

## **River Water (lot 1123) - Major ions and nutrients**

Art. ID	NW-BATTLE-19
Unit	500 mL
Deliverydetails	No Dangerous Good /not restricted

### Description

NW-BATTLE-19 was collected from the Battelford River, Saskatchewan in 2019. The bulk sample was centrifuged or 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> )		191 ± 8	mg/L		
	Calcium (Ca)	[7440-70-2]	30,7 ± 1,8	mg/L		
	Chloride (Cl)		16,8 ± 0,8	mg/L		
	Conductivity (25°C)		575 ± 18	µS/cm		
	Dissolved Inorganic Carbon (DIC)		45,1 ± 4,5	mg/L		
	Dissolved Organic Carbon (DOC)		5,47 ± 0,71	mg/L		
	Fluoride (F)		0,0987 ± 0,0163	mg/L		
	Magnesium (Mg)	[7439-95-4]	17,1 ± 1,5	mg/L		
at 25°C	pH (25°C)		8,34 ± 0,20			
	Potassium (K)	[7440-09-7]	4,24 ± 0,43	mg/L		
	Silicates (as SiO <sub>2</sub> )		4,15 ± 0,29	mg/L		
	Sodium (Na)	[7440-23-5]	70,3 ± 4,9	mg/L		
	Sulfate (as SO <sub>4</sub> )	[14808-79-8]	84,7 ± 4,4	mg/L		
	Hardness, Total (as CaCO <sub>3</sub> )		147 ± 9	mg/L		
	Total nitrogen		0,357 ± 0,084	mg/L		