Alcohols, $C_3 - C_6$

Application Note

Environmental

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Introduction
Gas chromatography with an Agilent CP-Wax 52 CB column separates four $C_3$ to $C_6$ volatile alcohols in six minutes.
Conditions

Technique: GC-capillary

Column: Agilent CP-Wax 52 CB, 0.53 mm x 25 m fused silica
       WCOT CP-Wax 52 CB (2.0 µm) (Part no. CP7658)

Temperature: 50 °C → 200 °C, 10 °C/min

Carrier Gas: N₂, 47 cm/s (10 mL/min)

Injector: Direct
          T = 250 °C

Detector: FID, 100 x 10⁻¹² Afs
          T = 275 °C

Sample Size: 0.2 µL

Concentration Range: 1 %

Solvent Sample: water

Peak identification

1. 2-propanol
2. 1-butanol
3. 3-methyl-1-butanol
4. 2-methyl-1-pentanol

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