

## GC-MS PAH and PCB analysis using a 30 meter Zebron ZB-PAH-EU GC column

**Column:** Zebron ZB-PAH-EU, GC Cap. Column 30m, 0.25mm, 0.20  $\mu$ m, Ea

**Phase:**

**Dimensions:** 30 meters x 0.25 mm x 0.2  $\mu$ m

**Order No:** 7HG-G043-10

**Oven Profile:** 45°C for 1 min to 200°C @ 50°C/min to 250°C @ 3°C/min 250°C for 5 min to 300°C @ 3°C/min 300°C for 10 min to 340°C @ 5°C/min

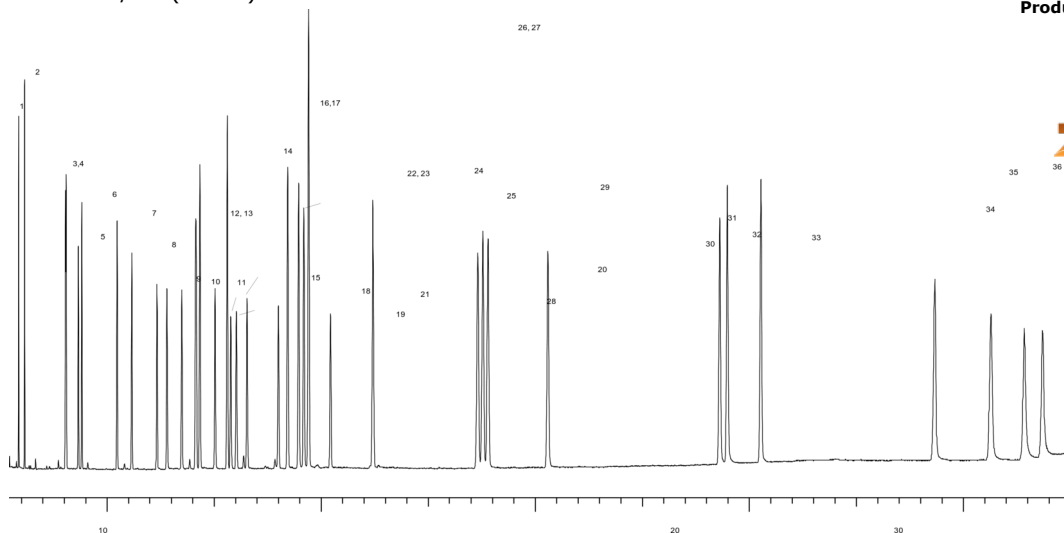
**Carrier Gas:** Constant Flow Helium, 1.3 mL/min

**Injection:** Splitless :1 1  $\mu$ L @ 320°C

**Detection:** GC/MS (300°C)



Products used in this application:



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### ANALYTES:

- 1 TCMX
- 2 DCB 22
- 3 PCB 31
- 4 PCB 28
- 5 PCB 69
- 6 PCB 52
- 7 PCB 70
- 8 PCB 101
- 9 PCB 81
- 10 PCB 77
- 11 PCB 123
- 12 PCB 153
- 13 PCB 118
- 14 Benzo[c]fluorene
- 15 PCB 105
- 16 PCB 164
- 17 PCB 163
- 18 PCB 138
- 19 PCB 126
- 20 PCB 167
- 21 PCB 156
- 22 PCB 180
- 23 PCB 157
- 24 Benz[a]anthracene
- 25 Cyclopenta[c,d]pyrene
- 26 PCB 169
- 27 Chrysene
- 28 PCB 170
- 29 5-Methylchrysene
- 30 Benzo[b]fluoranthene
- 31 Benzo[k]fluoranthene
- 32 Benzo[j]fluoranthene
- 33 Benzo[a]pyrene
- 34 Indeno[1,2,3-cd]pyrene
- 35 Dibenzo[a,h]anthracene
- 36 Benzo[g,h,i]perylene
- 37 Dibenzo[a,l]pyrene
- 38 Dibenzo[a,e]pyrene
- 39 Dibenzo[a,i]pyrene
- 40 Dibenzo[a,h]pyrene

