

WATER QUALITY REPORT
Richardson Estates, Derry, NH
EPA # 0612130

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	7/23/15	Chloroform	< 0.5	80	7/23/15
1,1,1-Trichloroethane	< 0.5	200	7/23/15	Chloromethane	< 0.5	NR	7/23/15
1,1,2,2-Tetrachloroethane	< 0.5	NR	7/23/15	cis-1, 2-Dichloroethylene	< 0.5	70	7/23/15
1,1,2-Trichloroethane	< 0.5	5	7/23/15	cis-1, 3-Dichloropropylene	< 0.5	NR	7/23/15
1,1-Dichloroethane	< 0.5	NR	7/23/15	Dibromochloromethane	< 0.5	80	7/23/15
1,1-Dichloroethylene	< 0.5	7	7/23/15	Dibromomethane	< 0.5	NR	7/23/15
1,1-Dichloropropylene	< 0.5	NR	7/23/15	Dichlorodifluoromethane	< 0.5	NR	7/23/15
1,2,3-Trichlorobenzene	< 0.5	NR	7/23/15	Diethyl ether	< 0.5	NR	7/23/15
1,2,3-Trichloropropane	< 0.5	NR	7/23/15	Diisopropyl Ether (DIPE)	< 0.5	NR	7/23/15
1,2,4-Trichlorobenzene	< 0.5	70	7/23/15	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	7/23/15
1,2,4-Trimethylbenzene	< 0.5	NR	7/23/15	Ethylbenzene	< 0.5	700	7/23/15
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	7/23/15	Hexachlorobutadiene	< 0.5	NR	7/23/15
1,2-Dibromoethane	< 0.5	NR	7/23/15	Isopropylbenzene	< 0.5	NR	7/23/15
1,2-Dichlorobenzene	< 0.5	600	7/23/15	m/p - Xylenes	< 0.5	NR	7/23/15
1,2-Dichloroethane	< 0.5	5	7/23/15	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	7/23/15
1,2-Dichloropropane	< 0.5	5	7/23/15	Methylene chloride	< 0.5	5	7/23/15
1,3,5-Trimethylbenzene	< 0.5	NR	7/23/15	Methyl-t-butyl-ether (MtBE)	< 0.5	13	7/23/15
1,3-Dichlorobenzene	< 0.5	NR	7/23/15	Napthalene	< 0.5	NR	7/23/15
1,3-Dichloropropane	< 0.5	NR	7/23/15	n-Butylbenzene	< 0.5	NR	7/23/15
1,4-Dichlorobenzene	< 0.5	75	7/23/15	Nitrobenzene	<10	NR	7/23/15
2,2-Dichloropropane	< 0.5	NR	7/23/15	n-Propylbenzene	< 0.5	NR	7/23/15
2-Butanone (MEK)	<10	NR	7/23/15	o-Xylene	< 0.5	NR	7/23/15
2-Chlorotoluene	<0.5	0.5	7/23/15	sec Butylbenzene	< 0.5	NR	7/23/15
2-Hexanone	<10	NR	7/23/15	Styrene	< 0.5	100	7/23/15
4 Methyl-2-Pentanone (MBK)	<10	NR	7/23/15	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	7/23/15
4-Chlorotoluene	<0.5	0.5	7/23/15	Tert-Butyl Alcohol (TBA)	<10	NR	7/23/15
4-Isopropyltoluene	< 0.5	NR	7/23/15	Tert-Butylbenzene	< 0.5	NR	7/23/15
Acetone	<10	NR	7/23/15	Tetrachloroethylene	< 0.5	5	7/23/15
Benzene	< 0.5	5	7/23/15	Tetrachloromethane	< 0.5	NR	7/23/15
Bromobenzene	< 0.5	NR	7/23/15	Tetrahydrofuran	<10	NR	7/23/15
Bromochloromethane	< 0.5	NR	7/23/15	Toluene	< 0.5	1000	7/23/15
Bromodichloromethane	< 0.5	80	7/23/15	Total Trihalomethanes	0	80	7/23/15
Bromoform	<0.5	80	7/23/15	Total Xylenes	< 0.5	10,000	7/23/15
Bromomethane	< 0.5	NR	7/23/15	Trans-1, 2-Dichloroethylene	< 0.5	100	7/23/15
Carbon Disulfide	< 0.5	NR	7/23/15	Trans-1, 3-Dichloropropylene	< 0.5	NR	7/23/15
Carbon Tetrachloride	< 0.5	5	7/23/15	Trichloroethylene	< 0.5	5	7/23/15
Chlorobenzene	< 0.5	100	7/23/15	Trichlorofluoromethane	< 0.5	NR	7/23/15
Chloroethane	<0.5	NR	7/23/15	Vinyl chloride	< 0.5	2	7/23/15

