Halogenated hydrocarbons, aromatics

Separation of volatile halogenated hydrocarbons and some aromatics on a fused silica capillary column

Application Note

Environmental

Authors

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Introduction

Gas chromatography using an Agilent CP-Wax 57 CB column separates ten volatile halogenated hydrocarbons and some aromatics in 20 minutes.

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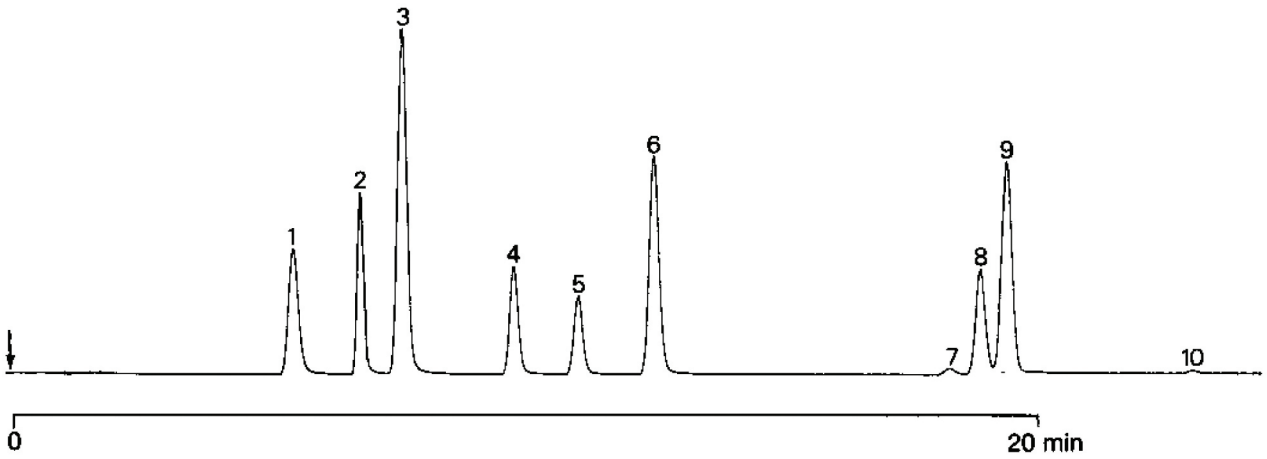
Conditions

Technique	: GC-capillary
Column	: Agilent CP-Wax 57 CB, 0.32 mm fused silica WCOT CP-Wax 57 CB (1.2 µm) (Part no. CP97773)
Temperature	: 60 °C ⟶ 120 °C, 1 °C/min
Carrier Gas	: N_2, 200 kPa (2.0 bar, 29 psi), 16 cm/s
Injector	: on-column T = 200 °C
Detector	: FID, 32 x 10^{-12} Afs T = 200 °C
Sample Size	: 30 µL headspace

Peak identification

1. tetrachloromethane
2. dichloromethane
3. benzene
4. trichloroethene
5. trichloromethane
6. toluene
7. ethylbenzene
8. p-xylene
9. m-xylene
10. o-xylene



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