SHIMADZU
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CoreFocus Report

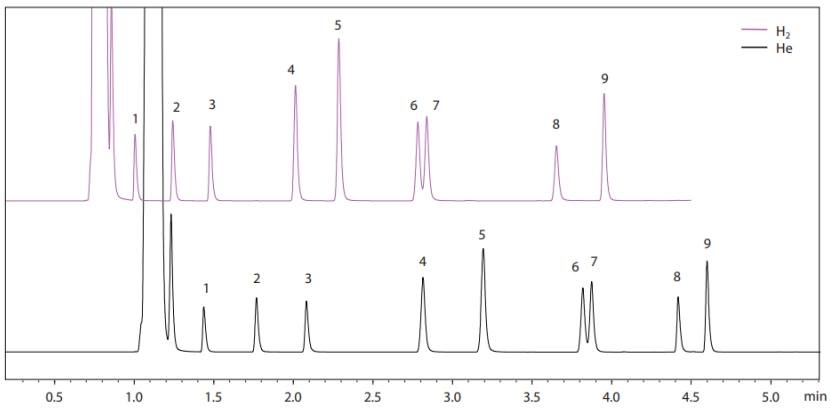
No.316

GC | FID | AOC | SH Series

SH-PolarWax

Analyzing Organic Compound Species with Hydrogen Carrier Gas

Keywords: Hydrogen carrier gas, Organic compounds, Narrow bore capillary column



1. Acetone
2. Ethyl acetate
3. Isopropyl alcohol (IPA)
4. Methyl isobutyl ketone (MiBK)
5. Toluene
6. Butyl acetate
7. 2-Hexanone (MBK)
8. Propylene Glycol Monomethyl ether
9. n-Butanol
   (1 vol%)

Model	: Nexis™ GC-2030 , AOC-20i
Injection Mode	: Split mode
Injection Volume	: 0.5 µL
Split Ratio	: 1:100
Injection Temp.	: 260 ˚C
Carrier Gas	: H_2/He
Carrier Gas Control	: Constant column flow rate (0.8 mL/min)
Column	: SH-Wax (20 m×0.10 mm I.D., df = 0.10 µm), P/N: 227-36356-01
Column Temp.	: 40 ˚C - 4 ˚C/min - 50 ˚C(1 min) - 40 ˚C/min - 90 ˚C(2 min*)
Detector	: FID
Detector Temp.	: 260 ˚C
Detector Gas	: H_2 32.0 mL/min, Air 200 mL/min
Makeup Gas	: With H_2 carrier gas: N_2 (24 mL/min) With He carrier gas: He (24 mL/min)

*: Only when using He

Source : Application News G298 (JP, ENG)

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