

Online Resources 5. Validation parameters, technical specifications used in the analytical procedures.

Parameter	Measure-ment range	LOD ¹	LOQ ²	Measurement instrumentation
Anions [mg/L]	0.06-500	0.055-0.09	0.027-0.17	column: Ion Pac®AS22 (2x250 mm); suppressor: ASRS-300, 2 mm, mobile phase: 4.5 mM CO ₃ ²⁻ , 1.4 mM HCO ₃ ⁻ , flow rate: 0.30 ml/min, detection: conductivity
Cations[mg/L]	0.03-500	0.01	0.030	column: Ion Pac® CS14 (3x250 mm); suppressor: CSRS-300, 2 mm, mobile phase: 38 mM metasulfonic acid, flow rate: 0.36 ml/min, detection: conductivity

DIONEX 3000 chromatograph (DIONEX, USA)

Snapshot of micro-animals and associated biotic and abiotic environmental variables on the edge of south-west Greenland ice sheet. *Limnology*.

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¹ limit of detection (LOD) was calculated based on the standard deviation of the response (s) and the slope of the calibration curve (b) according to the formula: LOD = 3.3(s/b)

² limit of quantitation (LOQ) was calculated based on the standard deviation of the response (s) and the slope of the calibration curve (b) according to the formula: LOQ = 10(s/b).