

CoreFocus
Report
No.394

GCMS

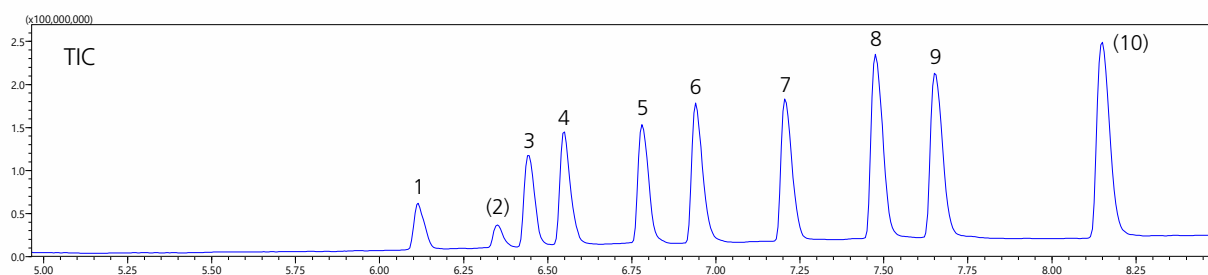
AOC

SH Series

SH-Wax

Simplified Analysis of Aqueous Short Chain Fatty Acids

Keywords: Organic acid, Functional food



1. Acetic acid, (2. Formic acid), 3. Propionic acid, 4. Isobutyric acid, 5. Butyric acid,
6. Isovaleric acid, 7. Valeric acid, 8. 4-Methyl pentanoic acid, 9. Caproic acid, (10. Heptanoic acid)

Instrument Configuration

Model : GCMS-QP™2020 NX
Auto injector : AOC™-20i plus
Auto sampler : AOC-20s Plus
Column : SH-Wax (60m x 0.25 mm I.D., 0.5 µm), P/N : 221-75894-60

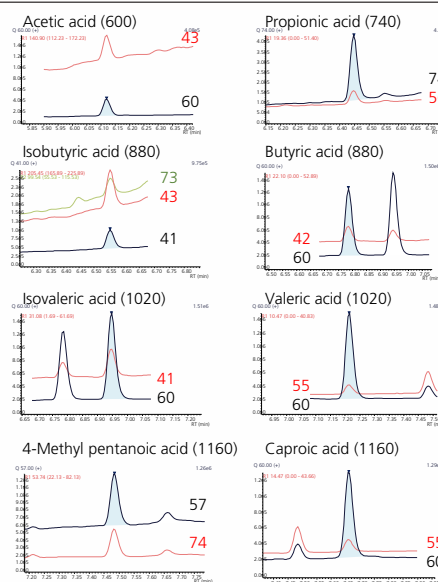
GC

Injection temp. : 240 °C
Injection mode : Split
Split ratio : 5
Carrier gas : He
Control mode : Constant linear velocity (34.0 cm/s)
Column oven temp. : 80 °C (2 min) – (40 °C/min) - 200 °C – (25 °C /min)
-240 °C (2 min), Total 8.60 min

Purge flow rate : 3.0 mL/min
Injection volume : 1.0 µL

MS

Ion source temp. : 200 °C
Interface temp. : 240 °C
Measurement mode : SIM
Monitoring ions (m/z) : See right
Loop time : 0.30 s



Source : Application News 01-00027 ([JP](#), [ENG](#))

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