Glycols
Analysis of glycols in water

Application Note

Environmental

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Introduction
Gas chromatography with an Agilent CP-Wax 57 CB for Glycols and Alcohols column separates four glycols (ppm level) in water in 13 minutes.
**Conditions**

Technique: GC-capillary

Column: Agilent CP-Wax 57 CB for alcohols and glycols, 0.53 mm x 25 m fused silica WCOT CP-Wax 57 CB (df = 0.5 μm) (Part no. CP7617)

Temperature: 50 °C (2 min) → 180 °C. 5 °C/min: 180 °C (10 min)

Carrier Gas: He, 53 kPa (0.53 bar, 7.5 psi)

Injector: Splitter, 5 mL/min
  T = 200 °C

Detector: FID
  T = 250 °C

Sample Size: 1 μL

Concentration Range: 10 - 250 ppm

Solvent Sample: water

**Peak identification**

1. monopropylene glycol
2. monoethylene glycol
3. diethylene glycol
4. dipropylene glycols