

## **Drinking Water (lot 0524) - Major ions and nutrients**

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | NW-LETH-13                        |
| Unit            | 500 mL                            |
| Deliverydetails | No Dangerous Good /not restricted |

### Description

NW-LETH-13 was collected from Lethbridge, Alberta in 2013. The bulk sample was pre filtered to remove particulates and filtered through a 0.2 µm sterilizing filter to remove bacteria. This bulk Major Ions and Nutrients in water RM is stored in a dark cold room and is unpreserved. This Reference Material is intended for the verification or development of analytical methods for environmental analysis. It is not intended for use as a calibration standard.

| Text/Information | Analyte/Parameter                         | CAS number   | Concentration/Value | Unit  | Method | Source |
|------------------|---|--------------|---------------------|-------|--------|--------|
|                  | Alkalinity, Total (as CaCO <sub>3</sub> ) |              | 127 ± 5             | mg/L  |        |        |
|                  | Ammonia (as N)                            |              | 0,313 ± 0,045       | mg/L  |        |        |
|                  | Boron (B)                                 | [7440-42-8]  | 0,0313 ± 0,0042     | mg/L  |        |        |
|                  | Calcium (Ca)                              | [7440-70-2]  | 41,7 ± 3,0          | mg/L  |        |        |
|                  | Chloride (Cl)                             |              | 20,0 ± 1,0          | mg/L  |        |        |
|                  | Conductivity (25°C)                       |              | 388 ± 13            | µS/cm |        |        |
|                  | Dissolved Inorganic Carbon (DIC)          |              | 29,9 ± 3,6          | mg/L  |        |        |
|                  | Dissolved Organic Carbon (DOC)            |              | 1,88 ± 0,37         | mg/L  |        |        |
|                  | Fluoride (F)                              |              | 0,769 ± 0,067       | mg/L  |        |        |
|                  | Magnesium (Mg)                            | [7439-95-4]  | 15,5 ± 1,2          | mg/L  |        |        |
|                  | Potassium (K)                             | [7440-09-7]  | 1,63 ± 0,15         | mg/L  |        |        |
|                  | Silicates (as SiO <sub>2</sub> )          |              | 2,64 ± 0,17         | mg/L  |        |        |
|                  | Sodium (Na)                               | [7440-23-5]  | 13,2 ± 0,9          | mg/L  |        |        |
|                  | Sulfate (as SO <sub>4</sub> )             | [14808-79-8] | 41,2 ± 2,1          | mg/L  |        |        |
|                  | Hardness, Total (as CaCO <sub>3</sub> )   |              | 168 ± 13            | mg/L  |        |        |
|                  | Total Kjeldahl Nitrogen (TKN)             |              | 0,429 ± 0,094       | mg/L  |        |        |
|                  | Total nitrogen                            |              | 0,490 ± 0,069       | mg/L  |        |        |