

## Benzodiazepines (SPE-Plasma) on Hybrid C18 Column

**Column:** Gemini® 5 µm C18 110 Å, LC Column 150 x 3 mm, Ea

**Dimensions:** 150 x 3 mm ID

**Order No:** 00F-4435-Y0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic acid in Water

**Eluent B:** 0.1% Formic acid in Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	80	20
	2	8	20	80

**Flow Rate:** 0.8 mL/min

**Col. Temp.:** ambient

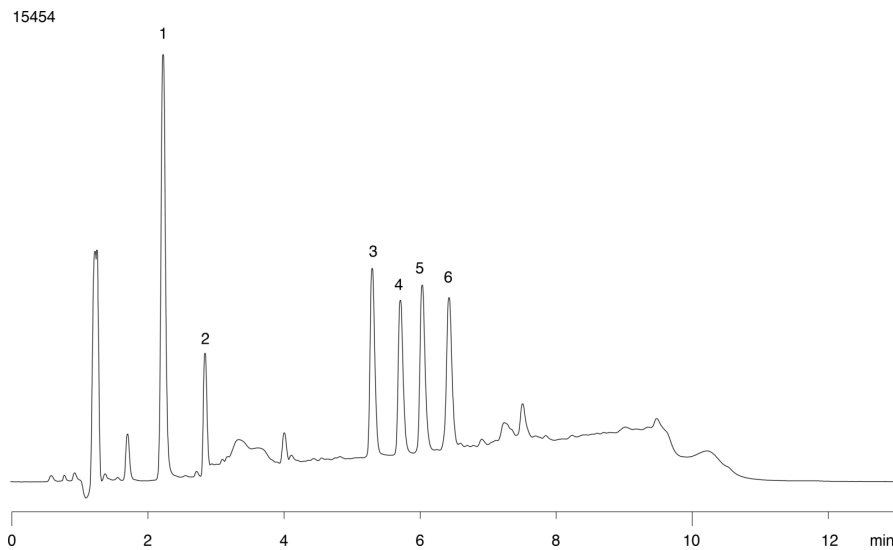
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

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

- SecurityGuard Cartridges, Gemini C18 4 x 2.0mm, 10/Pk Part No.: AJ0-7596
- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- 1** Chlodiazepoxide  
Retention Time: 2.14 min
- 2** Flurazepam  
Retention Time: 2.76 min
- 3** Oxazepam  
Retention Time: 5.27 min
- 4** Clonazepam  
Retention Time: 5.68 min
- 5** Temazepam  
Retention Time: 6.01 min
- 6** Diazepam  
Retention Time: 6.41 min

