

# HPLC Application

ID No.: 14769

## EPA Method 8330 Explosives mix using Synergi Polar-RP

**Column:** Synergi<sup>™</sup> 4  $\mu$ m Polar-RP 80  $\text{\AA}$ , LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-4336-E0

**Elution Type:** Isocratic

**Eluent A:** Water

**Eluent B:** MeOH

**Eluent C:** ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B	Pct C
	1	0	60	5	35

**Flow Rate:** 1 mL/min

**Col. Temp.:** 35  $^{\circ}$ C

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

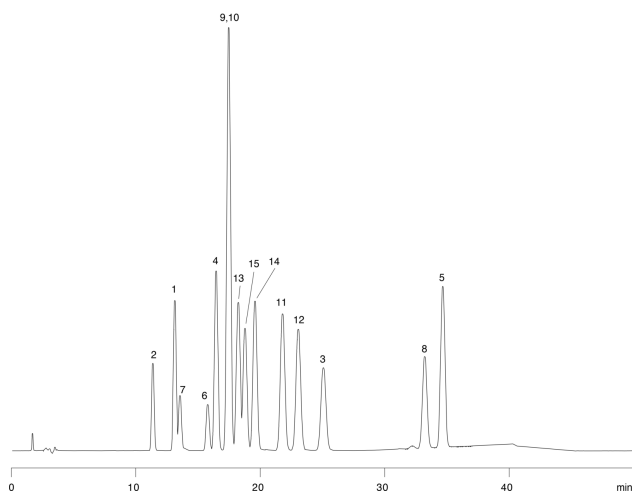
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, POLAR-RP 4 x 3.0mm, 10/Pk Part No.: AJ0-6076

- Holder Part No.: KJ0-4282



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### ANALYTES:

- 1** HMX
- 2** RDX
- 3** 1,3,5-Trinitrobenzene
- 4** 1,2-Dinitrobenzene
- 5** Tetryl
- 6** 1,3-Dinitrobenzene
- 7** Nitrobenzene
- 8** 2,4,6-Trinitrotoluene
- 9** 4-Amino-dinitrotoluene
- 10** 2-Amino-dinitrotoluene
- 11** 2,6-Dinitrotoluene
- 12** 2,4-Dinitrotoluene
- 13** 2-Nitrotoluene
- 14** 4-Nitrotoluene
- 15** 3-Nitrotoluene

