

# WATER QUALITY REPORT

Glen Ridge, Derry, NH

EPA # 0612070

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	10/17/23	Chloroform	< 0.5	80	10/17/23
1,1,1-Trichloroethane	< 0.5	200	10/17/23	Chloromethane	< 0.5	NR	10/17/23
1,1,2,2-Tetrachloroethane	< 0.5	NR	10/17/23	cis-1, 2-Dichloroethylene	< 0.5	70	10/17/23
1,1,2-Trichloroethane	< 0.5	5	10/17/23	cis-1, 3-Dichloropropylene	< 0.5	NR	10/17/23
1,1-Dichloroethane	< 0.5	NR	10/17/23	Dibromochloromethane	1.4	80	10/17/23
1,1-Dichloroethylene	< 0.5	7	10/17/23	Dibromomethane	< 0.5	NR	10/17/23
1,1-Dichloropropylene	< 0.5	NR	10/17/23	Dichlorodifluoromethane	< 0.5	NR	10/17/23
1,2,3-Trichlorobenzene	< 0.5	NR	10/17/23	Diethyl ether	< 0.5	NR	10/17/23
1,2,3-Trichloropropane	< 0.5	NR	10/17/23	Diisopropyl Ether (DIPE)	< 0.5	NR	10/17/23
1,2,4-Trichlorobenzene	< 0.5	70	10/17/23	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	10/17/23
1,2,4-Trimethylbenzene	< 0.5	NR	10/17/23	Ethylbenzene	< 0.5	700	10/17/23
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	10/17/23	Hexachlorobutadiene	< 0.5	NR	10/17/23
1,2-Dibromoethane	< 0.5	NR	10/17/23	Isopropylbenzene	< 0.5	NR	10/17/23
1,2-Dichlorobenzene	< 0.5	600	10/17/23	m/p - Xylenes	<1	NR	10/17/23
1,2-Dichloroethane	< 0.5	5	10/17/23	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	10/17/23
1,2-Dichloropropane	< 0.5	5	10/17/23	Methylene chloride	< 0.5	5	10/17/23
1,3,5-Trimethylbenzene	< 0.5	NR	10/17/23	Methyl-t-butyl-ether (MtBE)	< 0.5	13	10/17/23
1,3-Dichlorobenzene	< 0.5	NR	10/17/23	Naphthalene	< 0.5	NR	10/17/23
1,3-Dichloropropane	< 0.5	NR	10/17/23	n-Butylbenzene	< 0.5	NR	10/17/23
1,4-Dichlorobenzene	< 0.5	75	10/17/23	Nitrobenzene	<10	NR	10/17/23
2,2-Dichloropropane	< 0.5	NR	12/4/17	n-Propylbenzene	< 0.5	NR	10/17/23
2-Butanone (MEK)	<10	NR	12/4/17	o-Xylene	< 0.5	NR	10/17/23
2-Chlorotoluene	<0.5	0.5	10/17/23	sec Butylbenzene	< 0.5	NR	10/17/23
2-Hexanone	<10	NR	12/4/17	Styrene	< 0.5	100	10/17/23
4 Methyl-2-Pentanone (MIBK)	<10	NR	12/4/17	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	10/17/23
4-Chlorotoluene	<0.5	0.5	10/17/23	Tert-Butyl Alcohol (TBA)	<10	NR	10/17/23
4-Isopropyltoluene	< 0.5	NR	10/17/23	Tert-Butylbenzene	< 0.5	NR	10/17/23
Acetone	14	NR	12/4/17	Tetrachloroethylene	< 0.5	5	10/17/23
Benzene	< 0.5	5	10/17/23	Tetrachloromethane	< 0.5	NR	10/17/23
Bromobenzene	< 0.5	NR	10/17/23	Tetrahydrofuran	<10	NR	10/17/23
Bromochloromethane	< 0.5	NR	10/17/23	Toluene	< 0.5	1000	10/17/23
Bromodichloromethane	1.1	80	10/17/23	Total Trihalomethanes	3.1	80	10/17/23
Bromoform	0.6	80	10/17/23	Total Xylenes	< 0.5	10,000	10/17/23
Bromomethane	< 0.5	NR	10/17/23	Trans-1, 2-Dichloroethylene	< 0.5	100	10/17/23
Carbon Disulfide	< 0.5	NR	10/17/23	Trans-1, 3-Dichloropropylene	< 0.5	NR	10/17/23
Carbon Tetrachloride	< 0.5	5	10/17/23	Trichloroethylene	< 0.5	5	10/17/23
Chlorobenzene	< 0.5	100	10/17/23	Trichlorofluoromethane	< 0.5	NR	10/17/23
Chloroethane	<0.5	NR	10/17/23	Vinyl chloride	< 0.5	2	10/17/23

