

GC Application

ID No.: 17620

Benzodiazepines by MSD on a ZB-1MS

Column: Zebtron[™] ZB-1MS, GC Cap. Column 10 m x 0.18 mm x 0.18 µm, Ea

Phase: 100% Dimethylpolysiloxane

Dimensions: 10 meters x 0.18 mm x 0.18 µm

Order No: 7CD-G011-08

Oven Profile: 200 °C to 340 °C @ 30 °C/min for 1 min

Carrier Gas: Constant Flow Helium, 50 cm/sec

Injection: Split 10:1 1 µL @ 250°C

Detection: Mass Selective (MSD) (320°C)

Analyst Note: Analytes are 24ppm derivatized with MTBSTFA

Sim ions:

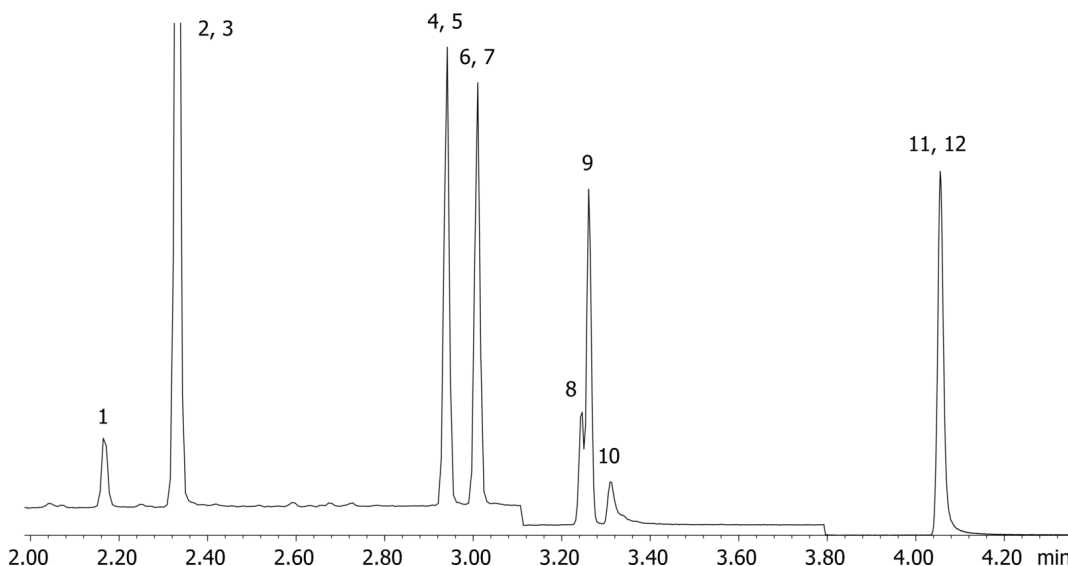
(Quant ion*) D5-Nordiazepam (*332,334): Nordiazepam (*327,328,383): D5-Oxazepam (*462,519): Oxazepam (*457,513,459): D5-Temazepam (*362,288,390): Temazepam (*357,359,385): Lorazepam (*491,513,493):



Products used in this application:



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ANALYTES:

- 1 Diazepam
- 2 Nordiazepam-d5
- 3 Nordiazepam
- 4 Oxazepam-d5
- 5 Oxazepam
- 6 Temazepam-d5
- 7 Temazepam
- 8 Clonazepam
- 9 Lorazepam
- 10 Alprazolam
- 11 alpha-Hydroxyalprazolam-d5
- 12 alpha-Hydroxyalprazolam

