



Analysis of chlorinated phenols

Application Note

Environmental

Authors

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Introduction

GC/MS separation of six chlorinated phenols using an Agilent CP-Volamine column is achieved in 30 minutes.



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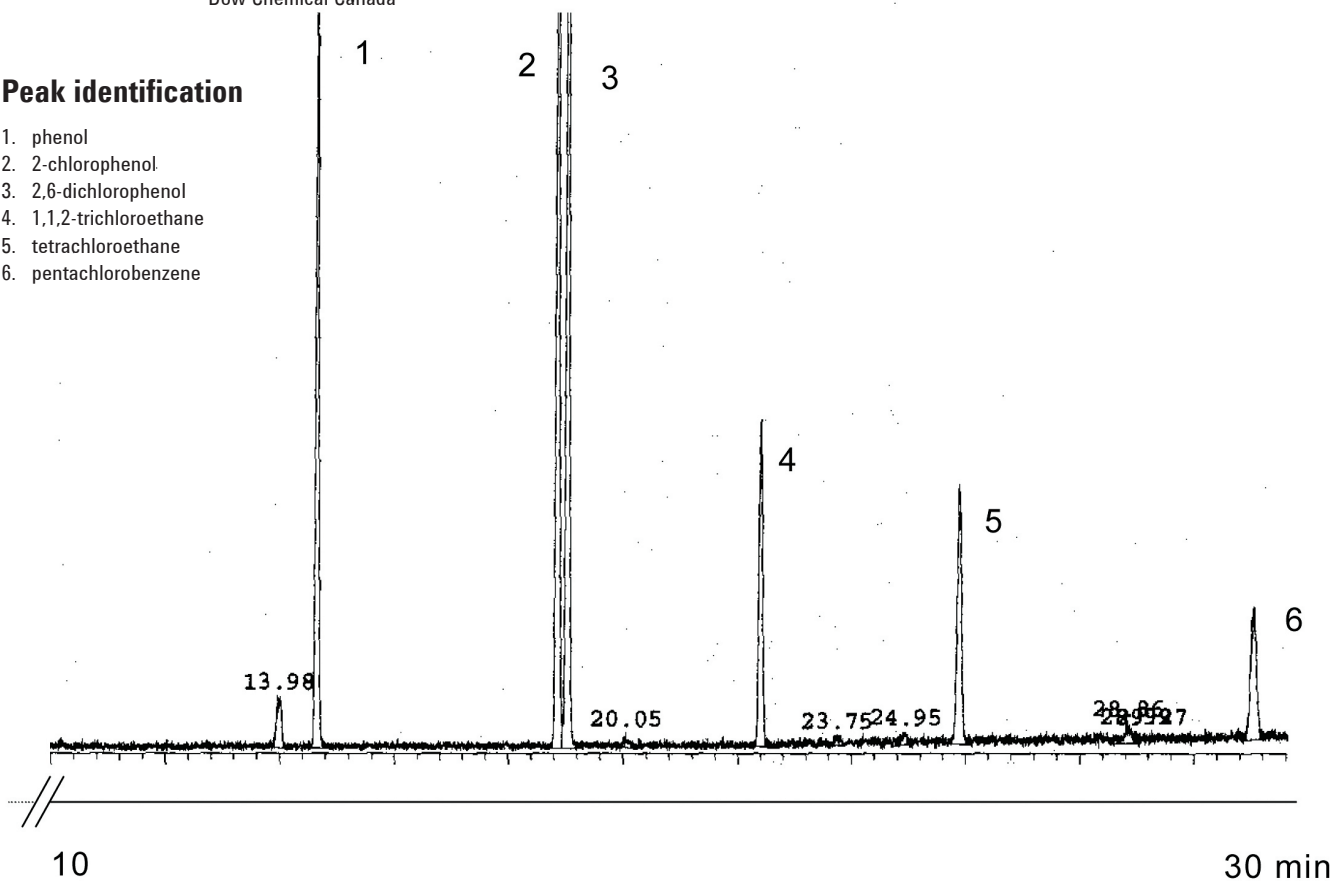
Conditions

Technique : GC
Column : Agilent CP-Volamine, 0.32 mm x 30 m fused silica
(optimized filmthickness) Part no. CP7447
Temperature : 40 °C (2 min) → 250 °C, 10 °C/min
Carrier Gas : Helium, 3 Psi
Injector : Split
Detector : MS
Sample Size : 0.5 µL
Concentration Range : approx. 5 ng on the column per component

Courtesy : Jim Luong and Paige Spencer,
Dow Chemical Canada

Peak identification

1. phenol
2. 2-chlorophenol
3. 2,6-dichlorophenol
4. 1,1,2-trichloroethane
5. tetrachloroethane
6. pentachlorobenzene



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This information is subject to change without notice.

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