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,2-Dibromo-3-chloropropane	<0.02	0.2	10/17/23	Glyphosate	< 10	700	10/17/23
2,4,5-TP (Silvex)	< 0.25	50	10/17/23	Heptachlor	< 0.1	0.4	10/17/23
2,4-D	< 1	70	10/17/23	Heptachlor Epoxide	< 0.1	0.2	10/17/23
3-Hydroxycarbofuran	< 1	NR	10/17/23	Hexachlorobenzene	< 0.1	1	10/17/23
Alachlor	< 0.1	2	10/17/23	Hexachlorocyclopentadiene	< 0.1	50	10/17/23
Aldicarb	< 1	NR	10/17/23	Lindane	< 0.1	0.2	10/17/23
Aldicarb Sulfone	< 1	NR	10/17/23	Methiocarb	< 1	7	10/17/23
Aldicarb Sulfoxide	< 1	NR	10/17/23	Methomyl	< 1	NR	10/17/23
Aldrin	< 0.1	NR	10/17/23	Methoxychlor	< 0.1	40	10/17/23
Atrazine	< 0.1	3	10/17/23	Metolachlor	< 0.1	40	10/17/23
Benzo(a)pyrene	< 0.1	0.2	10/17/23	Metribuzin	< 0.1	NR	10/17/23
Butachlor	< 0.1	NR	10/17/23	Oxamyl (Vydate)	< 1	200	10/17/23
Carbaryl	< 1	NR	10/17/23	PCB Aroclor 1016	<0.2	NR	12/4/17
Carbofuran	< 1	40	10/17/23	PCB Aroclor 1221	<0.2	NR	12/4/17
Chlordane	< 0.4	2	10/17/23	PCB Aroclor 1232	<0.2	NR	12/4/17
Dalapon	<1	200	10/17/23	PCB Aroclor 1242	<0.2	NR	12/4/17
Di (2-ethylhexyl) adipate	< 1	400	10/17/23	PCB Aroclor 1248	<0.2	NR	12/4/17
Di (2-Ethylhexyl) phthalate	< 1	6	10/17/23	PCB Aroclor 1254	<0.2	NR	12/4/17
Dicamba	< 0.5	NR	10/17/23	PCB Aroclor 1260	<0.2	NR	12/4/17
Dieldrin	< 0.1	NR	10/17/23	Pentachlorophenol	< 0.1	1	10/17/23
Dinoseb	< 1	7	10/17/23	Picloram	< 0.5	500	10/17/23
Diquat	< 1	20	10/17/23	Propachlor	< 0.1	NR	10/17/23
Endrin	< 0.1	2	10/17/23	Propoxur (Baygon)	< 1	NR	10/17/23
Ethylene dibromide (EDB)	< 0.02	0.05	10/17/23	Simazine	< 0.1	4	10/17/23
				Toxaphene	<2	3	10/17/23

## RADIOLOGICAL CONTAMINANTS (b)

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Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	6.7 +/- 1.4	15	10/7/21
Radium 226 & 228 (pCi/L)	2 +/-0.6	5	10/15/24
Uranium (µg/L)	<1	30	12/10/24

<b>FIRST DRAW LEAD AND COPPER (a)</b>			
Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	0	15	2024
Copper (mg/L) 90th percentile sample	0.333	1.3	2024

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**INORGANIC CONTAMINANTS (b)**

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	10/15/24
Arsenic (mg/L)	<0.001	0.01	10/15/24
Barium (mg/L)	0.0078	2	10/15/24
Beryllium (mg/L)	<0.001	0.004	10/15/24
Cadmium (mg/L)	<0.001	0.005	10/15/24
Chromium (mg/L)	0.002	0.1	10/15/24
Fluoride (mg/L)	<0.2	4	10/15/24
Mercury (mg/L)	<0.0001	0.002	10/15/24
Nitrate-N (mg/L)	<0.2	10	10/15/24
Nitrite-N (mg/L)	< 0.2	1	10/15/24
Selenium (mg/L)	<0.001	0.05	10/15/24
Thallium (mg/L)	<0.001	0.002	10/15/24
Cyanide (mg/L)	<0.005	0.2	10/15/24

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

Analyte	Results	SMCL	Date
Chloride (mg/L)	65	250	10/15/24
Fluoride (mg/L)	<0.2	4	10/15/24
Iron (mg/L)	<0.01	0.3	10/15/24
Manganese (mg/L)	0.0153	0.05	10/15/24
pH (Standard Units)	7.09	6.5 – 8.5	10/15/24
Sulfate (mg/L)	25	250	10/15/24
Zinc (mg/L)	0.0063	5	10/15/24

**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)	3	80	7/19/22
Haloacetic Acids (µg/L)	<1	60	7/19/22

**UNREGULATED CONTAMINANTS (b)**

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	76	10/15/24
Calcium (mg/L)	43.5	10/15/24
Copper (mg/L)	0.0181	10/15/24
Hardness, Total as CaCO <sub>3</sub> (mg/L)	126	10/15/24
Magnesium (mg/L)	4.1	10/15/24
Nickel (mg/L)	0.0025	10/15/24
Radon Gas (pCi/L)	4,547	10/21/24
Sodium (mg/L)	25.8	10/15/24

**Perfluorinated Chemicals (PFCs)**

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	<2.00	NR	5/19/23
Perfluoroheptanoic acid (PFHpA) (ng/L)	<2.00	NR	5/19/23
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	18	7/11/24
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	11	7/11/24
Perfluorooctane sulfonate (PFOS) (ng/L)	<2.00	15	7/11/24
Perfluorooctanoic acid (PFOA) (ng/L)	2.87	12	7/11/24

**SOURCE WATER AND TREATMENT INFORMATION**

**Water Source:** Two bedrock wells.

**Treatment:** Treatment consists of well 1 passing through an anion exchange unit for radionuclides, uranium and gross alpha removal. Well 2 bi-passes the anion exchange unit. Both wells are followed by bubble up unit for radionuclides removal, chlorine for disinfection and polyphosphate to 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, Water Supply Manager, at 1-603-913-2377 or 1-800-553-5191.

Visit the State website for Glen Ridge at <https://www4.des.state.nh.us/DESSOneStop/PWSDetail.aspx?ID=0612070>

Additional information about contaminants and their potential health effects can be obtained by calling the Environmental

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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.