

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

Analyte	WTP	Date	MCL	Analyte	WTP	Date	MCL
1,1,1,2-Tetrachloroethane	< 0.5	8/27/19	NR	Chloromethane	< 0.5	8/27/19	NR
1,1,1-Trichloroethane	< 0.5	8/27/19	200	cis-1, 2-Dichloroethylene	< 0.5	8/27/19	70
1,1,2,2-Tetrachloroethane	< 0.5	8/27/19	NR	cis-1, 3-Dichloropropylene	< 0.5	8/27/19	NR
1,1,2-Trichloroethane	< 0.5	8/27/19	5	Dibromochloromethane	< 0.5	8/27/19	NR
1,1-Dichloroethane	< 0.5	8/27/19	NR	Dibromomethane	< 0.5	8/27/19	NR
1,1-Dichloroethylene	< 0.5	8/27/19	7	Dichlorodifluoromethane	< 0.5	8/27/19	NR
1,1-Dichloropropylene	< 0.5	8/27/19	NR	Diethyl ether	< 0.5	8/27/19	NR
1,2,3-Trichlorobenzene	< 0.5	8/27/19	NR	Diisopropyl Ether (DIPE)	< 0.5	8/27/19	NR
1,2,3-Trichloropropane	< 0.5	8/27/19	NR	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	8/27/19	NR
1,2,4-Trichlorobenzene	< 0.5	8/27/19	70	Ethylbenzene	< 0.5	8/27/19	700
1,2,4-Trimethylbenzene	< 0.5	8/27/19	NR	Hexachlorobutadiene	< 0.5	8/27/19	NR
1,2-Dibromo - 3- chloropropane	< 0.5	8/27/19	0.2	Hexachloroethane	< 0.5	7/17/19	NR
1,2-Dibromoethane	< 0.5	8/27/19	0.05	Isopropylbenzene	< 0.5	8/27/19	NR
1,2-Dichlorobenzene	< 0.5	8/27/19	600	m/p - Xylenes	< 1	8/27/19	NR
1,2-Dichloroethane	< 0.5	8/27/19	5	Methylene chloride	< 0.5	8/27/19	5
1,2-Dichloropropane	< 0.5	8/27/19	5	Methyl-t-butyl-ether (MtBE)	< 0.5	8/27/19	13
1,3,5-Trimethylbenzene	< 0.5	8/27/19	NR	Napthalene	< 0.5	8/27/19	NR
1,3-Dichlorobenzene	< 0.5	8/27/19	NR	n-Butylbenzene	< 0.5	8/27/19	NR
1,3-Dichloropropane	< 0.5	8/27/19	NR	n-Propylbenzene	< 0.5	7/17/19	NR
1,4-Dichlorobenzene	< 0.5	8/27/19	75	o-Xylene	< 0.5	8/27/19	NR
2-Chlorotoluene	< 0.5	8/27/19	NR	sec Butylbenzene	< 0.5	8/27/19	NR
4-Chlorotoluene	< 0.5	8/27/19	NR	Styrene	< 0.5	8/27/19	100
4-Isopropyltoluene	< 0.5	8/27/19	NR	Tert-Amyl Methyl Ether (TAME)	< 0.5	8/27/19	NR
Benzene	< 0.5	8/27/19	5	Tert-Butyl Alcohol (TBA)	< 10	8/27/19	NR
Bromobenzene	< 0.5	8/27/19	NR	Tert-Butylbenzene	< 0.5	8/27/19	NR
Bromochloromethane	< 0.5	8/27/19	NR	Tetrachloroethylene	< 0.5	8/27/19	5
Bromodichloromethane	< 0.5	8/27/19	NR	Tetrahydrofuran	< 10	8/27/19	NR
Bromoform	< 0.5	8/27/19	NR	Toluene	< 0.5	8/27/19	1000
Bromomethane	< 0.5	8/27/19	NR	Total Trihalomethanes	< 0.5	8/27/19	80
Carbon Disulfide	< 0.5	8/27/19	NR	Total Xylenes	< 0.5	8/27/19	10,000
Carbon Tetrachloride	< 0.5	8/27/19	5	Trans-1, 2-Dichloroethylene	< 0.5	8/27/19	100
Chlorobenzene	< 0.5	8/27/19	100	Trans-1, 3-Dichloropropylene	< 0.5	8/27/19	NR
Chloroform	< 0.5	8/27/19	NR	Trichloroethylene	< 0.5	8/27/19	5
Chloroethane	NT	8/27/19	NR	Trichlorofluoromethane	< 0.5	8/27/19	NR
cis-1, 2-Dichloroethylene	< 0.5	8/27/19	70	Vinyl chloride	< 0.5	8/27/19	NR
cis-1, 3-Dichloropropylene	< 0.5	8/27/19	NR				

