

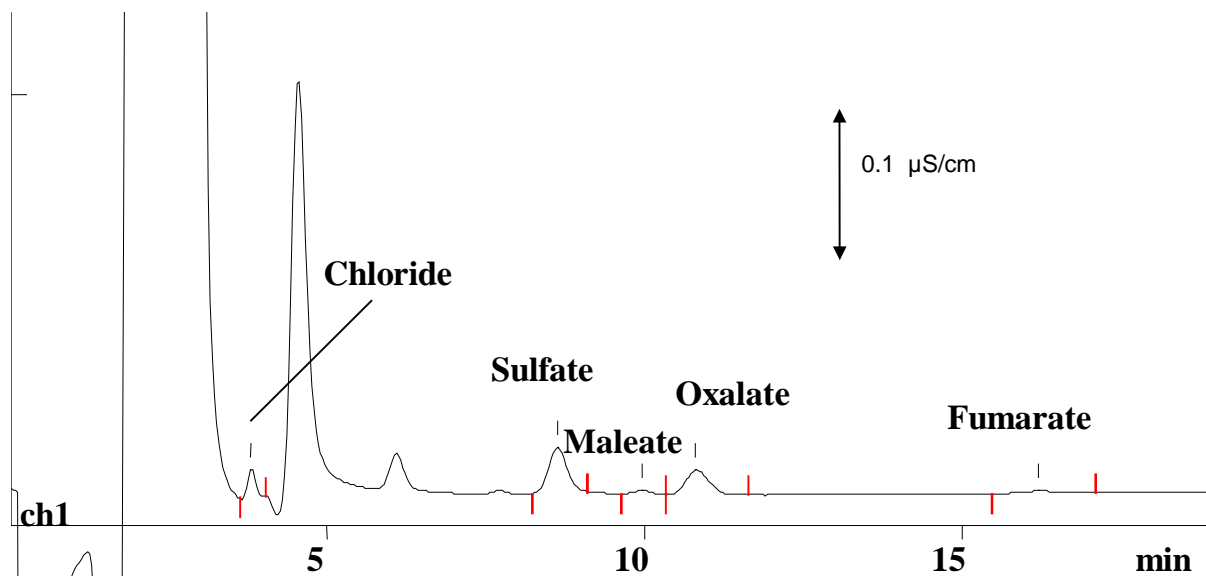
# IC Application Note No. S-61

**Title:** Anions in ink using dialysis for sample preparation

**Summary:** Determination of chloride, sulfate, maleate, oxalate and fumarate in ink using anion chromatography with conductivity detection after chemical suppression and dialysis for sample preparation.

**Sample:** Ink for copiers  
**Sample Preparation:** Dilution 1 : 20 with ultrapure water, injection using 754 Dialysis Unit

**Column:** 6.1006.100 Metrosep Anion Dual 2  
**Eluent:** 2.0 mmol/L sodium hydrogencarbonate, 2.4 mmol/L sodium carbonate  
**Suppressor:** Metrohm Suppressor Module (MSM, 50 mmol/L H<sub>2</sub>SO<sub>4</sub>)  
**Flow:** 0.5 mL/min  
**Injection Volume:** 20 µL after dialysis



<b>Results:</b>	Chloride mg/L	Sulfate mg/L	Maleate mg/L	Oxalate mg/L	Fumarate mg/L
	<b>0.2</b>	<b>0.9</b>	<b>0.4</b>	<b>0.8</b>	<b>1.3</b>