



## **Solvents**

# Separation of several solvents in diisopropylether

## Application Note

Energy & Fuels

### **Authors**

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### **Introduction**

Gas chromatography using an Agilent TCEP column separates six solvents in diisopropylether in 15 minutes.



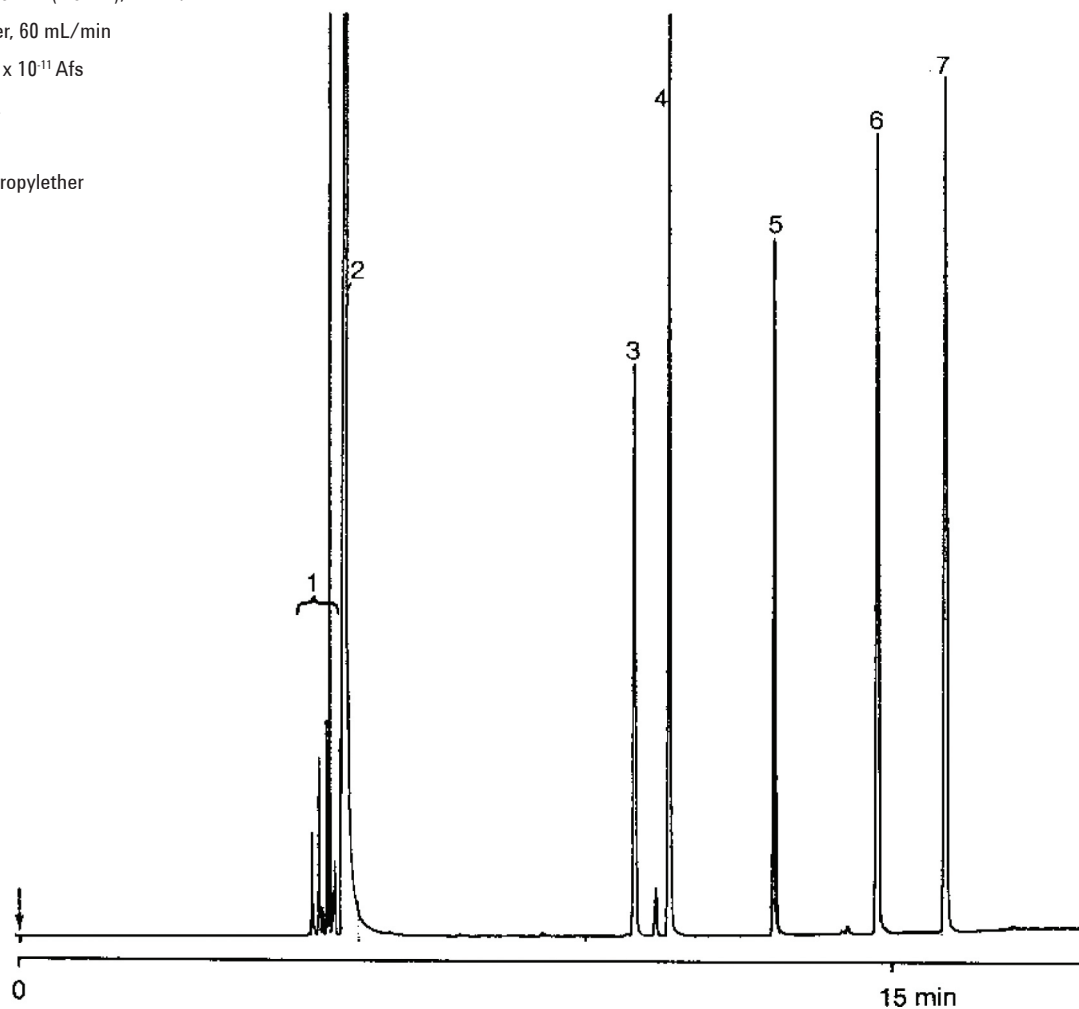
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## Conditions

Technique : GC-capillary  
Column : Agilent TCEP, 0.22 mm x 50 m fused silica  
WCOT TCEP (0.4  $\mu$ m) (Part no. CP7525)  
Temperature : 40 °C (5 min)  $\rightarrow$  100 °C, 5 °C/min  
Carrier Gas : N<sub>2</sub>, 100 kPa (1.0 bar), 17 cm/s  
Injector : Splitter, 60 mL/min  
Detector : FID, 1 x 10<sup>-11</sup> Afs  
Sample Size : 0.2  $\mu$ L  
Concentration Range : 0.1 %  
Solvent Sample : diisopropylether

## Peak identification

1. C<sub>6</sub>-hydrocarbons
2. diisopropylether
3. acetone
4. butanone
5. 2-propanol
6. methylisobutylketone
7. 1-propanol



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