17				
Chlorobenzene	< 0.5	100	12/4/17				
Chloroethane	< 0.5	NR	12/4/17				

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	12/4/17	Glyphosate	< 10	700	12/4/17
2,4-D	< 1	70	12/4/17	Heptachlor	< 0.1	0.4	12/4/17
3-Hydroxycarbofuran	< 1	NR	12/4/17	Heptachlor Epoxide	< 0.1	0.2	12/4/17
Alachlor	< 0.1	2	12/4/17	Hexachlorobenzene	< 0.1	1	12/4/17
Aldicarb	< 1	NR	12/4/17	Hexachlorocyclopentadiene	< 0.1	50	12/4/17
Aldicarb Sulfone	< 1	NR	12/4/17	Lindane	< 0.1	0.2	12/4/17
Aldicarb Sulfoxide	< 1	NR	12/4/17	Methiocarb	< 1	7	12/4/17
Aldrin	< 0.1	NR	12/4/17	Methomyl	< 1	NR	12/4/17
Atrazine	< 0.1	3	12/4/17	Methoxychlor	< 0.1	40	12/4/17
Benzo(a)pyrene	< 0.1	0.2	12/4/17	Metolachlor	< 0.1	40	12/4/17
Butachlor	< 0.1	NR	12/4/17	Metribuzin	< 0.1	NR	12/4/17
Carbaryl	< 1	NR	12/4/17	Oxamyl (Vydate)	< 1	200	12/4/17
Carbofuran	< 1	40	12/4/17	PCB Aroclor 1016	< 0.2	NR	12/4/17
Chlordane	< 0.4	2	12/4/17	PCB Aroclor 1221	< 0.2	NR	12/4/17
Dalapon	< 1	200	12/4/17	PCB Aroclor 1232	< 0.2	NR	12/4/17
Di (2-ethylhexyl) adipate	< 1	400	12/4/17	PCB Aroclor 1242	< 0.2	NR	12/4/17
Di (2-Ethylhexyl) phthalate	< 1	6	12/4/17	PCB Aroclor 1248	< 0.2	NR	12/4/17
Dicamba	< 0.5	NR	12/4/17	PCB Aroclor 1254	< 0.2	NR	12/4/17
Dieldrin	< 0.1	NR	12/4/17	PCB Aroclor 1260	< 0.2	NR	12/4/17
Dinoseb	< 1	7	12/4/17	Pentachlorophenol	< 0.1	1	12/4/17
Diquat		20		Picloram	< 0.5	500	12/4/17
Endrin	< 0.1	2	12/4/17	Propachlor	< 0.1	NR	12/4/17
Ethylene dibromide (EDB)	< 0.02	0.05	12/4/17	Propoxur (Baygon)	< 1	NR	12/4/17
				Simazine	< 0.1	4	12/4/17
				Toxaphene	< 2	3	12/4/17

## RADIOLOGICAL CONTAMINANTS (b)

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Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	<3	15	10/14/19
Radium 226 & 228 (pCi/L)	3±0.5	5	10/14/19
Uranium (µg/L)	< 1	30	10/14/19

<b>FIRST DRAW LEAD AND COPPER (a)</b>			
Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	<1	15	2018
Copper (mg/L) 90th percentile sample	0.247	1.3	2018

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## INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	10/25/18
Arsenic (mg/L)	0.0024	0.01	4/7/20
Barium (mg/L)	0.0185	2	10/25/18
Beryllium (mg/L)	<0.001	0.004	10/25/18
Cadmium (mg/L)	<0.001	0.005	10/25/18
Chromium (mg/L)	<0.001	0.1	10/25/18
Fluoride (mg/L)	0.3	4	10/25/18
Mercury (mg/L)	<0.0001	0.002	10/25/18
Nitrate-N (mg/L)	< 0.2	10	10/14/19
Nitrite-N (mg/L)	< 0.2	1	10/25/18
Selenium (mg/L)	<0.001	0.05	10/25/18
Thallium (mg/L)	<0.001	0.002	10/25/18

## SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	90	250	10/25/18
Fluoride (mg/L)	0.3	2	10/25/18
Iron (mg/L)	0.24	0.3	10/25/18
Manganese (mg/L)	0.0832	0.05	10/25/18
pH (Standard Units)	7.79	6.5 – 8.5	10/25/18
Sulfate (mg/L)	32	250	10/25/18
Zinc (mg/L)	<0.001	5	10/25/18

## DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	12	80	7/16/19
Haloacetic Acids (µg/L)	1.5	60	7/16/19

## Microbiological Contaminants (a)

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

## UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	84	10/25/18
Calcium (mg/L)	63	10/25/18
Copper (mg/L)	<0.001	10/25/18
Hardness, Total as CaCO <sub>3</sub> (mg/L)	185	10/25/18
Magnesium (mg/L)	6.68	10/25/18
Nickel (mg/L)	<0.001	10/25/18
Radon Gas (pCi/L)	2,941	4/17/19
Sodium (mg/L)	22.1	10/25/18

## Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	<2.00	NR	2/13/20
Perfluoroheptanoic acid (PFHpA) (ng/L)	<2.00	NR	2/13/20
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	NR	2/13/20
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	NR	2/13/20
Perfluorooctane sulfonate (PFOS) (ng/L)	<2.00	70*	2/13/20
Perfluorooctanoic acid (PFOA) (ng/L)	<2.00		2/13/20

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

## SOURCE WATER AND TREATMENT INFORMATION

**Water Source:** One bedrock well.

**Treatment:** Chlorination for disinfection; filtration to reduce arsenic; phosphate addition to reduce corrosion and sequester iron and manganese.

### 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.