

# IC Application Note No. N-4

**Title:** Five anions in organic Substance after Schöniger Combustion

**Summary:** Determination of anions in a Schöniger absorption solution of a test mixture without decomposition of the H<sub>2</sub>O<sub>2</sub> using anion chromatography with direct conductivity detection.

**Sample:** Combustion solution of a test mixture

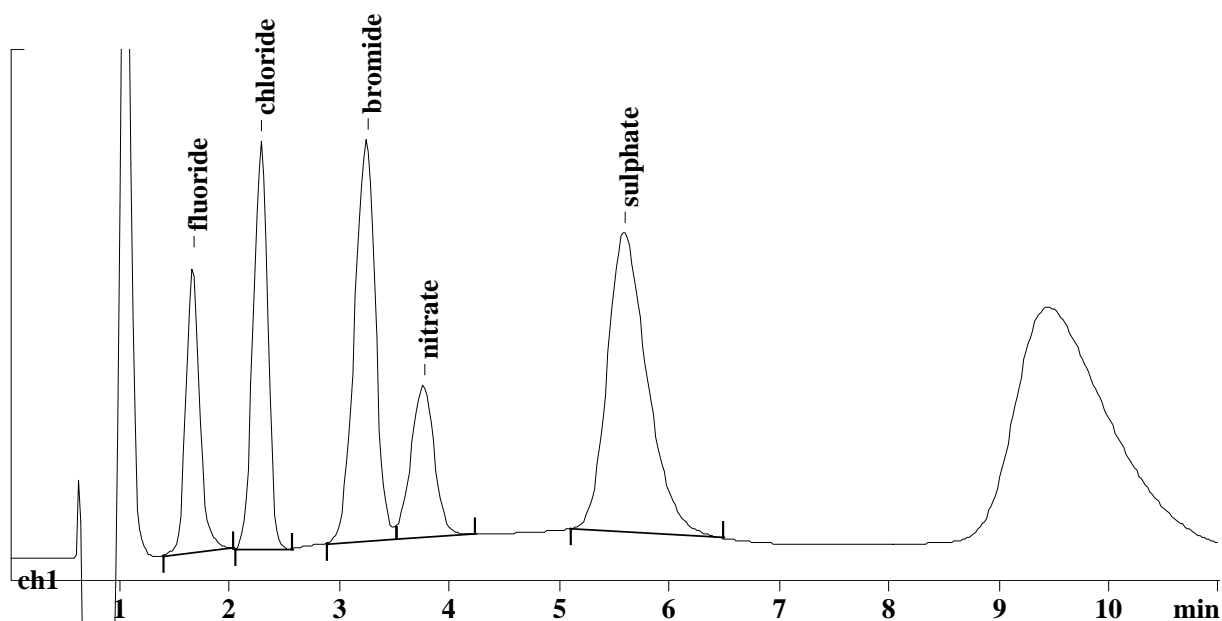
**Sample Preparation:** Dilution 1:10 with H<sub>2</sub>O<sub>2</sub>

**Column:** 6.1009.000 SUPER-SEP Anion

**Eluent:** 2.5 mmol/L phthalic acid, 5 % acetonitrile, pH = 4.2 (TRIS)

**Flow:** 1.5 mL/min

**Injection Volume:** 100 µL



<b>Results:</b>	F <sup>-</sup> mg/L	Cl <sup>-</sup> mg/L	Br <sup>-</sup> mg/L	NO <sub>3</sub> <sup>-</sup> mg/L	SO <sub>4</sub> <sup>2-</sup> mg/L
		57.7	66.6	210.2	79.2