

Aromatics, C₆-C₉

Application Note

Energy & Fuels

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with the Agilent PoraBOND Q separates eight substituted benzenes and MTBE in 23 minutes.



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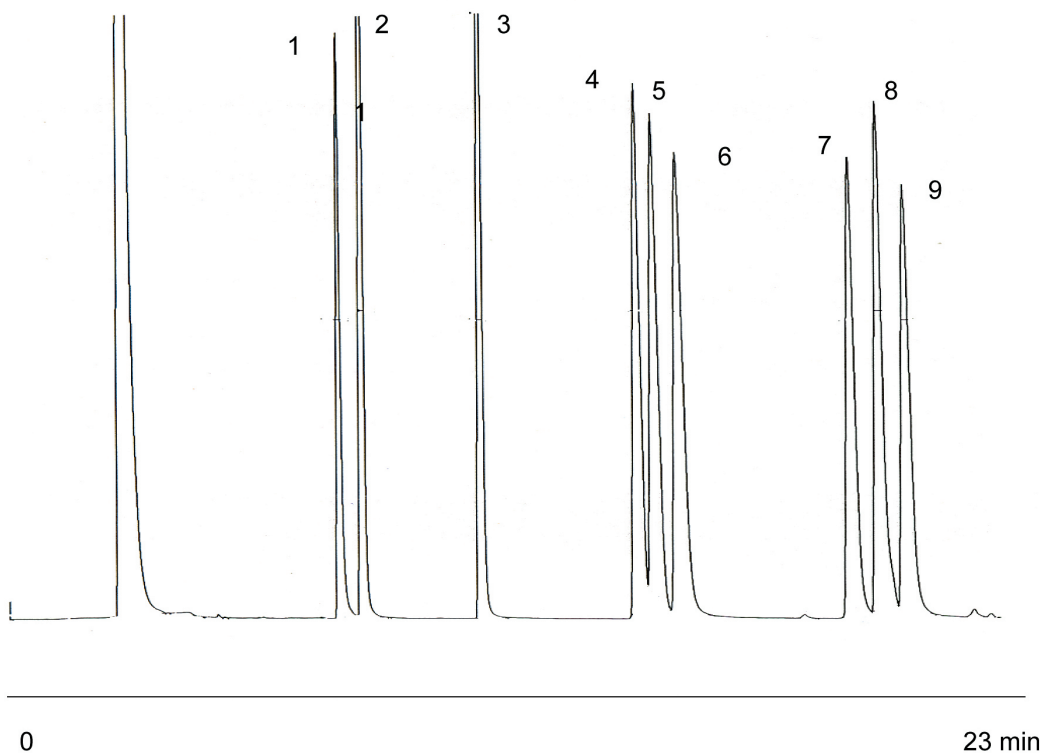
Conditions

Technique : GC
Column : Agilent PoraBOND Q, 0.53 mm x 25 m fused silica
(df = 10 μ L) (Part no. CP7354)
Temperature : 40 °C (2 min) \rightarrow 140 °C, 20 °C/min (3 min) \rightarrow
170 °C, 10 °C/min, (4 min) \rightarrow 220 °C, 5 °C/min
Carrier Gas : Helium, 65 kPa, 10 psi
Injector : Purge & Trap procedure
Detector : FID
Concentration Range : ppm level

Courtesy : David Black, Department of Civil Engineering,
North Carolina State University, USA

Peak identification

1. MTBE
2. benzene
3. toluene
4. ethyl benzene
5. m-xylene
6. o-xylene
7. 1,2,4-trimethylbenzene
8. 1,3,5-trimethylbenzene
9. 1,2,3-trimethylbenzene



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This information is subject to change without notice.

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