Organic acids, C$_2$ – C$_4$

Application Note

Environmental

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Introduction
Gas chromatography with an Agilent CP-FFAP CB column separates six C$_2$ to C$_4$ organic acids in five minutes.
Conditions

Technique: GC-capillary

Column: Agilent CP·FFAP CB, 0.32 mm x 25 m fused silica
WCOT CP·FFAP CB (df = 0.2 μm)
(Part no. CP7747)

Temperature: 115 °C

Carrier Gas: H₂, 40 kPa (0.40 bar, 5.8 psi)

Injector: Split, 200 mL/min
T = 270 °C

Detector: FID
T = 300 °C

Concentration: 0.1% in cyclohexane

Peak identification

1. acetic acid
2. pentadecane
3. propionic acid
4. hexadecane
5. butyric acid
6. heptadecane