

HPLC Application

ID No.: 17957

EPA Method 8330: Explosive Mix Using Gemini C6 Phenyl

Column: Gemini[®] 5 μ m C6-Phenyl 110 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[™] Guard Cartridge System extends column lifetime.

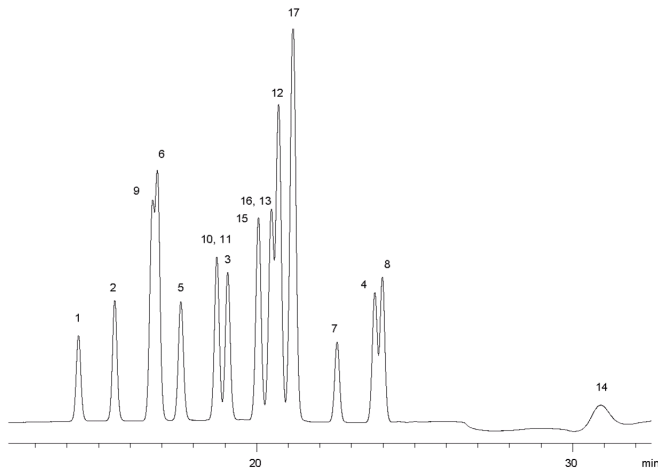
- SecurityGuard Cartridges, Gemini C6-Phenyl 4 x 3.0mm, 10/Pk Part No.: AJ0-7915

- Holder Part No.: KJ0-4282

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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 (RDX)
- 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 (TNT)
- 9** 3,5-Dinitroaniline
- 10** 4-Amino-2,6 dinitrotoluene (4-AM-DNT)
- 11** 2 Amino-4,6 dinitrotoluene
- 12** 2,6-Dinitrotoluene
- 13** 2,4-Dinitrotoluene
- 14** Pentaerythritol tetranitrate (PETN)
- 15** 2-Nitrotoluene (2-NT)
- 16** 4-Nitrotoluene
- 17** 3-Nitrotoluene (3-NT)

