

# GC Application

ID No.: 14944

## Aromatic Amines using 5 meter Guardian ZB-5 30x0.25x0.25

**Column:** Zebtron<sup>™</sup> ZB-5 w/GUARDIAN<sup>™</sup>, 5 m, GC Cap. Column 30 m x 0.25 mm x 0.25  $\mu$ m, Ea

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

**Dimensions:** 30 meters x 0.25 mm x 0.25  $\mu$ m

**Order No:** 7HG-G002-11-GGA

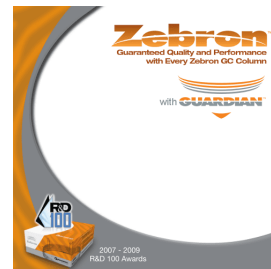
**Oven Profile:** 60°C for 1min to 130°C at 12°C/min to 220°C at 30°C/min for 4 min.

**Carrier Gas:** Constant Flow Helium, 1 mL/min

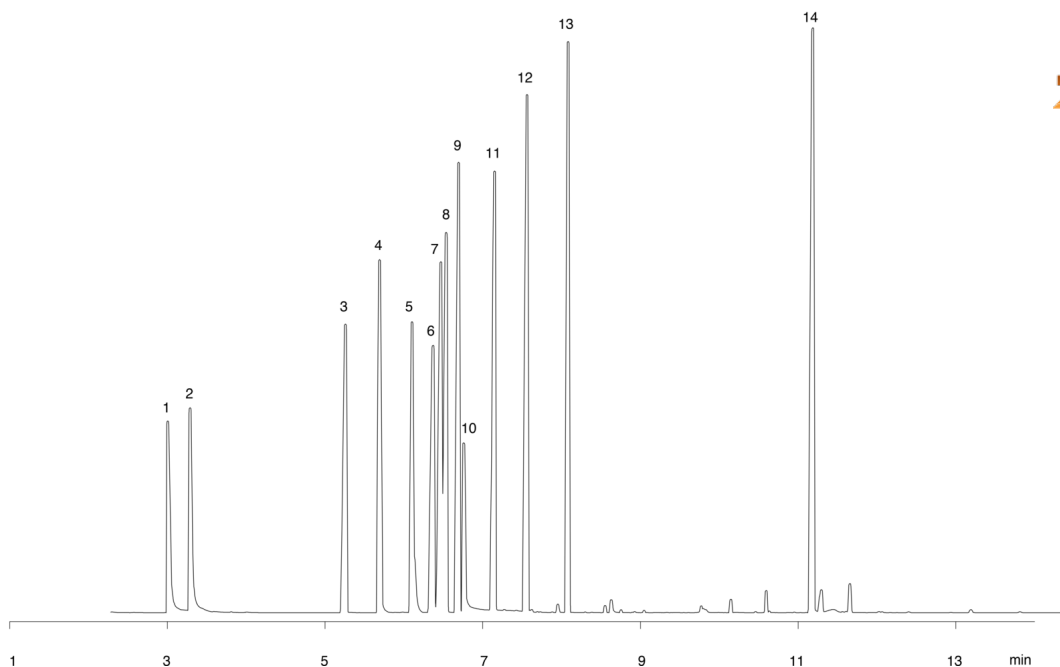
**Injection:** Split 15:1 1  $\mu$ L @ 220°C

**Detection:** Mass Selective (MSD) (240°C)

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Products used in this application:



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### ANALYTES:

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

