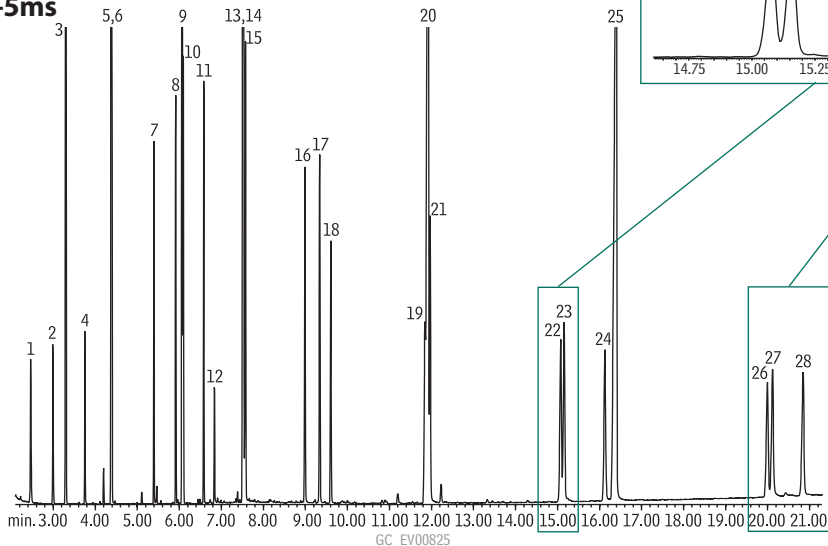


Polynuclear Aromatic Hydrocarbons

US EPA Method 610

Rxi™-5ms



GC_EV00825

Column: Rxi™-5ms, 30m, 0.25mm ID, 0.25µm (cat.# 13423)
Sample: SV Calibration Mix #5 / 610 PAH Mix (cat.# 31011), Acid Surrogate Mix (4/89 SOW) (cat.# 31025), B/N Surrogate Mix (4/89 SOW) (cat.# 31024), SV Internal Standard Mix (cat.# 31206)
Inj.: 1.0µL, 10ppm each analyte (10ng on column; 40ng each internal standard), splitless (hold 0.1 min.)
4mm Drilled Uniliner® inlet liner (hole at bottom) (cat.# 20771)
Instrument: Agilent 6890

Inj. temp.: 275°C
Carrier gas: helium, constant flow
Flow rate: 1.2mL/min.
Oven temp.: 75°C (hold 0.5 min.) to 245°C @ 25°C/min., to 330°C @ 4°C/min. (hold 1 min.)
Det.: Agilent 5973 GC/MS
Transfer line temp.: 280°C
Scan range: 35-550 amu
Solvent delay: 2 min.
Tune: DFTPP
Ionization: EI

- | | |
|---------------------------|-----------------------------|
| 1. 2-fluorophenol | 15. anthracene |
| 2. phenol-d6 | 16. fluoranthene |
| 3. 1,4-dichlorobenzene-d4 | 17. pyrene |
| 4. nitrobenzene-d5 | 18. <i>p</i> -terphenyl-d14 |
| 5. naphthalene-d8 | 19. benzo(a)anthracene |
| 6. naphthalene | 20. chrysene-d12 |
| 7. 2-fluorobiphenyl | 21. chrysene |
| 8. acenaphthylene | 22. benzo(b)fluoranthene |
| 9. acenaphthene-d10 | 23. benzo(k)fluoranthene |
| 10. acenaphthene | 24. benzo(a)pyrene |
| 11. fluorene | 25. perylene-d12 |
| 12. 2,4,6-tribromophenol | 26. indeno(1,2,3-cd)pyrene |
| 13. phenanthrene-d10 | 27. dibenzo(a,h)anthracene |
| 14. phenanthrene | 28. benzo(ghi)perylene |