

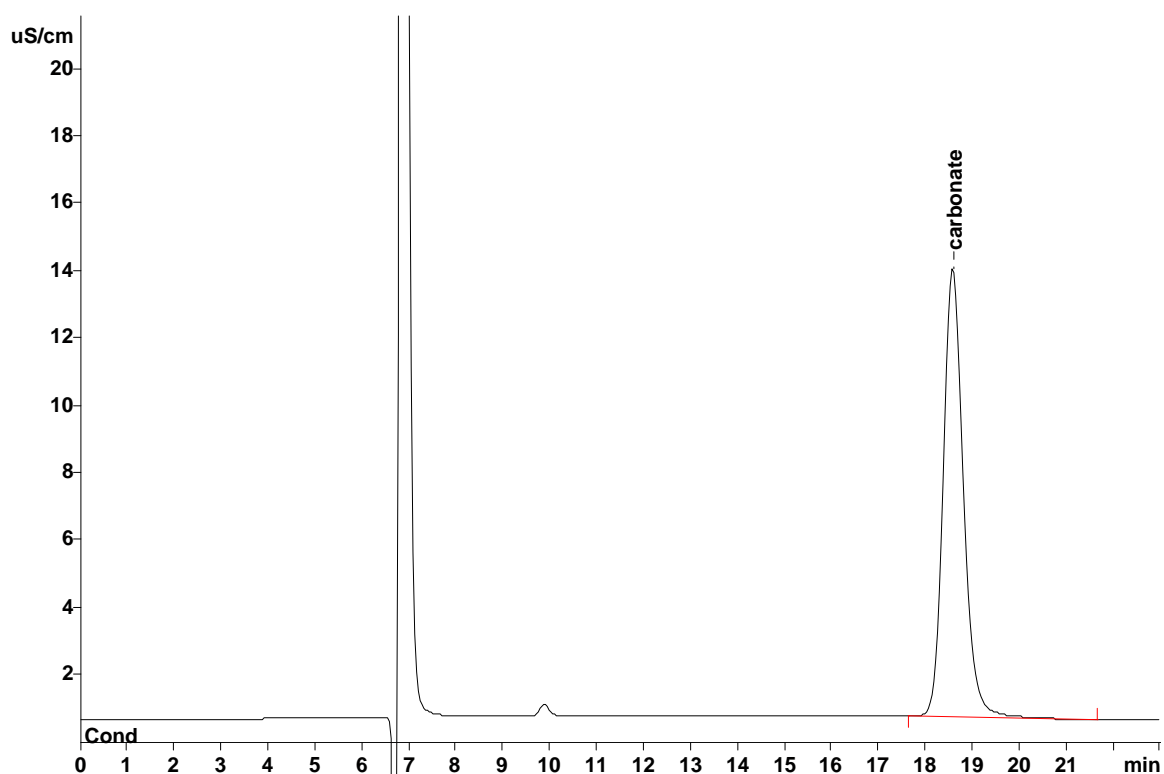
# IC Application Note No. O-31

**Title:** Carbonate in sparkling water using ion exclusion chromatography

**Summary:** Determination of carbonate in sparkling water using ion exclusion chromatography with suppressed conductivity detection.

**Sample:** Sparkling water  
**Sample Preparation:** CO<sub>2</sub> removal by degassing under vacuum (< 10 mbar)

**Column:** 6.1005.200 Metrosep Organic Acids  
**Eluent:** 0.5 mmol/L sulfuric acid  
**Flow:** 0.5 mL/min  
**Suppressor:** MSM (25 mmol/L lithium chloride)  
**Injection Volume:** 20 µL



<b>Results:</b>	Carbonate mg/L
	<b>410.3</b>