

Lake Water (lot 1024) - Major ions and nutrients

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|-----------------|-----------------------------------|
| Art. ID | NW-AES-15 |
| Unit | 500 mL |
| Deliverydetails | No Dangerous Good /not restricted |

Description

Environment and Climate Change Canada matrix reference materials (RMs) are collected in bulk from various locations across North America. AES-15 was collected from Downsview, Ontario in September and November 2014. The bulk sample was re 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 |
|------------------|----------------------------------|--------------|---------------------|-------|--------|--------|
| | Aluminium (Al) | [7429-90-5] | 0,00913 ± 0,00582 | mg/L | | |
| | Ammonia (as N) | | 0,157 ± 0,012 | mg/L | | |
| | Calcium (Ca) | [7440-70-2] | 0,112 ± 0,022 | mg/L | | |
| | Chloride (Cl) | | 0,299 ± 0,034 | mg/L | | |
| | Conductivity (25°C) | | 5,25 ± 0,75 | µS/cm | | |
| | Dissolved Inorganic Carbon (DIC) | | 0,395 ± 0,168 | mg/L | | |
| | Magnesium (Mg) | [7439-95-4] | 0,0343 ± 0,0063 | mg/L | | |
| | Nitrate + Nitrite (as N) | | 0,123 ± 0,010 | mg/L | | |
| at 25°C | pH (25°C) | | 5,58 ± 0,24 | | | |
| | Sodium (Na) | [7440-23-5] | 0,238 ± 0,024 | mg/L | | |
| | Sulfate (as SO ₄) | [14808-79-8] | 0,558 ± 0,056 | mg/L | | |