

IC Application Note No. U-22

Title: Traces of nitrite in mineral water with UV detection

Summary: Determination of nitrite in mineral water using anion chromatography with UV detection.

Sample: Mineral water

Sample Preparation: Direct injection after inline sample degassing

Column: 6.1020.010 Metrosep A Supp 10 – 100

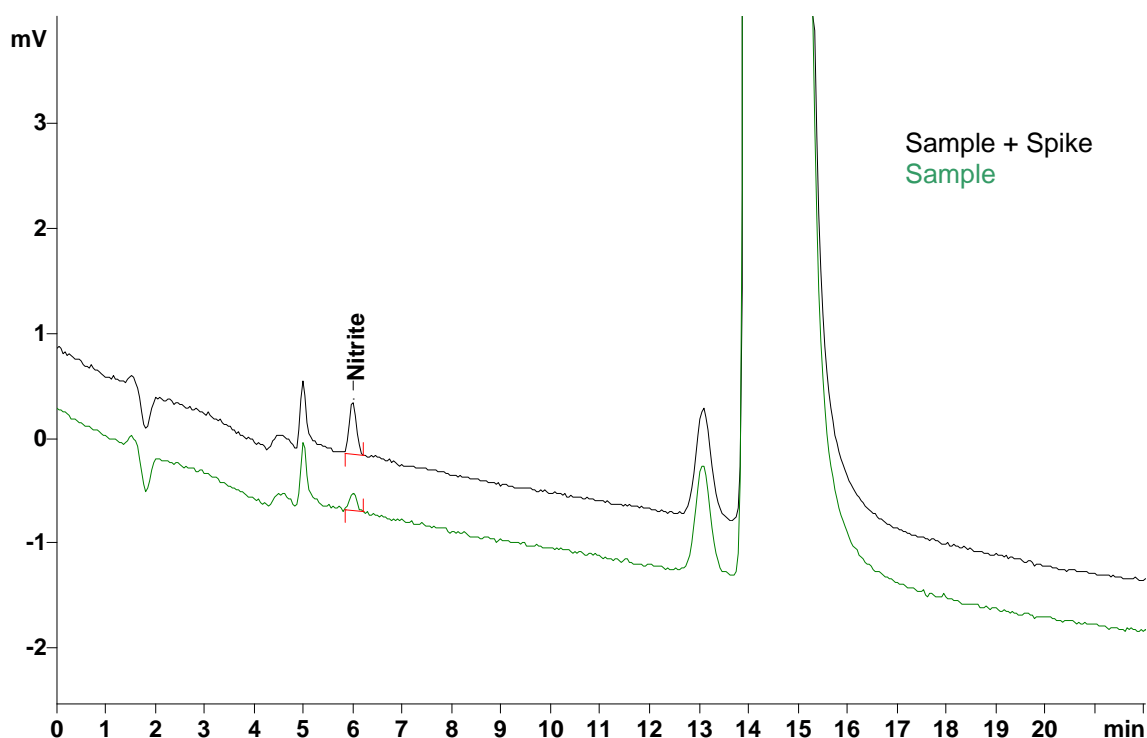
Wavelength: 205 nm

Eluent: 3.0 mmol/L sodium carbonate
3.0 mmol/L sodium hydrogen carbonate
5 µmol/L sodium perchlorate

Suppressor: Sequential Suppression: MSM (50 mmol/L H₂SO₄), MCS

Flow: 1.0 mL/min

Injection Volume: 100 µL



Results:	Nitrite µg/L
Sample	2.7
Spiked with 5 µg/L	7.7