Solvents

Application Note

Materials Testing & Research

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with the Agilent PoraBOND Q column separates four chlorinated solvents in under 13 minutes.

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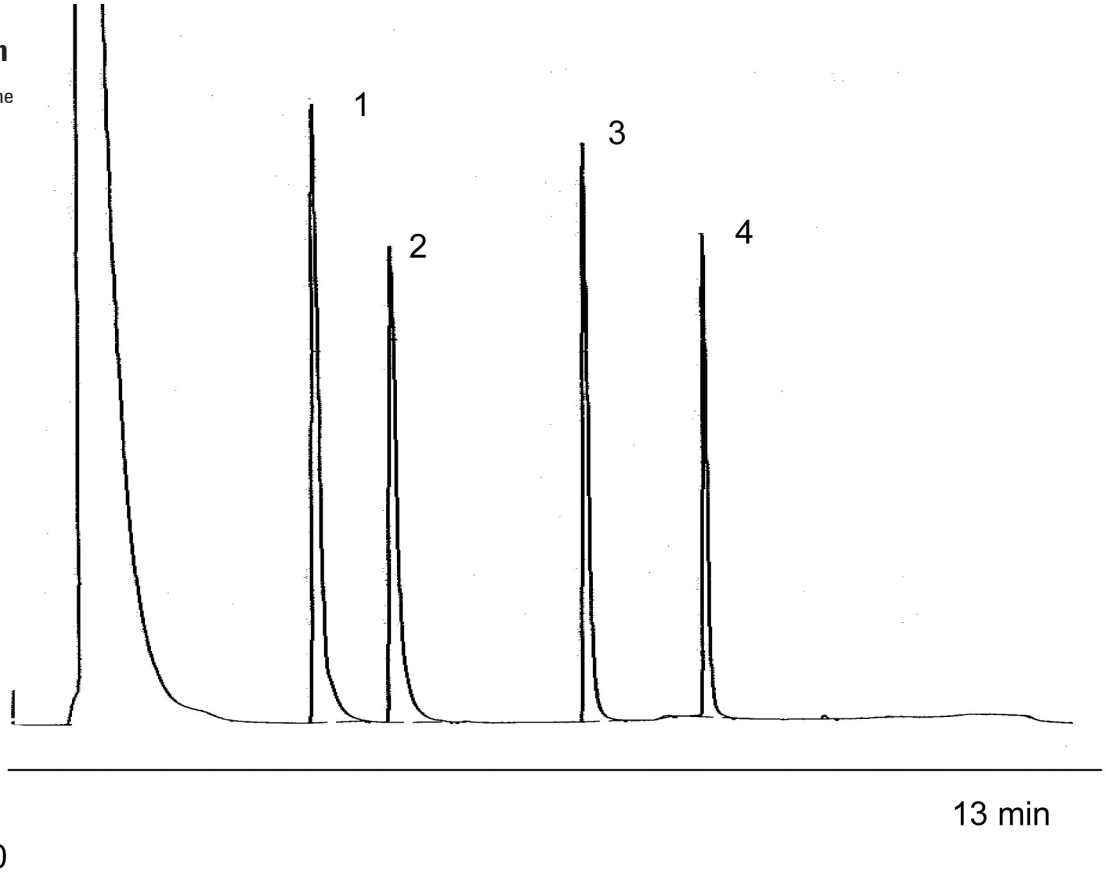
Conditions

Technique	:	GC
Column	:	Agilent PoraBOND Q, 0.53 mm x 25 m fused silica (df = 10 µL) (Part no. CP7354)
Temperature	:	100 °C (2 min) ⟶ 120°C, (0 min) 5 °C/min ⟶ 240 °C, 20 °C/min, (2 min)
Carrier Gas	:	Helium, 65 kPa, 10 psi
Injector	:	Purge & Trap procedure
Detector	:	FID
Concentration Range	:	ca. 100 ppm level

Courtesy : David Black, Department of Civil Engineering, North Carolina State University, USA

Peak identification

1. trans-1,2 dichloroethylene
2. cis-1,2-dichlorethylene
3. trichloroethylene
4. tetrachloroethylene



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