

# HPLC Application

ID No.: 9902

## Explosives

**Column:** Luna® 5 µm CN 100 Å, LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-4255-E0

**Elution Type:** Gradient

**Eluent A:** Water

**Eluent B:** Acetonitrile

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	100	0
	<b>2</b>	20	0	100
	<b>3</b>	21	100	0
	<b>4</b>	22	100	0

**Flow Rate:** 0.7 mL/min

**Col. Temp.:** 33 °C

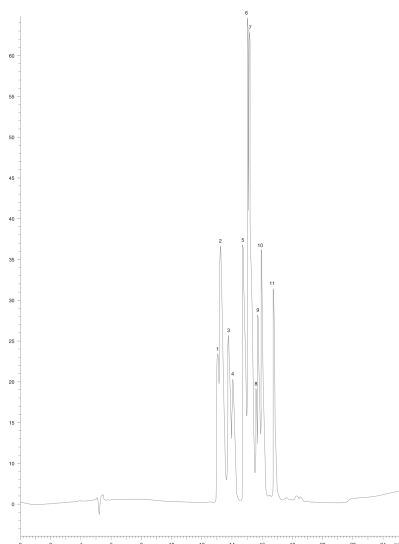
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ nm (ambient)

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

- SecurityGuard Cartridges, CN 4 x 3.0mm, 10/Pk Part No.: AJ0-4305
- Holder Part No.: KJ0-4282



Products used in this application:



## Explosives

### ANALYTES:

- 1** 1,3-DNB
- 2** Nitrobenzene
- 3** 1,3,5-TNB
- 4** RDX
- 5** 2-NT, 3-NT, 4-NT
- 6** 2,4-DNT, 2,6-DNT
- 7** 2AM-DNT, 4AM-DNT
- 8** HMX
- 9** 3,4-DNT
- 10** 2,4,6-TNT
- 11** Tetryl

