



Gases C₁ - C₄

Analysis of gases and volatiles

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with an Agilent PoraPLOT Q column separates eight gases and volatiles in 13 minutes.



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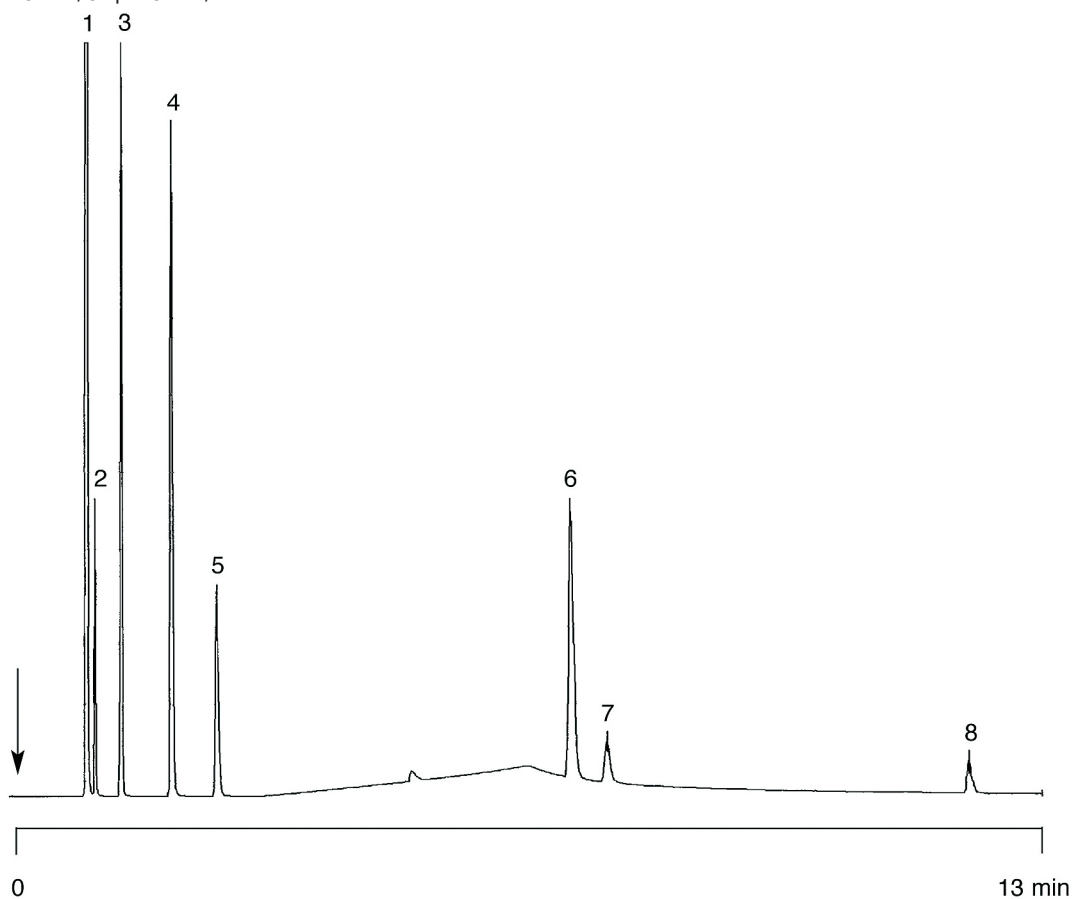
Conditions

Technique : GC-capillary
Column : Agilent PoraPLOT Q, 0.53 mm x 25 m fused silica
PLOT (df = 20 μ m) (Part no. CP7554)
Temperature : 40 °C (3 min) \rightarrow 150 °C, 10 °C/min
Carrier Gas : He, 65 kPa (0.65 bar, 8 psi)
Injector : Split, 1 :50,
T = 225 °C
Detector : TCD
T = 250 °C
Sample Size : 50 μ L

Courtesy : Ernest Gil, Senior Research Analyst, Celanese
Technical Center, Corpus Christi, Texas

Peak identification

1. carbon monoxide
2. methane
3. carbon dioxide
4. ethylene
5. ethane
6. propylene
7. propane
8. butane



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This information is subject to change without notice.

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Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A01610



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