

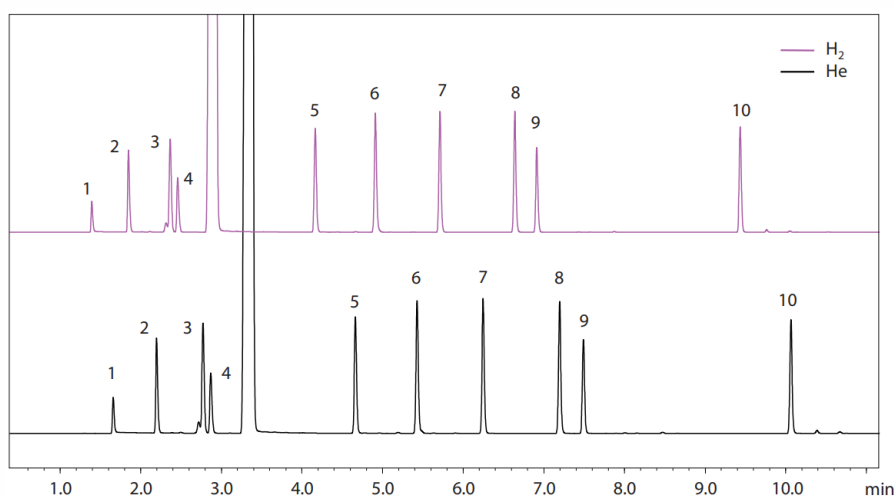
**CoreFocus**  
**Report**  
**No.317**

GC FID AOC SH Series

**SH-PolarWax**

**Analyzing Organic Compound Species  
with Hydrogen Carrier Gas**

**Keywords: Organic Compounds, Aldehydes, Alcohols, Ketones, Esters,  
Hydrogen Carrier Gas**



1. Acetaldehyde
2. Acetone
3. Ethyl acetate
4. Methanol
5. n-Propanol
6. i-Butanol
7. n-Butanol
8. i-Amyl alcohol
9. Ethyl cellosolve
10. Butyl cellosolve (1 vol%)

Model	: Nexis™ GC-2030 , AOC-20i
Injection Mode	: Split mode
Injection Volume	: 0.5 µL
Split Ratio	: 1:50
Injection Temp.	: 260 °C
Carrier Gas	: H <sub>2</sub> /He
Carrier Gas Control	: Constant column flow rate (3 mL/min)
Column	: SH-PolarWax (30 m x 0.32 mm I.D. df = 0.50 µm), P/N: 227-36251-01
Column Temp.	: 50 °C(2 min) -10 °C/min - 200 °C
Detector	: FID
Detector Temp.	: 260 °C
Detector Gas	: H <sub>2</sub> 32.0 mL/min, Air 200 mL/min
Makeup Gas	: With H <sub>2</sub> carrier gas: N <sub>2</sub> (24 mL/min) With He carrier gas: He (24 mL/min)

Source : Application News G298 ([JP](#), [ENG](#))

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