

# GC Application

ID No.: 16480

## Aromatic Amines on ZB-5MSi

**Column:** Zebtron<sup>™</sup> ZB-5MSi, GC Cap. Column 30 m x 0.25 mm x 0.50 μm, Ea

**Phase:** 5% Phenyl 95% Dimethylpolysiloxane

**Dimensions:** 30 meters x 0.25 mm x 0.5 μm

**Order No:** 7HG-G018-17

**Oven Profile:** 90 °C for 4 min to 220 °C @ 30 °C for 4 min.

**Carrier Gas:** Constant Flow Hydrogen, 1.7 mL/min

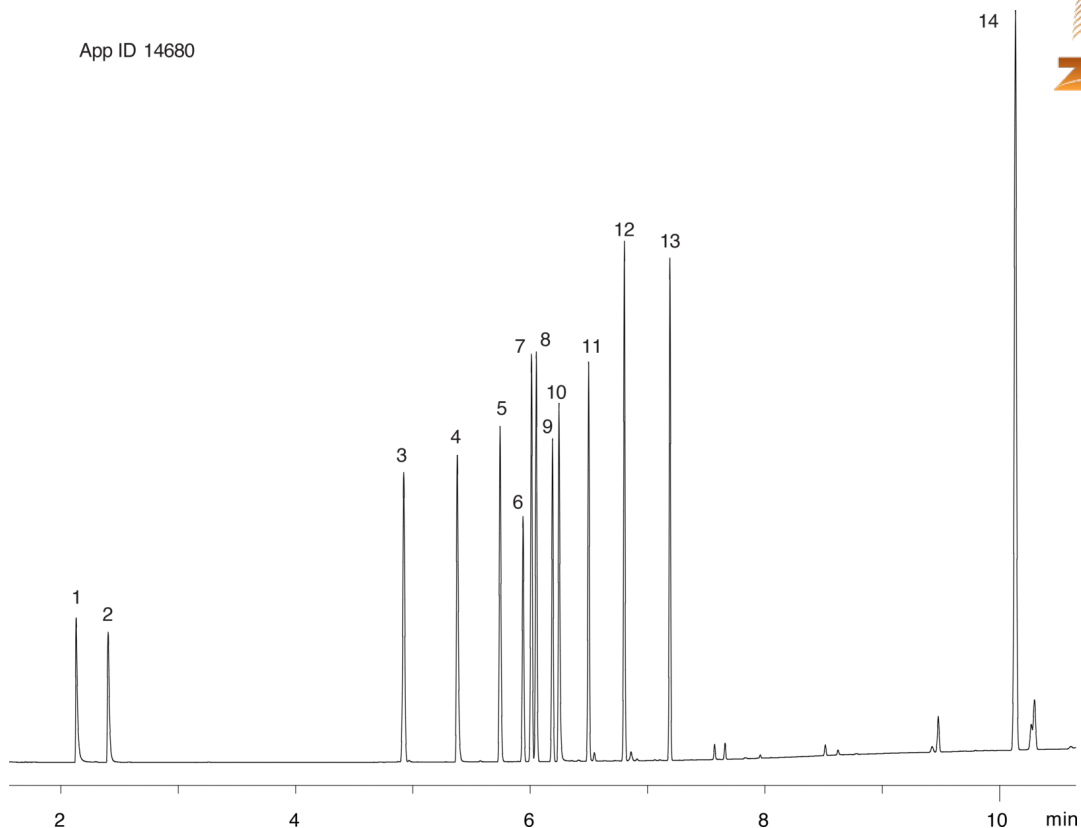
**Injection:** Split 15:1 1 μL @ 220°C

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

**Analyst Note:** 100 ppm in ethanol



Products used in this application:



## Aromatic Amines on ZB-5MSi

### ANALYTES:

- 1 Piperidine
- 2 2-Methylpiperidine
- 3 Aniline
- 4 Benzylamine
- 5 alpha-Phenylethylamine
- 6 N-Methylaniline
- 7 o-Toluidine
- 8 m-Toluidine
- 9 N,N-Dimethylaniline
- 10 beta-Phenylethylamine
- 11 N-Ethylaniline
- 12 2,4-Dimethylaniline
- 13 N,N-Diethylaniline
- 14 Dibenzylamine

