

## EPA Method 8315A, Carbonyl Compounds

**Column:** Synergi<sup>™</sup> 4  $\mu$ m Hydro-RP 80 Å, LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-4375-E0

**Elution Type:** Gradient

**Eluent A:** Water

**Eluent B:** Acetonitrile

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 30    | 70    |
|                   | 2        | 20         | 30    | 70    |
|                   | 3        | 35         | 0     | 100   |
|                   | 4        | 50         | 0     | 100   |

**Flow Rate:** 1.2 mL/min

**Col. Temp.:** ambient

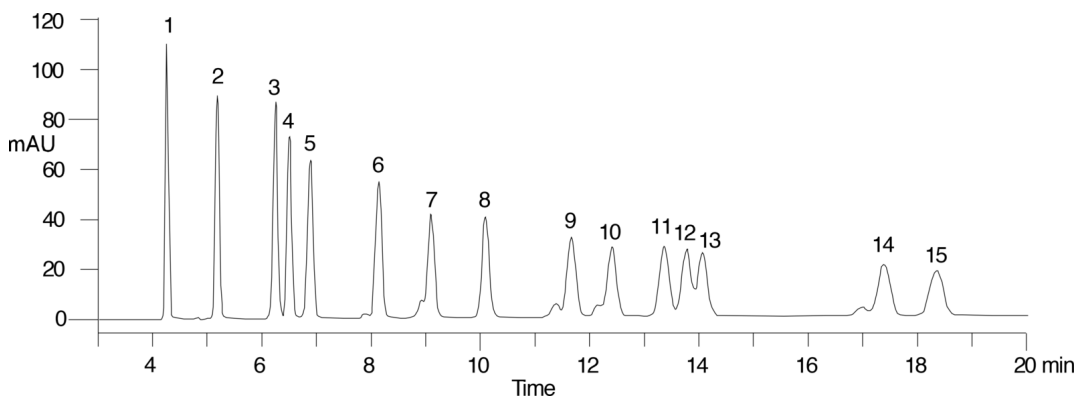
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 360 nm (ambient)

**Detector Info:** DNPH derivatives

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

- SecurityGuard Cartridges, AQ C18 4 x 3.0mm, 10/Pk Part No.: AJ0-7511

- Holder Part No.: KJ0-4282



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### ANALYTES:

- 1** Formaldehyde
- 2** Acetaldehyde
- 3** Acrolein
- 4** Acetone
- 5** Propanal
- 6** Crotonaldehyde
- 7** Butanal
- 8** Benzaldehyde
- 9** Isovaleraldehyde
- 10** Pentanal
- 11** o-Tolualdehyde
- 12** m-Tolualdehyde
- 13** p-Tolualdehyde
- 14** Hexanal
- 15** 2,4-Dimethylbenzaldehyde

