

# IC Application Note No. S-89

**Title:** Acetate and dichloroacetate in chloroacetic acid

**Summary:** Determination of acetate and dichloroacetate in chloroacetic acid using anion chromatography with conductivity detection after chemical suppression.

**Sample:** Chloroacetic acid

**Sample Preparation:** 5 g/L dissolved in ultra pure water

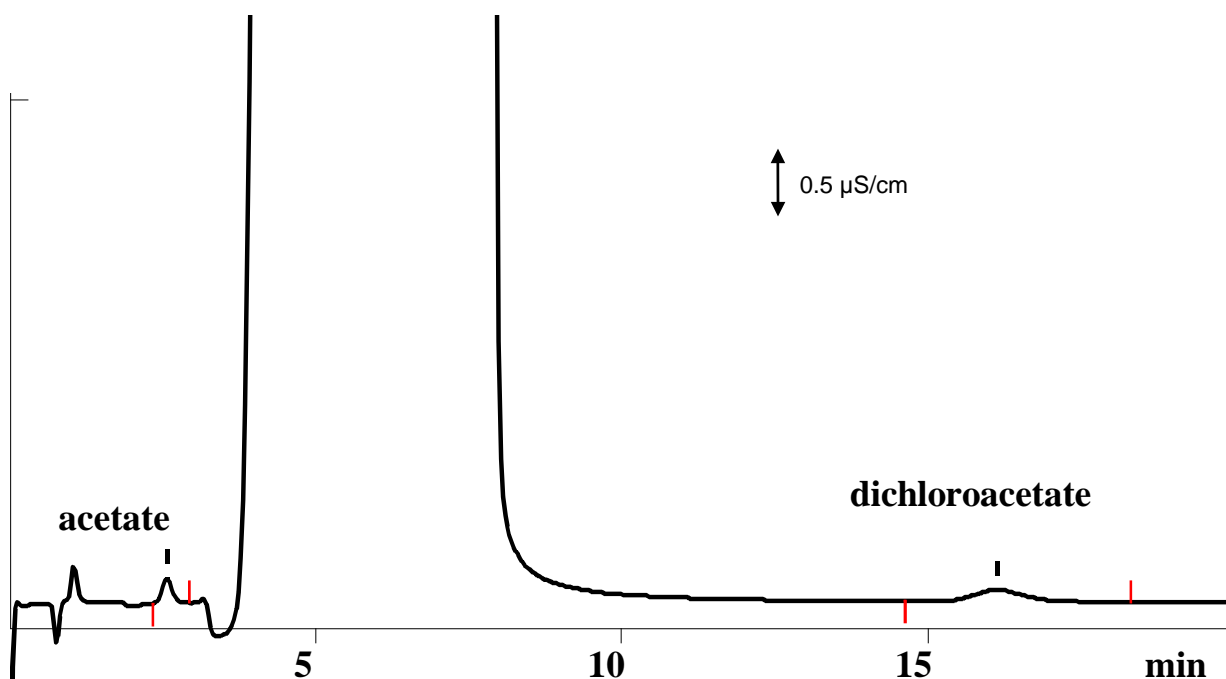
**Column:** 6.1005.100 Phenomenex Starlon A300

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

**Suppressor:** Metrohm Suppressor Module (MSM, 50 mmol/L H<sub>2</sub>SO<sub>4</sub>)

**Flow:** 1.5 mL/min

**Injection Volume:** 20 µL



**Results:**

Acetate  
%

0.10

Dichloroacetate  
%

0.15