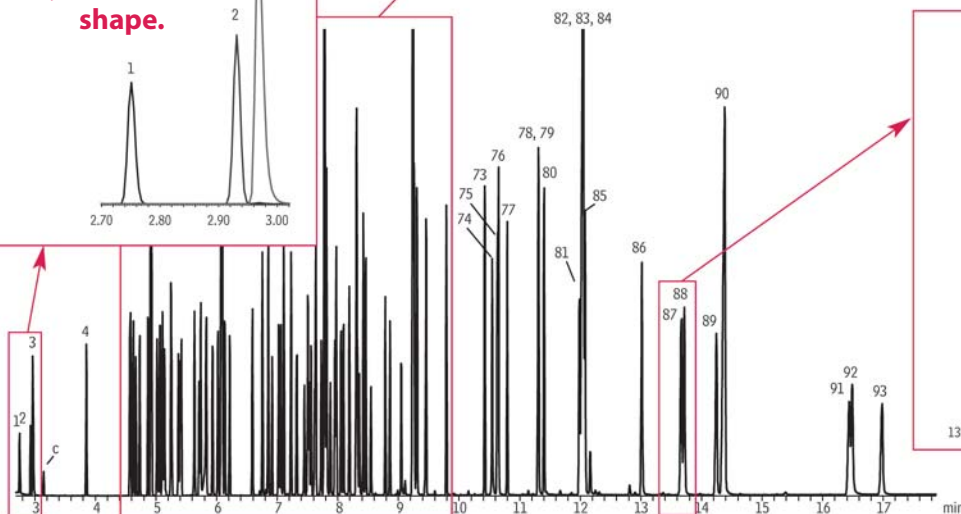
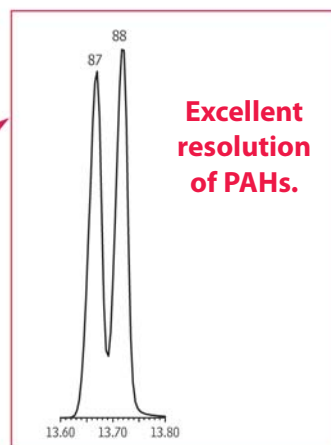
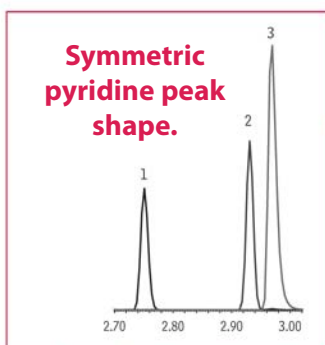
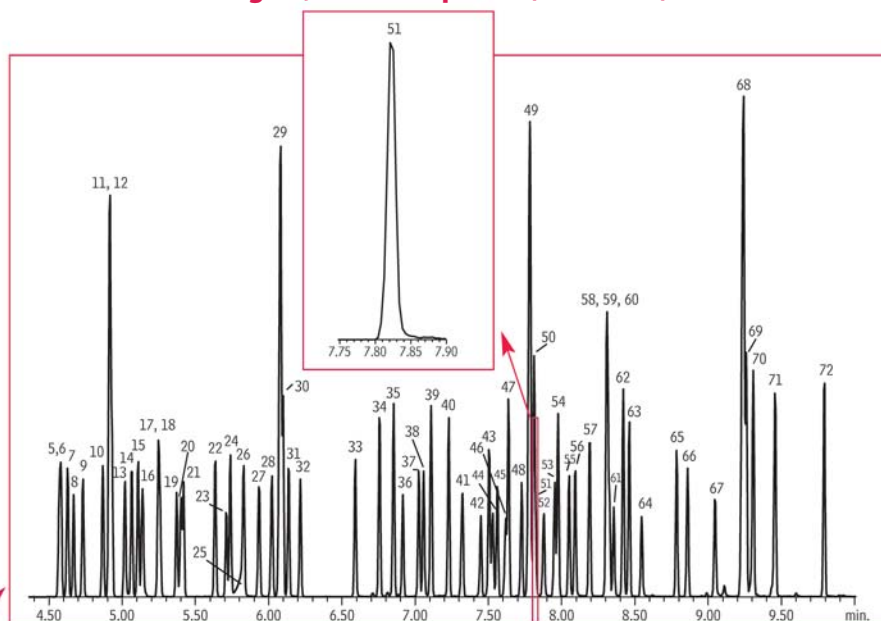


