

Permanent gases and CO₂

Fast analysis of permanent gases and CO₂ using tandem PLOT columns

Application Note

Environmental

Authors

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Introduction

Fast GC analysis of permanent gases and CO₂ is achieved in two minutes using Agilent PLOT columns in tandem, in the Agilent Select Permanent Gases/CO₂ format.



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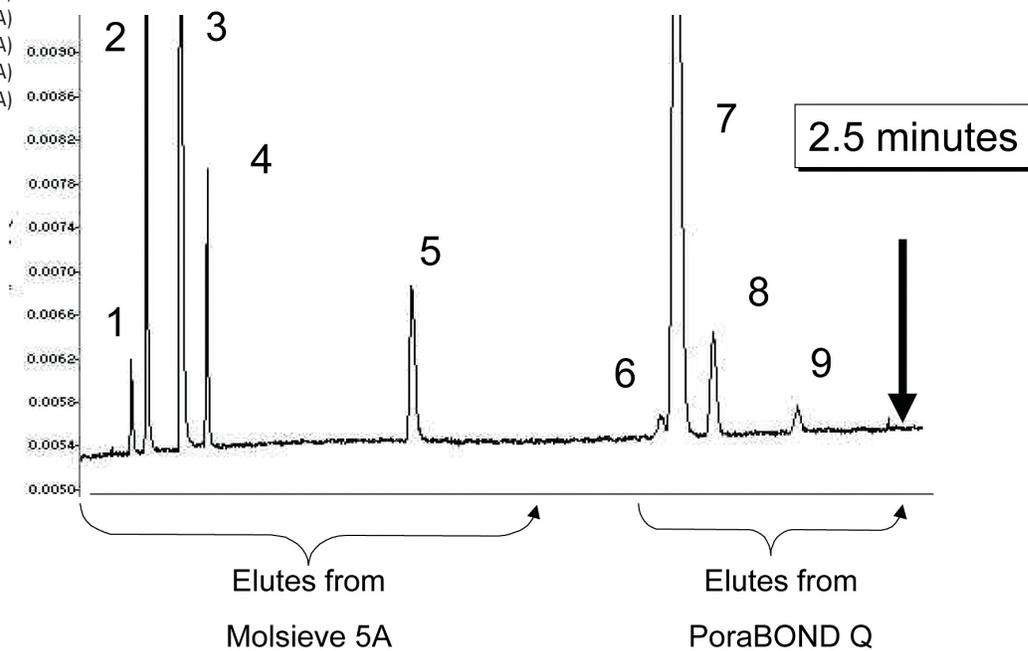
Conditions

Technique : GC
Column : Agilent Select Permanent Gases/CO₂, fused silica
Part no. CP7429
Temperature : 45 °C
Carrier Gas : H₂, 60 kPa
Injector : Split 50 mL/min
Detector : μ-TCD
Sample Size : 10 μL
Concentration range : % level

Courtesy : C. Duvekot, Agilent Application laboratory,
Middelburg, The Netherlands

Peak identification

1. He (from ms-5A)
2. O₂ (from ms-5A)
3. N₂ (from ms-5A)
4. methane (from ms-5A)
5. CO (from ms-5A)
6. He (from PBQ)
7. N₂+O₂+CO (from PBQ)
8. methane (from PBQ)
9. CO₂ (from PBQ)



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