Introduction

Gas chromatography with an Agilent PorapLOT Q column separates six gases in water solvents in five minutes.
Conditions

Technique : GC-capillary
Column : Agilent PoraPLOT Q, 0.32 mm x 10 m fused silica
          PoraPLOT Q (df = 10 µm) (Part no. CP7550)
Temperature : 60 °C
Carrier Gas : H₂, 15 kPa (0.15 bar, 2.1 psi), 24 cm/s
Injector method : Split, 100 mL/min
          T = 250 °C
Detector : µ-TCD, Attn. 4x
Sample Size : 25 µL
Concentration Range : 0.5 - 3%

Peak identification
1. air
2. methane
3. carbon dioxide 0.8%
4. ethane 3.0%
5. hydrogen sulfide 0.7%
6. water 0.7%
7. propane 0.5%

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This information is subject to change without notice.
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