

WATER QUALITY REPORT

Great Bay, New Market, NH

EPA # 1732030

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	1/16/20	Chloroform	< 0.5	NR	1/16/20
1,1,1-Trichloroethane	< 0.5	NR	1/16/20	Chloromethane	< 0.5	NR	1/16/20
1,1,2,2-Tetrachloroethane	< 0.5	NR	1/16/20	cis-1, 2-Dichloroethylene	< 0.5	NR	1/16/20
1,1,2-Trichloroethane	< 0.5	NR	1/16/20	cis-1, 3-Dichloropropylene	< 0.5	NR	1/16/20
1,1-Dichloroethane	< 0.5	NR	1/16/20	Dibromochloromethane	0.5	NR	1/16/20
1,1-Dichloroethylene	< 0.5	NR	1/16/20	Dibromomethane	< 0.5	NR	1/16/20
1,1-Dichloropropylene	< 0.5	NR	1/16/20	Dichlorodifluoromethane	< 0.5	NR	1/16/20
1,2,3-Trichlorobenzene	< 0.5	NR	1/16/20	Diethyl ether	< 0.5	NR	1/16/20
1,2,3-Trichloropropane	< 0.5	NR	1/16/20	Diisopropyl Ether (DIPE)	< 0.5	NR	1/16/20
1,2,4-Trichlorobenzene	< 0.5	NR	1/16/20	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	1/16/20
1,2,4-Trimethylbenzene	< 0.5	NR	1/16/20	Ethylbenzene	< 0.5	NR	1/16/20
1,2-Dibromoethane	< 0.5	NR	1/16/20	Hexachlorobutadiene	< 0.5	NR	1/16/20
1,2-Dichlorobenzene	< 0.5	NR	1/16/20	Isopropylbenzene	< 0.5	NR	1/16/20
1,2-Dichloroethane	< 0.5	NR	1/16/20	m&p - Xylenes	<1	NR	1/16/20
1,2-Dichloropropane	< 0.5	NR	1/16/20	Methylene chloride	< 0.5	NR	1/16/20
1,3,5-Trimethylbenzene	< 0.5	NR	1/16/20	Methyl-t-butyl-ether (MtBE)	<0.5	NR	1/16/20
1,3-Dichlorobenzene	< 0.5	NR	1/16/20	Naphthalene	< 0.5	NR	1/16/20
1,3-Dichloropropane	< 0.5	NR	1/16/20	n-Butylbenzene	< 0.5	NR	1/16/20
1,4-Dichlorobenzene	< 0.5	NR	1/16/20	n-Propylbenzene	< 0.5	NR	1/16/20
2-Chlorotoluene	<0.5	NR	1/16/20	o-Xylene	< 0.5	NR	1/16/20
4-Chlorotoluene	<0.5	NR	1/16/20	sec Butylbenzene	< 0.5	NR	1/16/20
4-Isopropyltoluene	< 0.5	NR	1/16/20	Styrene	< 0.5	NR	1/16/20
Benzene	< 0.5	NR	1/16/20	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	1/16/20
Bromobenzene	< 0.5	NR	1/16/20	Tert-Butyl Alcohol (TBA)	<10	NR	1/16/20
Bromochloromethane	< 0.5	NR	1/16/20	Tert-Butylbenzene	< 0.5	NR	1/16/20
Bromodichloromethane	< 0.5	NR	1/16/20	Tetrachloroethylene	< 0.5	NR	1/16/20
Bromoform	0.6	NR	1/16/20	Tetrahydrofuran	<10	NR	1/16/20
Bromomethane	< 0.5	NR	1/16/20	Toluene	< 0.5	NR	1/16/20
Carbon Disulfide	< 0.5	NR	1/16/20	Total Trihalomethanes	1	NR	1/16/20
Carbon Tetrachloride	< 0.5	NR	1/16/20	Total Xylenes	< 0.5	NR	1/16/20
Chlorobenzene	< 0.5	NR	1/16/20	Trans-1, 2-Dichloroethylene	< 0.5	NR	1/16/20
Carbon Disulfide	< 0.5	NR	1/16/20	Trans-1, 3-Dichloropropylene	< 0.5	NR	1/16/20
Carbon Tetrachloride	< 0.5	NR	1/16/20	Trichloroethylene	< 0.5	NR	1/16/20
Chlorobenzene	< 0.5	NR	1/16/20	Trichlorofluoromethane	< 0.5	NR	1/16/20
				Vinyl chloride	< 0.5	NR	1/16/20

