



Aromatics

Fast analysis of BTX

Application Note

Environmental

Authors

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Introduction

On-site air is monitored for pollutant aromatics using an Agilent 490 Micro GC. An Agilent CP-Wax 52 CB column provides maximum resolution for aromatics and also separates para- and meta-xylene within 200 seconds, down to ppm levels.



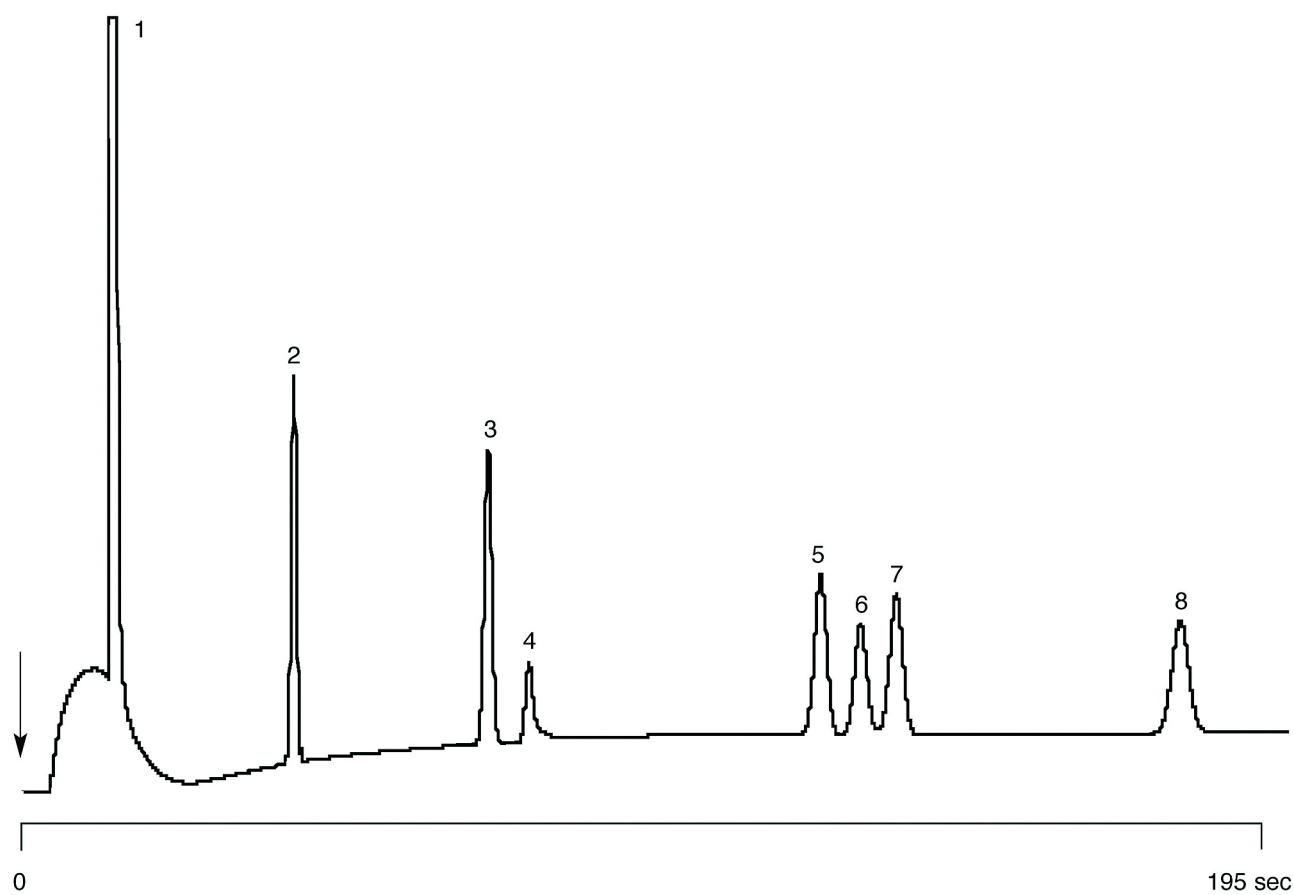
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Conditions

Technique : Micro-GC
Column : Agilent CP-Wax 52 CB, 0.25 mm x 10 m fused silica
WCOT (df = 1.2 μ m) (Special module)
Temperature : 40 $^{\circ}$ C
Carrier Gas : He, 150 kPa (1.5 bar, 21 psi)
Pressure Program : no
Heated Injector : no
Injection Time. : 100 msec
Concentration Range : 100 ppm
Matrix : air

Peak identification

1. composite
2. benzene
3. toluene
4. water
5. ethyl benzene
6. p-xylene
7. m-xylene
8. o-xylene



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This information is subject to change without notice.

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Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A01623



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