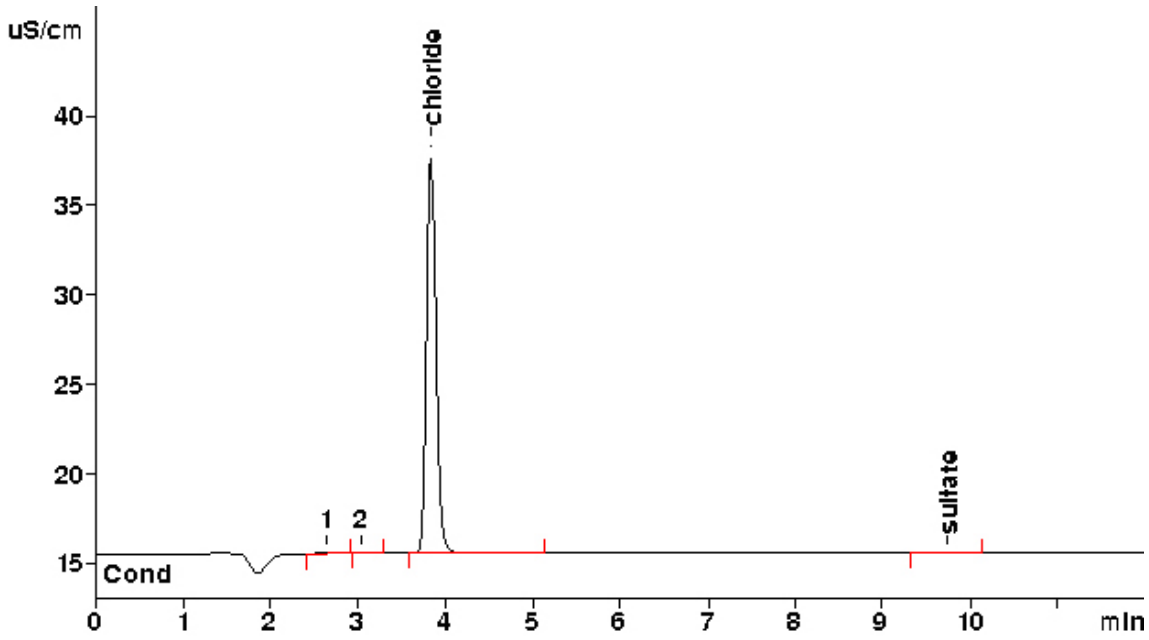
IC Application Note No. S-232

Title:	**Chloride and sulfate in electrolytes used in sensors for transcutaneous CO_2 measurement**

***Summary*:**	Determination of chloride and sulfate in an electrolyte used in sensors for transcutaneous CO_2 measurement applying anion chromatography with conductivity detection after chemical suppression.

Sample:	Electrolyte used in sensors for transcutaneous CO_2 measurement
Sample Preparation:	Dilution 1 : 500 with ultrapure water, followed by inline dialysis

Column:	6.1006.510 Metrosep A Supp 5 – 100
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:	20 µL



Results:	Chloride mg/L / mol/L	Sulfate mg/L
	5761 / 0.16	**21.5**