Volatile organic acids

Application Note

Materials Testing & Research

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Introduction
Acids can be analyzed on thick-film non-polar phases such as Agilent CP-Sil 5 CB.
**Conditions**

Technique: GC

Column: Agilent CP-Sil 5 CB, 0.53mm x 25 m fused silica (df = 5.0 μm) (Part no. CP7675)

Temperature: 40 °C (6 min), 10 °C/min → 200 °C

Injection: Split, 1:40, T = 225 °C

Detection: TCD

Carrier Gas: N₂, 5.0 mL/min

Injection Vol.: 0.2 μL

Sample Solvent: water

**Peak identification**

1. formic acid
2. acetic acid
3. propionic acid
4. iso butyric acid