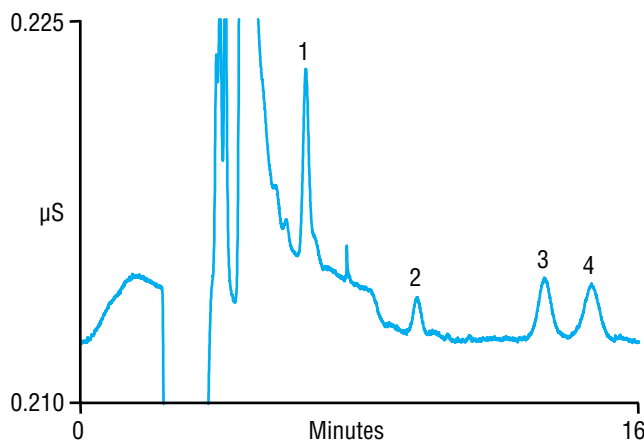


Inorganic Anions at Trace Concentrations with 10 μ L Injection



Column: IonPac® AS20, capillary
 (0.4 x 250 mm)
 Eluent Source: Capillary EGC-KOH
 Eluent: 35 mM KOH
 Flow Rate: 10 μ L/min
 Injection Vol.: 10 μ L
 Temperature: 30 °C
 Detection: Suppressed conductivity,
 AnionCapillary Electrolytic Suppressor
 ACES™ 300

Peaks:	1. Thiosulfate	0.33 μ g/L
	2. Iodide	0.67
	3. Thiocyanate	0.67
	4. Perchlorate	1.0

28210

This chromatogram shows the separation of trace levels of hydrophobic anions important to the chemical and environmental market. The IonPac AS20 capillary column allows the separation of these hydrophobic ions without the use of solvents in the mobile phase typically needed to eliminate hydrophobic interactions with the ion exchange resin. This leads to improved peak asymmetry and shorter analysis times. The separation is performed using electrolytically-generated KOH generated from simply adding deionized water. Using the capillary format, sub-ppb concentration levels are easily determined with a 10 μ L injection volume.