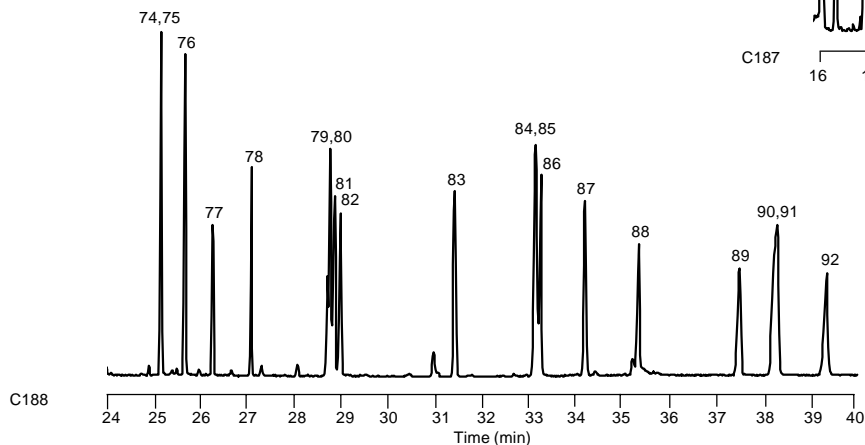
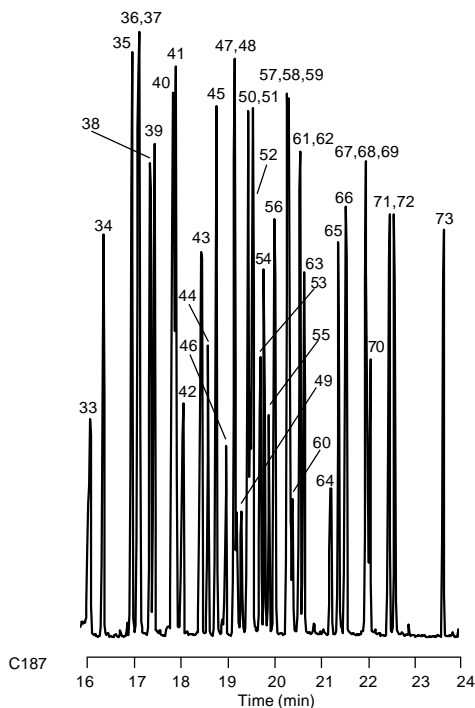
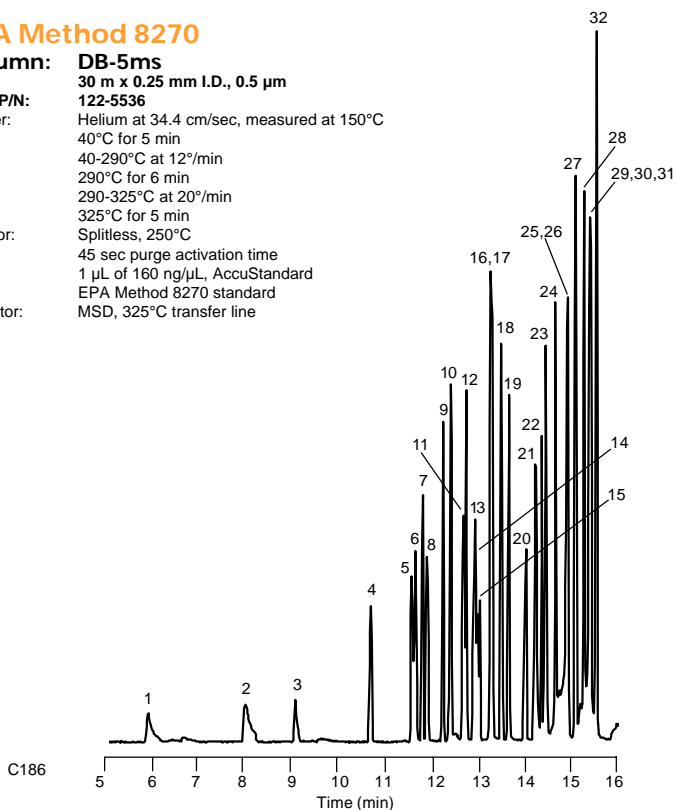


EPA Method 8270

Column: DB-5ms
30 m x 0.25 mm I.D., 0.5 µm
J&W P/N: 122-5536
Carrier: Helium at 34.4 cm/sec, measured at 150°C
Oven: 40°C for 5 min
40-290°C at 12°/min
290°C for 6 min
290-325°C at 20°/min
325°C for 5 min
Injector: Splitless, 250°C
45 sec purge activation time
1 µL of 160 ng/µL, AccuStandard
EPA Method 8270 standard
Detector: MSD, 325°C transfer line

Compound list for
all chromatograms at right,
page 205



EPA Method 8270 (Continued from page 204)

