

# GC Application

ID No.: 16010

## Common Drug Screen on ZB-35

**Column:** Zebtron™ ZB-35, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea  
**Phase:** 35% Phenyl 65% Dimethylpolysiloxane  
**Dimensions:** 30 meters x 0.25 mm x 0.25 μm  
**Order No:** 7HG-G003-11  
**Oven Profile:** 120°C to 180°C at 25°C/min to 200°C at 6°C/min to 300°C at 20°C/min for 3 min

**Carrier Gas:** Constant Flow Helium, 1.4 mL/min

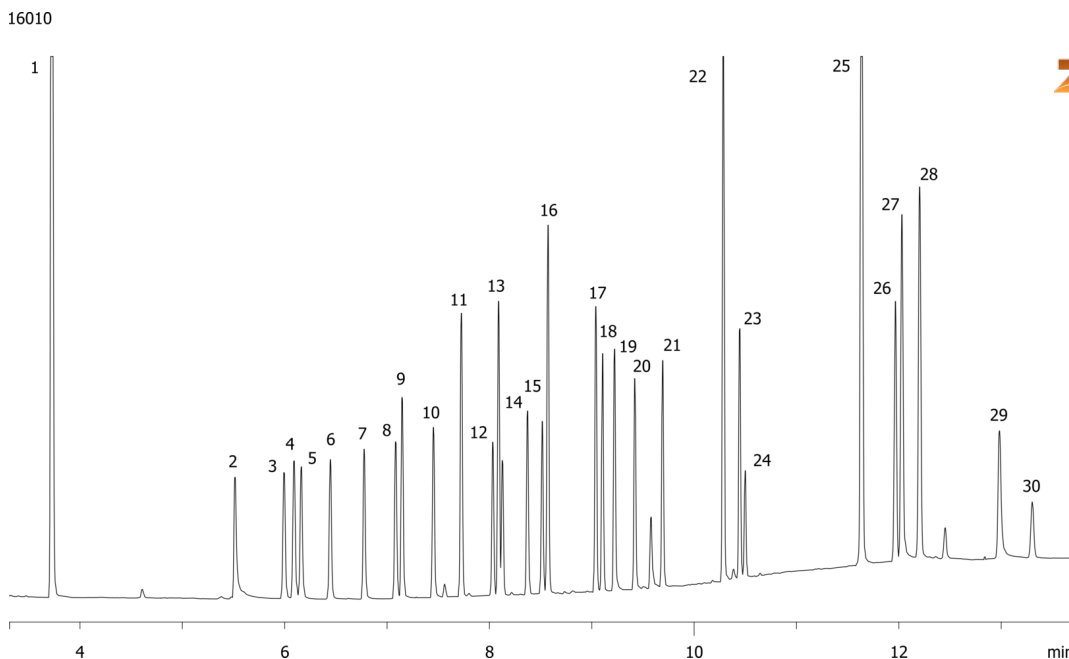
**Injection:** Split 10:1 1.5 μL @ 225°C

**Detection:** Flame Ionization (FID) (300°C)

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



Products used in this application:



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### ANALYTES:

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

