

GC Application

ID No.: 20571

Fast Amines on Zebron ZB-SemiVolatiles

Column: Zebron[™] ZB-SemiVolatiles, GC Cap. Column 20 m x 0.18 mm x 0.36 µm, Ea

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

Dimensions: 20 meters x 0.18 mm x 0.36 µm

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

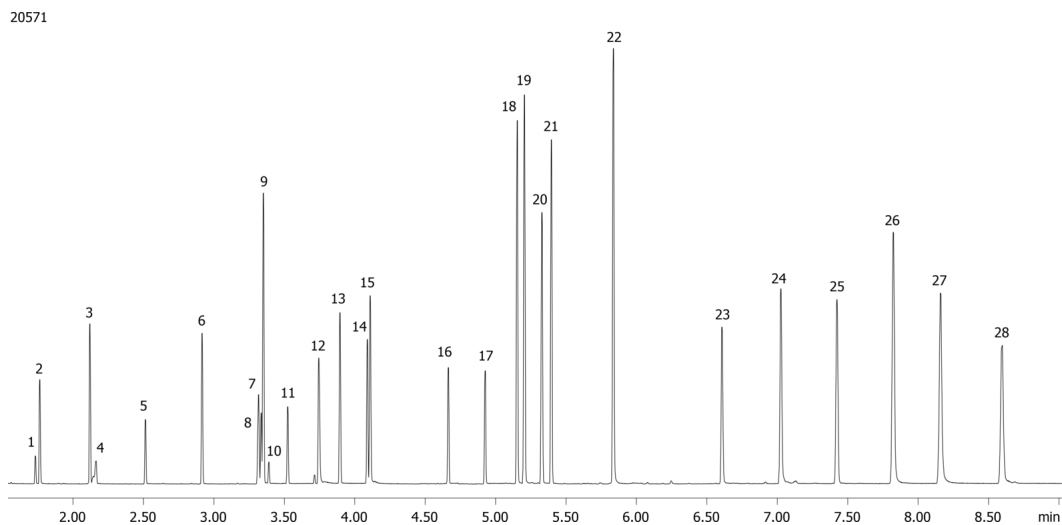
Injection: Split 10:1 1 µL @ 300°C

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:



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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

