

PENNICHUCK WATER WORKS
WATER QUALITY REPORT
Springwood Hills - Londonderry, NH
EPA # 1392260

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 |
| 1,1,1,2,2-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 |
| | | |
| | | |
| DISINFECTION BY-PRODUCTS (a) | | |
| Total Trihalomethanes | 3.2 | 80 |
| Haloacetic Acids (5) | 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) | 1 | 10 |
| Barium (mg/L) | 0.01 | 2 |
| Beryllium (µg/L) | nd | 4 |
| Cadmium (µg/L) | nd | 5 |
| Chlorine (mg/L) | 0.2-1.0 | 4 |
| Chromium (µg/L) | 0.5 | 100 |
| Cyanide (µg/L) | 0.06 | 200 |
| Fluoride (mg/L) | 1.1 | 4 |
| Mercury (µg/L) | nd | 2 |
| Nickel (µg/L) | nd | 100 |
| Nitrate-N (mg/L) | 0.29 | 10 |
| Nitrite-N (mg/L) | nd | 1 |
| Selenium (µg/L) | nd | 50 |
| Thallium (µg/L) | nd | 2 |

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 | < 5 | 15 | 2009 |
| Copper (mg/L) 90th percentile sample | 0.059 | 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.