

# GC Application

ID No.: 17655

## Polynuclear Aromatic Hydrocarbons (PAHs) on ZB-5ms

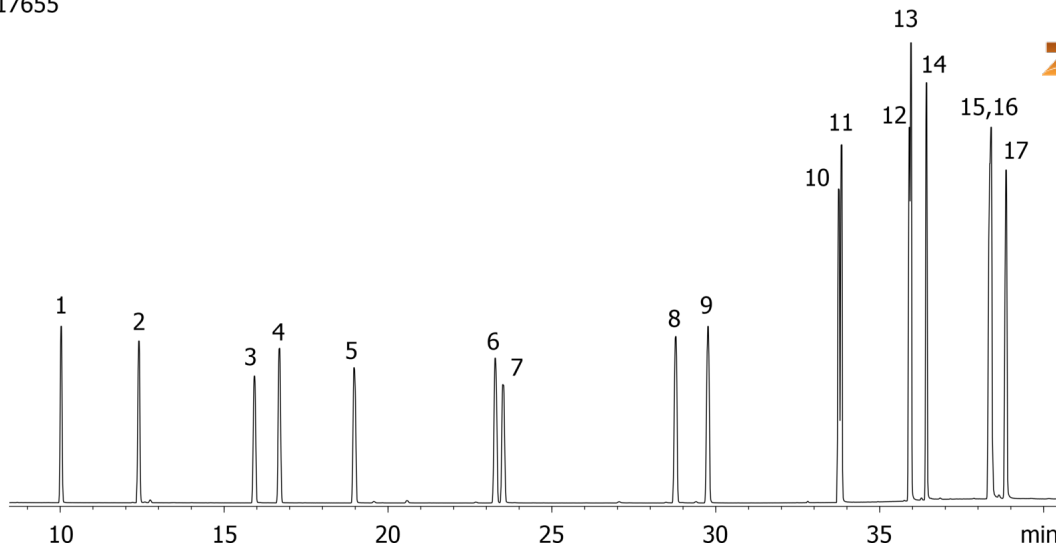
**Column:** Zebtron<sup>™</sup> ZB-5MS, GC Cap. Column 30 m x 0.25 mm x 0.25  $\mu$ m, Ea  
**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane  
**Dimensions:** 30 meters x 0.25 mm x 0.25  $\mu$ m  
**Order No:** 7HG-G010-11  
**Oven Profile:** 40 °C for 1 min to 100 °C @ 15 °C/min to 225 °C @ 5 °C/min to 320 °C @ 15 °C/min for 8 min  
**Carrier Gas:** Constant Flow Helium, 0.8 mL/min  
**Injection:** On-Column :1 0.5  $\mu$ L @ 43°C  
**Detection:** Mass Selective (MSD) (335°C)  
**Analyst Note:** Analytes 10 ppm in Acetone



Products used in this application:



17655



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### ANALYTES:

- 1 Naphthalene
- 2 2-Methylnaphthalene
- 3 Acenaphthylene
- 4 Acenaphthene
- 5 Fluorene
- 6 Phenanthrene
- 7 Anthracene
- 8 Fluoranthene
- 9 Pyrene
- 10 Benz[a]anthracene
- 11 Chrysene
- 12 Benzo[b]fluoranthene
- 13 Benzo[k]fluoranthene
- 14 Benzo[a]pyrene
- 15 Dibenz[a,h]anthracene
- 16 Indeno[1,2,3-cd]pyrene
- 17 Benzo[g,h,i]perylene

