



Aromatics

Fast analysis of BTX

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

On-site air for pollution is monitored by using Agilent 490 Micro GC and an Agilent CP-Sil 8 CB column. Target components are aromatics, which can be measured within 150 seconds down to ppm levels.



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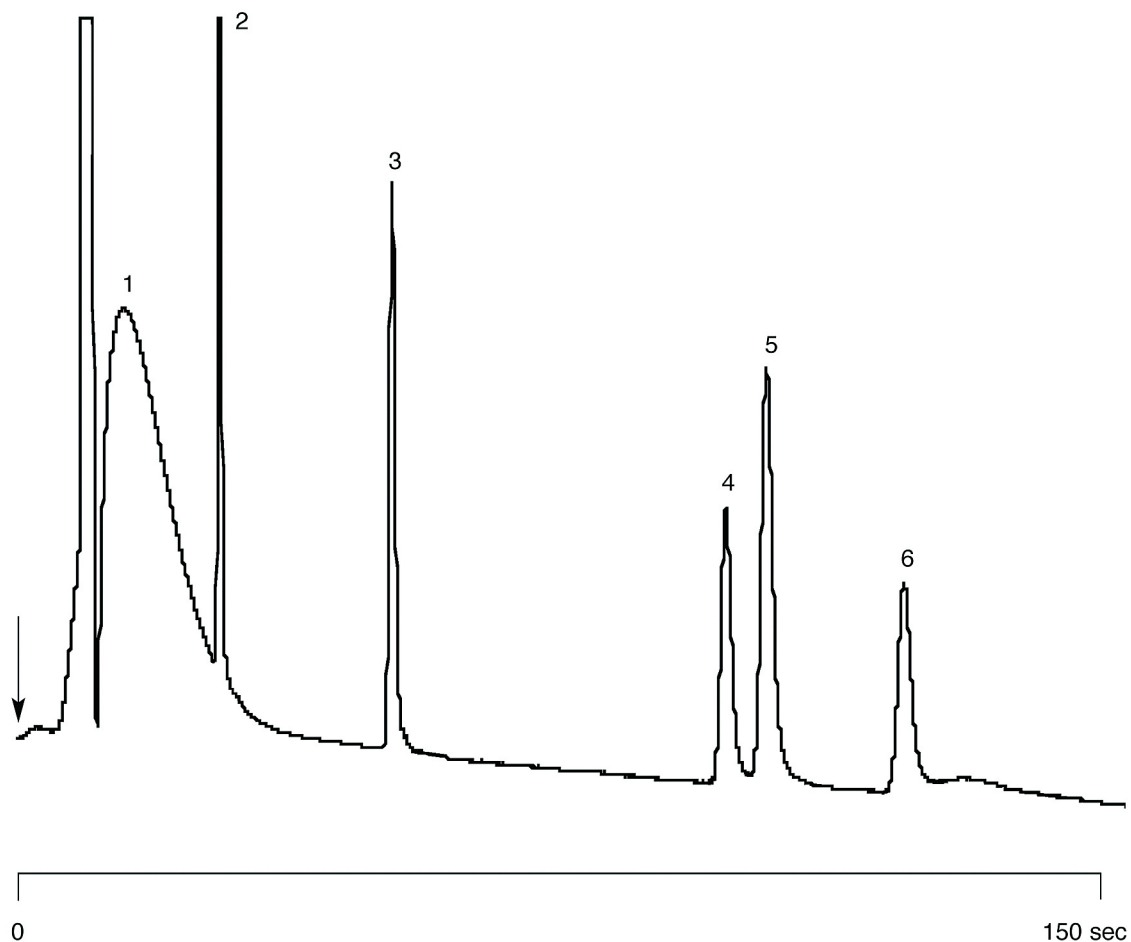
Conditions

Technique : Micro-GC
Column : Agilent CP-Sil 8 CB, 0.1 mm x 4 m fused silica WCOT
(Part no. CP737053)
Temperature : 60 °C
Carrier Gas : He, 150 kPa (1.5 bar, 21 psi)
Heated Injector : no
Injection Time. : 100 msec
Concentration Range : 100 ppm
Matrix : air

Peak identification

1. air + H₂O
2. benzene
3. toluene
4. ethyl benzene
5. m+p xylene
6. o-xylene

Courtesy : Pascal Vattaire/Jean-Luc Barranca, Agilent France S.A.



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