Permanent gases and CO$_2$
Fast analysis of permanent gases and CO2 using tandem PLOT columns

Application Note

Environmental

Authors
Agilent Technologies, Inc.

Introduction
Fast GC analysis of permanent gases and CO$_2$ is achieved in two minutes using Agilent PLOT columns in tandem, in the Agilent Select Permanent Gases/CO$_2$ format.
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)