

Nitrosamines

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

GC separation of 13 basic aromatic compounds uses the stabilized 50% phenyl PDMS phase of an Agilent VF-17ms column.



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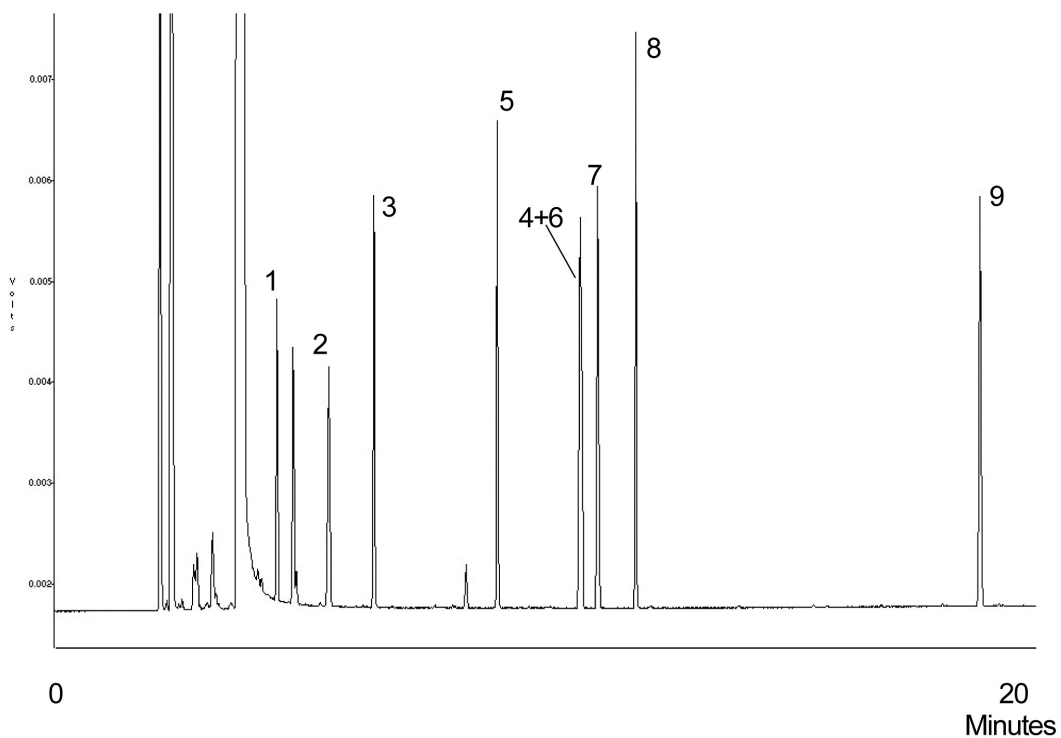
Conditions

Technique : GC
Column : Agilent VF-17ms, 0.25 mm x 30 m fused silica
(df = 0.25 µm) (Part No. CP8982)
Temperature : 50 °C + 10 °C/min → 300 °C
Carrier Gas : Helium, 70 kPa
Injector : Splitter, 1:100
Detector : FID
Sample Size : 1 µL
Concentration Range : 200 ug/mL

Courtesy : J. Peene, Agilent application laboratory,
Middelburg, The Netherlands

Peak identification

1. N-nitroso dimethylamine
2. N-nitroso methylethylamine
3. N-nitroso diethylamine
4. N-nitroso pyrrolidine
5. N-nitroso di-n-propylamine
6. N-nitroso morpholine
7. N-nitroso piperidine
8. N-nitroso-n-butylamine
9. N-nitroso diphenylamine



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This information is subject to change without notice.

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