Alcohols and Glycols

Application Note

Environmental

Authors

Agilent Technologies, Inc.

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.

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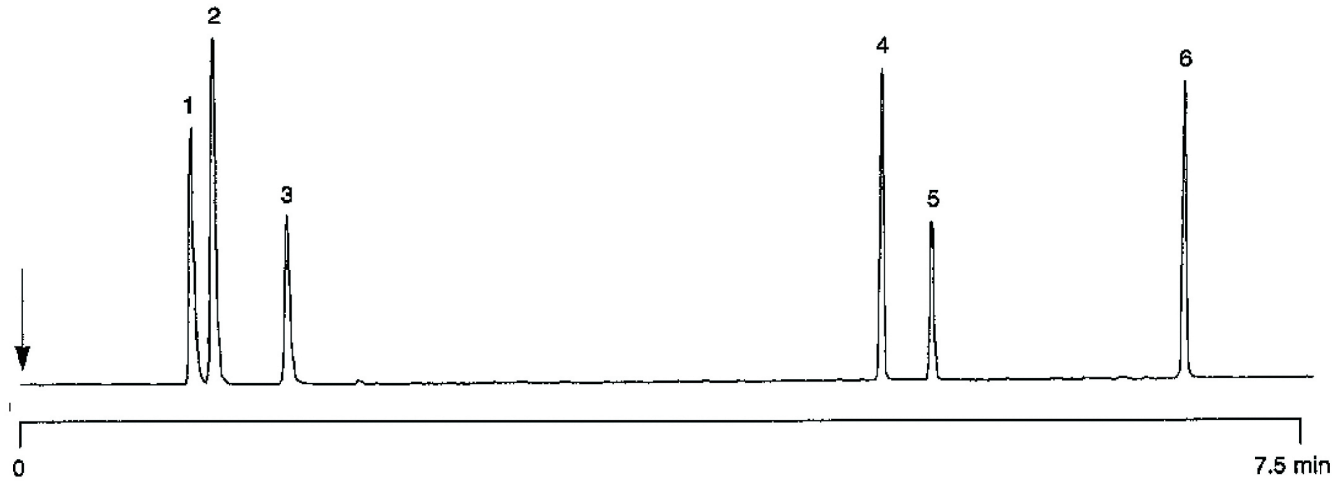
Conditions

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



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