

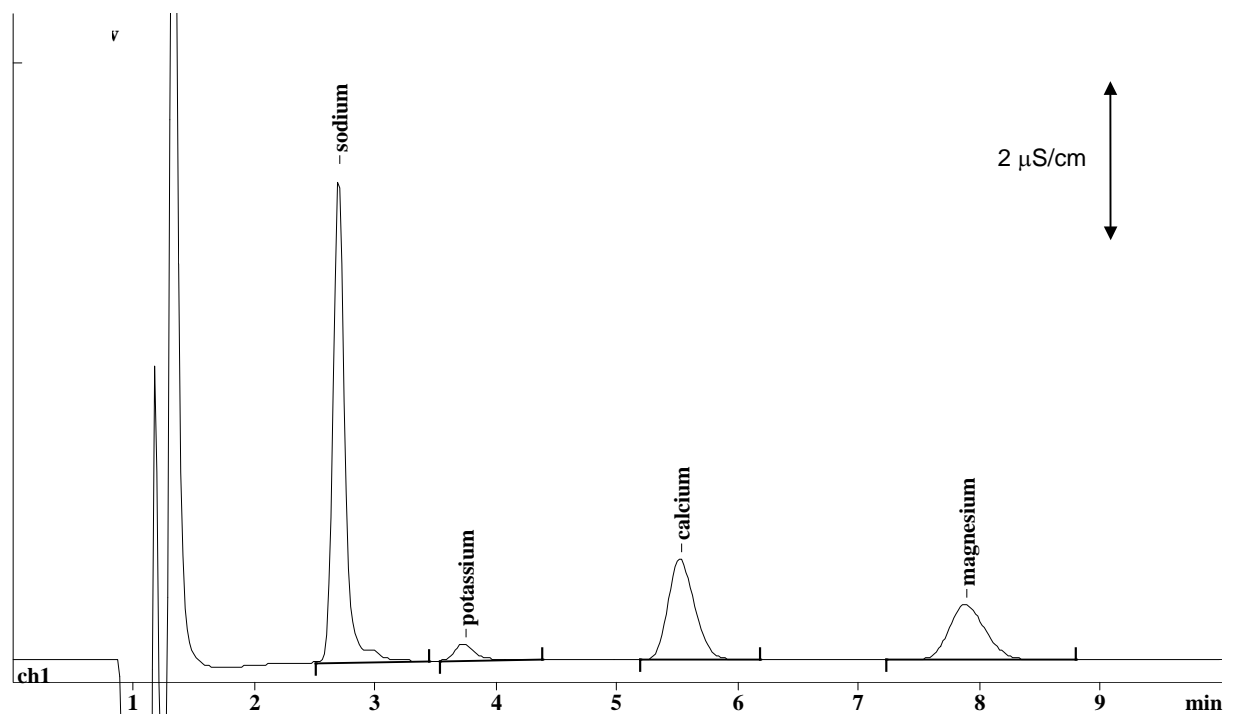
IC Application Note No. C-2

Title: Sodium, Potassium, Calcium and Magnesium in cooling water

Summary: Determination of sodium, potassium, calcium and magnesium in cooling water using cation chromatography with direct conductivity detection.

Sample: Cooling water
Sample Preparation: Acidification with 100 μL 2 mol/L HNO_3 per 100 mL sample

Column: 6.1010.000 Metrosep Cation 1-2
Eluent: 4 mmol/L Tartaric acid, 1 mmol/L dipicolinic acid
Flow: 1.0 mL/min
Injection Volume: 10 μL



Results:	Na^+ mg/L	K^+ mg/L	Ca^{2+} mg/L	Mg^{2+} mg/L
		40.4	4.1	24.9