

Water Quality Report  
PEU/LONDONDERRY  
EPA # 1391010

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

| Analyte                        | Results | MCL | Date    | Analyte                              | Results | MCL    | Date    |
|--------------------------------|---------|-----|---------|--------------------------------------|---------|--------|---------|
| 1,1,1,2-Tetrachloroethane      | <0.5    | NR  | 8/12/20 | Chloroform                           | 0.8     | 80     | 8/12/20 |
| 1,1,1-Trichloroethane          | <0.5    | 200 | 8/12/20 | Chloromethane                        | <0.5    | NR     | 8/12/20 |
| 1,1,2,2-Tetrachloroethane      | <0.5    | NR  | 8/12/20 | cis-1, 2-Dichloroethylene            | <0.5    | 70     | 8/12/20 |
| 1,1,2-Trichloroethane          | <0.5    | 5   | 8/12/20 | cis-1, 3-Dichloropropylene           | <0.5    | NR     | 8/12/20 |
| 1,1-Dichloroethane             | <0.5    | NR  | 8/12/20 | Dibromochloromethane                 | 0.6     | 80     | 8/12/20 |
| 1,1-Dichloroethylene           | <0.5    | 7   | 8/12/20 | Dibromomethane                       | <0.5    | NR     | 8/12/20 |
| 1,1-Dichloropropylene          | <0.5    | NR  | 8/12/20 | Dichlorodifluoromethane              | <0.5    | NR     | 8/12/20 |
| 1,2,3-Trichlorobenzene         | <0.5    | NR  | 8/12/20 | Diethyl ether                        | <0.5    | NR     | 8/12/20 |
| 1,2,3-Trichloropropane         | <0.5    | NR  | 8/12/20 | Diisopropyl Ether (DIPE)             | <0.5    | NR     | 8/12/20 |
| 1,2,4-Trichlorobenzene         | <0.5    | 70  | 8/12/20 | Ethyl Tert-Butyl Ether (ETBE)        | <0.5    | NR     | 8/12/20 |
| 1,2,4-Trimethylbenzene         | <0.5    | NR  | 8/12/20 | Ethylbenzene                         | <0.5    | 700    | 8/12/20 |
| 1,2-Dibromo - 3- chloropropane | <0.5    | 0.2 | 8/12/20 | Hexachlorobutadiene                  | <0.5    | NR     | 8/12/20 |
| 1,2-Dibromoethane              | <0.5    | NR  | 8/12/20 | Isopropylbenzene                     | <0.5    | NR     | 8/12/20 |
| 1,2-Dichlorobenzene            | <0.5    | 600 | 8/12/20 | m/p - Xylenes                        | <1      | NR     | 8/12/20 |
| 1,2-Dichloroethane             | <0.5    | 5   | 8/12/20 | Methyl ethyl ketone (MEK) 2-Butanone | <0.5    | NR     | 3/7/08  |
| 1,2-Dichloropropane            | <0.5    | 5   | 8/12/20 | Methylene chloride                   | <0.5    | 5      | 3/7/08  |
| 1,3,5-Trimethylbenzene         | <0.5    | NR  | 8/12/20 | Methyl-t-butyl-ether (MTBE)          | <0.5    | 13     | 8/12/20 |
| 1,3-Dichlorobenzene            | <0.5    | NR  | 8/12/20 | Naphthalene                          | <0.5    | NR     | 8/12/20 |
