

Acidic aromatic compounds

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Four acidic aromatics are separated by GC using the stabilized 50% phenyl PDMS phase of Agilent VF-17ms in less than 13 minutes.



Agilent Technologies

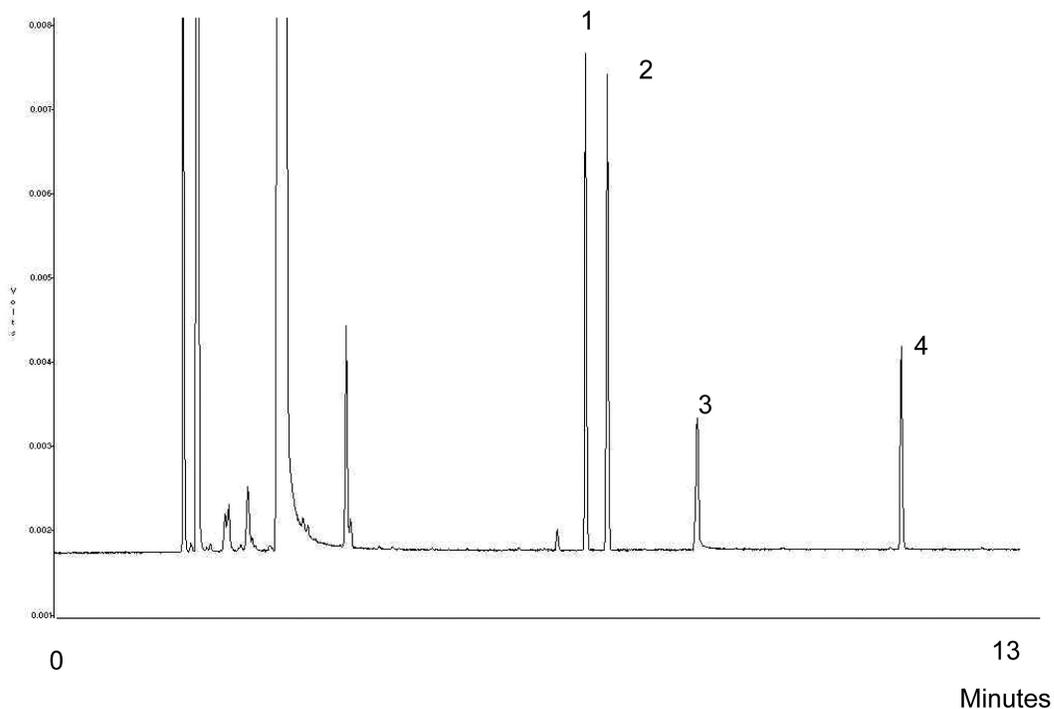
Conditions

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

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

Peak identification

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



www.agilent.com/chem

This information is subject to change without notice.

© Agilent Technologies, Inc. 2011

Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A02282



Agilent Technologies