

**WATER QUALITY REPORT
GREAT BAY, NEW MARKET, NH
EPA # 1732030**

5/13/2010

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

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	2/3/11	cis-1, 3-Dichloropropylene	< 0.5	NR	2/3/11
1,1,1-Trichloroethane	< 0.5	200	2/3/11	Dibromochloromethane	< 0.5	80	2/3/11
1,1,2,2-Tetrachloroethane	< 0.5	NR	2/3/11	Dibromomethane	< 0.5	NR	2/3/11
1,1,2-Trichloroethane	< 0.5	5	2/3/11	Dichlorodifluoromethane	< 0.5	NR	2/3/11
1,1-Dichloroethane	< 0.5	NR	2/3/11	Diethyl ether	< 0.5	NR	2/3/11
1,1-Dichloroethane	< 0.5	7	2/3/11	Diisopropyl Ether (DIPE)	< 0.5	NR	2/3/11
1,1-Dichloropropylene	< 0.5	NR	2/3/11	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	2/3/11
1,2,3-Trichlorobenzene	< 0.5	NR	2/3/11	Ethylbenzene	< 0.5	700	2/3/11
1,2,3-Trichloropropane	< 0.5	NR	2/3/11	Hexachlorobutadiene	< 0.5	NR	2/3/11
1,2,4-Trichlorobenzene	< 0.5	70	2/3/11	Isopropylbenzene	< 0.5	NR	2/3/11
1,2,4-Trimethylbenzene	< 0.5	NR	2/3/11	m/p - Xylenes	< 0.5	NR	2/3/11
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	2/3/11	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	2/3/11
1,2-Dibromoethane	< 0.5	NR	2/3/11	Methylene chloride	< 0.5	5	2/3/11
1,2-Dichlorobenzene	< 0.5	600	2/3/11	Methyl-t-butyl-ether (MtBE)	1	13	5/10/11
1,2-Dichloroethane	< 0.5	5	2/3/11	Napthalene	< 0.5	NR	2/3/11
1,2-Dichloropropane	< 0.5	5	2/3/11	n-Butylbenzene	< 0.5	NR	2/3/11
1,3,5-Trimethylbenzene	< 0.5	NR	2/3/11	Nitrobenzene	<10	NR	2/3/11
1,3-Dichlorobenzene	< 0.5	NR	2/3/11	n-Propylbenzene	< 0.5	NR	2/3/11
1,3-Dichloropropane	< 0.5	NR	2/3/11	o-Xylene	< 0.5	NR	2/3/11
1,4-Dichlorobenzene	< 0.5	75	2/3/11	sec Butylbenzene	< 0.5	NR	2/3/11
2,2-Dichloropropane	< 0.5	NR	2/3/11	Styrene	< 0.5	100	2/3/11
2-Chlorotoluene	<0.5	0.5	2/3/11	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	2/3/11
2-Hexanone	<10	NR	2/3/11	Tert-Butyl Alcohol (TBA)	<10	NR	2/3/11
4 Methyl-2-Pentanone (MIBK)	<10	NR	2/3/11	Tert-Butylbenzene	< 0.5	NR	2/3/11
4-Chlorotoluene	<0.5	0.5	2/3/11	Tetrachloroethylene	< 0.5	5	2/3/11
4-Isopropyltoluene	< 0.5	NR	2/3/11	Tetrachloromethane	< 0.5	NR	2/3/11
Acetone	<10	NR	2/3/11	Tetrahydrofuran	<10	NR	2/3/11
Benzene	< 0.5	5	2/3/11	Toluene	< 0.5	1000	3/9/11
Bromobenzene	< 0.5	NR	2/3/11	Total Trihalomethanes	<0.5	80	2/3/11
Bromochloromethane	< 0.5	NR	2/3/11	Total Xylenes	< 0.5	10,000	2/3/11
Bromodichloromethane	< 0.5	80	2/3/11	Trans-1, 2-Dichloroethylene	< 0.5	100	2/3/11
Bromoform	< 0.5	80	2/3/11	Trans-1, 3-Dichloropropylene	< 0.5	NR	2/3/11
Bromomethane	< 0.5	NR	2/3/11	Trichloroethylene	< 0.5	5	2/3/11
Carbon Disulfide	< 0.5	NR	2/3/11	Trichlorofluoromethane	< 0.5	NR	2/3/11
Chlorobenzene	< 0.5	100	2/3/11	Vinyl chloride	< 0.5	2	2/3/11
Chloroethane	< 0.5	NR	2/3/11				
Chloroform	< 0.5	80	2/3/11				
Chloromethane	< 0.5	NR	2/3/11				
cis-1, 2-Dichloroethylene	< 0.5	70	2/3/11				

DISINFECTION BY-PRODUCTS (a)

