



Nitro compounds

Analysis of aromatic and basic compounds

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

An Agilent FactorFour VF-200ms GC column separates eight nitro compounds in 20 minutes.



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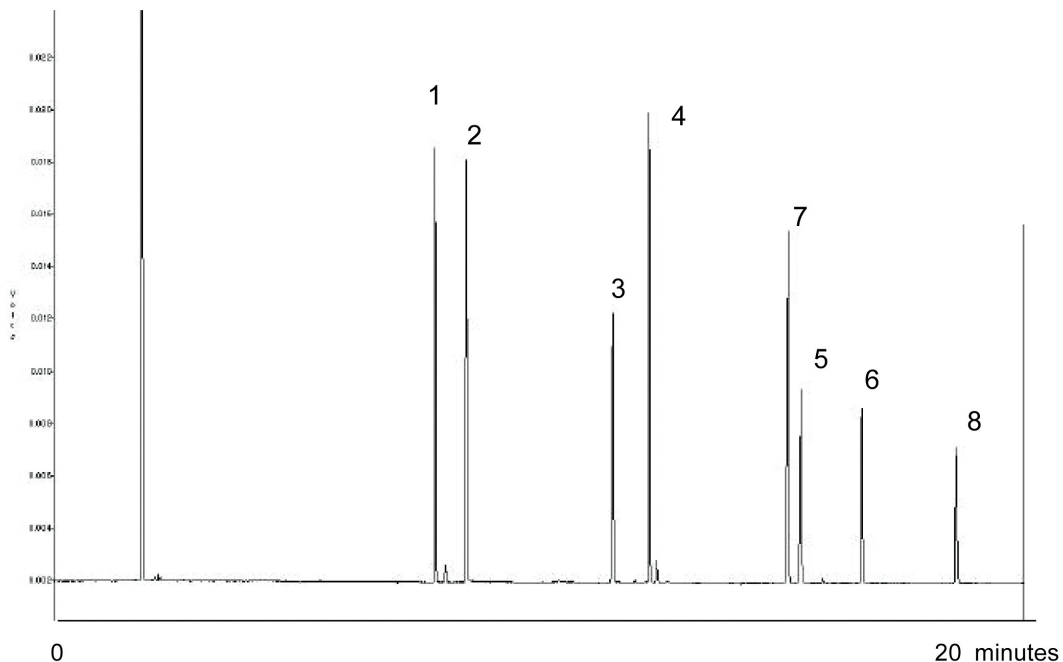
Conditions

Technique : GC
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m
(df = 1.0 μ m) (Part no. CP8860)
Temperature : 45 °C, 3 min 10 °C/min \rightarrow 325 °C
Carrier Gas : Hydrogen 1.0 mL/min
Pressure program : 60 kPa
Injector : Split/Splitless, in split mode, 1:100
Detector : FID
Sample Size : 1 μ L
Solvent : methylene chloride, 2000 μ g/mL

Courtesy : Jane Peene, Agilent Application Laboratory,
Middelburg, The Netherlands

Peak identification

1. aniline
2. benzyl alcohol
3. 4-chloroaniline
4. 2-metylnaphthal
5. 2-nitroaniline
6. 3-nitroaniline
7. dibenzofuran
8. 4-nitroaniline



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This information is subject to change without notice.

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