

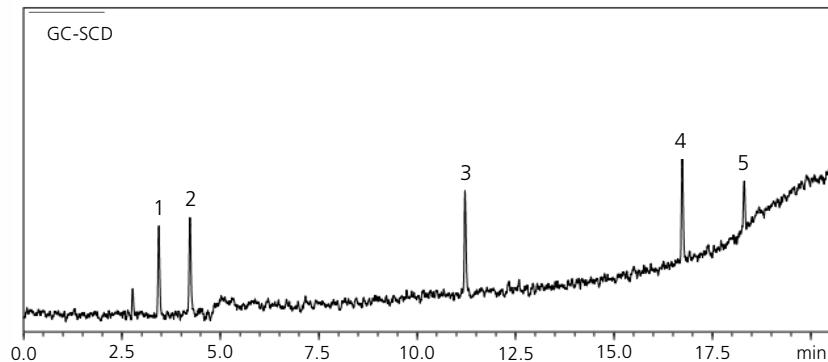
CoreFocus
Report
No.397

GCMS SCD AOC SH Series

SH-I-1MS

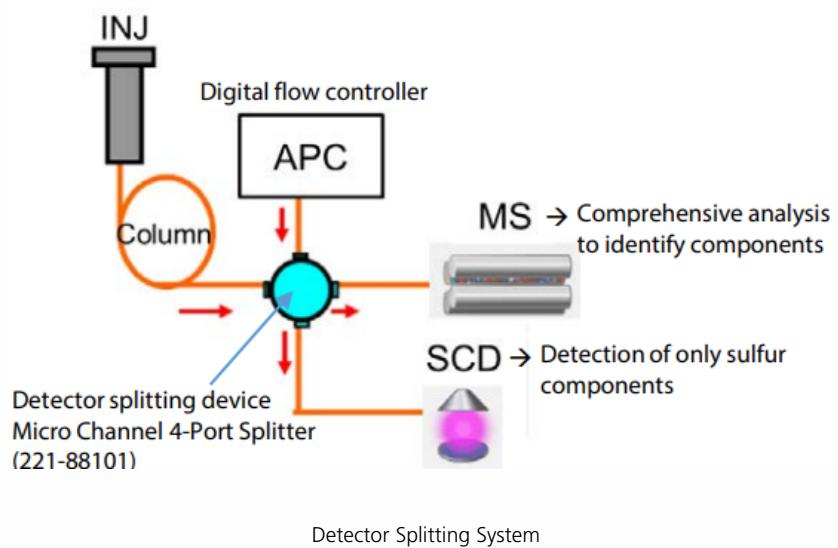
**Monitoring of Sulfur Components by
Simultaneous Analysis**

Keywords: fossil fuels



Model	:	GCMS-QP™2020 NX
GC		
Injection	:	SPL
Injection volume	:	1.0 µL (using AOC™-30i)
Injection temp.	:	330 °C
Injection mode	:	Split
Split ratio	:	1:15
Carrier gas	:	He
Carrier gas control	:	Linear velocity (45 cm/s)
Column	:	SH-I-1MS (30m x 0.32 mm I.D., 4.0 µm), P/N : 227-36011-01
Column oven temp.	:	50 °C - 15 °C /min - 330 °C (2 min)
Detector	:	Nexis™ SCD-2030
Interface temp.	:	280 °C
Electric furnace temp.	:	850 °C
Detector gas	:	H ₂ 80.0 mL/min, N ₂ 40.0 mL/min O ₂ 10.0 mL/min, O ₃ 25.0 mL/min
Detector splitting system*	:	Micro Channel 4-Port Splitter
Resistance tube	:	0.5 m x 0.15 mm I.D. (for both MS and SCD lines)
Detector branch ratio	:	SCD : MS = 1 : 1.03
AUX-APC	:	20 kPa
MS		
Ion source temp.	:	230 °C
Interface temp.	:	300 °C
Ionization method	:	EI
Measurement mode	:	Scan
Event time	:	0.3 s

*Detector splitting package (Splitter device + APC)
SMI FLOW DEVICE 2-Way Splitter with APC, P/N : 221-88100-41



Source : Application News 01-00206 ([JP](#), [ENG](#))

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