Permanent gases

Application Note

Environmental

Authors
Agilent Technologies, Inc.

Introduction
Gas chromatography with a custom-made Agilent CP-Molsieve 5Å column separates six permanent gases in 20 minutes.
Conditions

Technique: GC-wide-bore

Column: Agilent CP-Molsieve 5Å, 0.53 mm x 50 m fused silica
PLOT CP-Molsieve 5Å (df = 50 μm)
(Part no. CP7539)

Temperature: 30 °C

Carrier Gas: H₂, 55 kPa (0.55 bar, 8 psi), 25.6 cm/s

Injector: Splitter, 200 mL/min
T = 30 °C

Detector: TCD
T = 180 °C

Concentration Range: 5 - 10%

Peak identification
1. helium
2. neon
3. argon
4. oxygen
5. nitrogen
6. methane

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This information is subject to change without notice.
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