

# GC Application

ID No.: 20571

## Fast Amines on Zebron ZB-SemiVolatiles

**Column:** Zebron<sup>™</sup> ZB-SemiVolatiles, GC Cap. Column 20 m x 0.18 mm x 0.36  $\mu$ m, Ea

**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane (Enviro-Inert)

**Dimensions:** 20 meters x 0.18 mm x 0.36  $\mu$ m

**Order No:** 7FD-G027-53

**Oven Profile:** 40 °C for 0.5 min to 260 °C @ 40 °C/min to 295 °C @ 6 °C/min to 325 °C @ 25 °C/min for 2 min

**Carrier Gas:** Constant Flow Helium, 1.5 mL/min

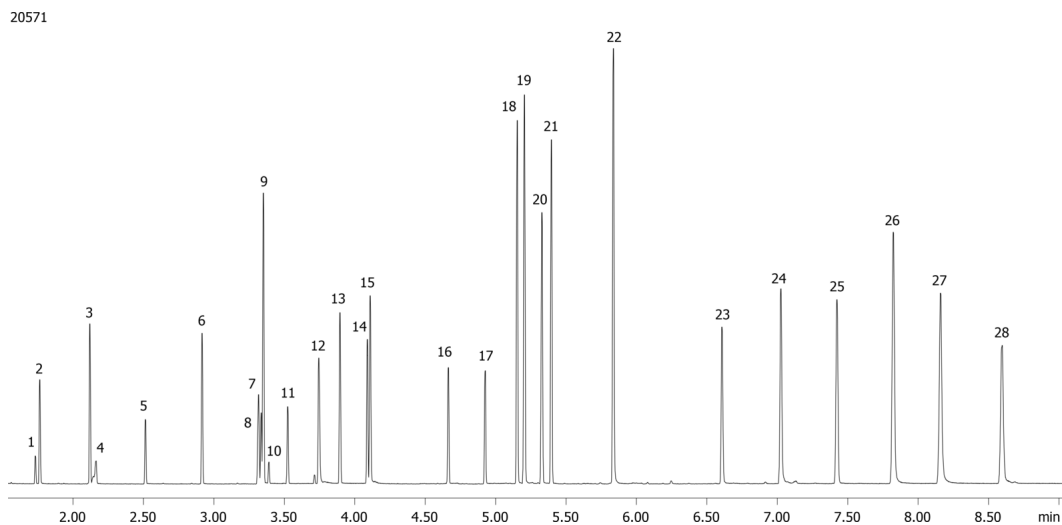
**Injection:** Split 10:1 1  $\mu$ L @ 300°C

**Detection:** Mass Selective (MSD) (340°C)

**Analyst Note:** Analytes @ 25ppm in Dichloromethane  
Pulsed Split injection @ 30 p.s.i.  
Liner: AG0-8499 (Single Taper with Wool)  
Septum: AG0-4697 (PhenoRed-400)  
Inlet Seal: AG0-8620 (Easy Seals)



Products used in this application:



## Fast Amines on Zebron ZB-SemiVolatiles

### ANALYTES:

- 1 N-Nitrosodimethylamine
- 2 Pyridine
- 3 2-Picoline
- 4 N-Nitrosomethylethylamine
- 5 N-Nitrosodiethylamine
- 6 Aniline
- 7 N-Nitrosopyrrolidine
- 8 N-Nitrosodi-n-propylamine
- 9 N-Nitrosomorpholine
- 10 o-Toluidine
- 11 N-Nitrosopiperidine
- 12 alpha,alpha-Dimethylphenethylamine
- 13 4-Chloroaniline
- 14 N-Nitrosodi-n-butylamine
- 15 p-Phenylenediamine
- 16 2-Nitroaniline
- 17 3-Nitroaniline
- 18 1-Naphthylamine
- 19 2-Naphthylamine
- 20 4-Nitroaniline
- 21 Diphenylamine
- 22 4-Aminobiphenyl
- 23 Methapyrilene
- 24 Benzidine
- 25 o-Tolidine
- 26 p-Dimethylaminoazobenzene
- 27 2-Acetylaminofluorene
- 28 3,3'-Dichlorobenzine

