



Nitro and chlorinated aromatics

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

GC Analysis with Direct injection of nitro- and halogenated aromatic compounds (base neutral) using stabilized 50% phenyl PDMS



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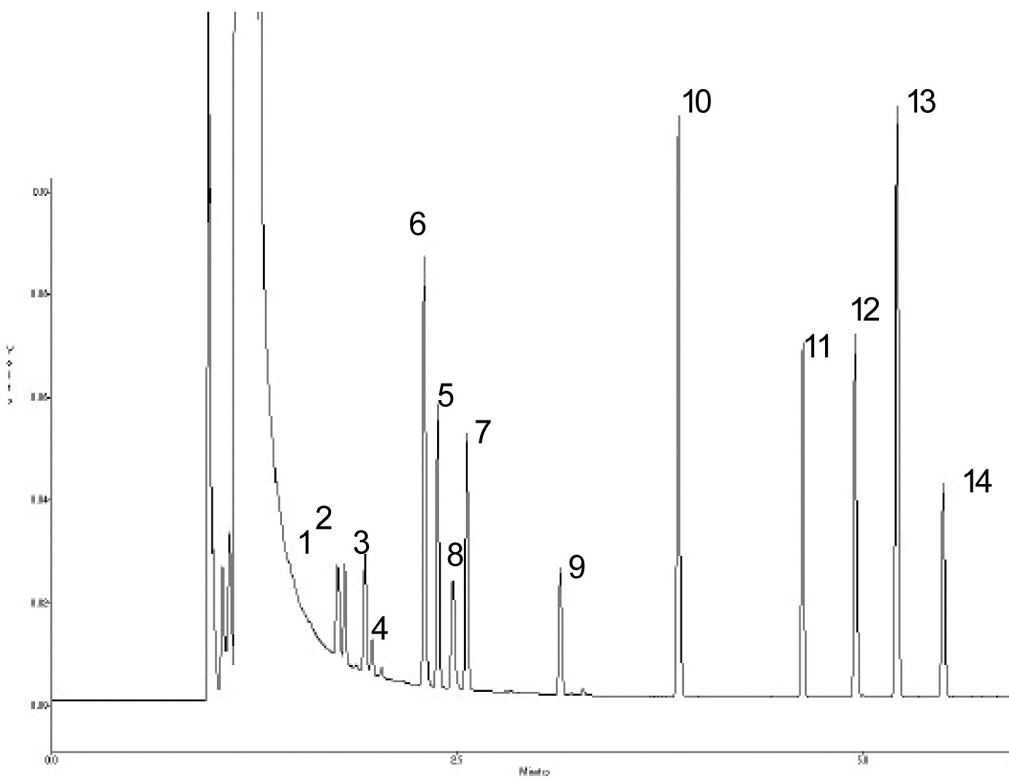
Conditions

Technique : GC
Column : Agilent VF-17ms, 0.53 mm x 30 m fused silica
(df = 0.50 µm) (Part No. CP9000)
Temperature : 100 °C + 25 °C/min → 300 °C
Carrier Gas : Helium, 50 kPa
Injector : Direct injection, T = 250 °C
Detector : FID
Sample Size : 0.2 µL
Concentration Range : 20 - 200 ug/mL

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

Peak identification

- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 1,2-Dichlorobenzene
- Hexachloroethane
- Nitrobenzene
- Isophorone
- 1,2,4-Trichlorobenzene
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- 2-Chloronaphthalene
- 2,6-Dinitrotoluene
- 2,4-Dinitrotoluene
- Azobenzene
- Hexachlorobenzene



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minutes

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This information is subject to change without notice.

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