Sulfur compounds
Fast analysis of MES in natural gas

Application Note

Energy & Fuels

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Introduction
Fast gas chromatography of sulfur compounds in natural gas takes 100 seconds using the MES module PLOT column in the Agilent 490 Micro GC.
Conditions

Technique: Micro-GC
Column: Agilent MES module PLOT
Part no. CP739783
Temperature: 80 °C
Carrier Gas: He, 150 kPa (1.5 bar, 21 psi)
Pressure program: 70 kPa
Heated injector: yes, 110 °C
Injection time: 255 mSec
Sensitivity: high
Concentration Range: 10 ppm
Matrix: natural gas spiked with 10 ppm C\textsubscript{10} and 10 ppm MES

Peak identification

1. natural gas
2. decane
3. methyl ethyl sulfide (MES)

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