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

Analyte	WTP	Date	MCL	Analyte	WTP	Date	MCL
2,4,5-TP (Silvex)	< 0.25	8/27/19	50	Heptachlor	< 0.1	8/27/19	0.4
2,4-D	< 1	8/27/19	70	Heptachlor Epoxide	< 0.1	8/27/19	0.2
3-Hydroxycarbofuran	< 1	8/27/19	NR	Hexachlorobenzene	< 0.1	8/27/19	1
Alachlor	< 0.1	8/27/19	2	Hexachlorocyclopentadiene	< 0.1	8/27/19	50
Aldicarb	< 1	8/27/19	3	Lindane	< 0.1	8/27/19	0.2
Aldicarb Sulfone	< 1	8/27/19	2	Methiocarb	< 1	8/27/19	NR
Aldicarb Sulfoxide	< 1	8/27/19	4	Metolachlor	< 0.1	8/27/19	NR
Aldrin	< 0.1	8/27/19	NR	Methomyl	< 1	8/27/19	NR
Atrazine	< 0.1	8/27/19	3	Methoxychlor	< 0.1	8/27/19	40
Benzo(a)pyrene	< 0.1	8/27/19	0.2	Metribuzin	< 0.1	8/27/19	NR
Butachlor	< 0.1	8/27/19	NR	Oxamyl (Vydate)	< 1	8/27/19	200
Carbaryl	< 1	8/27/19	NR	PCB Aroclor 1016	< 0.2	8/27/19	NR
Carbofuran	< 1	8/27/19	40	PCB Aroclor 1221	< 0.2	8/27/19	NR
Chlordane	< 0.4	8/27/19	2	PCB Aroclor 1232	< 0.2	8/27/19	NR
Dalapon	< 1	8/27/19	200	PCB Aroclor 1242	< 0.2	8/27/19	NR
Di(2-ethylhexyl)adipate	< 1	8/27/19	400	PCB Aroclor 1248	< 0.2	8/27/19	NR
Di (2-Ethylhexyl) phthalate	< 1	8/27/19	6	PCB Aroclor 1254	< 0.2	8/27/19	NR
Dicamba	< 0.5	8/27/19	NR	PCB Aroclor 1260	< 0.2	8/27/19	NR
Dieldrin	< 0.1	8/27/19	NR	Pentachlorophenol	< 0.1	8/27/19	1
Dinoseb	< 1	8/27/19	7	Picloram	< 2	8/27/19	500
Diquat	< 1	8/27/19	NR	Propachlor	< 0.1	8/27/19	NR
Endrin	< 0.1	8/27/19	2	Propoxur (Baygon)	< 1	8/27/19	NR

Ethylene dibromide (EDB)	< 0.02	8/27/19	0.05
Glyphosate	< 10	8/27/19	700

Simazine	< 0.1	8/27/19	4
Toxaphene	< 2	8/27/19	3

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	WTP	Date	MCL
Compliance Gross Alpha (pCi/L)	0	7/9/15	15
Combined Radium (pCi/L)	0.5	7/9/15	5
Uranium (µg/L)	< 1	7/9/15	30

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	2	15	2017
Copper (mg/L) 90th percentile sample	0.070	1.3	2017

INORGANIC CONTAMINANTS (b)

Analyte	WTP	Date	MCL
Antimony (mg/L)	<0.001	7/17/19	0.006
Arsenic (mg/L)	<0.001	7/17/19	0.01
Barium (mg/L)	0.0123	7/17/19	2
Beryllium (mg/L)	<0.001	7/17/19	0.004
Cadmium (mg/L)	<0.001	7/17/19	0.005
Chromium (mg/L)	<0.001	7/17/19	0.1
Fluoride (mg/L)	< 0.20	7/17/19	4
Mercury (mg/L)	<0.0001	7/17/19	0.002
Nitrate-N (mg/L)	0.54	8/27/19	10
Nitrite-N (mg/L)	< 0.2	7/17/19	1
Selenium (mg/L)	<0.001	7/17/19	0.05
Thallium (mg/L)	<0.001	7/17/19	0.002

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	WTP	Date	SMCL
Chloride (mg/L)	78	7/17/19	250
Fluoride (mg/L)	< 0.2	7/18/16	2
Iron (mg/L)	<0.1	7/17/2019	0.3
Manganese (mg/L)	<0.001	7/17/2019	0.05
pH (Standard Units)	7.64	7/17/19	6.5 – 8.5
Sodium (mg/L)	46.4	7/17/2019	100-250
Sulfate (mg/L)	5	7/17/19	250
Zinc (mg/L)	0.181	7/17/2019	5

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	WTP	Date
Alkalinity, Total (mg/L as CaCO ₃)	28	7/17/19
Calcium (mg/L)	8.83	7/17/2019
Copper (mg/L)	<0.001	7/17/2019
Cyanide (mg/L)	< 0.02	8/6/13
Hardness, Total as CaCO ₃ (mg/L)	28.4	7/17/2019
Magnesium (mg/L)	1.55	7/17/2019
Nickel (mg/L)	0.001	7/17/19
Organic Carbon, Dissolved (mg/L)	< 1	12/7/16
Organic Carbon, Total (mg/L)	0.58-1.17	2019
Phosphate, Total as P (mg/L)	0.14-2.19	2019
Radon Gas (pCi/L)	BDL	4/5/06

Microbiological Contaminants (a)

	Results	MCL
Total Coliform*	Absent	≤ 5% / month
E. coli*	Absent	Absent
Chlorine Residual Range (mg/L)	0.2 - 1.0	

*23 Samples are taken weekly from the distribution system.

DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (ug/L)	12-72	80	11/16/18
Haloacetic Acids (ug/L)	5.8-24	60	11/16/18

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Perfluorooctane sulfonate (PFOS) (ng/L)	<2.00	70*	11/4/19
Perfluorooctanoic acid (PFOA) (ng/L)	5.43		11/4/19

*PFOS + PFOA can not exceed 70 ng/L

****FOR PFAS RESULTS UPDATED QUARTERLY, PLEASE SEE "PFAS NOTIFICATIONS" UNDER "WHAT'S NEW" ON WWW.PENNICHUCK.COM**

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.

ng/L nanograms 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 **<** Less Than **ND** Non Detect

WTP=Water Treatment Plant - Nashua

If you have any questions about this report, or about your water quality, please call Matthew Day, Water Quality Manager, 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

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.