



Aromatics and alcohols

Separation of gasoline

Application Note

Energy & Fuels

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Introduction

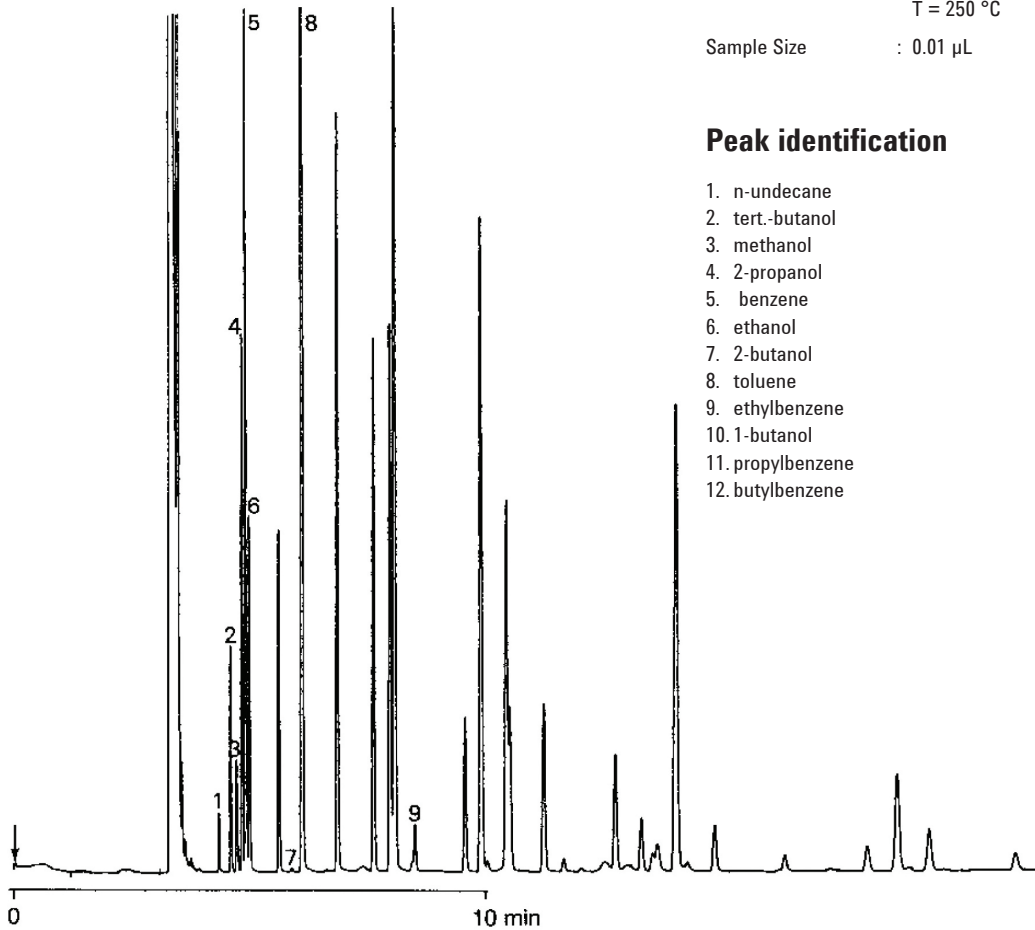
Gas chromatography with an Agilent TCEP column separates 12 components in gasoline in just over ten minutes.



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Conditions

Technique	: GC-capillary
Column	: Agilent TCEP, 0.22 mm x 50 m fused silica WCOT TCEP (0.4 µm) (Part no. CP7525)
Temperature	: 78 °C
Carrier Gas	: He, 210 kPa (2.1 bar), 26 cm/s
Injector	: Splitter, 300 mL/min T = 250 °C
Detector	: FID, 32×10^{-12} Afs T = 250 °C
Sample Size	: 0.01 µL



Peak identification

1. n-undecane
2. tert.-butanol
3. methanol
4. 2-propanol
5. benzene
6. ethanol
7. 2-butanol
8. toluene
9. ethylbenzene
10. 1-butanol
11. propylbenzene
12. butylbenzene

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