| Compound | m/z | RT | Compound | m/z | RT | Compound | m/z | RT |
|-----------------------------------|-----|-------|---------------------------------|-----|-------|------------------------------------|-----|-------|
| 1. N-Nitrosodimethylamine | 42 | 5.95 | 38. 2,4,6-Trichlorophenol | 196 | 17.40 | 74. Fluoranthene | 202 | 25.15 |
| 2. 2-Picoline | 93 | 8.02 | 39. 2,4,5-Trichlorophenol | 196 | 17.48 | 75. Benzidine | 184 | 25.38 |
| 3. Methyl methanesulfonate | 80 | 9.10 | 40. 2-Chloronaphthalene | 162 | 17.89 | 76. Pyrene | 202 | 25.66 |
| 4. Ethyl methanesulfonate | 79 | 10.70 | 41. 1-Chloronaphthalene | 162 | 17.94 | 77. p-Dimethylaminoazobenzene | 120 | 26.23 |
| 5. Phenol | 94 | 11.58 | 42. 2-Nitroaniline | 65 | 18.09 | 78. Butyl benzyl phthalate | 149 | 27.08 |
| 6. Aniline | 93 | 11.65 | 43. Dimethyl phthalate | 163 | 18.49 | 79. 3,3'-Dichlorobenzidine | 252 | 28.69 |
| 7. bis(2-Chloroethyl) ether | 93 | 11.80 | 44. 2,6-Dinitrotoluene | 165 | 18.64 | 80. bis(2-Ethylhexyl)phthalate | 149 | 28.76 |
| 8. 2-Chlorophenol | 128 | 11.90 | 45. Acenaphthylene | 152 | 18.81 | 81. Benzo[a]anthracene | 228 | 28.85 |
| 9. 1,3-Dichlorobenzene | 146 | 12.24 | 46. 3-Nitroaniline | 138 | 19.01 | 82. Chrysene | 228 | 28.98 |
| 10. 1,4-Dichlorobenzene | 146 | 12.40 | 47. Acenaphthene | 154 | 19.20 | 83. Di-n-octyl phthalate | 149 | 31.41 |
| 11. Benzyl alcohol | 108 | 12.67 | 48. 2,4-Dinitrophenol | 184 | 19.25 | 84. 7,12-Dimethylbenz[a]anthracene | 256 | 33.13 |
| 12. 1,2-Dichlorobenzene | 146 | 12.73 | 49. 4-Nitrophenol | 139 | 19.35 | 85. Benzo[b]fluoranthene | 252 | 33.16 |
| 13. 2-Methyl phenol | 108 | 12.92 | 50. Pentachlorobenzene | 250 | 19.49 | 86. Benzo[k]fluoranthene | 252 | 33.26 |
| 14. bis(2-Chloroisopropyl) ether | 45 | 12.97 | 51. 2,4-Dinitrotoluene | 165 | 19.54 | 87. Benzo[a]pyrene | 252 | 34.20 |
| 15. 4-Methyl phenol | 108 | 13.25 | 52. Dibenzofuran | 168 | 19.59 | 88. 3-Methylcholanthrene | 268 | 35.34 |
| 16. Acetophenone | 105 | 13.28 | 53. 1-Naphthylamine | 143 | 19.75 | 89. Dibenz[a,j]acridine | 279 | 37.49 |
| 17. N-Nitrosodi-n-propylamine | 70 | 13.29 | 54. 2,3,4,6-Tetrachlorophenol | 232 | 19.84 | 90. Indeno[1,2,3-c,d]pyrene | 276 | 38.23 |
| 18. Hexachloroethane | 117 | 13.48 | 55. 2-Naphthylamine | 143 | 19.93 | 91. Dibenz[a,h]anthracene | 278 | 38.30 |
| 19. Nitrobenzene | 77 | 13.65 | 56. Diethyl phthalate | 149 | 20.06 | 92. Benzo[g,h,i]perylene | 276 | 39.34 |
| 20. N-Nitrosopiperidine | 114 | 14.00 | 57. 4-Chlorophenyl phenyl ether | 204 | 20.32 | | | |
| 21. Isophorone | 82 | 14.21 | 58. Fluorene | 166 | 20.36 | | | |
| 22. 2-Nitrophenol | 139 | 14.35 | 59. 4-Nitroaniline | 138 | 20.39 | | | |
| 23. 2,4-Dimethylphenol | 122 | 14.43 | 60. 4,6-Dinitro-2-methylphenol | 198 | 20.45 | | | |
| 24. bis(2-Chloroethoxy)methane | 93 | 14.64 | 61. Diphenylamine | 169 | 20.60 | | | |
| 25. Benzoic acid | 122 | 14.83 | 62. Decomposed | | | | | |
| 26. 2,4-Dichlorophenol | 162 | 14.89 | N-Nitrosodiphenylamine | 169 | 20.60 | | | |
| 27. 1,2,4-Trichlorobenzene | 180 | 15.06 | 63. 1,2-Diphenylhydrazine | 77 | 20.68 | | | |
| 28. Naphthalene | 128 | 15.25 | 64. Phenacetin | 108 | 21.25 | | | |
| 29. (α, α)-Dimethylphenethylamine | 58 | 15.32 | 65. 4-Bromophenyl phenyl ether | 248 | 21.42 | | | |
| 30. 4-Chloroaniline | 127 | 15.37 | 66. Hexachlorobenzene | 284 | 21.58 | | | |
| 31. 2,6-Dichlorophenol | 162 | 15.39 | 67. 4-Aminobiphenyl | 169 | 22.00 | | | |
| 32. Hexachlorobutadiene | 225 | 15.51 | 68. Pentachlorophenol | 266 | 22.01 | | | |
| 33. N-Nitroso-di-n-butylamine | 84 | 16.11 | 69. Pentachloronitrobenzene | 295 | 22.04 | | | |
| 34. 4-Chloro-3-methylphenol | 107 | 16.40 | 70. Pronamide | 173 | 22.09 | | | |
| 35. 2-Methylnaphthalene | 142 | 17.01 | 71. Phenanthrene | 178 | 22.50 | | | |
| 36. Hexachlorocyclopentadiene | 237 | 17.13 | 72. Anthracene | 178 | 22.62 | | | |
| 37. 1,2,4,5-Tetrachlorobenzene | 216 | 17.16 | 73. Di-n-butylphthalate | 149 | 23.65 | | | |