

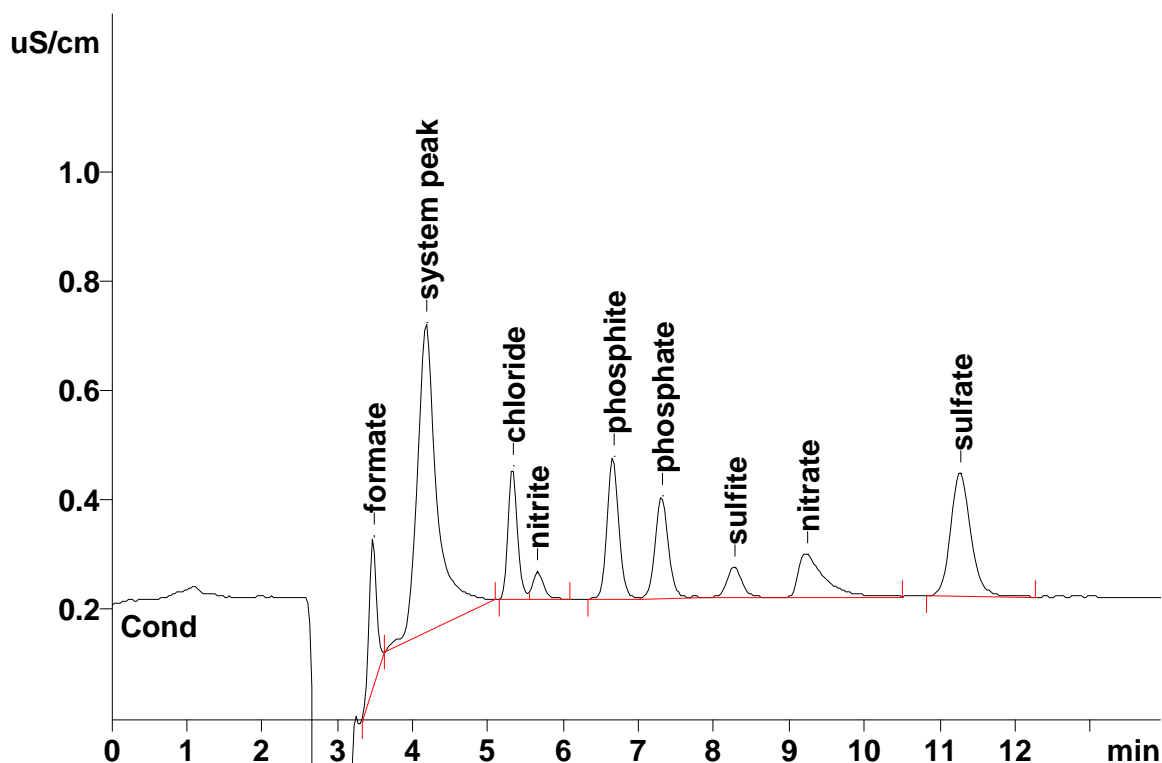
# IC Application Note No. S-201

**Title:** Eight anions separated on Metrosep A Supp 1 column

**Summary:** Determination of formate, chloride, nitrite, phosphite, phosphate, sulfite, nitrate and sulfate using anion chromatography with conductivity detection after chemical suppression.

**Sample:** Standard solution  
**Sample Preparation:** –

**Column:** 6.1005.300 Metrosep A Supp 1  
**Eluent:** 8.5 mmol/L sodium carbonate  
**Suppressor:** Metrohm Suppressor Module (MSM, 50 mmol/L sulfuric acid)  
**Flow:** 1.0 mL/min  
**Injection Volume:** 10 µL



| <b>Results:</b> | Formate<br>mg/L | Chloride<br>mg/L | Nitrite<br>mg/L | Phosphite<br>mg/L | Phosphate<br>mg/L | Sulfite<br>mg/L | Nitrate<br>mg/L | Sulfate<br>mg/L |
|-----------------|-----------------|------------------|-----------------|-------------------|-------------------|-----------------|-----------------|-----------------|
|                 | 0.01            | 0.01             | 0.01            | 0.1               | 0.1               | 0.05            | 0.05            | 0.05            |