

Town of Yarmouth Facility and Distribution Results

BV Labs

Report Date: 2020/06/17

**ELEMENTS BY ICP/MS (WATER)**

| BV Labs               |                          |            |            |            |            |            |            |            |                    |   |
|-----------------------|--------------------------|------------|------------|------------|------------|------------|------------|------------|--------------------|---|
| Sampling Date         |                          | 2021-02-21 | 2021-02-21 | 2021-02-21 | 2021-02-21 | 2021-02-21 | 2021-02-21 | 2021-02-21 | 2021-02-21         |   |
| sampling location     |                          | A          | B          | C          | D          | E          | F          | G          | Treatment Facility |   |
|                       | UNITS                    |            |            |            |            |            |            |            |                    |   |
| Metals/Elements       | Parts Per Billion (µg/L) |            |            |            |            |            |            |            |                    | Maximum Acceptable Concentration (MAC) µg/l |
| Total Aluminum (Al)   | µg/l                     | 35         | 32         | 35         | 29         | 36         | 33         | 37         | 36                 | 2,900.0                                     |
| Total Antimony (Sb)   | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 6.0   |
| Total Arsenic (As)    | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 10.0  |
| Total Barium (Ba)     | µg/l                     | 2.5        | 2.7        | 2.6        | 2.4        | 2.6        | 2.8        | 2.6        | 2.9                | 1,000.0                                     |
| Total Beryllium (Be)  | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 4.0   |
| Total Bismuth (Bi)    | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Boron (B)       | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 5000.0                                      |
| Total Cadmium (Cd)    | µg/l                     | 0.016      | 0.013      | 0.013      | 0.014      | 0.013      | 0.010      | 0.012      | 0.012              | 5.0   |
| Total Calcium (Ca)    | µg/l                     | 11000      | 11000      | 11000      | 11000      | 11000      | 11000      | 11000      | 11000              | none given or required                      |
| Total Chromium (Cr)   | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 50.0  |
| Total Cobalt (Co)     | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Copper (Cu)     | µg/l                     | 6.8        | 42         | 4.1        | 18         | ND         | 0.71       | 7.0        | 0.55               | 2,000.0                                     |
| Total Iron (Fe)       | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none  |
| Total Lead (Pb)       | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 5.0 ALARA <sup>1</sup>                      |
| Total Magnesium (Mg)  | µg/l                     | 840        | 880        | 840        | 810        | 830        | 820        | 870        | 860                | none given or required                      |
| Total Manganese (Mn)  | µg/l                     | 2.9        | ND         | ND         | ND         | ND         | ND         | 2.2        | 5.4                | 120.0                                       |
| Total Molybdenum (Mo) | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Nickel (Ni)     | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Phosphorus (P)  | µg/l                     | 320        | 310        | 330        | 320        | 300        | 360        | 380        | ND                 | none given or required                      |
| Total Potassium (K)   | µg/l                     | 370        | 380        | 370        | 370        | 380        | 390        | 370        | 370                | none given or required                      |
| Total Selenium (Se)   | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 50.0  |
| Total Silver (Ag)     | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Sodium (Na)     | µg/l                     | 16000      | 17000      | 16000      | 16000      | 16000      | 16000      | 17000      | 16000              | none  |
| Total Strontium (Sr)  | µg/l                     | 12         | 12         | 11         | 12         | 11         | 13         | 12         | 12                 | 7,000.0                                     |
| Total Thallium (Tl)   | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Tin (Sn)        | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Titanium (Ti)   | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Uranium (U)     | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | 20.0  |
| Total Vanadium (V)    | µg/l                     | ND         | ND         | ND         | ND         | ND         | ND         | ND         | ND                 | none given or required                      |
| Total Zinc (Zn)       | µg/l                     | 290        | 320        | 280        | 280        | 280        | 300        | 290        | 14                 | none given or required                      |

<sup>1</sup> As Low As Reasonably Achievable

**The test results of all parameters are BELOW the Canadian Drinking Water Guideline Maximum Acceptable Concentrations**

ND = Not detected

**µg/L = parts per billion**

NS = not sampled