Solvents

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography using an Agilent PoraBOND Q column separates 33 solvents in 30 minutes.

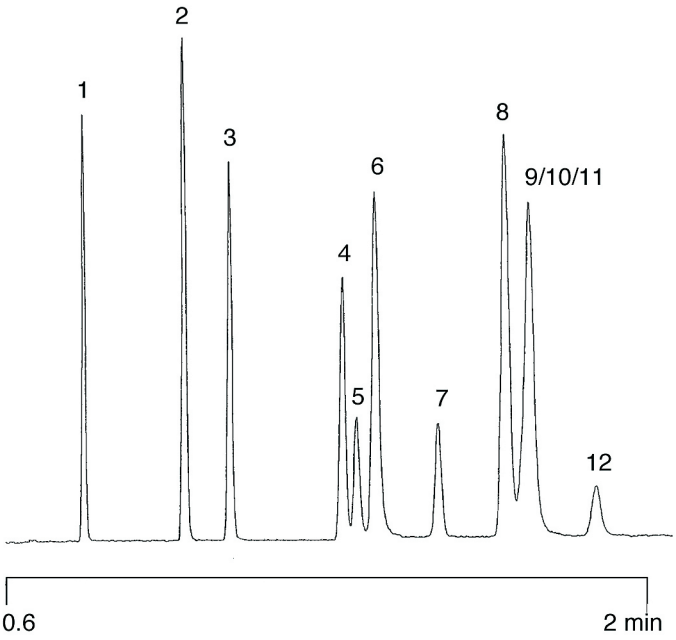
Agilent Technologies

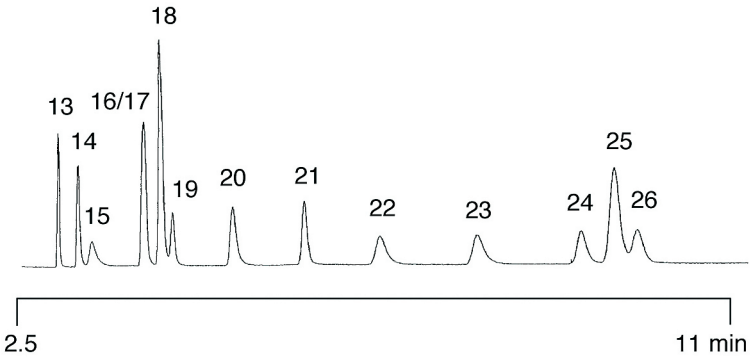
Conditions

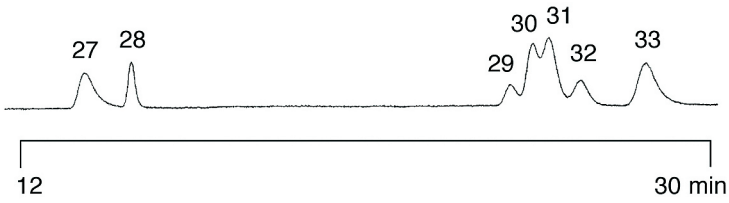
Technique	:	GC-capillary
Column	:	Agilent PoraBOND Q, 0.32 mm x 25 m fused silica PLOT (df = 5 µm) (Part no. CP7351)
Temperature	:	150 °C
Carrier Gas	:	He, 67 cm/s, 145 kPa (1.45 bar, 20 psi)
Injector	:	Split, T = 250 °C
Detector	:	FID T = 300 °C
Concentration Range	:	0.5 ng per component
Courtesy	:	Professor Gianrico Castello, University Genova, Italy

Peak identification

1. methanol
2. ethanol
3. acetonitrile
4. acetone
5. dichloromethane
6. 2-propanol
7. methyl acetate
8. 1-propanol
9. 1-pentene
10. diethylether
11. 2-methyl-1-butene
12. pentane
13. 2-butanone
14. 2-butanol
15. 2,2-dimethylbutane
16. 1-butanol
17. 1-hexene
18. benzene
19. hexane
20. 1,4-dioxane
21. 2-pentanone
22. 2,4-dimethylpentane
23. isoamyl alcohol
24. 1-heptanol
25. toluene
26. heptane
27. isooctane
28. 2-hexanone
29. 1-hexanol
30. m-xylene
31. p-xylene
32. octane
33. o-xylene







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