| 1,3-Dichloropropane            | <0.5    | NR  | 8/12/20 | n-Butylbenzene                       | <0.5    | NR     | 8/12/20 |
| 1,4-Dichlorobenzene            | <0.5    | 75  | 8/12/20 | Nitrobenzene                         | NT      | NR     | 3/7/08  |
| 2,2-Dichloropropane            | <0.5    | NR  | 3/7/08  | n-Propylbenzene                      | <0.5    | NR     | 8/12/20 |
| 2-Butanone (MEK)               | <10     | NR  | 3/7/08  | o-Xylene                             | <0.5    | NR     | 8/12/20 |
| 2-Chlorotoluene                | <0.5    | 0.5 | 8/12/20 | sec Butylbenzene                     | <0.5    | NR     | 8/12/20 |
| 2-Hexanone                     | <10     | NR  | 3/7/08  | Styrene                              | <0.5    | 100    | 8/12/20 |
| 4 Methyl-2-Pentanone (MIBK)    | <10     | NR  | 3/7/08  | Tert-Amyl Methyl Ether (TAME)        | <0.5    | NR     | 8/12/20 |
| 4-Chlorotoluene                | <0.5    | 0.5 | 8/12/20 | Tert-Butyl Alcohol (TBA)             | <10     | NR     | 8/12/20 |
| 4-Isopropyltoluene             | <0.5    | NR  | 8/12/20 | Tert-Butylbenzene                    | <0.5    | NR     | 8/12/20 |
| Acetone                        | <10     | NR  | 3/7/08  | Tetrachloroethylene                  | 1       | 5      | 8/12/20 |
| Benzene                        | <0.5    | 5   | 8/12/20 | Tetrachloromethane                   | NT      | NR     | 8/12/20 |
| Bromobenzene                   | <0.5    | NR  | 8/12/20 | Tetrahydrofuran                      | <10     | NR     | 8/12/20 |
| Bromochloromethane             | <0.5    | NR  | 8/12/20 | Toluene                              | <0.5    | 1000   | 8/12/20 |
| Bromodichloromethane           | 0.9     | 80  | 8/12/20 | Total Trihalomethanes                | 1.7     | 80     | 8/12/20 |
| Bromoform                      | <0.5    | 80  | 8/12/20 | Total Xylenes                        | <0.5    | 10,000 | 8/12/20 |
| Bromomethane                   | <0.5    | NR  | 8/12/20 | Trans-1, 2-Dichloroethylene          | <0.5    | 100    | 8/12/20 |
| Carbon Disulfide               | <0.5    | NR  | 8/12/20 | Trans-1, 3-Dichloropropylene         | <0.5    | NR     | 8/12/20 |
| Carbon Tetrachloride           | <0.5    | 5   | 8/12/20 | Trichloroethylene                    | <0.5    | 5      | 8/12/20 |
| Chlorobenzene                  | <0.5    | 100 | 8/12/20 | Trichlorofluoromethane               | <0.5    | NR     | 8/12/20 |
| Chloroethane                   | <0.5    | NR  | 8/12/20 | Vinyl chloride                       | <0.5    | 2      | 8/12/20 |

