

IC Application Note No. S-198

Title: Fluoride, acetate, formate and chloride in brake fluids

Summary: Determination of fluoride, acetate, formate and chloride in a brake fluid using anion chromatography with conductivity detection after chemical suppression.

Sample: Brake fluid

Sample Preparation: Metrohm Inline Matrix Elimination, transfer solution: 10% acetone

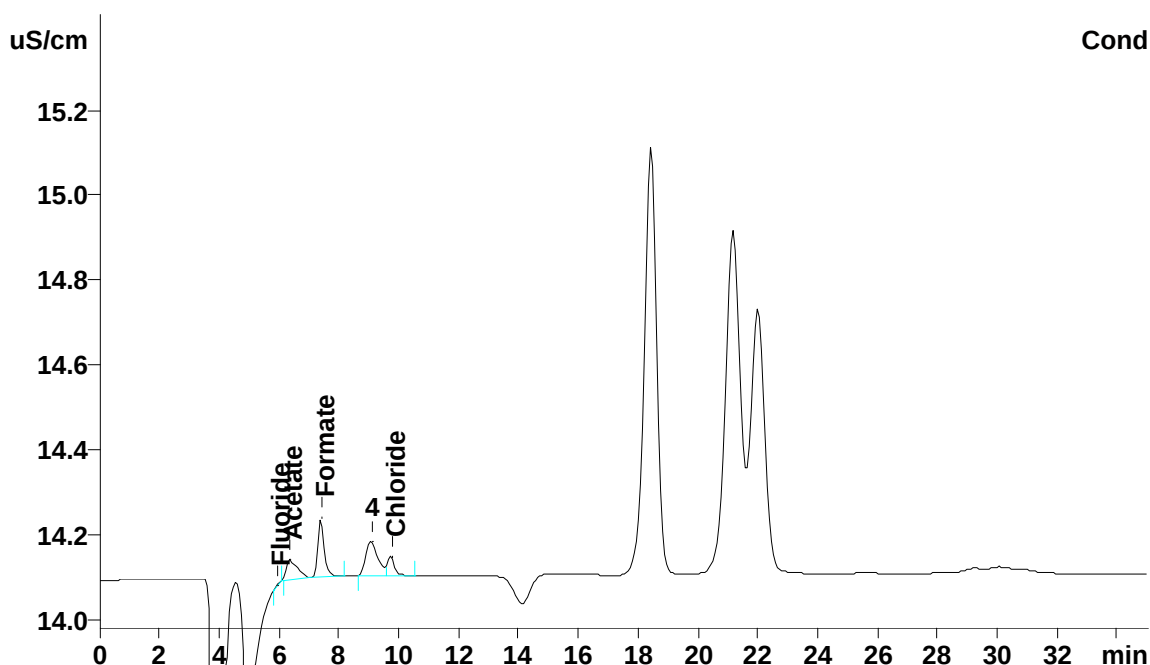
Column: 6.1006.530 Metrosep A Supp 5 – 250
6.1006.300 Metrosep Anion IC preconcentration column

Eluent: 3.2 mmol/L sodium carbonate
1.0 mmol/L sodium hydrogencarbonate

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

Flow: 0.7 mL/min

Injection Volume: 10 µL



Results:	Fluoride mg/L	Acetate mg/L	Formate mg/L	Chloride mg/L
	< 0.2	1.8	0.6	< 1.0

Procedure described in AN S-197