Solvents

Application Note

Materials Testing & Research

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with an Agilent PoraPLOT Q column separates eight solvents in five minutes

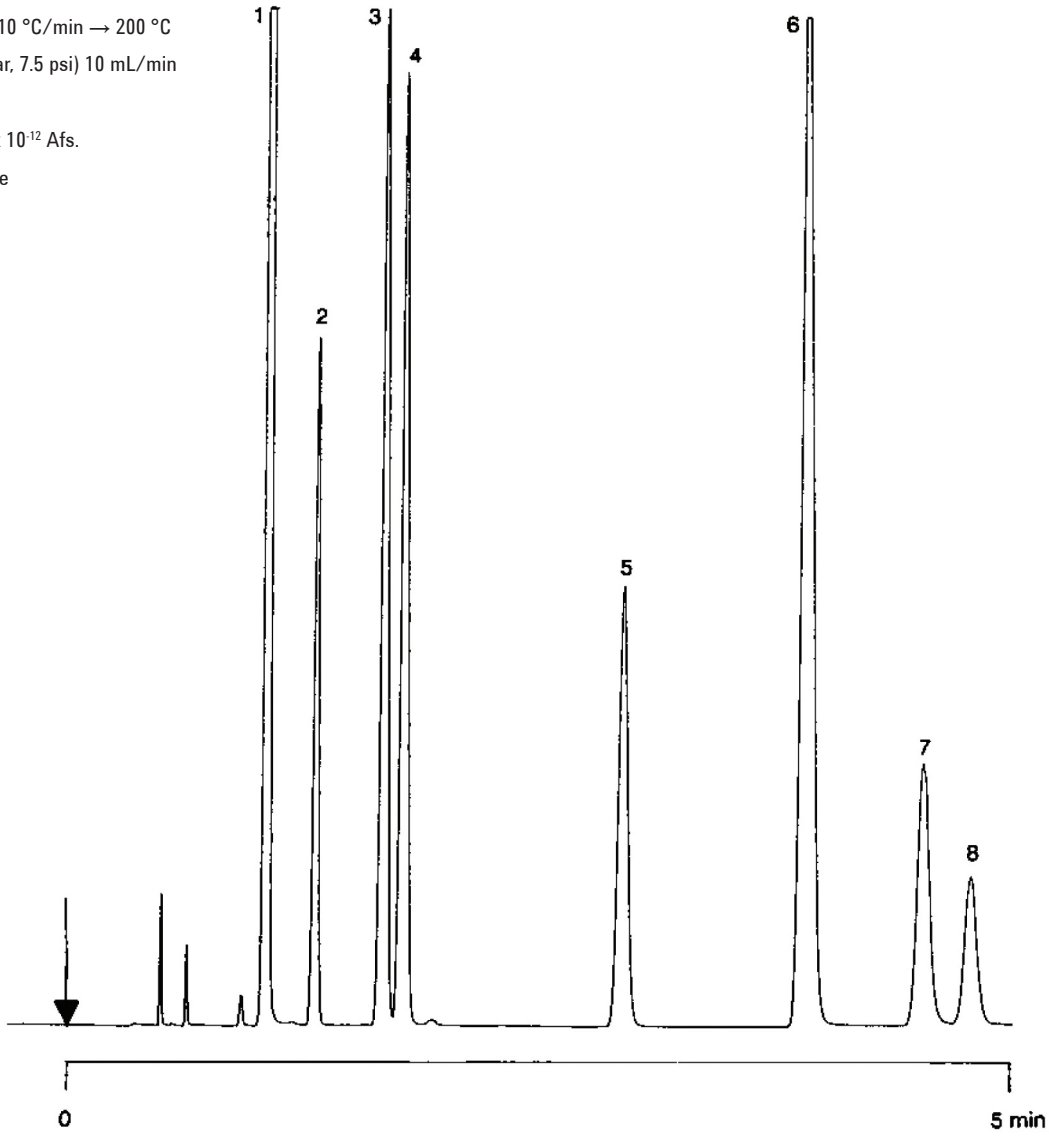
Agilent Technologies

Conditions

Technique	: GC-capillary
Column	: Agilent PoraPLOT Q, 0.53 mm x 25 m fused silica PoraPLOT Q (df = 20µm) (Part no. CP7554)
Temperature	: 150 °C + 10 °C/min → 200 °C
Carrier Gas	: H_2, (0.5 bar, 7.5 psi) 10 mL/min
Injector	: Direct
Detector	: FID, 256 x 10^{-12} Afs.
Sample	: headspace

Peak identification

1. 1,1-dichloroethylene
2. trans-1,2-dichloroethylene
3. cis-1,2-dichloroethylene
4. methylethyl ketone
5. trichloroethylene
6. dimethyl disulfide
7. methyl isobutyl ketone
8. tetrachloroethylene



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