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.

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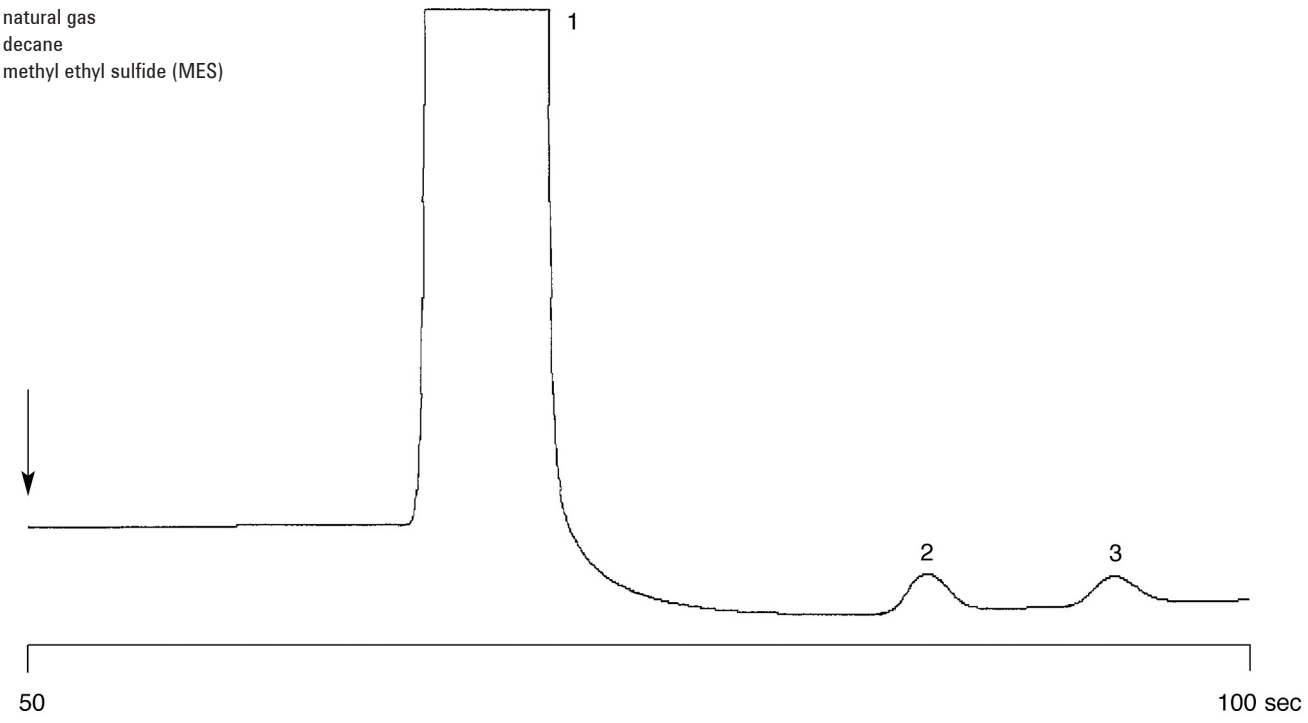
Conditions

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 oc
Injection time	:	255 mSec
Sensitivity	:	high
Concentration Range	:	10 ppm
Matrix	:	natural gas spiked with 10 ppm C_{10} and 10 ppm MES

Peak identification

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



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