

Lake Water (lot 1024) - Major ions and nutrients

Art. ID	NW-AES-15
Unit	500 mL
Delivery details	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		