

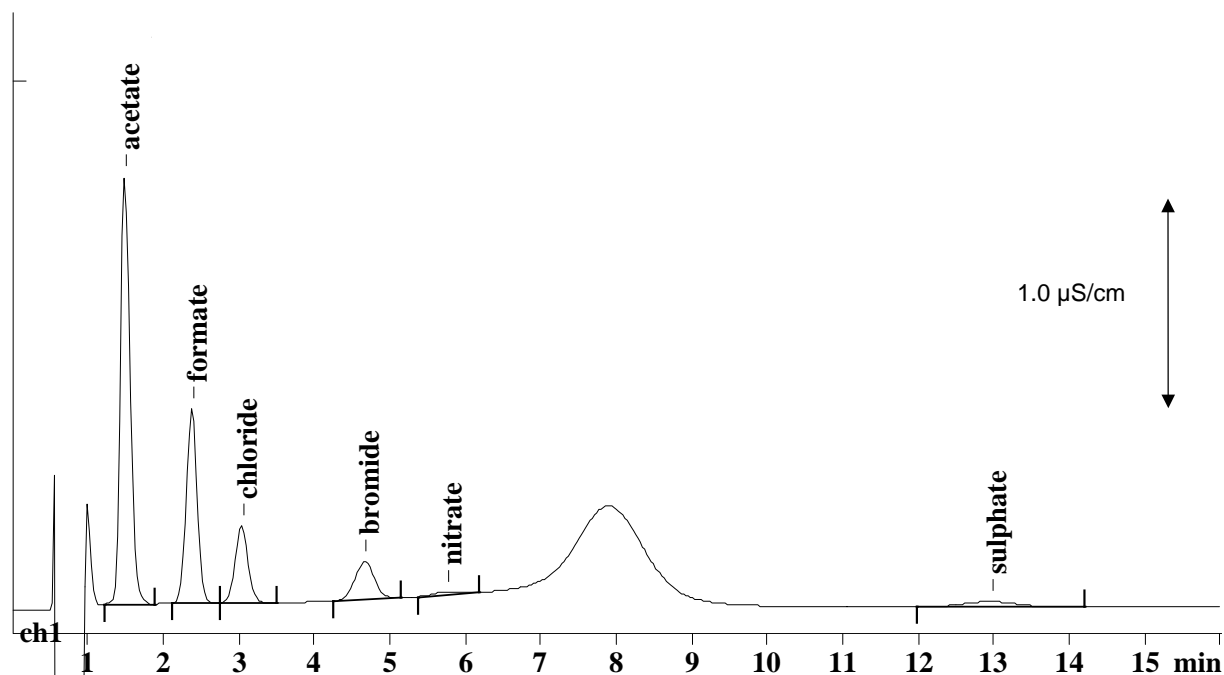
IC Application Note No. N-3

Title: Five anions in Solder Paste

Summary: Determination of anions in solder paste after alcoholic extraction using anion chromatography with direct conductivity detection.

Sample: Alcoholic extract of a solder paste
Sample Preparation: Dilution 1:10; injection after cation exchange and solid phase extraction with C₁₈-cartridge

Column: 6.1009.000 SUPER-SEP Anion Column
Eluent: 3.0 mmol/L benzoic acid, 2 % acetonitrile, pH = 4.65 (TRIS)
Flow: 1.5 mL/min
Injection Volume: 100 µL



Results:	acetate mg/L	formate mg/L	chloride mg/L	bromide mg/L	nitrate mg/L	sulfate mg/L
	761	62.1	11.0	17.6	1.3	4.0