

# HPLC Application

ID No.: 1231

## Explosives

**Column:** Luna<sup>®</sup> 5  $\mu$ m Phenyl-Hexyl 100  $\text{\AA}$ , LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-4257-E0

**Elution Type:** Isocratic

**Eluent A:** Methanol

**Eluent B:** Acetonitrile

**Eluent C:** H<sub>3</sub>PO<sub>4</sub>

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B	Pct C
	1	0	71.4	14.3	14.3

**Flow Rate:** 1 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

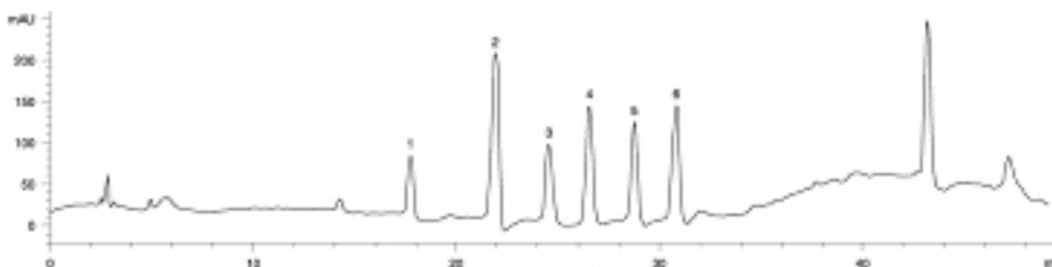
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Phenyl 4 x 3.0mm, 10/Pk Part No.: AJ0-4351

- Holder Part No.: KJ0-4282



Products used in this application:



## ANALYTES:

- 1 2,4-Dinitrobenzoic acid
- 2 Picric acid
- 3 2,3,6-Trinitro-p-cresol
- 4 2,4,6-Trinitro-m-cresol
- 5 3,4,6-Trinitro-o-cresol
- 6 4,5,6-Trinitro-o-cresol

