



Phenols

Analysis of acidic aromatic compounds

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

An Agilent FactorFour VF-200ms GC column separates three phenols in 13 minutes by gas chromatography.



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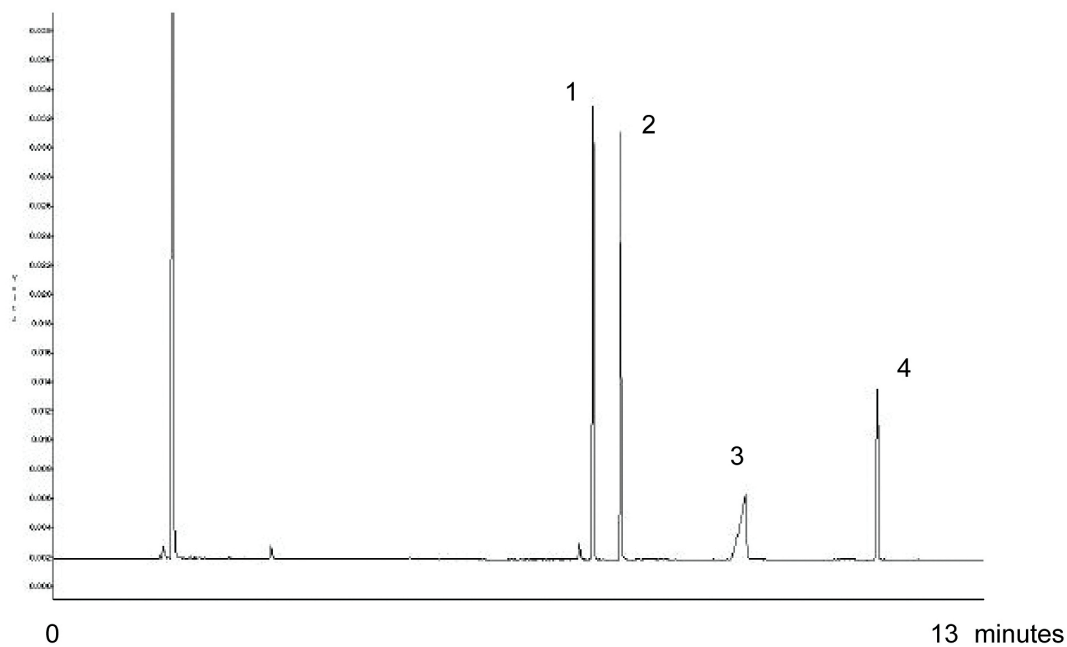
Conditions

Technique : GC
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m
(df = 0.25 μ m) (Part no. CP8858)
Temperature : 45 °C, 10 °C/min \rightarrow 325 °C
Carrier Gas : Helium, ca. 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 : Jan Peene, Agilent Application Laboratory,
Middelburg, The Netherlands

Peak identification

1. 2-methylphenol
2. 4-methylphenol
3. benzoic acid
4. 2,4,5-trimethylphenol



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This information is subject to change without notice.

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