

IC Application Note No. N-8

Title: Five anions in organic solvent (toluene)

Summary: Determination of acetate, formate, chloride, bromide and sulfate in toluene mother liquor using anion chromatography with direct conductivity detection.

Sample: Organic mother liquor (toluene)

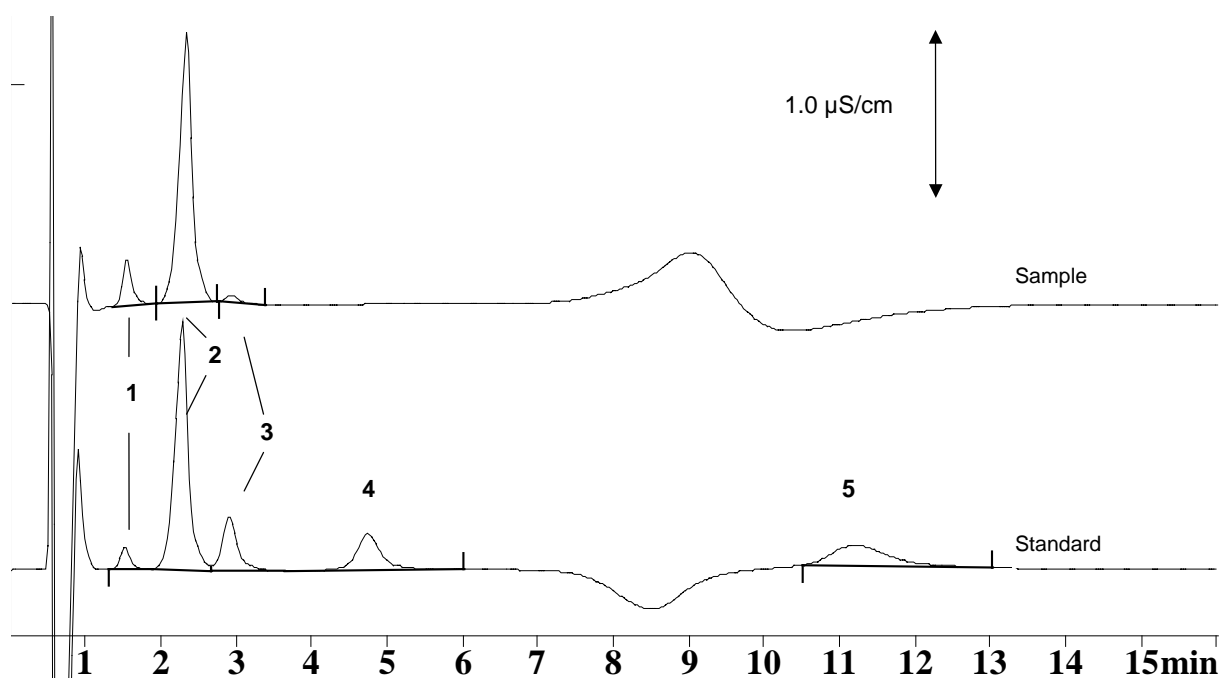
Sample Preparation: Extraction with ultra pure water

Column: 6.1009.000 SUPER-SEP Anion Column

Eluent: 3 mmol/L benzoic acid, 2 % acetonitrile, pH = 4.65 (TRIS)

Flow: 1.5 mL/min

Injection Volume: 100 μ L



Results:	acetate (1) mg/L	formate (2) mg/L	chloride (3) mg/L	bromide (4) mg/L	sulphate (5) mg/L
in standard solution	10	40	2	5	5
in mother liquor	41.8	86.4	0.4	< 0.5	< 0.5