

HPLC Application

ID No.: 14469

EPA Method AE-00044 - DNPH Aldehydes

Column: Synergi[™] 4 μ m Max-RP 80 Å, LC Column 250 x 4.6 mm, Ea

Dimensions: 250 x 4.6 mm ID

Order No: 00G-4337-E0

Elution Type: Gradient

Eluent A: Water

Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	35	65
	2	15	35	65
	3	30	0	100

Flow Rate: 1 mL/min

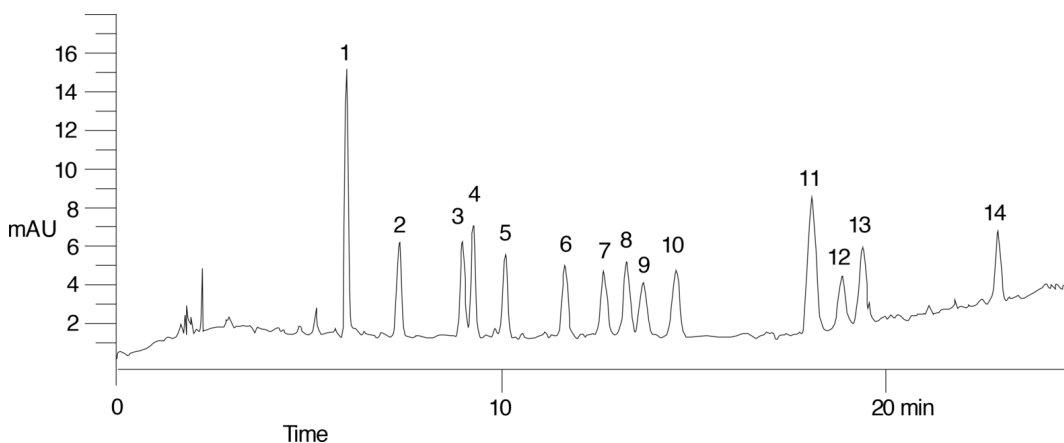
Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 230 nm (ambient)

Analyst Note: SecurityGuard[™] Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C12 4 x 3.0mm, 10/Pk Part No.: AJ0-6074

- Holder Part No.: KJ0-4282



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ANALYTES:

- 1 Acetaldehyde
- 2 Acetone
- 3 Acrolein
- 4 Benzaldehyde
- 5 Methyl ethyl ketone
- 6 Butyraldehyde
- 7 Crotonaldehyde
- 8 Formaldehyde
- 9 Hexanal
- 10 Methacrylaldehyde
- 11 Pentanal
- 12 Propionaldehyde
- 13 p-Tolualdehyde
- 14 Cyclohexanone