Semivolatile Organics
US EPA Method 8270
Rxi®-5Sil MS

Column: Rxi®-5Sil MS, 30m, 0.25mm ID, 0.25µm (cat.# 13623)
 Sample: 8270 MegaMix® (cat.# 31850), Benzoic Acid (cat.# 31879), 8270 Benzidines Mix (cat.# 31852), Acid Surrogate Mix (4/89 SOW) (cat.# 31025), Revised B/N Surrogate Mix (cat.# 31887), 1,4-dioxane (cat.# 31853), SV Internal Standard Mix (cat.# 31206) in methylene chloride, 10ng on column
 Inj.: 1.0µL pulsed splitless, pulse 25psi @ 0.3min., 60mL/min. @ 0.25min, 4mm single gooseneck liner with application specific wool (cat.# 20798-231.1)
 Inj. temp.: 250°C
 Carrier gas: helium, constant flow
 Flow rate: 1.2mL/min.
 Oven temp.: 40°C (hold 1.0 min.) to 280°C @ 25°C/min. to 320°C @ 5°C/min. (hold 1.0 min.)
 Det: MS
 Transfer line temp.: 280°C
 Scan range: 35-550 amu
 Ionization: EI
 Mode: scan
 Instrument: Agilent 7890A/5975 GC/MS

High 2,4-DNP response (RF=0.269).



GC_EV01129

- | | | | | |
|-----------------------------------|--------------------------------|---------------------------------|--|---------------------------------|
| 1. 1,4-dioxane | 20. nitrobenzene-d5 (SS) | 40. 2-chloronaphthalene | 60. 4-nitroaniline | 78. 3,3-dimethylbenzidine |
| 2. N-nitrosodimethylamine | 21. nitrobenzene | 41. 2-nitroaniline | 61. 4,6-dinitro-2-methylphenol | 79. butyl benzyl phthalate |
| 3. pyridine | 22. isophorone | 42. 1,4-dinitrobenzene | 62. N-nitrosodiphenylamine (diphenylamine) | 80. bis(2-ethylhexyl) adipate |
| c. toluene | 23. 2-nitrophenol | 43. dimethyl phthalate | 63. 1,2-diphenylhydrazine (as azobenzene) | 81. 3,3'-dichlorobenzidine |
| 4. 2-fluorophenol (SS) | 24. 2,4-dimethylphenol | 44. 1,3-dinitrobenzene | 64. 2,4,6-tribromophenol (SS) | 82. benzo(a)anthracene |
| 5. phenol-d6 (SS) | 25. benzoic acid | 45. 2,6-dinitrotoluene | 65. 4-bromophenyl phenyl ether | 83. bis(2-ethylhexyl) phthalate |
| 6. phenol | 26. bis(2-chloroethoxy)methane | 46. 1,2-dinitrobenzene | 66. hexachlorobenzene | 84. chrysene-d12 (IS) |
| 7. aniline | 27. 2,4-dichlorophenol | 47. acenaphthylene | 67. pentachlorophenol | 85. chrysene |
| 8. bis(2-chloroethyl) ether | 28. 1,2,4-trichlorobenzene | 48. 3-nitroaniline | 68. phenanthrene-d10 (IS) | 86. di-n-octyl phthalate |
| 9. 2-chlorophenol | 29. naphthalene-d8 (IS) | 49. acenaphthene-d10 (IS) | 69. phenanthrene | 87. benzo(b)fluoranthene |
| 10. 1,3-dichlorobenzene | 30. naphthalene | 50. acenaphthene | 70. anthracene | 88. benzo(k)fluoranthene |
| 11. 1,4-dichlorobenzene-d4 (IS) | 31. 4-chloroaniline | 51. 2,4-dinitrophenol | 71. carbazole | 89. benzo(a)pyrene |
| 12. 1,4-dichlorobenzene | 32. hexachlorobutadiene | 52. 4-nitrophenol | 72. di-n-butyl phthalate | 90. perylene-d12 (IS) |
| 13. benzyl alcohol | 33. 4-chloro-3-methylphenol | 53. 2,4-dinitrotoluene | 73. fluoranthene | 91. dibenzo(a,h)anthracene |
| 14. 1,2-dichlorobenzene | 34. 2-methylnaphthalene | 54. dibenzofuran | 74. benzidine | 92. indeno(1,2,3-cd)pyrene |
| 15. 2-methylphenol | 35. 1-methylnaphthalene | 55. 2,3,5,6-tetrachlorophenol | 75. pyrene-d10 (SS) | 93. benzo(ghi)perylene |
| 16. bis(2-chloroisopropyl) ether | 36. hexachlorocyclopentadiene | 56. 2,3,4,6-tetrachlorophenol | 76. pyrene | |
| 17. 4-methylphenol/3-methylphenol | 37. 2,4,6-trichlorophenol | 57. diethyl phthalate | 77. p-terphenyl-d14 (SS) | |
| 18. N-nitroso-di-n-propylamine | 38. 2,4,5-trichlorophenol | 58. 4-chlorophenyl phenyl ether | | |
| 19. hexachloroethane | 39. 2-fluorobiphenyl (SS) | 59. fluorene | | |