Table S10: Reference method results for selected analytes

Ion	Analytical Technique	Concentration ($mg \cdot L^{-1}$)
Calcium	AAS - Standard Methods 3500-Ca.B	< 0.50
Magnesium	AAS - Standard Methods 3500-Mg.B	7631.60
Sodium	AAS - Standard Methods 3500-Na.B	4563.60
Potassium	AAS - Standard Methods 3500-K.B	45714.30
Ammonium	Colorimetry - Standard Methods 4500-NH_3.D	190.00
Nitrate	Colorimetry - Standard Methods 4500-NO_3	83500.00
Nitrite	Colorimetry - Standard Methods 4500-NO_2^-.B	< 0.02
Chloride	Colorimetry - Standard Methods 4500-Cl^-.B	4.00
Sulfate	Turbidimetry - Standard Methods 4500-SO_4^{2-}.E	81000.00
Carbonate	Titrimetry - Standard Methods 2320.B	0.00
Phosphorus	Colorimetry - Standard Methods 4500-P.E	90.00
Iron	AAS - Standard Methods 3500-Fe.B	< 0.02