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

	Results	MCL	Date		Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	7/23/15	Endrin	< 0.1	2	7/23/15
2,4-D	< 1	70	7/23/15	Ethylene dibromide (EDB)	< 0.02	0.05	7/23/15
3-Hydroxycarbofuran	< 1	NR	7/23/15	Glyphosate	< 10	700	7/23/15
Alachlor	< 0.1	2	7/23/15	Heptachlor	< 0.1	0.4	7/23/15
Aldicarb	< 1	NR	7/23/15	Heptachlor Epoxide	< 0.1	0.2	7/23/15
Aldicarb Sulfone	< 1	NR	7/23/15	Hexachlorobenzene	< 0.1	1	7/23/15
Aldicarb Sulfoxide	< 1	NR	7/23/15	Hexachlorocyclopentadiene	< 0.1	50	7/23/15
Aldrin	< 0.1	NR	7/23/15	Lindane	< 0.1	0.2	7/23/15
Atrazine	< 0.1	3	7/23/15	Methiocarb	< 1	7	7/23/15
Benzo(a)pyrene	< 0.1	0.2	7/23/15	Methomyl	< 1	NR	7/23/15
Butachlor	< 0.1	NR	7/23/15	Methoxychlor	< 0.1	40	7/23/15
Carbaryl	< 1	NR	7/23/15	Metolachlor	< 0.1	40	7/23/15
Carbofuran	< 1	40	7/23/15	Metribuzin	< 0.1	NR	7/23/15
Chlordane	< 0.4	2	7/23/15	Oxamyl (Vydate)	< 1	200	7/23/15
Di (2-ethylhexyl) adipate	< 1	400	7/23/15	Pentachlorophenol	< 0.1	1	7/23/15
Di (2-Ethylhexyl) phthalate	< 1	6	7/23/15	Picloram	< 0.5	500	7/23/15
Dibromochloropropane (DBCP)	< 0.02	0.2	7/23/15	Propachlor	< 0.1	NR	7/23/15
Dicamba	< 0.5	NR	7/23/15	Propoxur (Baygon)	< 1	NR	7/23/15
Dieldrin	< 0.1	NR	7/23/15	Simazine	< 0.1	4	7/23/15
Dinoseb	< 1	7	7/23/15	Toxaphene	< 2	3	7/23/15

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 1	6	7/23/15
Arsenic (µg/L)	3.3	10	7/23/15
Barium (mg/L)	0.0033	2	7/23/15
Beryllium (µg/L)	< 1	4	7/23/15
Cadmium (µg/L)	< 1	5	7/23/15
Chromium (µg/L)	< 1	100	7/23/15
Fluoride (mg/L)	0.24	4	7/23/15
Mercury (µg/L)	< 0.1	2	7/23/15
Nitrate-N (mg/L)	< 0.2	10	7/23/15
Nitrite-N (mg/L)	< 0.2	1	7/23/15
Selenium (µg/L)	< 5	50	7/23/15
Thallium (µg/L)	< 1	2	7/23/15

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	59	250	7/23/15
Fluoride (mg/L)	0.24	2	7/23/15
Iron (mg/L)	0.19	0.3	7/23/15
Manganese (mg/L)	0.0644	0.05	7/23/15
pH (Standard Units)	7.74	6.5 – 8.5	7/23/15
Sulfate (mg/L)	25	250	7/23/15
Zinc (mg/L)	0.0031	5	7/23/15

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.3	15	8/2/12
Radium 226 & 228 (pCi/L)	2.3	5	8/2/12
Uranium (µg/L)	3.2	30	8/2/12

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 1	15	2015
Copper (mg/L) 90th percentile sample	0.185	1.3	2015

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	77	7/23/15
Calcium (mg/L)	49	7/23/15
Copper (mg/L)	<0.001	7/23/15
Hardness, Total as CaCO ₃ (mg/L)	139	7/23/15
Magnesium (mg/L)	4.05	7/23/15
Nickel (µg/L)	< 1	7/23/15
Radon Gas (pCi/L)	1,600	7/23/15
Sodium (mg/L)	14	7/23/15

Microbiological Contaminants (a)	Results	MCL
Total Coliform	Absent	≤ 1/month
E. coli	Absent	Absent

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Bedrock Well 20 feet North of the Pumphouse.

Treatment: Sand separator

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.

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 Gary Tetley, Lab Director, at 1-603-913-2378 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.