



# Halogenated hydrocarbons

## Analysis of a CFC-standard for environmental analysis

### Application Note

Environmental

#### Authors

Agilent Technologies, Inc.

#### Introduction

Gas chromatography with an Agilent CP-SilicaPLOT column separates a standard mix of ten chlorofluorohydrocarbons in 20 minutes.



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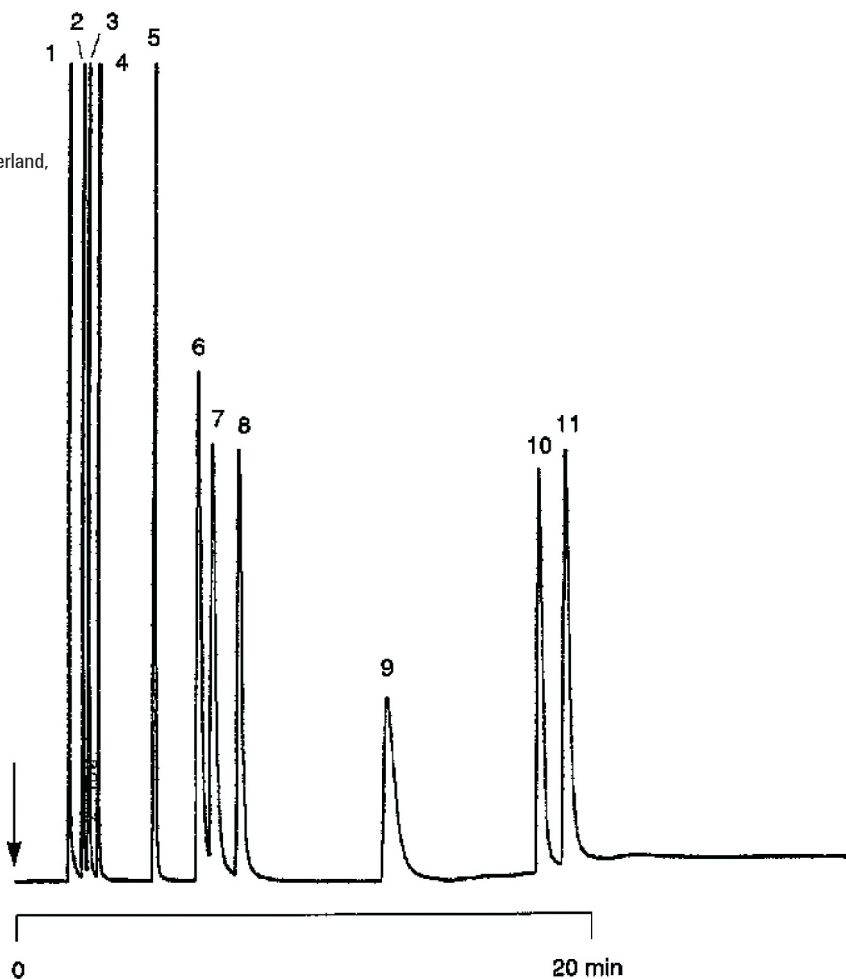
## Conditions

Technique : GC-wide-bore  
Column : Agilent CP-SilicaPLOT, 0.53 mm x 30 m, fused silica  
PLOT CP-SilicaPLOT (df = 6 µm) (Part no. CP8570)  
Temperature : 50 °C (15 min) → 120 °C, 10 °C/min  
Carrier Gas : He, 40 kPa (0.4 bar, 7.2 psi)  
Injector : Splitter, split flow 53 mL/min (split ratio 1:14),  
T = 175 °C  
Detector : TCD, T = 200 °C  
Sample Size : 500 µL  
Concentration Range : 2 vol. % in air

Courtesy : J. Steel, Dupont de Nemours Nederland,  
Dordrecht, the Netherlands

## Peak identification

1. unretained
2. CFC 116
3. CFC 13
4. CFC 23
5. CFC 32
6. CFC 125
7. CFC 143A
8. CFC 22
9. CFC 134A
10. CFC 152A
11. CFC 124



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This information is subject to change without notice.

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