

PENNICHUCK WATER WORKS
WATER QUALITY REPORT
Londonderry - Londonderry, NH
EPA # 1391010

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

Analyte	Result	MCL
1,1,1,2-Tetrachloroethane	< 0.5	NR
1,1,1-Trichloroethane	< 0.5	200
1,1,2,2-Tetrachloroethane	< 0.5	NR
1,1,2-Trichloroethane	< 0.5	5
1,1-Dichloroethane	< 0.5	NR
1,1-Dichloroethane	< 0.5	7
1,1-Dichloropropylene	< 0.5	NR
1,2,3-Trichlorobenzene	< 0.5	NR
1,2,3-Trichloropropane	< 0.5	NR
1,2,4-Trichlorobenzene	< 0.5	70
1,2,4-Trimethylbenzene	< 0.5	NR
1,2-Dibromo - 3- chloropropane	< 0.5	0.2
1,2-Dibromoethane	< 0.5	NR
1,2-Dichlorobenzene	< 0.5	600
1,2-Dichloroethane	< 0.5	5
1,2-Dichloropropane	< 0.5	5
1,3,5-Trimethylbenzene	< 0.5	NR
1,3-Dichlorobenzene	< 0.5	NR
1,3-Dichloropropane	< 0.5	NR
1,4-Dichlorobenzene	< 0.5	75
2,2-Dichloropropane	< 0.5	NR
2-Chlorotoluene	<0.5	0.5
2-Hexanone	<10	NR
4-Chlorotoluene	<0.5	0.5
4 Methyl-2-Pentanone (MIBK)	<10	NR
4-Isopropyltoluene	< 0.5	NR
Acetone	<10	NR
Benzene	< 0.5	5
Bromobenzene	< 0.5	NR
Bromochloromethane	< 0.5	NR
Bromomethane	< 0.5	NR
Carbon Disulfide	< 0.5	NR
Chlorobenzene	< 0.5	100
Chloroethane	< 0.5	NR
Chloromethane	< 0.5	NR
cis-1, 2-Dichloroethylene	< 0.5	70
cis-1, 3-Dichloropropylene	< 0.5	NR
Dibromomethane	< 0.5	NR
Dichlorodifluoromethane	< 0.5	NR
Diethyl ether	< 0.5	NR

Analyte	Result	MCL
Diisopropyl Ether (DIPE)	< 0.5	NR
Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR
Ethylbenzene	< 0.5	700
Hexachlorobutadiene	< 0.5	NR
Isopropylbenzene	< 0.5	NR
m/p - Xylenes	< 0.5	NR
Methyl ethyl ketone (MEK) 2-Butanone	<10	NR
Methylene chloride	< 0.5	5
Methyl-t-butyl-ether (MtBE)	< 0.5	13
Napthalene	< 0.5	NR
n-Butylbenzene	< 0.5	NR
Nitrobenzene	<10	NR
n-Propylbenzene	< 0.5	NR
o-Xylene	< 0.5	NR
sec Butylbenzene	< 0.5	NR
Styrene	< 0.5	100
Tert-Amyl Methyl Ether (TAME)	< 0.5	NR
Tert-Butyl Alcohol (TBA)	<10	NR
Tert-Butylbenzene	< 0.5	NR
Tetrachloroethylene	< 0.5	5
Tetrachloromethane	< 0.5	NR
Tetrahydrofuran	<10	NR
Toluene	< 0.5	1000
Total Xylenes	< 0.5	10,000
Trans-1, 2-Dichloroethylene	< 0.5	100
Trans-1, 3-Dichloropropylene	< 0.5	NR
Trichloroethylene	< 0.5	5
Trichlorofluoromethane	< 0.5	NR
Vinyl chloride	< 0.5	2
Total Trihalomethanes	2.6	80
Haloacetic Acids (5)	4.3	60

DISINFECTION BY-PRODUCTS (a)

Total Trihalomethanes	2.9-3.4	80
Haloacetic Acids	<1-11	60

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

2,4,5-TP (Silvex)	BDL	50
2,4-D	BDL	70
3-Hydroxycarbofuran	BDL	NR
Alachlor	BDL	2
Aldicarb	BDL	NR
Aldicarb Sulfone	BDL	NR
Aldicarb Sulfoxide	BDL	NR
Aldrin	BDL	NR
Atrazine	BDL	3
Benzo (A) pyrene	BDL	NR
Butachlor	BDL	NR
Carbaryl	BDL	NR
Carbofuran	BDL	40
Chlordane	BDL	2
Di (2-ethylhexyl) adipate	BDL	NR
Di (2-Ethylhexyl) phthalate	BDL	6
Dibromochloropropane (DBCP)	BDL	NR
Dicamba	BDL	NR
Dieldrin	BDL	NR

Dinoseb	BDL	7
Endrin	BDL	2
Ethylene dibromide (EDB)	BDL	0.05
Fluorene	BDL	NR
Glyphosate	BDL	700
Heptachlor	BDL	0.4
Heptachlor Epoxide	BDL	0.2
Hexachlorobenzene	BDL	1
Hexachlorocyclopentadiene	BDL	50
Lindane	BDL	0.2
Metholachlor	BDL	NR
Methomyl	BDL	NR
Methoxychlor	BDL	40
Metribuzin	BDL	NR
Oxamyl (Vydate)	BDL	200
Pentachlorophenol	BDL	1
Picloram	BDL	500
Propachlor	BDL	NR
Simazine	BDL	4
Toxaphene	BDL	3

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL
Antimony (µg/L)	nd	6
Arsenic (µg/L)	nd	10
Barium (mg/L)	0.009	2
Beryllium (µg/L)	nd	4
Cadmium (µg/L)	nd	5
Chlorine (mg/L)	0.15 - 2.2	4
Chromium (µg/L)	0.5	100
Cyanide (µg/L)	nd	200
Fluoride (mg/L)	1.14	4
Mercury (µg/L)	nd	2
Nickel (µg/L)	nd	100
Nitrate-N (mg/L)	0.26	10
Nitrite-N (mg/L)	nd	1
Selenium (µg/L)	nd	50
Thallium (µg/L)	nd	2
Hardness (mg/L @ CaCO ₃)	12	NR

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL
Adjusted Gross Alpha (pCi/L)	nd	15
Radon Gas (pCi/L)	nd	None
Radium-226 (pCi/L)	nd	5
Radium-228 (pCi/L)	nd	5
Uranium (µg/L)	nd	30

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	7	15	2009
Copper (mg/L) 90th percentile sample	0.036	1.3	2009

Microbiological Contaminants (a)

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

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

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.