



Chlorinated hydrocarbons

Fast analysis of chlorinated hydrocarbons using micro-injection technique

Application Note

Environmental

Authors

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Introduction

Fast analysis of chlorinated hydrocarbons using short wide bore (0.53 mm id) fused silica Agilent CP-SilicaPLOT column and a micro-volume direct injection device. A narrow injection band is obtained allowing fast analysis. Column overloading is reduced to a minimum due to the small injected amounts but, the detection limits are around 0.2 ppm.



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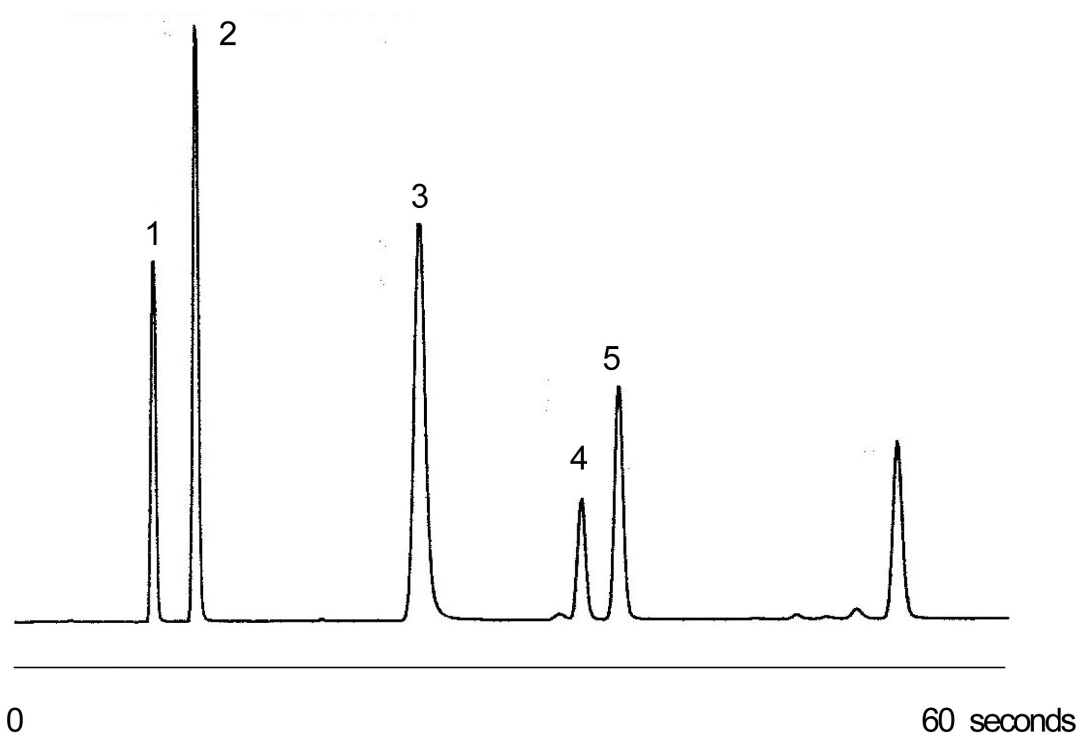
Conditions

Technique : GC
Column : Agilent CP-Silica PLOT, 0.53 mm x 5 m fused silica
(df = 6 μ m) prepared from Part no. CP8569
Temperature : 60 °C (0.1 min) \rightarrow 250 °C, 70 °C/min
Carrier Gas : Helium
Injector : Valve
Detector : FID
Sample Size : 20 μ L
Concentration Range : 1000 ppm nitrogen

Courtesy : Jim Luong and Rhonda Gras, Dow Chemical Canada

Peak identification

1. ethylene
2. cyclopropane
3. methylchloride
4. vinylchloride
5. ethylchloride



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This information is subject to change without notice.

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