

CARB 1004 Aldehyde/Ketone-DNPH Calibration Standard on Raptor™ ARC-18

Peaks	t _R (min)
1. Formaldehyde	1.516
2. Acetaldehyde	1.859
3. Acetone	2.283
4. Acrolein	2.461
5. Propionaldehyde	2.648
6. Crotonaldehyde	3.177
7. Methyl ethyl ketone	3.325
8. Methacrolein	3.474
9. Butyraldehyde	3.667
10. Benzaldehyde	4.069
11. Valeraldehyde	5.011
12. <i>m</i> -Tolualdehyde	5.239
13. Hexaldehyde	6.082

Column
 Raptor™ ARC-18 (cat.# 9314A1E)
 Dimensions:
 100 mm x 3.0 mm ID
 Particle Size:
 2.7 µm
 Temp.:
 40 °C

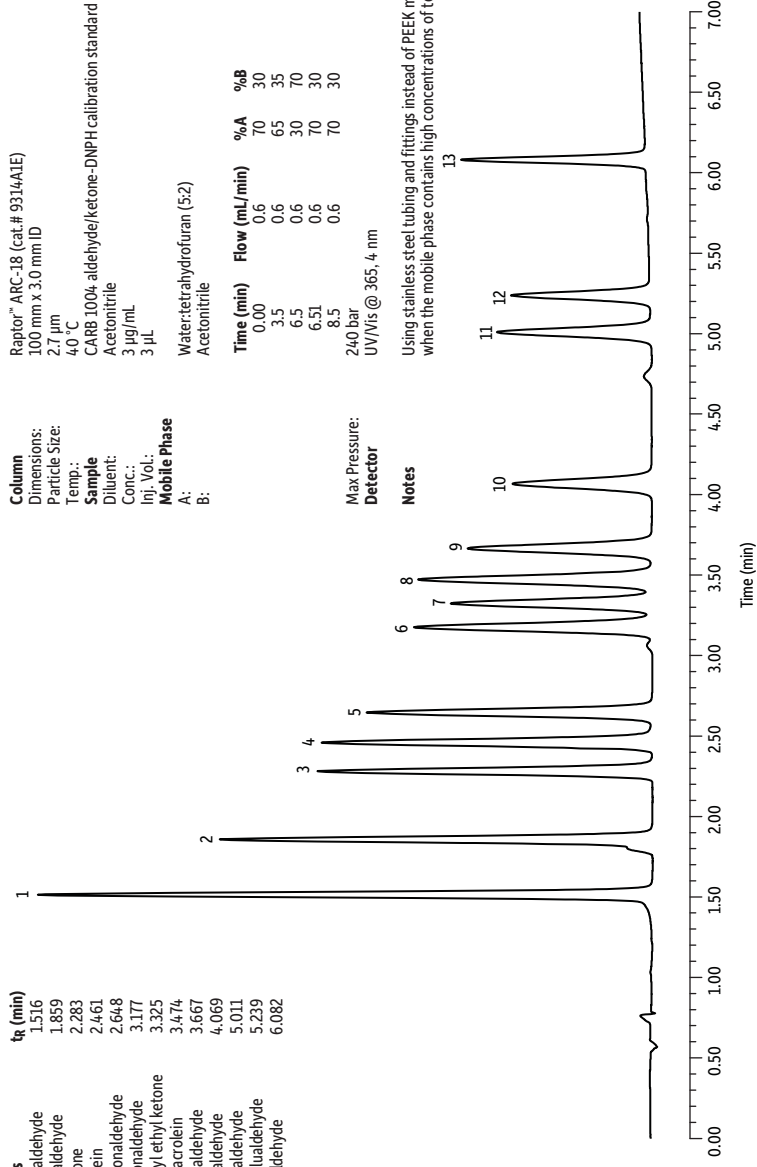
Sample
 CARB 1004 aldehyde/ketone-DNPH calibration standard (cat.# 33093)
Diluent:
 Acetonitrile
Conc.:
 3 µg/mL
Ini. Vol.:
 3 µL

Mobile Phase
 A: Water:tetrahydrofuran (5:2)
 B: Acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	0.6	70	30
3.5	0.6	65	35
6.5	0.6	30	70
6.51	0.6	70	30
8.5	0.6	70	30

Max Pressure:
 240 bar
Detector
 UV/Vis @ 365, 4 nm

Notes
 Using stainless steel tubing and fittings instead of PEEK material is recommended when the mobile phase contains high concentrations of tetrahydrofuran.



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