

Pennichuck Water Works
WATER QUALITY REPORT
WESCO-HOOKSETT, NH
EPA # 1181020

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

Analyte	Result	MCL
1,1,1,2-Tetrachloroethane	BDL	NR
1,1,1,2,2-Tetrachloroethane	BDL	NR
1,1-Dichloroethane	BDL	NR
1,1-Dichloropropene	BDL	NR
1,2,3-Trichloropropane	BDL	NR
1,2,4-Trimethylbenzene	BDL	NR
1,2-Dibromoethane	BDL	NR
1,2-Dichloroethane	BDL	5
1,3,5-Trimethylbenzene	BDL	NR
1,3-Dichloropropane	BDL	NR
2,2-Dichloropropane	BDL	NR
Acetone	BDL	NR
Bromobenzene	BDL	NR
Bromomethane	BDL	NR
Chlorobenzene	BDL	100
Chloroethane	BDL	NR
Chloromethane	BDL	NR
Dichlorodifluoromethane	BDL	NR
Ethylbenzene	BDL	700
Isopropylbenzene	BDL	NR
Methyl ethyl ketone	BDL	NR
Methylene chloride	BDL	5
Styrene	BDL	100
Tetrachloromethane	BDL	NR
Toluene	BDL	1000
Trichlorofluoromethane	BDL	NR
cis-1, 2-Dichloroethene	BDL	70
m/p - Xylenes	BDL	NR
n-Propylbenzene	BDL	NR
o-Xylene	BDL	NR
p-Isopropyltoluene	BDL	NR
tert-Butylbenzene	BDL	NR
trans-1, 3-Dichloropropene	BDL	NR
1,1,1-Trichloroethane	BDL	200

Analyte	Result	MCL
1,1,2-Trichloroethane	BDL	5
1,1-Dichloroethane	BDL	7
1,2,3-Trichlorobenzene	BDL	NR
1,2,4-Trichlorobenzene	BDL	70
1,2-Dibromo - 3- chloropropane	BDL	0.2
1,2-Dichlorobenzene	BDL	600
1,2-Dichloropropane	BDL	5
1,3-Dichlorobenzene	BDL	NR
1,4-Dichlorobenzene	BDL	75
2-Hexanone	BDL	NR
Benzene	BDL	5
Bromochloromethane	BDL	NR
Carbon Disulfide	BDL	NR
Dibromomethane	BDL	NR
Diethyl ether	BDL	NR
Hexachlorobutadiene	BDL	NR
MIBK	BDL	NR
Methyl-t-butyl-ether	BDL	13
Napthalene	BDL	NR
Tetrachloroethene	BDL	5
Tetrahydrofuran	BDL	NR
Trichloroethene	BDL	5
Vinyl chloride	BDL	2
cis-1, 3-Dichloropropene	BDL	NR
n-Butylbenzene	BDL	NR
o-Chlorotoluene	BDL	NR
p-Chlorotoluene	BDL	NR
sec Butylbenzene	BDL	NR
trans-1, 2-Dichloroethene	BDL	100

TRIHALOMETHANES

Bromodichloromethane	BDL	100
Bromoform	BDL	100
Chlorodibromomethane	BDL	100
Chloroform	BDL	100
Total Trihalomethanes	0	100

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

2,4-D	BDL	70
Acenaphthylene	BDL	NR
Aldicarb	BDL	NR
Aldicarb Sulfoxide	BDL	NR
Anthracene	BDL	NR
Benzo (A) anthracene	BDL	NR
Benzo (B) fluoranthene	BDL	NR
Benzo (K) fluoranthene	BDL	NR
Butylbenzylphthalate	BDL	NR
Carbofuran	BDL	40
Chrysene	BDL	NR
Dibenz (A,H) anthracene	BDL	NR
Dicamba	BDL	NR
Diethylphthalate	BDL	NR
Dinoseb	BDL	7
Ethylene dibromide	BDL	0.05
Glyphosate	BDL	700
Heptachlor Epoxide	BDL	0.2
Hexachlorocyclopentadiene	BDL	50
Isophorone	BDL	NR
Methomyl	BDL	NR
Metholachlor	BDL	NR
Oxamyl	BDL	200
Phenanthrene	BDL	NR
Propachlor	BDL	NR
Silvex	BDL	50
Toxaphene	BDL	3
bis (2-Ethylhexyl) phthalate	BDL	6

