

IC Application Note No. S-88

Title: Determination of acetate, monochloroacetate and dichloroacetate

Summary: Determination of acetate, monochloroacetate and dichloroacetate using anion chromatography with conductivity detection after chemical suppression.

Sample: Standard solution

Sample Preparation:

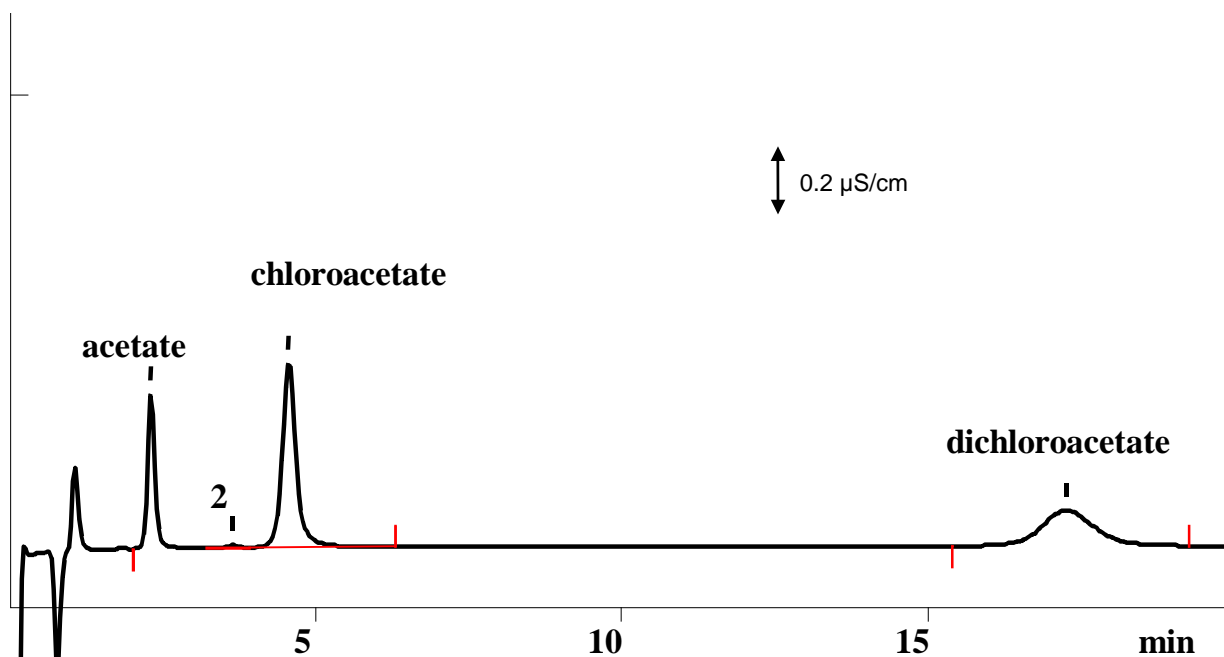
Column: 6.1005.100 Phenomenex Starlon A300

Eluent: 2.0 mmol/L sodium hydrogencarbonate, 0.4 mmol/L sodium carbonate, 10% acetone

Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)

Flow: 1.5 mL/min

Injection Volume: 20 µL



Results:	Acetate mg/L	Chloracetate mg/L	Dichloroacetate mg/L
	10	10	10

Peak 2 corresponds to a trace of chloride.