



Hydrocarbons, C₈

Separation of C₈ olefins

Application Note

Energy & Fuels

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Introduction

Gas chromatography with an Agilent CP-Sil PONA CB column separates seven C₈ olefins in 20 minutes.



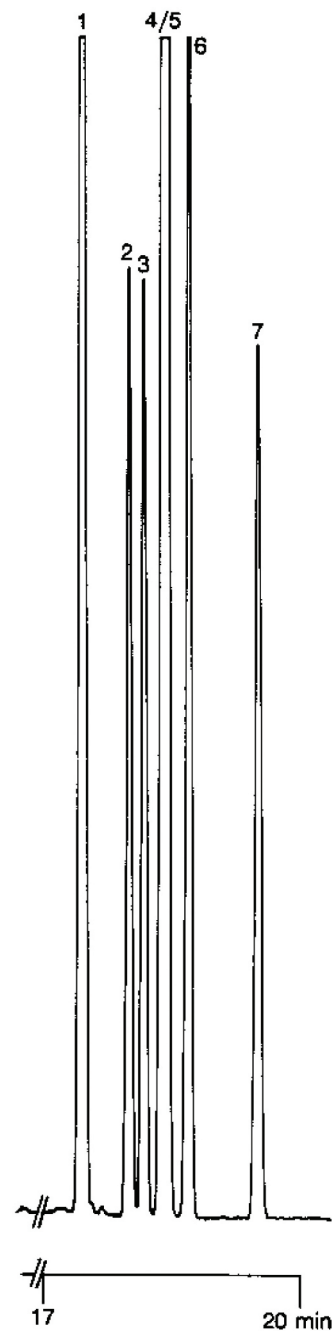
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Conditions

Technique : GC-capillary
Column : Agilent CP-Sil PONA CB, 0.25 mm x 100 m fused silica WCOT CP-Sil PONA CB (df = 0.5 µm)
(Part no. CP7530)
Temperature : 80 °C isothermal
Carrier Gas : H₂, 165 kPa (1.65 bar, 23.6 psi)
Injector : Splitter, 100 mL/min
T = 250 °C
Detector : FID
T = 275 °C
Sample Size : 0.1 µL

Peak identification

1. 2-ethyl-1-hexene
2. trans-4-octene
3. trans-3-octene
4. cis-4-octene
5. cis-3-octene
6. trans-2-octene
7. cis-2-octene



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