



Alcohols and alkanes

Volatile alcohols and hydrocarbons in hexane

Application Note

Energy & Fuels

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Introduction

The long, thickfilm nonpolar Agilent CP-Sil 5 CB column allows the separation of low-boiling hydrocarbons and the elution of some alcohols before n-pentane with a good peak shape.



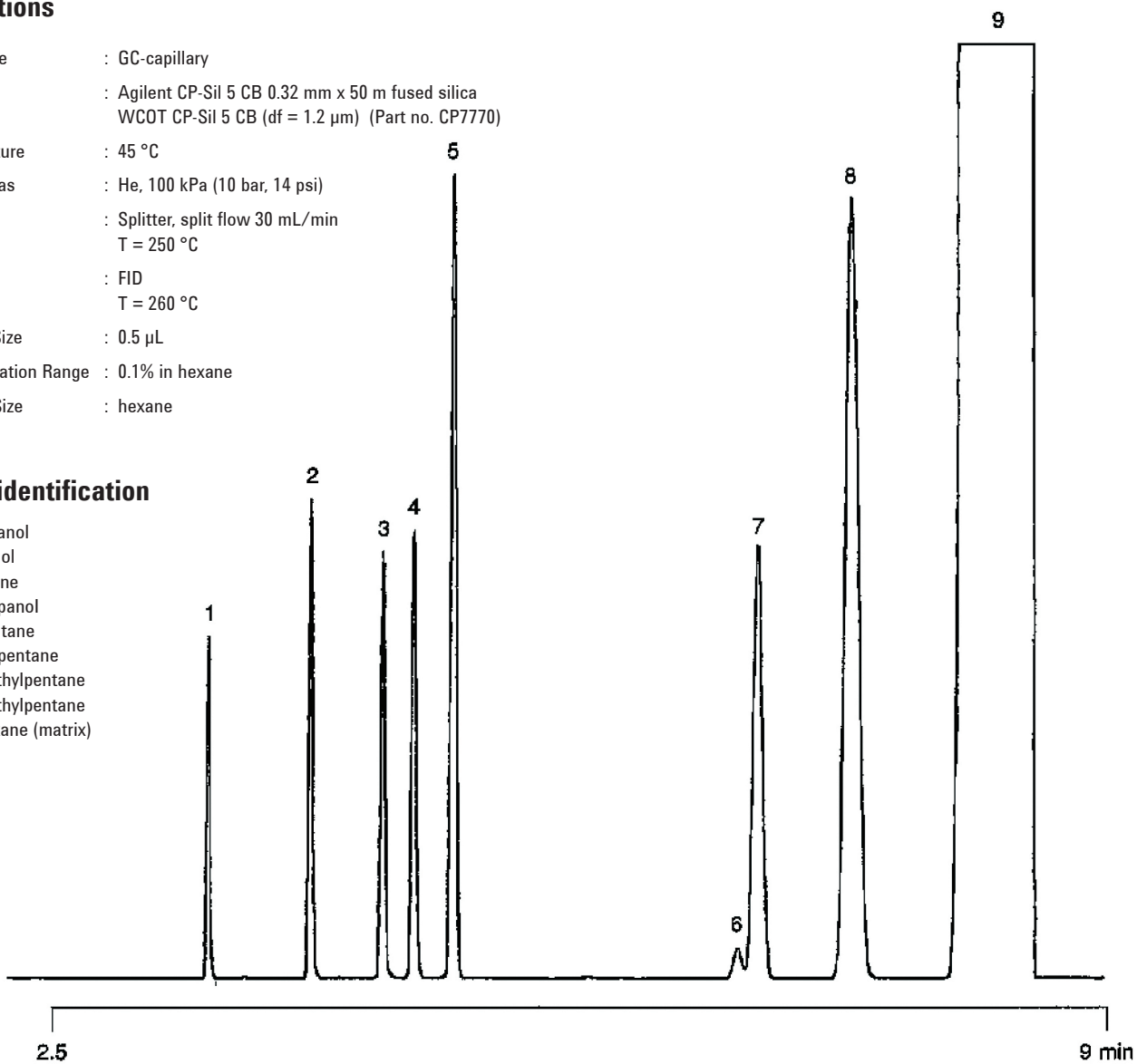
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Conditions

Technique : GC-capillary
Column : Agilent CP-Sil 5 CB 0.32 mm x 50 m fused silica
WCOT CP-Sil 5 CB (df = 1.2 μ m) (Part no. CP7770)
Temperature : 45 °C
Carrier Gas : He, 100 kPa (10 bar, 14 psi)
Injector : Splitter, split flow 30 mL/min
T = 250 °C
Detector : FID
T = 260 °C
Sample Size : 0.5 μ L
Concentration Range : 0.1% in hexane
Solvent Size : hexane

Peak identification

1. methanol
2. ethanol
3. acetone
4. 2-propanol
5. n-pentane
6. cyclopentane
7. 3-methylpentane
8. 2-methylpentane
9. n-hexane (matrix)



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This information is subject to change without notice.

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