Gases
Analysis of sulfur gases

Application Note

Energy & Fuels

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Introduction
Gas chromatography with an Agilent PoraPLOT U column separates four sulfur gases in six minutes.
Conditions

Technique: GC-capillary

Column: Agilent PoraPLOT U, 0.53 mm x 25 m (ID x L) fused silica PoraPLOT U (df = 20 µm) (Part no. CP7584)

Temperature: 50 °C

Carrier Gas: H₂

Injector: Split, 100 mL/min

Detector: FPD

Sample: ± 100 ppm

Peak identification

1. hydrogen sulfide
2. carbonyl sulfide
3. sulfur dioxide
4. methyl sulfide