Alcohols and Glycols

Application Note

Environmental

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Introduction
The high polarity (CP-Index 57) of the Agilent CP-Wax 57 CB for Alcohols and Glycols polyethylene glycol phase, its inertness and resistance to water make it possible to analyze both alcohols and glycols in aqueous samples.
**Conditions**

Technique : GC-wide-bore

Column : Agilent CP-Wax 57 CB for Alcohols and Glycols, 0.53 mm × 25 m, 1.2 µm (p/n CP7617)

Temperature : 45 °C (0.75 min) → 180 °C, 20 °C/min

Carrier Gas : He, 10 mL/min, 50 kPa (0.5 bar, 7.2 psi)

Injector : Direct,
T = 220 °C

Detector : FID
T = 230 °C

Sample Size : 0.2 µL,
fast injection, no air plug

Solvent Sample : Water

**Peak identification**

1. Methanol
2. Ethanol
3. 1-Propanol
4. Ethylene glycol
5. Trichloroethanol
6. Diethylene glycol