

## **Natural lake water (lot 0524) - Major ions and nutrients**

Art. ID	NW-LON-18
Unit	500 mL
Deliverydetails	No Dangerous Good /not restricted

### Description

NW-LON-18 was collected from Lake Ontario in 20181. 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 C aCO <sub>3</sub> )		94,0 ± 4,7	mg/L		
	Calcium (Ca)	[7440-70-2]	33,8 ± 2,6	mg/L		
	Chloride (Cl)		23,4 ± 0,9	mg/L		
	Conductivity (25°C)		308 ± 12	µS/cm		
	Dissolved Organic Carbo n (DOC)		1,9 ± 0,4	mg/L		
	Fluoride (F)		0,11 ± 0,02	mg/L		
	Magnesium (Mg)	[7439-95-4]	8,86 ± 0,67	mg/L		
	Nitrate + Nitrite (as N )		0,33 ± 0,036	mg/L		
at 25°C	pH (25°C)		8,1 ± 0,21			
	Potassium (K)	[7440-09-7]	1,61 ± 0,15	mg/L		
	Silicates (as SiO <sub>2</sub> )		0,755 ± 0,062	mg/L		
	Sodium (Na)	[7440-23-5]	13,9 ± 0,9	mg/L		
	Sulfate (as SO <sub>4</sub> )	[14808-79-8]	23,9 ± 1,0	mg/L		
	Hardness, Total (as CaC O <sub>3</sub> )		121 ± 8	mg/L		
	Total nitrogen		0,465 ± 0,063	mg/L		