Solvents

Analysis of volatile amines in DMA

Application Note

Materials Testing & Research

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with an Agilent PoraBOND U column separates 18 solvents in less than 11 minutes.

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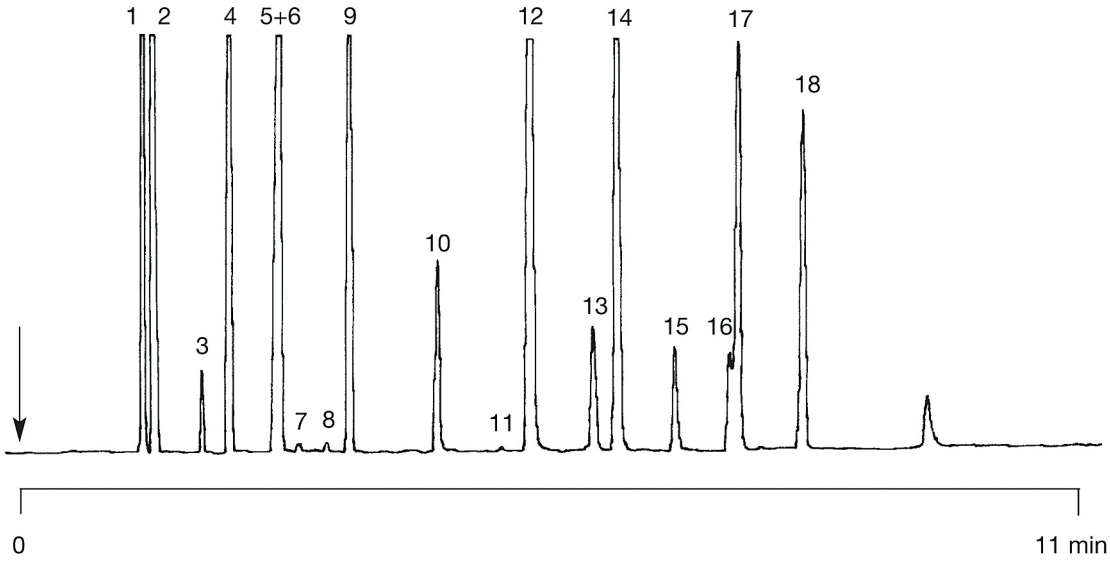
Conditions

Technique	:	GC-capillary
Column	:	Agilent PoraBOND U, 0.32 mm x 25 m fused silica PLOT (df = 7 µm) (Part no. CP7381)
Temperature	:	100 °C (1 min) Æ 200 °C, 10 °C/min
Carrier Gas	:	He, 50 kPa (0 .5 bar, 7 psi)
Injector	:	Split, T = 250 °C
Detector	:	POD in HID mode; T = 250 °C
Concentration Range	:	% level
Courtesy	:	C. Duvekot, Agilent application laboratory, Middelburg, The Netherlands

Peak identification

1. methane
2. ethane + ethylene
3. propane
4. methylchloride
5. methanol
6. vinylchloride
7. isobutane
8. butane
9. acetaldehyde
10. ethanol
11. isopentane
12. pentane
13. 2-propanol
14. acetone
15. 1-propanol
16. tert-butanol
17. vinylacetate
18. ethylacetate



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Printed in the USA
31 October, 2011
First publlished prior to 11 May, 2010
A01563

Agilent Technologies