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

| Analyte                     | Results | MCL  | Date    | Analyte                   | Results | MCL | Date    |
|-----------------------------|---------|------|---------|---------------------------|---------|-----|---------|
| 2,4,5-TP (Silvex)           | ND      | 50   | 8/14/20 | Heptachlor                | ND      | 0.4 | 8/20/20 |
| 2,4-D                       | ND      | 70   | 8/14/20 | Heptachlor Epoxide        | ND      | 0.2 | 8/20/20 |
| 3-Hydroxycarbofuran         | ND      | NR   | 8/22/20 | Hexachlorobenzene         | ND      | 1   | 8/20/20 |
| Alachlor                    | ND      | 2    | 8/20/20 | Hexachlorocyclopentadiene | ND      | 50  | 8/20/20 |
| Aldicarb                    | ND      | NR   | 8/22/20 | Lindane                   | ND      | 0.2 | 8/20/20 |
| Aldicarb Sulfone            | ND      | NR   | 8/22/20 | Methiocarb                | ND      | 7   | 8/22/20 |
| Aldicarb Sulfoxide          | ND      | NR   | 8/22/20 | Methomyl                  | ND      | NR  | 8/22/20 |
| Aldrin                      | ND      | NR   | 8/20/20 | Methoxychlor              | ND      | 40  | 8/20/20 |
| Atrazine                    | ND      | 3    | 8/20/20 | Metolachlor               | ND      | 40  | 8/20/20 |
| Benzo(a)pyrene              | ND      | 0.2  | 8/20/20 | Metribuzin                | ND      | NR  | 8/22/20 |
| Butachlor                   | ND      | NR   | 8/20/20 | Oxamyl (Vydate)           | ND      | 200 | 8/22/20 |
| Carbaryl                    | ND      | NR   | 8/22/20 | PCB Aroclor 1016          | ND      | NR  | 8/18/20 |
| Carbofuran                  | ND      | 40   | 8/22/20 | PCB Aroclor 1221          | ND      | NR  | 8/18/20 |
| Chlordane                   | ND      | 2    | 8/18/20 | PCB Aroclor 1232          | ND      | NR  | 8/18/20 |
| Dalapon                     | ND      | 200  | 8/14/20 | PCB Aroclor 1242          | ND      | NR  | 8/18/20 |
| Di (2-ethylhexyl) adipate   | <1      | 400  | 8/12/20 | PCB Aroclor 1248          | ND      | NR  | 8/18/20 |
| Di (2-Ethylhexyl) phthalate | <1      | 6    | 8/12/20 | PCB Aroclor 1254          | ND      | NR  | 8/18/20 |
| Dibromochloropropane (DBCP) | NT      | 0.2  | NT      | PCB Aroclor 1160          | ND      | NR  | 8/18/20 |
| Dicamba                     | ND      | NR   | 8/14/20 | Pentachlorophenol         | ND      | 1   | 8/14/20 |
| Dieldrin                    | ND      | NR   | 8/20/20 | Picloram                  | ND      | 500 | 8/14/20 |
| Dinoseb                     | ND      | 7    | 8/14/20 | Propachlor                | ND      | NR  | 8/20/20 |
| Diquat                      | ND      | 20   | 8/17/20 | Propoxur (Baygon)         | ND      | NR  | 8/22/20 |
| Endrin                      | ND      | 2    | 8/20/20 | Simazine                  | ND      | 4   | 8/20/20 |
| Ethylene dibromide (EDB)    | ND      | 0.05 | 8/18/20 | Toxaphene                 | ND      | 3   | 8/18/20 |
| Glyphosate                  | ND      | 700  | 8/15/20 |                           |         |     |         |

**RADIOLOGICAL CONTAMINANTS (b)**

| Analyte (Units)                | Results | MCL | Date |
|--------------------------------|---------|-----|------|
| Compliance Gross Alpha (pCi/L) | NT      | 15  | NT   |
| Radium 226 & 228 (pCi/L)       | NT      | 5   | NT   |
| Uranium (µg/L)                 | NT      | 30  | NT   |

**FIRST DRAW LEAD AND COPPER (a)**

| Analyte                              | Results | AL  | Date     |
|--------------------------------------|---------|-----|----------|
| Lead (µg/L) 90th percentile sample   | 0.001   | 15  | 4/9/2018 |
| Copper (mg/L) 90th percentile sample | 0.106   | 1.3 | 4/9/2018 |

**INORGANIC CONTAMINANTS (b)**

| Analyte          | Results | MCL   | Date    |
|------------------|---------|-------|---------|
| Antimony (mg/L)  | <0.001  | 0.006 | 8/12/20 |
| Arsenic (mg/L)   | <0.001  | 0.01  | 8/12/20 |
| Barium (mg/L)    | 0.0122  | 2     | 8/12/20 |
| Beryllium (mg/L) | <0.001  | 0.004 | 8/12/20 |
| Cadmium (mg/L)   | <0.001  | 0.005 | 8/12/20 |
| Chromium (mg/L)  | <0.001  | 0.1   | 8/12/20 |
| Fluoride (mg/L)  | 0.67    | 4     | 8/12/20 |
| Mercury (mg/L)   | <0.001  | 0.002 | 8/12/20 |
| Nitrate-N (mg/L) | <0.2    | 10    | 8/12/20 |
| Nitrite-N (mg/L) | <0.2    | 1     | 8/12/20 |
| Selenium (mg/L)  | <0.001  | 0.05  | 8/12/20 |
| Thallium (mg/L)  | <0.001  | 0.002 | 8/12/20 |

