

# HPLC Application

ID No.: 5634

## Explosives (EPA Draft Method 8330)

**Column:** Ultracarb<sup>™</sup> 5  $\mu$ m ODS (20) 90 Å, LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-0206-E0

**Elution Type:** Isocratic

**Eluent A:** Methanol

**Eluent B:** Water

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 55    | 45    |

**Flow Rate:** 0.8 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 250 nm (ambient)

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

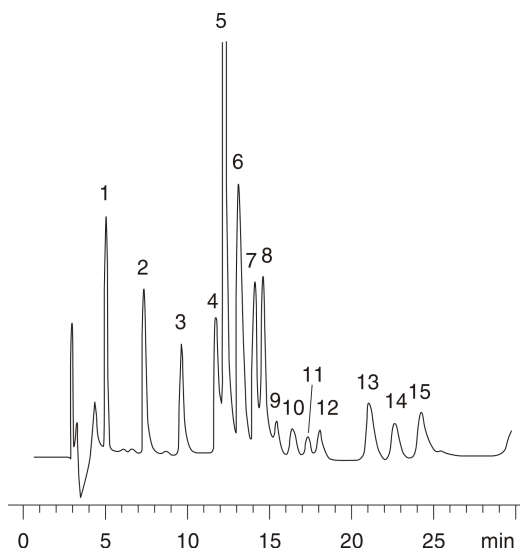
- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282



Products used in this application:

## Ultracarb<sup>™</sup>



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### ANALYTES:

- 1** HMX
- 2** RDX
- 3** 1,3,5-TNB
- 4** 1,3-DNB
- 5** Tetryl
- 6** Nitrobenzene
- 7** 3,4-DNT
- 8** 2,4,6-TNT
- 9** 4-Amino-2,6-dinitrotoluene
- 10** 2-Amino-4,6-dinitrotoluene
- 11** 2,6-DNT
- 12** 2,4-DNT
- 13** 2-NT
- 14** 4-Nitrotoluene
- 15** 3-Nitrotoluene