3-Hydroxycarbofuran	BDL	NR
Alachlor	BDL	2
Aldicarb Sulfone	BDL	NR
Aldrin	BDL	NR
Atrazine	BDL	3
Benzo (A) pyrene	BDL	NR
Benzo (G,H,I) perylene	BDL	NR
Butachlor	BDL	NR
Carbaryl	BDL	NR
Chlordane	BDL	2
Di-n-butylphthalate	BDL	NR
Dibromochloropropane	BDL	NR
Dieldrin	BDL	NR
Dimethylphthalate	BDL	NR
Endrin	BDL	2
Fluorene	BDL	NR
Heptachlor	BDL	0.4
Hexachlorobenzene	BDL	1
Indeno (1,2,3-CD) pyrene	BDL	NR
Lindane	BDL	0.2
Methoxychlor	BDL	40
Metribuzin	BDL	NR
Pentachlorophenol	BDL	1
Picloram	BDL	500
Pyrene	BDL	NR
Simazine	BDL	4
bis (2-ethylhexyl) adipate	BDL	NR

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL
Antimony (µg/L)	< 2	6
Arsenic (µg/L)	1.8	10
Barium (mg/L)	< 5	2
Beryllium (µg/L)	< 2	4
Cadmium (µg/L)	< 1	5
Chromium (µg/L)	< 5	100
Cyanide (µg/L)	< 50	200
Fluoride (mg/L)	< 0.20	4
Lead (µg/L)	Deleted	AL=15
Mercury (µg/L)	< 1	2
Nickel (µg/L)	< 5	100
Nitrate-N (mg/L)	0.16	10
Nitrite-N (mg/L)	< 0.05	1
Selenium (µg/L)	< 5	50
Thallium (µg/L)	< 1	2

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL
Aluminum (mg/L)	Deleted	0.05
Chloride (mg/L)	42	250
Color (color units)	Deleted	15
Copper (mg/L)	Deleted	AL=1.3
Fluoride (mg/L)	< 0.20	2
Iron (µg/L)	0.358	300
Manganese (µg/L)	105	50
pH (Units)	7	6.5 – 8.5
Silver (µg/L)	< 10	100
Sodium (mg/L)	37.4	100-250
Sulfate (mg/L)	10	250
Total Dissolved Solids (mg/L)	Deleted	500
Zinc (mg/L)	0.02	5

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL
Lead (µg/L) 90th percentile sample	< 5	15
Copper (mg/L) 90th percentile sample	0.348	1.3

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL
Gross Alpha (pCi/L)	< 1	15
Radon Gas (pCi/L)	2000	None

Microbiological Contaminants (a) Results MCL

Contaminant	Results	MCL
Total Coliform	Absent	< 1/month
E. coli	Absent	Absent

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO3 (mg/L)	32.9	11/16/00
Calcium (mg/L)	Deleted	n/a
Chlorine Residual (mg/L)	0.2-0.5	n/a
Hydrogen Sulfate (mg/L)	Deleted	n/a

Analyte (Units)	Results	Date
Specific Conductance (umhos/cm2)	114	11/16/00
Total Hardness as CaCO3 (mg/L)	14.5	11/16/00
Orthophosphate (mg/L)	Deleted	n/a
Magnesium (mg/L)	Deleted	n/a

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

If you have any questions about this report, or about your water quality, please call Gary Tetley, Water Quality Manager, at 1-603-882-5191 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.