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

| Analyte             | Results | SMCL      | Date    |
|---------------------|---------|-----------|---------|
| Chloride (mg/L)     | 53      | 250       | 8/12/20 |
| Fluoride (mg/L)     | 0.67    | 2         | 8/12/20 |
| Iron (mg/L)         | <0.01   | 0.3       | 8/12/20 |
| Manganese (mg/L)    | 0.0057  | 0.05      | 8/12/20 |
| pH (Standard Units) | 7.5     | 6.5 – 8.5 | 8/12/20 |
| Sulfate (mg/L)      | 18      | 250       | 8/12/20 |
| Zinc (mg/L)         | 0.0012  | 5         | 8/12/20 |

**Microbiological Contaminants (a)**

| Analyte                          | Results | MCL       | Frequency |
|----------------------------------|---------|-----------|-----------|
| Total Coliform                   | Absent  | ≤ 1/month | Monthly   |
| E. coli                          | Absent  | Absent    | Monthly   |
| Chlorine Residual Average (mg/L) | 1.62    |           |           |

**DISINFECTION BY-PRODUCTS (a)**

| Analyte                      | Results | MCL | Date      |
|------------------------------|---------|-----|-----------|
| Total Trihalomethanes (µg/L) | 2.4-3.6 | 80  | 8/11/2020 |
| Haloacetic Acids (µg/L)      | <1-3.1  | 60  | 8/11/2020 |

**Perfluorinated Chemicals (PFCs)**

**UNREGULATED CONTAMINANTS (b)**

| Analyte (Units)                        | Results | Date    |
|----------------------------------------|---------|---------|
| Alkalinity as CaCO <sub>3</sub> (mg/L) | 30      | 8/12/20 |
| Calcium (mg/L)                         | 4.9     | 8/12/20 |
| Copper (mg/L)                          | <0.001  | 8/12/20 |

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| Analyte (Units)                             | Results | MCL | Date   | Hardness, Total as CaCO <sub>3</sub> (mg/L) | 17.2   | 8/12/20 |
|---------------------------------------------|---------|-----|--------|---------------------------------------------|--------|---------|
| Perfluorobutanesulfonic acid (PFBS) (ng/L)  | <2.0    | NR  | 1/8/20 | Magnesium (mg/L)                            | 1.2    | 8/12/20 |
| Perfluoroheptanoic acid (PFHpA) (ng/L)      | <2.0    | NR  | 1/8/20 | Nickel (mg/L)                               | <0.001 | 8/12/20 |
| Perfluorohexanesulfonic acid (PFHxS) (ng/L) | <2.0    | NR  | 1/8/20 | Radon Gas (pCi/L)                           | NT     | NT      |
| Perfluorononanoic acid (PFNA) (ng/L)        | <2.0    | NR  | 1/8/20 | Sodium (mg/L)                               | 46     | 8/12/20 |
| Perfluorooctane sulfonate (PFOS) (ng/L)     | <2.0    | 70* | 1/8/20 |                                             |        |         |
| Perfluorooctanoic acid (PFOA) (ng/L)        | 5.39    |     | 1/8/20 |                                             |        |         |

\*PFOS + PFOA can not exceed 70 ng/L

**SOURCE WATER AND TREATMENT INFORMATION**

**Water Source:** Two bedrock wells.

**Treatment:** Chlorination to kill bacteria and softening to reduce water hardness.

**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 - These standards are developed to protect the aesthetic qualities of drinking water and are not health based 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 trillion.

**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 Matthew Day, Lab Director, 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 Protection Agency's Safe Drinking Water Hotline 1-800-426-4791.