

# Nitrosamines

## Application Note

Environmental

### Authors

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### Introduction

Separation of nine nitrosamines using Agilent VF-1701ms in 20 minutes.



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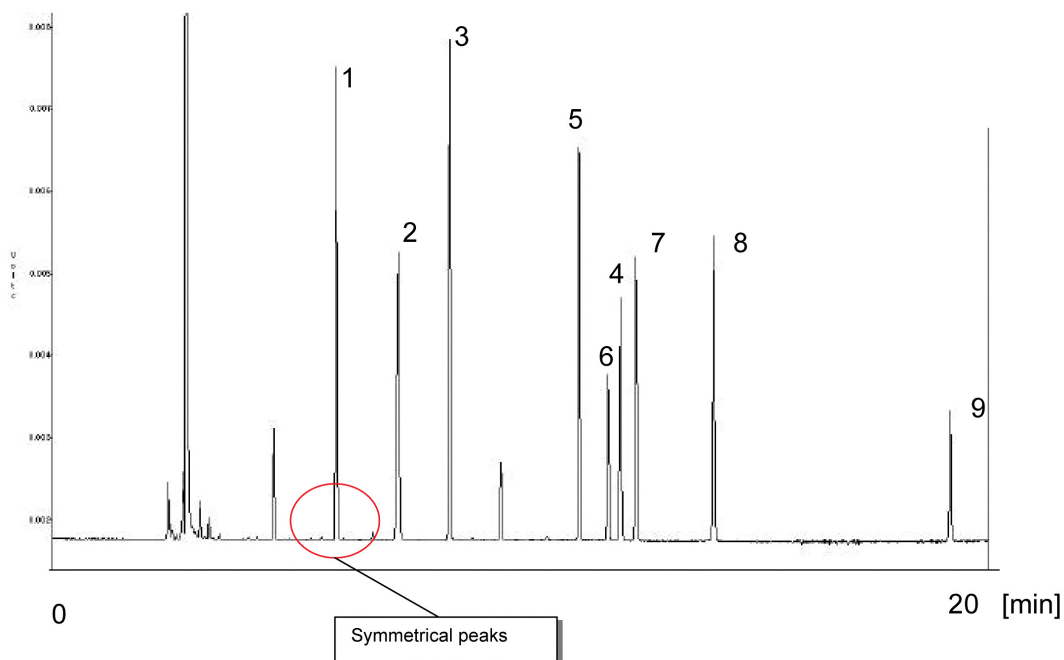
## Conditions

Technique : GC-capillary  
Column : Agilent FactorFourVF-1701ms, 0.25 mm x 30 m fused silica (df= 0.25  $\mu$ m) (Part no. CP9151)  
Temperature : 45 °C (3 min)  $\rightarrow$  280 °C, 10 °C/min  
Carrier Gas : Helium, 60 kPa, 1 mL/min  
Injector : Split, 1:100, 1.0  $\mu$ L  
Detector : FID  
Sample Size : 100  $\mu$ g/mL in methylene chloride

Courtesy : Jan 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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