



Halogenated hydrocarbons

Analysis of impurities in 1,2-dichloroethane

Application Note

Materials Testing & Research

Authors

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Introduction

Agilent PoraBOND U porous polymer is a bonded porous polymer which is prepared in-situ. This results in a very stable and inert column that can be operated at high column flow rates and valve switching. PoraBOND U provides very good peakshape for halogenated compounds. The highly pure PoraBOND U porous polymer has a stability up to 300 °C with very low bleed.



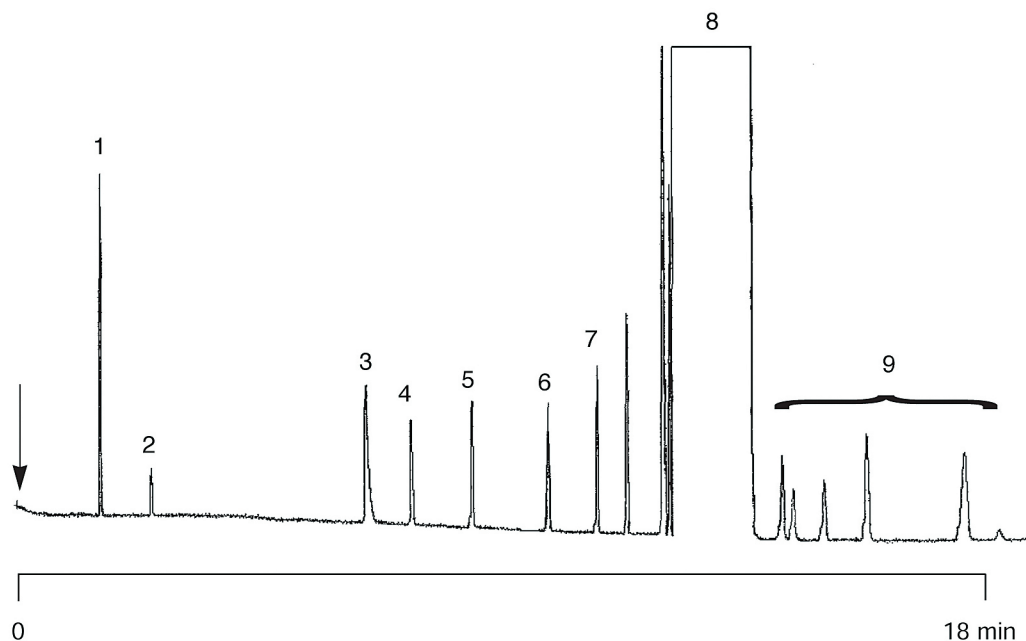
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Conditions

Technique : GC-capillary
Column : Agilent PoraBOND U, 0.32 mm x 25 m fused silica
PLOT (df = 7 μ m) (Part no. CP7381)
Temperature : 30 °C
Carrier Gas : He, 50 kPa (0.5 bar, 7 psi)
Injector : Split, 1:30
T = 250 °C
Detector : MSD
T = 250 °C
Sample Size : 0.5 μ L
Concentration Range : Ca. 500 ppm

Peak identification

1. air
2. carbon dioxide
3. water
4. methylchloride
5. vinylchloride
6. chloroethane
7. 1,1-dichloroethylene
8. 1,2-dichloroethane
9. aromatics



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This information is subject to change without notice.

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