

IC Application Note No. C-56

Title: Sodium, ammonium, methylamine, guanidine, and aminoguanidine in waste water

Summary: Determination of sodium, ammonium, methylamine, guanidine (Gu), and aminoguanidine (Agu) in waste water using cation chromatography with direct conductivity detection.

Sample: Waste water

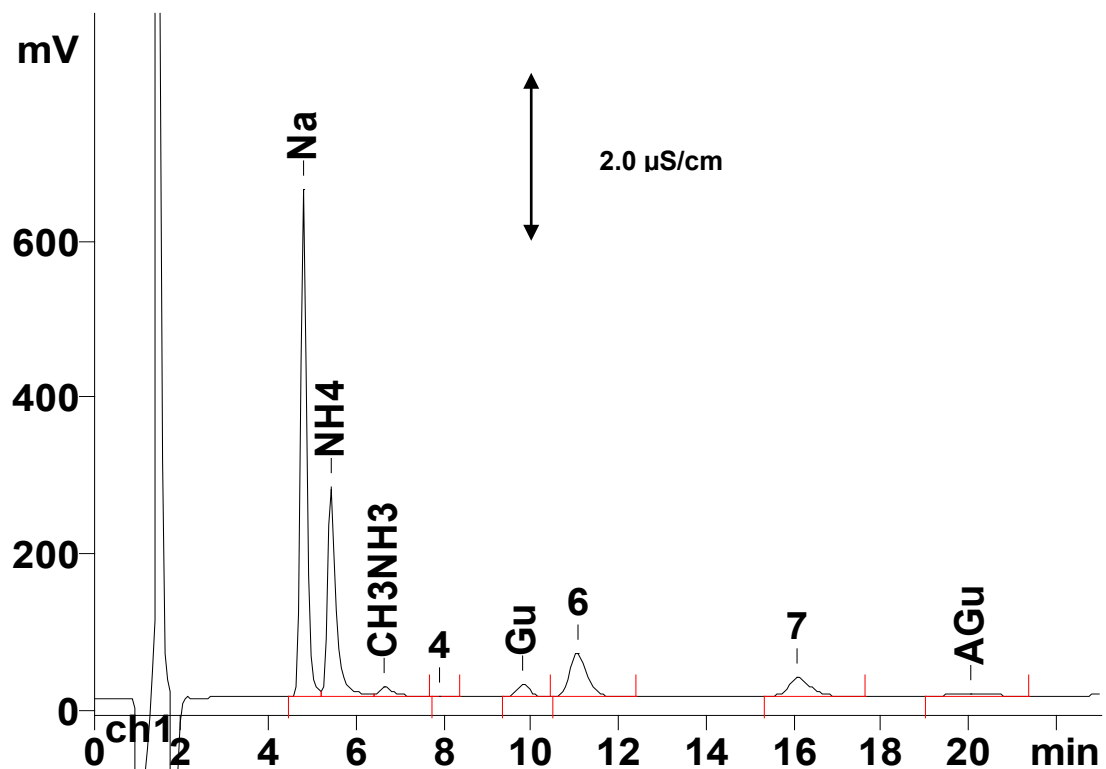
Sample Preparation: Dilution 1 : 50

Column: 6.1010.230 Metrosep C 2 – 150

Eluent: 4.0 mmol/L tartaric acid, 0.75 mmol/L dipicolinic acid, 5% acetone

Flow: 1.0 mL/min

Injection Volume: 10 μ L



Results:	Sodium mg/L	Ammonium mg/L	Methylamine mg/L	Guanidine mg/L	Aminoguanidine mg/L
spiked	17.7	9.3	1	1.99	2*