

# HPLC Application

ID No.: 18502

## Positional Isomers (o, m, p- methylacetophenone) on Luna 3µm PFP(2) 50 x 2mm ID

**Column:** Luna® 3 µm PFP(2) 100 Å, LC Column 50 x 2 mm, Ea

**Dimensions:** 50 x 2 mm ID

**Order No:** 00B-4447-B0

**Elution Type:** Isocratic

**Eluent A:** Water

**Eluent B:** MeOH

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	13	70	30

**Flow Rate:** 0.5 mL/min

**Col. Temp.:** 25 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (25 °C)

**Detector Info:**  $R_s(1,2) = 1.93$ ,  $R_s(2,3) = 1.07$ , Efficiency (N1) = 6327

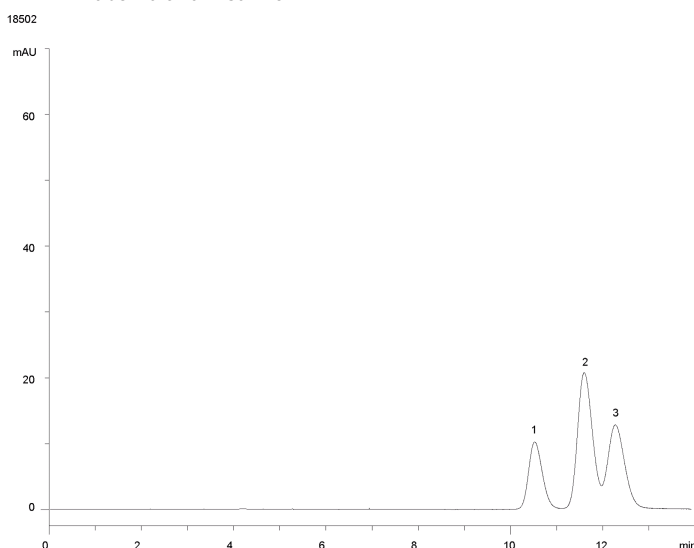
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, PFP 4 x 2.0mm ID, 10/Pk Part No.: AJ0-8326

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- 1 o-Methylacetophenone  
Retention Time: 10.52 min
- 2 p-Methylacetophenone  
Retention Time: 11.6 min
- 3 m-Methylacetophenone  
Retention Time: 12.27 min

