

CoreFocus

Report

No.347

GC

SCD

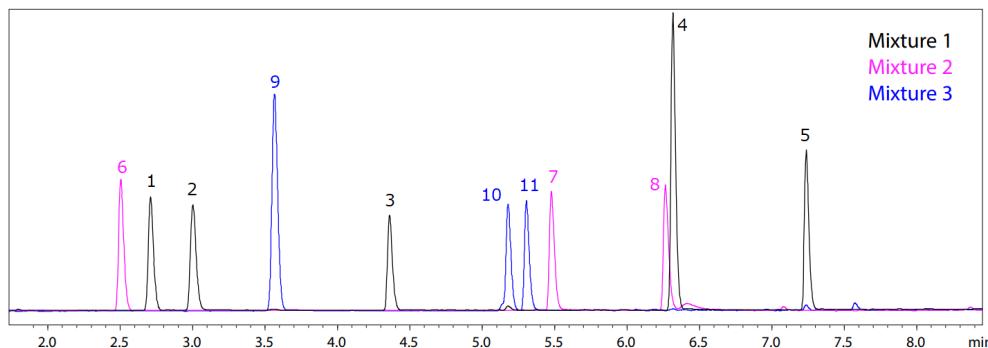
AOC

SH Series

SH-1

Analysis of Sulfur Compound Species

Keywords: sulfur compounds, relative molar sensitivity



1. Thiophene
2. S-methyl thioacetate
3. Diisopropyl sulfide
4. Dimethyl trisulfide
5. Diallyl disulfide
6. Propylene sulfide
7. Dibutyl disulfide
8. 1,4-Thioxane
9. Dimethyl disulfide
10. Allyl sulfide
11. Allyl isothiocyanate (10 µg/mL each)

Main Unit	:	Nexis™ GC-2030 / AOC-20i Plus
Injection Volume	:	0.5 µL
Injection Temp.	:	220 °C
Injection Unit	:	SPL (Sulfinert® treatment completed)
Injection Mode	:	Split
Split Ratio	:	1:50
Carrier Gas	:	He
Carrier Gas Control	:	Linear Velocity (30 cm/s)
Purge Gas	:	3.0 mL/min
Column	:	SH-1 (30 m x 0.25 mm I.D. df = 0.25 µm), P/N: 221-75719-30
Column Temp.	:	50 °C(3.5 min) - 30 °C/min - 200 °C - 25 °C/min - 250 °C (2 min)
Detector	:	Sulfur Chemiluminescence Detector (SCD-2030)
Detector Temp .	:	200 °C
Furnace Temp.	:	850 °C
H ₂ Flow Rate	:	100 mL/min
N ₂ Flow Rate	:	10 mL/min
O ₂ Flow Rate	:	12 mL/min
O ₃ Flow Rate	:	25 mL/min

Source : Application News G330 ([JP](#), [ENG](#))

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