

CoreFocus
Report
No.347

GC

SCD

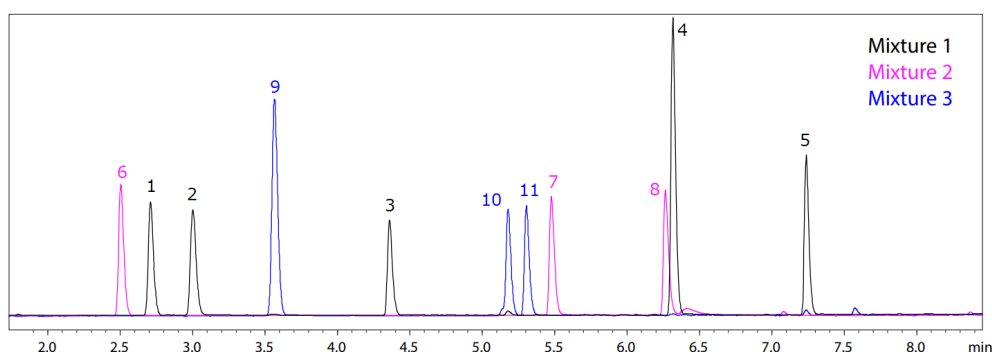
AOC

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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