



Aromatics and n-butanol

Separation of several aromatics and butanol on a capillary column

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography using an Agilent CP-Wax 57 CB column separates several aromatics, and butanol, in 20 minutes.



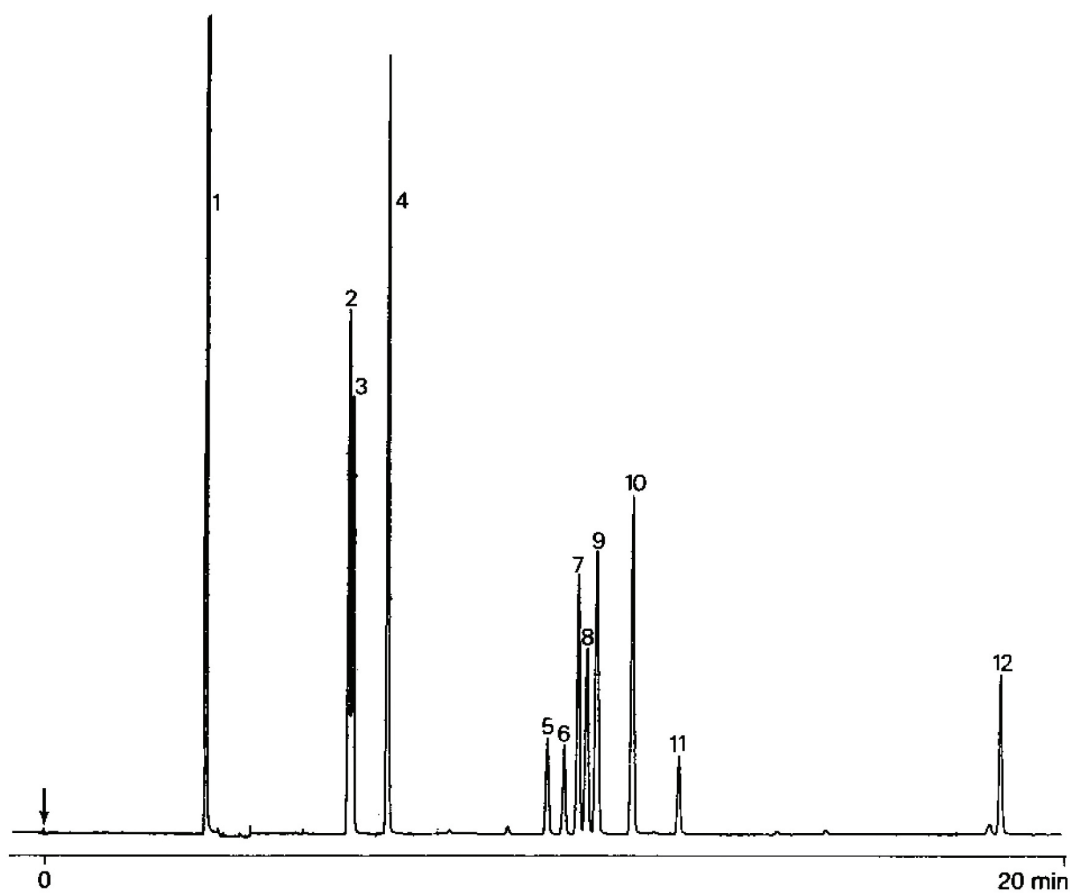
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Conditions

Technique : GC-capillary
Column : Agilent CP-Wax 57 CB, 0.25 mm x 25 m fused silica
WCOT CP-Wax 57 CB (0.2 µm) (Part no. CP97713)
Temperature : 50 °C (5 min) → 85 °C, 27 °C/min
Carrier Gas : N₂, 75 kPa (0.75 bar, 11 psi), 14 cm/s
Injector : Splitter, 20 mL/min
T = 210 °C
Detector : FID, 8 x 10⁻¹² Afs
T = 230 °C
Sample Size : 2 µL
Solvent Sample : acetone

Peak identification

1. acetone
2. ?
3. ?
4. toluene
5. ethylbenzene
6. p-xylene
7. m-xylene
8. ?
9. ?
10. n-butanol
11. o-xylene
12. propylbenzene



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This information is subject to change without notice.

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