

## Separation of Benzodiazepines

**Column:** Synergi™ 4 µm Hydro-RP 80 Å, LC Column 50 x 2 mm, Ea

**Dimensions:** 50 x 2 mm ID

**Order No:** 00B-4375-B0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic acid in DI H<sub>2</sub>O

**Eluent B:** 0.1% formic Acid in ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0.5	90	10
	2	0.7	80	20
	3	5.9	25	75
	4	6	5	95
	5	6.2	5	95
	6	6.3	90	10
	7	8.5	90	10



**Flow Rate:** 500 µL/min

**Col. Temp.:** 40 °C

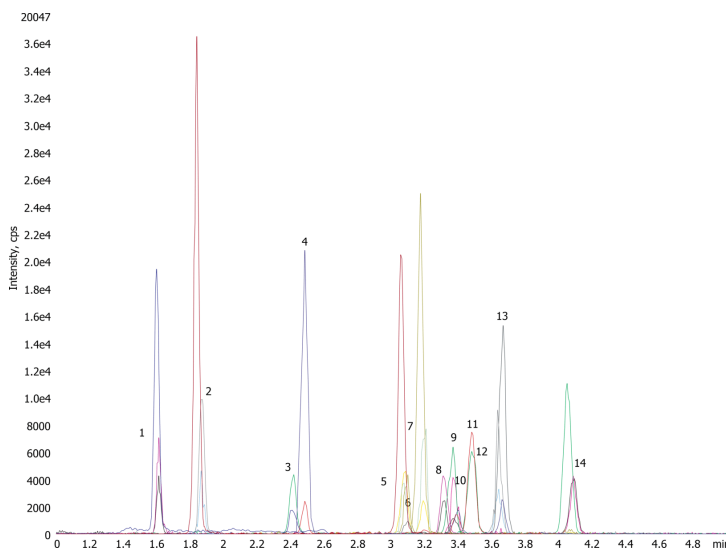
**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

**Detector Info:** 3200 QTRAP/API 3200

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

- SecurityGuard Cartridges, AQ C18 4 x 2.0mm ID, 10/Pk Part No.: AJ0-7510

- Holder Part No.: KJ0-4282



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### ANALYTES:

- 1 7-Aminoclonazepam
- 2 7-Aminoflurazepam
- 3 Midazolam
- 4 Flurazepam
- 5 a-OH-Alprazolam
- 6 a-OH-Triazolam
- 7 Oxazepam
- 8 Lorazepam
- 9 Clonazepam
- 10 Nordiazepam
- 11 Alprazolam
- 12 Flunitrazepam
- 13 Temazepam
- 14 Diazepam

