Solvents

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography using an Agilent PoraPLOT Q-HT column separates four impurities in ethanol in five minutes.

Agilent Technologies

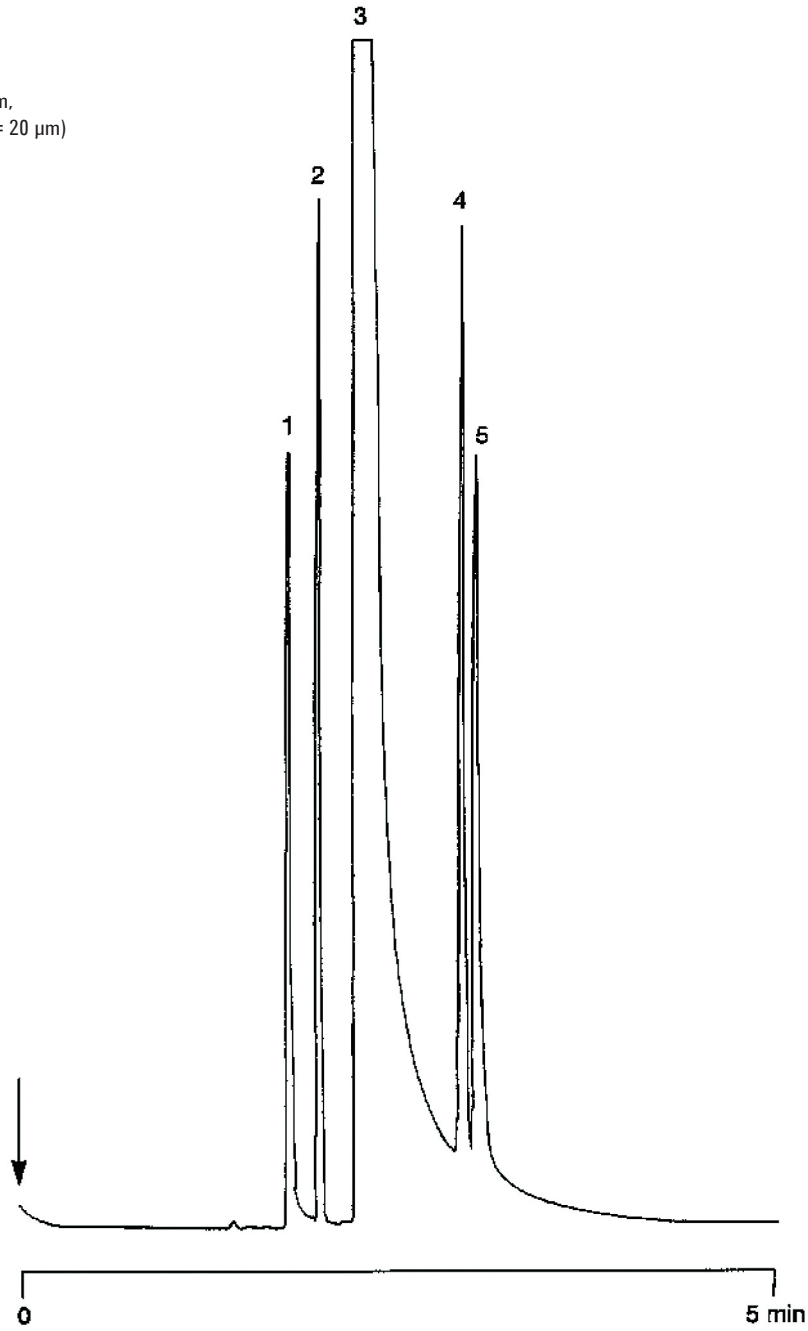
Conditions

Technique	: GC-wide-bore
Column	: Agilent PoraPLOT Q-HT, 0.53 mm x 25m, fused silica PLOT PoraPLOT Q-HT (df = 20 µm) (Part no. CP7559)
Temperature	: 175 °C
Carrier Gas	: H_2, 35 kPa (0.35 bar, 5 psi)
Injector	: Split
Detector	: FID
Concentration	: 1%

Peak identification

1. methanol
2. acetaldehyde
3. ethanol
4. acetone
5. 2-propanol

The inertness of the PoraPLOT Q-HT guarantees a high response for polar compounds, also at low concentrations.



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