

# HPLC Application

ID No.: 5511

## Volatile Fatty Acids

**Column:** Rezex<sup>™</sup> ROA-Organic Acid H+ (8%), LC Column 300 x 7.8 mm, Ea

**Dimensions:** 300 x 7.8 mm ID

**Order No:** 00H-0138-K0

**Elution Type:** Isocratic

**Eluent A:** 0.013 N H<sub>2</sub>SO<sub>4</sub>, pH 3.0

Gradient	Step No.	Time (min)	Pct A
<b>Profile:</b>	<b>1</b>	<b>0</b>	<b>100</b>

**Flow Rate:** 0.6 mL/min

**Col. Temp.:** 35 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 220 nm (ambient)

**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

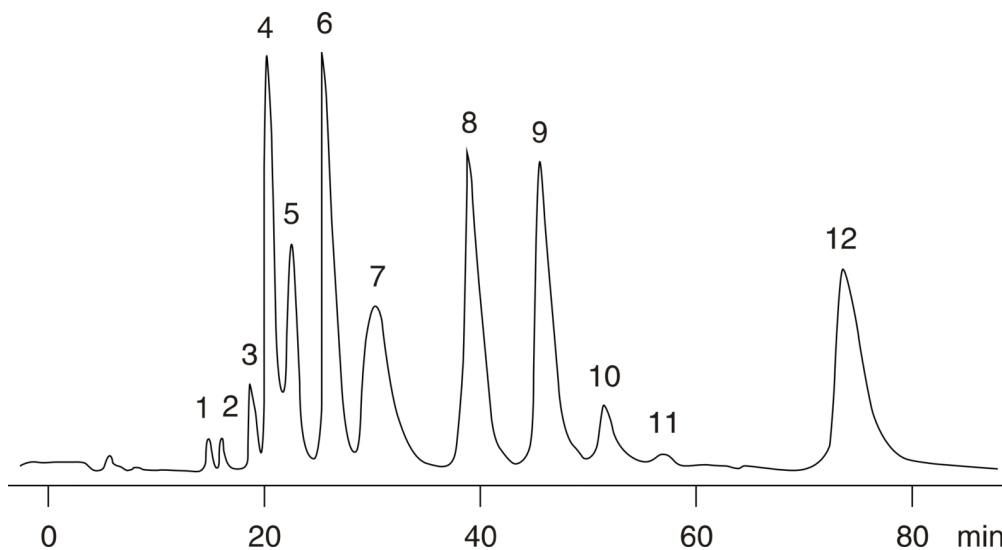
- SecurityGuard Cartridges, Carbo-H 4 x 3.0mm, 10/Pk Part No.: AJ0-4490
- Holder Part No.: KJ0-4282

**REZEX**<sup>™</sup>  
HPLC COLUMNS for Carbohydrates, Oligosaccharides, and Organic Acid Analysis



Products used in this application:

**REZEX**<sup>™</sup>



## Volatile Fatty Acids

### ANALYTES:

- 1** Formic acid
- 2** Acetic acid
- 3** Propionic acid
- 4** Isobutyric acid
- 5** n-Butyric acid
- 6** unknown
- 7** Isovaleric acid
- 8** Valeric acid
- 9** Isocaproic acid
- 10** unknown
- 11** unknown
- 12** n-Caproic acid

