

# HPLC Application

ID No.: 14261

## DNPH Aldehydes - 11min Method

**Column:** Jupiter<sup>®</sup> 5  $\mu$ m C4 300  $\text{\AA}$ , LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4167-E0

**Elution Type:** Gradient

**Eluent A:** Water

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	70	30
	2	7	61	39
	3	12	30	70

**Flow Rate:** 2.5 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 380 nm (ambient)

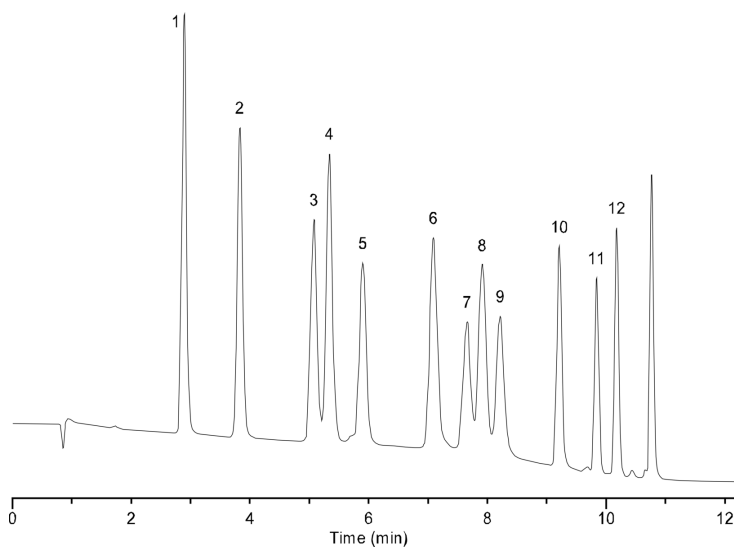
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Widedpore C4 4 x 3.0mm, 10/Pk Part No.: AJ0-4330

- Holder Part No.: KJ0-4282



Products used in this application:



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### ANALYTES:

- 1 Formaldehyde
- 2 Acetaldehyde
- 3 Acetone
- 4 Acrolein
- 5 Propionaldehyde
- 6 Crotonaldehyde
- 7 Methyl ethyl ketone
- 8 Methacrolein
- 9 Butyraldehyde
- 10 Benzaldehyde
- 11 Valeraldehyde
- 12 m-Tolualdehyde
- 13 Hexanal

