

# HPLC Application

ID No.: 17957

## EPA Method 8330: Explosive Mix Using Gemini C6 Phenyl

**Column:** Gemini<sup>®</sup> 5  $\mu$ m C6-Phenyl 110  $\text{Å}$ , LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-4444-E0

**Elution Type:** Gradient

**Eluent A:** ACN

**Eluent B:** Water

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	30	70
	2	2	30	70
	3	22	50	50
	4	22.01	30	70
	5	25	30	70

**Flow Rate:** 1 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Diode Array (PDA) @ 220 nm (ambient)

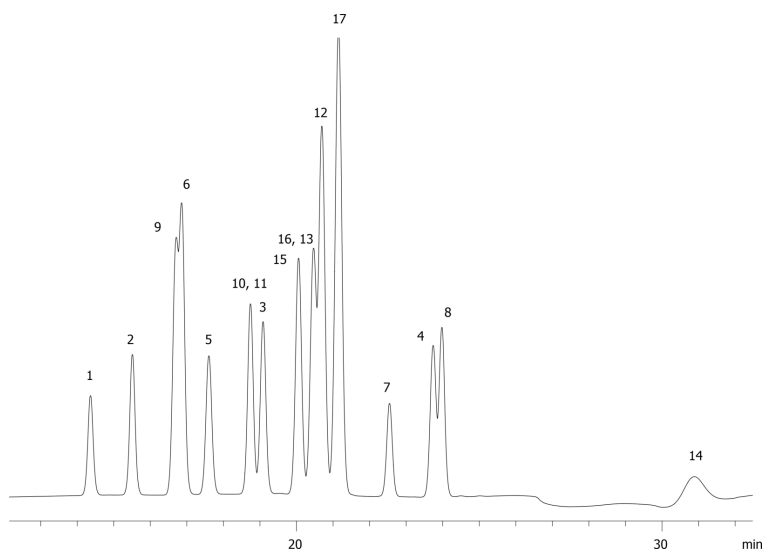
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Gemini C6-Phenyl 4 x 3.0mm, 10/Pk Part No.: AJ0-7915

- Holder Part No.: KJ0-4282



Products used in this application:



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### ANALYTES:

- 1** Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)
- 2** Hexahydro-1,3,5-trinitro-1,3,5-triazine
- 3** 1,3,5-Trinitrobenzene
- 4** Methyl-2,4,6-trinitrophenylnitramine (Tetryl)
- 5** 1,3-Dinitrobenzene
- 6** Nitrobenzene
- 7** Nitroglycerin
- 8** 2,4,6-Trinitrotoluene
- 9** 3,5-Dinitroaniline
- 10** 4-Amino-2,6 dinitrotoluene
- 11** 2 Amino-4,6 dinitrotoluene
- 12** 2,6-Dinitrotoluene
- 13** 2,4-Dinitrotoluene
- 14** Pentaerythritol tetranitrate
- 15** 2-Nitrotoluene
- 16** 4-Nitrotoluene
- 17** 3-Nitrotoluene

