



Volatile halogenated hydrocarbons

Separation of 28 volatile halogenated hydrocarbons in water on a super thick film fused silica capillary column

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography using an Agilent CP-Sil 8 CB column separates 28 volatile halogenated hydrocarbons in 50 minutes.



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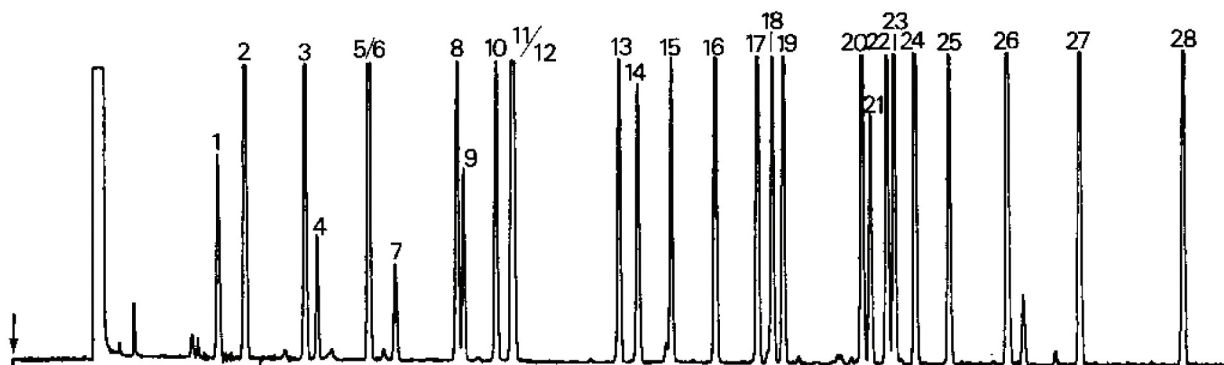
Conditions

Technique : GC-capillary
Column : Agilent CP-Sil 8 CB, 0.32 mm x 50 m fused silica
WCOT CP-Sil 8 CB (5.0 μ m) (Part no. CP7691)
Temperature : 35 °C \rightarrow 200 °C, 2 °C/min
Carrier Gas : H₂, 75 kPa (0.75 bar, 11 psi), 32 cm/s
Injector : Splitter, 200 mL/min
T = 200 °C
Detector : FID
T = 280°C

Courtesy : L. Weber, VITUKI Institute for Water Pollution
Control, P.O.Box 27, Budapest (H)

Peak identification

1. dichloromethane	13. 1,3-dichloropropane	25. 1,3-dibromopropane
2. 2-chloro-2-methylpropane	14. 1-bromo-3-methylbutane	26. bromocyclohexane
3. 2-chloro-butane	15. 1,2-dibromoethane	27. 1,5-dichloropentane
4. trichloromethane	16. 1-bromopentane	28. 1,4-dibromobutane
5. 1-chlorobutane	17. 1-chlorohexane	
6. 1,2-dichloroethane	18. 1,2-dibromopropane	
7. tetrachloromethane	19. 1-bromo-3-chloropropane	
8. 1,2-dichloropropane	20. 1,4-dichlorobutane	
9. dibromomethane	21. 1,1,2,2,-tetrachloroethane	
10. n-propyl iodide	22. 1,2,3-trichloropropane	
11. 1-bromobutane	23. trans-1,4-dichloro-2-butene	
12. 1-bromo-2-chloroethane	24. 1-bromohexane	



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This information is subject to change without notice.

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