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	1/19/17	Glyphosate	< 10	700	1/19/17
2,4-D	< 1	70	1/19/17	Heptachlor	< 0.1	0.4	1/19/17
3-Hydroxycarbofuran	< 1	NR	1/19/17	Heptachlor Epoxide	< 0.1	0.2	1/19/17
Alachlor	< 0.1	2	1/19/17	Hexachlorobenzene	< 0.1	1	1/19/17
Aldicarb	< 1	NR	1/19/17	Hexachlorocyclopentadiene	< 0.1	50	1/19/17
Aldicarb Sulfone	< 1	NR	1/19/17	Lindane	< 0.1	0.2	1/19/17
Aldicarb Sulfoxide	< 1	NR	1/19/17	Methiocarb	< 1	7	1/19/17
Aldrin	< 0.1	NR	1/19/17	Methomyl	< 1	NR	1/19/17
Atrazine	< 0.1	3	1/19/17	Methoxychlor	< 0.1	40	1/19/17
Benzo(a)pyrene	< 0.1	0.2	1/19/17	Metolachlor	< 0.1	40	1/19/17
Butachlor	< 0.1	NR	1/19/17	Metribuzin	< 0.1	NR	1/19/17
Carbaryl	< 1	NR	1/19/17	Oxamyl (Vydate)	< 1	200	1/19/17
Carbofuran	< 1	40	1/19/17	PCB Aroclor 1016	<0.2	NR	1/19/17
Chlordane	< 0.4	2	1/19/17	PCB Aroclor 1221	<0.2	NR	1/19/17
Dalapon	<1	200	1/19/17	PCB Aroclor 1232	<0.2	NR	1/19/17
Di (2-ethylhexyl) adipate	< 1	400	1/19/17	PCB Aroclor 1242	<0.2	NR	1/19/17
Di (2-Ethylhexyl) phthalate	< 1	6	1/19/17	PCB Aroclor 1248	<0.2	NR	1/19/17
Dicamba	< 0.5	NR	1/19/17	PCB Aroclor 1254	<0.2	NR	1/19/17
Dieldrin	< 0.1	NR	1/19/17	PCB Aroclor 1260	<0.2	NR	1/19/17
Dinoseb	< 1	7	1/19/17	Pentachlorophenol	< 0.1	1	1/19/17
Diquat		20		Picloram	< 0.5	500	1/19/17
Endrin	< 0.1	2	1/19/17	Propachlor	< 0.1	NR	1/19/17
Ethylene dibromide (EDB)	< 0.02	0.05	1/19/17	Propoxur (Baygon)	< 1	NR	1/19/17
				Simazine	< 0.1	4	1/19/17
				Toxaphene	< 2	3	1/19/17

RADIOLOGICAL CONTAMINANTS (b)

WATER QUALITY REPORT
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Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	1.2	15	3/4/15
Radium 226 & 228 (pCi/L)	<1	5	1/31/18
Uranium (µg/L)	< 1	30	3/4/15

FIRST DRAW LEAD AND COPPER (a)			
Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	6	15	2018
Copper (mg/L) 90th percentile sample	0.176	1.3	2018

WATER QUALITY REPORT
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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	1/16/20
Arsenic (mg/L)	<0.001	0.01	1/16/20
Barium (mg/L)	0.0509	2	1/16/20
Beryllium (mg/L)	<0.001	0.004	1/16/20
Cadmium (mg/L)	<0.001	0.005	1/16/20
Chromium (mg/L)	<0.001	0.1	1/16/20
Fluoride (mg/L)	< 0.2	4	1/16/20
Mercury (mg/L)	<0.0001	0.002	1/16/20
Nitrate-N (mg/L)	0.44	10	1/16/20
Nitrite-N (mg/L)	< 0.2	1	1/31/18
Selenium (mg/L)	<0.001	0.05	1/16/20
Thallium (mg/L)	<0.001	0.002	1/16/20

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	112	250	1/16/20
Fluoride (mg/L)	< 0.2	4	1/16/20
Iron (mg/L)	0.048	0.3	1/16/20
Manganese (mg/L)	0.0034	0.05	1/16/20
pH (Standard Units)	7.26	6.5 – 8.5	1/16/20
Sulfate (mg/L)	32	250	1/16/20
Zinc (mg/L)	0.0218	5	1/16/20

DISINFECTION BY-PRODUCTS (a)

Total Trihalomethanes (µg/L)	0.6	80	7/19/17
Haloacetic Acids (µg/L)	< 1	60	7/19/17

Microbiological Contaminants (a)

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

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	3.23	NR	10/3/19
Perfluoroheptanoic acid (PFHpA) (ng/L)	<2.00	NR	10/3/19
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	NR	10/3/19
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	NR	10/3/19
Perfluorooctane sulfonate (PFOS) (ng/L)	<2.00	70*	10/3/19
Perfluorooctanoic acid (PFOA) (ng/L)	7.63		10/3/19

*PFOS + PFOA can not exceed 70 ng/L

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	76	1/16/20
Calcium (mg/L)	63.4	1/16/20
Copper (mg/L)	0.021	1/16/20
Hardness, Total as CaCO ₃ (mg/L)	205	1/16/20
Magnesium (mg/L)	11.3	1/16/20
Nickel (µg/L)	<0.001	1/16/20
Radon (pCi/L)	1,758	7/17/19
Sodium (mg/L)	24.2	1/16/20

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two bedrock wells.

Treatment: Chlorination for disinfection and iron and manganese removal.

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.