Total Trihalomethanes	n/a	80	
Haloacetic Acids	n/a	60	

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

	Results	MCL	Date		Results	MCL	Date
1, 2-Dibromo-3-chloropropane (DBCP)	< 0.02	0.2	2/3/11	Endrin	< 0.1	2	2/3/11
2,4,5-TP (Silvex)	< 0.25	50	2/3/11	Ethylene dibromide (EDB)	< 0.02	0.05	2/3/11
2,4-D	< 1	70	2/3/11	Glyphosate	< 10	700	2/3/11
3-Hydroxycarbofuran	< 1	NR	2/3/11	Heptachlor	< 0.1	0.4	2/3/11
Alachlor	< 0.1	2	2/3/11	Heptachlor Epoxide	< 0.1	0.2	2/3/11
Aldicarb	< 1	NR	2/3/11	Hexachlorobenzene	< 0.1	1	2/3/11
Aldicarb Sulfone	< 1	NR	2/3/11	Hexachlorocyclopentadiene	< 0.1	50	2/3/11
Aldicarb Sulfoxide	< 1	NR	2/3/11	Lindane	< 0.1	0.2	2/3/11
Aldrin	< 0.1	NR	2/3/11	Methiocarb	< 1	7	2/3/11
Atrazine	< 0.1	3	2/3/11	Metolachlor	< 0.1	40	2/3/11
Benzo(a)pyrene	< 0.1	0.2	2/3/11	Methomyl	< 1	NR	2/3/11
Butachlor	< 0.1	NR	2/3/11	Methoxychlor	< 0.1	40	2/3/11
Carbaryl	< 1	NR	2/3/11	Metribuzin	< 0.1	NR	2/3/11
Carbofuran	< 1	40	2/3/11	Oxamyl (Vydate)	< 1	200	2/3/11
Chlordane	< 0.4	2	2/3/11	Pentachlorophenol	< 0.1	1	2/3/11
Di (2-ethylhexyl) adipate	< 1	400	2/3/11	Picloram	< 0.5	500	2/3/11
Di (2-Ethylhexyl) phthalate	< 1	6	2/3/11	Propachlor	< 0.1	NR	2/3/11
Dicamba	< 0.5	NR	2/3/11	Propoxur (Baygon)	< 1	NR	2/3/11
Dieldrin	< 0.1	NR	2/3/11	Simazine	< 0.1	4	2/3/11
Dinoseb	< 1	7	2/3/11	Toxaphene	< 2	3	2/3/11

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	2/3/11
Arsenic (µg/L)	< 2	10	2/3/11
Barium (mg/L)	<0.01	2	2/3/11
Beryllium (µg/L)	< 2	4	2/3/11
Cadmium (µg/L)	< 2	5	2/3/11
Chromium (µg/L)	< 10	100	2/3/11
Cyanide (µg/L)	< 20	200	1/24/08
Fluoride (mg/L)	0.25	4	2/3/11
Mercury (µg/L)	<0.1	2	2/3/11
Nickel (µg/L)	< 10	100	2/3/11
Nitrate-N (mg/L)	0.066	10	2/3/11
Nitrite-N (mg/L)	< 0.05	1	1/14/09
Selenium (µg/L)	< 5	50	2/3/11
Thallium (µg/L)	< 1	2	1/24/08

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	6	15	2009
Copper (mg/L) 90th percentile sample	0.104	1.3	2009

Microbiological Contaminants (a)

Results	MCL
Total Coliform	≤1/month
E. coli	Absent

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	48	250	2/3/11
Fluoride (mg/L)	0.25	2	2/3/11
Iron (mg/L)	0.104	0.3	2/3/11
Manganese (mg/L)	0.049	0.05	2/3/11
pH (Standard Units)	7.53	6.5 – 8.5	2/3/11
Silver (µg/L)	< 4	100	1/24/08
Sodium (mg/L)	26.2	100-250	2/3/11
Sulfate (mg/L)	26	250	2/3/11
Zinc (mg/L)	0.234	5	2/3/11

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	1.4	15	10/11/04
Radon Gas (pCi/L)	1,780	None	4/27/11
Radium-226 (pCi/L)	0.2	5	10/11/04
Radium-228 (pCi/L)	0	5	10/11/04
Uranium (µg/L)	1.6	30	10/11/04

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	72.8	1/24/08
Calcium (mg/L)	33.7	2/3/11
Copper (mg/L)	< 0.01	2/3/11
Hardness, Total as CaCO ₃ (mg/L)	108	2/3/11
Hydrogen Sulfide (mg/L)	0.29	1/24/08
Lead (µg/L)	< 5	1/24/08
Magnesium (mg/L)	5.8	2/3/11
Specific Conductance (umhos/cm ²)	403	1/24/08
Sulfide (mg/L)	0.8	1/24/08

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two bedrock wells. Well # 1 is located 840 feet northeast of the pump station. Well # 3 is located 700 feet northeast of the pump station.

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 - The highest level of a contaminant that affects the aesthetic 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, Water Quality Manager, 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.