



# **Volatile halogenated hydrocarbons**

Separation of 26 volatile halogenated hydrocarbons in water 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 26 volatile halogenated hydrocarbons in water in 38 minutes.



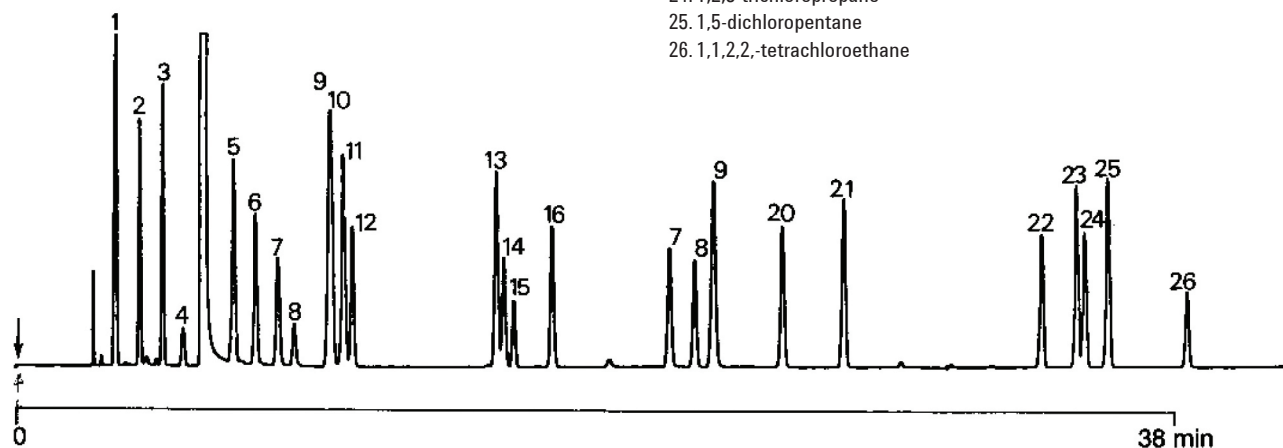
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## Conditions

Technique : GC-capillary  
Column : Agilent CP-Wax 57 CB, 0.32 mm x 50 m fused silica  
WCOT CP-Wax 57 CB (1.2 µm) (Part no. CP97773)  
Temperature : 60 °C → 200 °C, 2 °C/min  
Carrier Gas : H<sub>2</sub>, 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. 2-chloro-2-methyl-propane
2. 2-chlorobutane
3. 1-chlorobutane
4. tetrachloromethane
5. 1-bromobutane
6. n-propyliodide
7. 1-bromo-3-methylbutane
8. trichloromethane
9. 1,2-dichloropropane
10. 1-chlorohexane
11. 1-bromopentane
12. 1,2-dichloroethane
13. 1-bromohexane
14. 1-bromo-2-chloroethane
15. dibromomethane
16. 1,3-dichloropropane
17. 1,2-dibromopropane
18. 1,2 dibromoethane
19. bromocyclohexane
20. 1-bromo-3-chloropropane
21. 1,4-dichlorobutane
22. 1,3-dibromopropane
23. trans-1,4-dichloro-2-butene
24. 1,2,3-trichloropropane
25. 1,5-dichloropentane
26. 1,1,2,2,-tetrachloroethane



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