

# Free Fatty Acids, C<sub>2</sub> – C<sub>7</sub>

## Analysis of acids in water

### Application Note

Environmental

#### Authors

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#### Introduction

Gas chromatography with an Agilent J&W PoraPLOT Q column separates eight C<sub>2</sub> to C<sub>7</sub> free fatty acids in seven minutes.



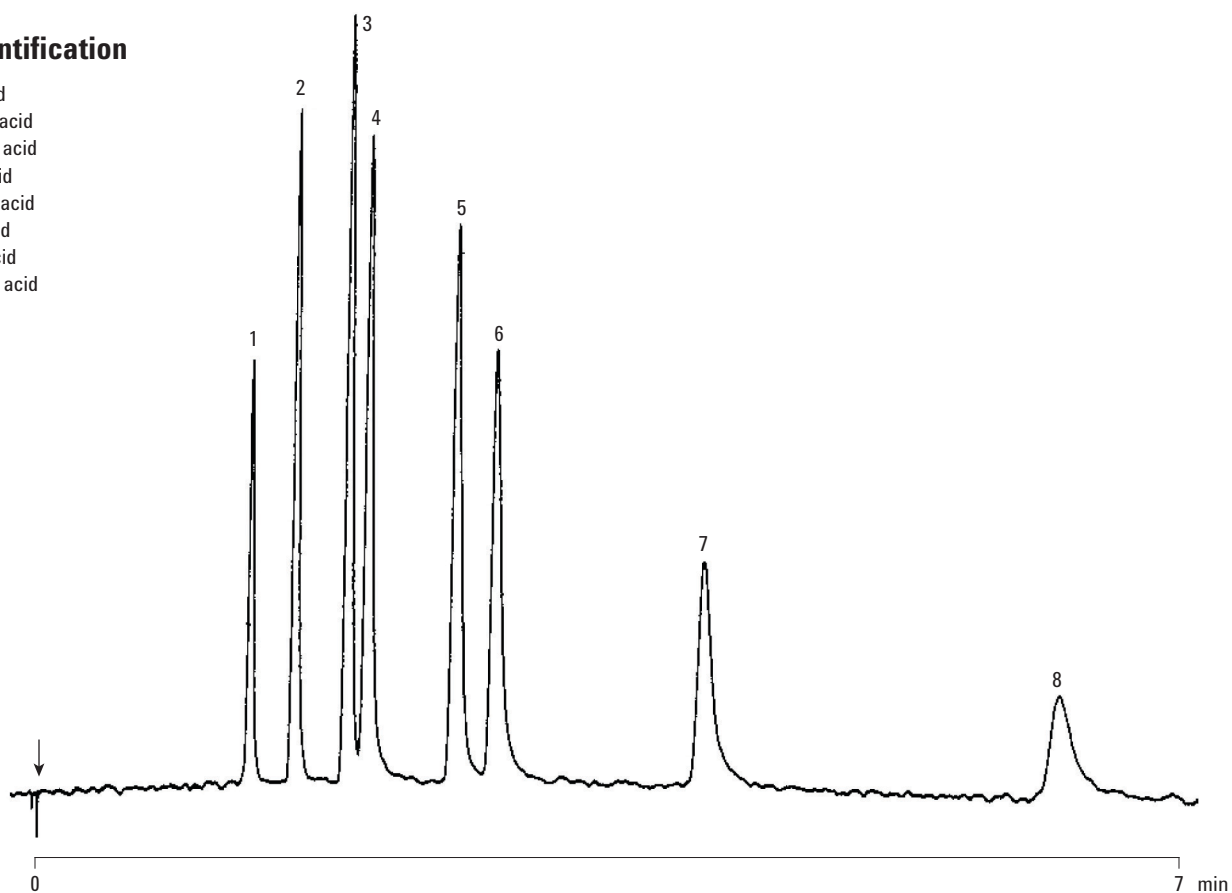
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## Conditions

Technique	GC-capillary
Column	Agilent J&W PoraPLOT Q, 0.32 mm × 10 m fused silica PoraPLOT Q (10 μm) (p/n CP7550)
Temperature	250 °C
Carrier gas	H <sub>2</sub> , 40 kPa (0.4 bar, 5.8 psi)
Injector	Splitter
Detector	FCD
Concentration range	5%

## Peak identification

1. acetic acid
2. propionic acid
3. isobutyric acid
4. butyric acid
5. isovaleric acid
6. valeric acid
7. caproic acid
8. heptanoic acid



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