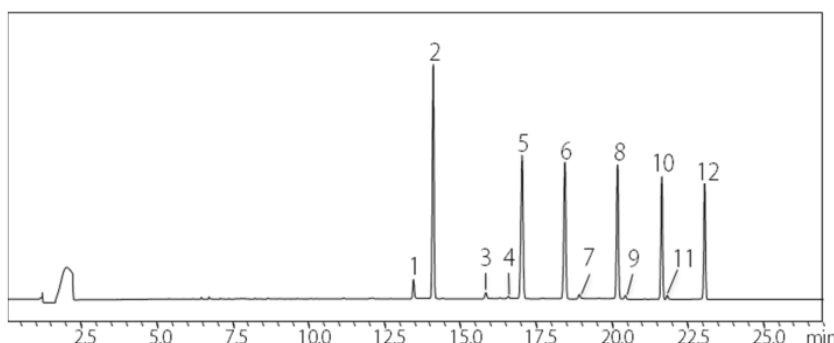


CoreFocus
Report
No.312

GC FTD AOC SH Series
SH-5

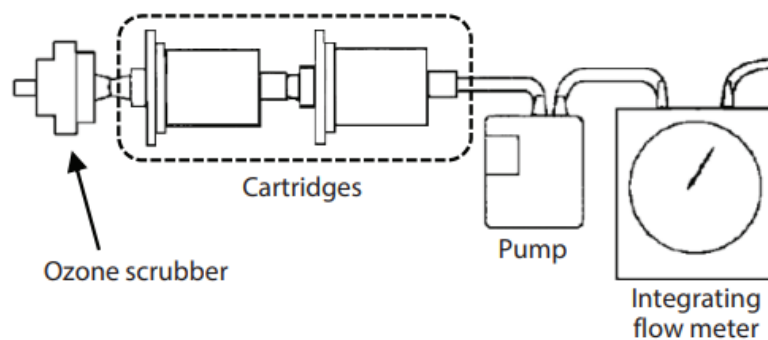
Analysis of Lower Aliphatic Aldehydes

Keywords: Aldehydes, DNPH (2,4-dinitrophenylhydrazine)

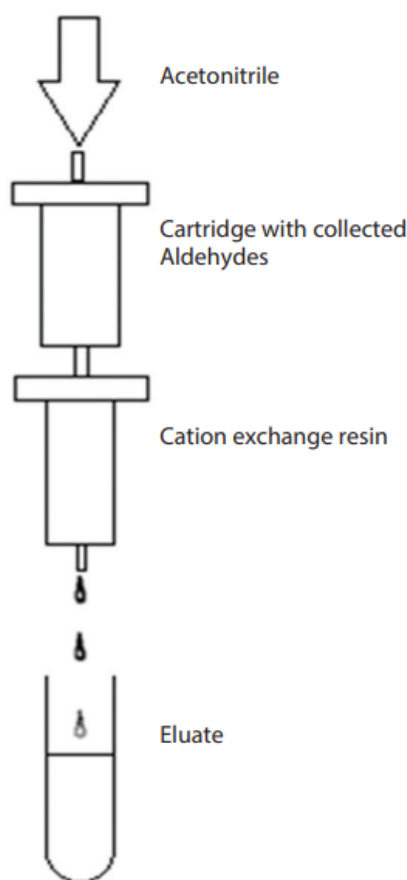


1. acetaldehyde-DNPH1
 2. acetaldehyde-DNPH2
 3. propionaldehyde-DNPH1
 4. i-butylaldehyde-DNPH1
 5. propionaldehyde-DNPH2
 6. i-butylaldehyde-DNPH2
 7. n-butylaldehyde-DNPH1
 8. n-butylaldehyde-DNPH2
 9. i-valeraldehyde-DNPH1
 10. i-valeraldehyde-DNPH2
 11. n-valeraldehyde-DNPH1
 12. n-valeraldehyde-DNPH2
- (1 µg/mL Ethyl Acetate Solution)

Model	: Nexis™ GC-2030 / AOC-20i
Software	: LabSolutions™ LC/GC
Injection Unit Temperature	: 200 °C
Injection Mode	: Splitless (Sampling time: 1 min; then split (1:30))
Sample Injection Volume	: 1 µL
Column	: SH-5 (30 m x 0.25 mm I.D. df = 0.25 mm), P/N: 221-75701-30
Column Temperature	: 80 °C (1 min) - 20 °C/min - 200 °C (10 min) - 5 °C/min - 250 °C (0 min) Total 27 min
Carrier Gas	: He (99.999 %)
Carrier Gas Control	: Constant linear velocity (41.7 cm/s, purge flowrate: 3 mL/min)
Detector	: FTD-2030 (Flame Thermionic Detector)
Detector Temperature	: 280 °C
Current	: 1.00 pA
Detector Gas Flowrate	: H ₂ : 1.5 mL/min, Air: 145 mL/min
Makeup Gas Flowrate	: 27.5 mL/min (He)



Schematic Diagram of Collection Method



Schematic Diagram of Elution Method Collection Method

Source : Application News G292 ([JP](#), [ENG](#))

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Related Products

Some products may be updated to newer models.



➤ SH-5

Related Solutions

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➤ 大気

➤ Price Inquiry

➤ Product Inquiry

➤ Technical Service /
Support Inquiry

➤ Other Inquiry