

# GC Application

ID No.: 16009

## Common Drug Screen on ZB-5MS

**Column:** Zebtron™ ZB-5MS, GC Cap. Column 20 m x 0.18 mm x 0.18 μm, Ea  
**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane  
**Dimensions:** 20 meters x 0.18 mm x 0.18 μm  
**Order No:** 7FD-G010-08  
**Oven Profile:** 100°C to 165°C at 20°C/min to 200°C at 6°C/min to 275°C at 20°C/min for 3 min

**Carrier Gas:** Constant Flow Helium, 0.9 mL/min

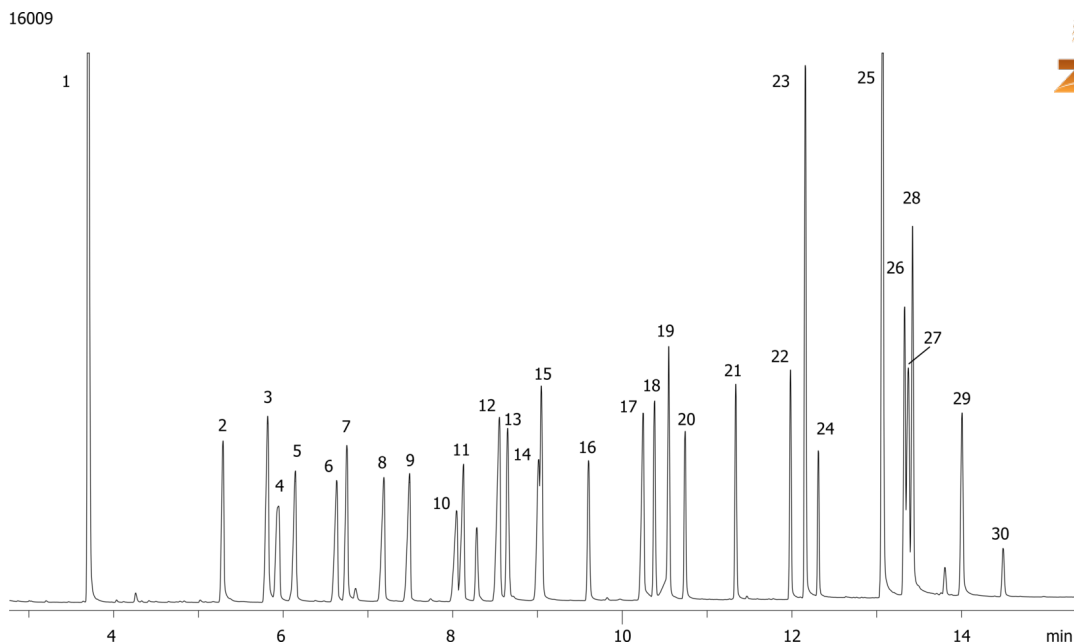
**Injection:** Split 10:1 1.5 μL @ 225°C

**Detection:** Flame Ionization (FID) (250°C)

**Analyst Note:** All analytes are 25ppm except nicotine at 100ppm



Products used in this application:



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### ANALYTES:

- 1 Nicotine
- 2 Acetophenone
- 3 Ibuprofen
- 4 Allobarbitol
- 5 Aprobarbitol
- 6 Butalbitol
- 7 Phenacetin
- 8 Amobarbitol
- 9 Pentobarbitol
- 10 Meprobamate
- 11 Secobarbitol
- 12 Caffeine
- 13 Benzphetamine
- 14 Hexobarbitol
- 15 Dimenhydrinate
- 16 Doxylamine
- 17 Phenobarbitol
- 18 Methapyrilene
- 19 Chlorpheniramine
- 20 Procaine
- 21 Brompheniramine
- 22 Cocaine
- 23 Chlorcyclizine
- 24 Benzactyzine
- 25 Codeine
- 26 Diazepam
- 27 Morphine
- 28 Hydrocodone
- 29 Oxymorphone
- 30 Heroin

