

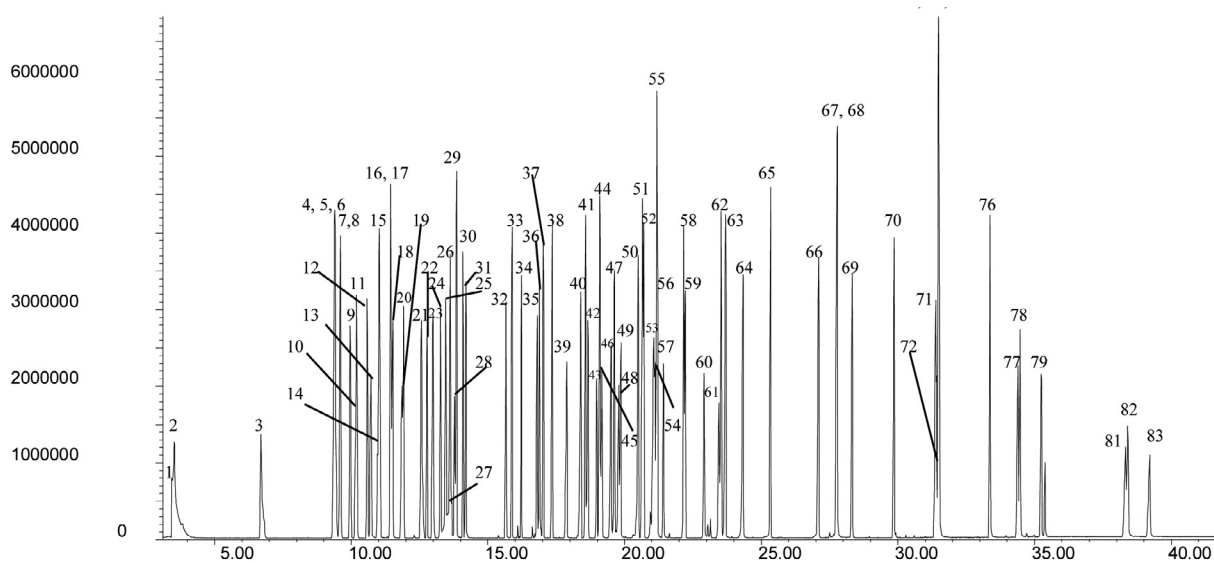
Analysis of USEPA 8270 mix

SolGel-1ms™

| | | | |
|---------------------|--|----------------------------|--------------------------|
| Column part number | 054795 | | |
| Phase | SolGel-1ms™ | Carrier gas flow | 1.1 mL/min |
| Column | 30 m x 0.25 mm x 0.25 µm | Constant flow | On |
| Sample | 10 ppm in methanol | Injection mode | Splitless |
| Initial temperature | 40°C, 3 min | Purge on time | 0.5 min |
| Rate | 8°C/min to 300°C | Purge on (split) vent flow | 40 mL/min |
| Final temperature | 300°C, 9 min | Injection volume | 1 µL |
| Detector | MS | Injection temperature | 250°C |
| Carrier gas | He | Autosampler | No |
| Inlet pressure | 16 psi for 30 sec then drops to 10 psi | Liner type | 4 mm ID Single Gooseneck |
| Pressure rate | 10 psi to 28 psi at 0.5 psi/min | Full scan / SIM | Full scan 41-450 |
| Final pressure | 28 psi until end of run | | |

Components

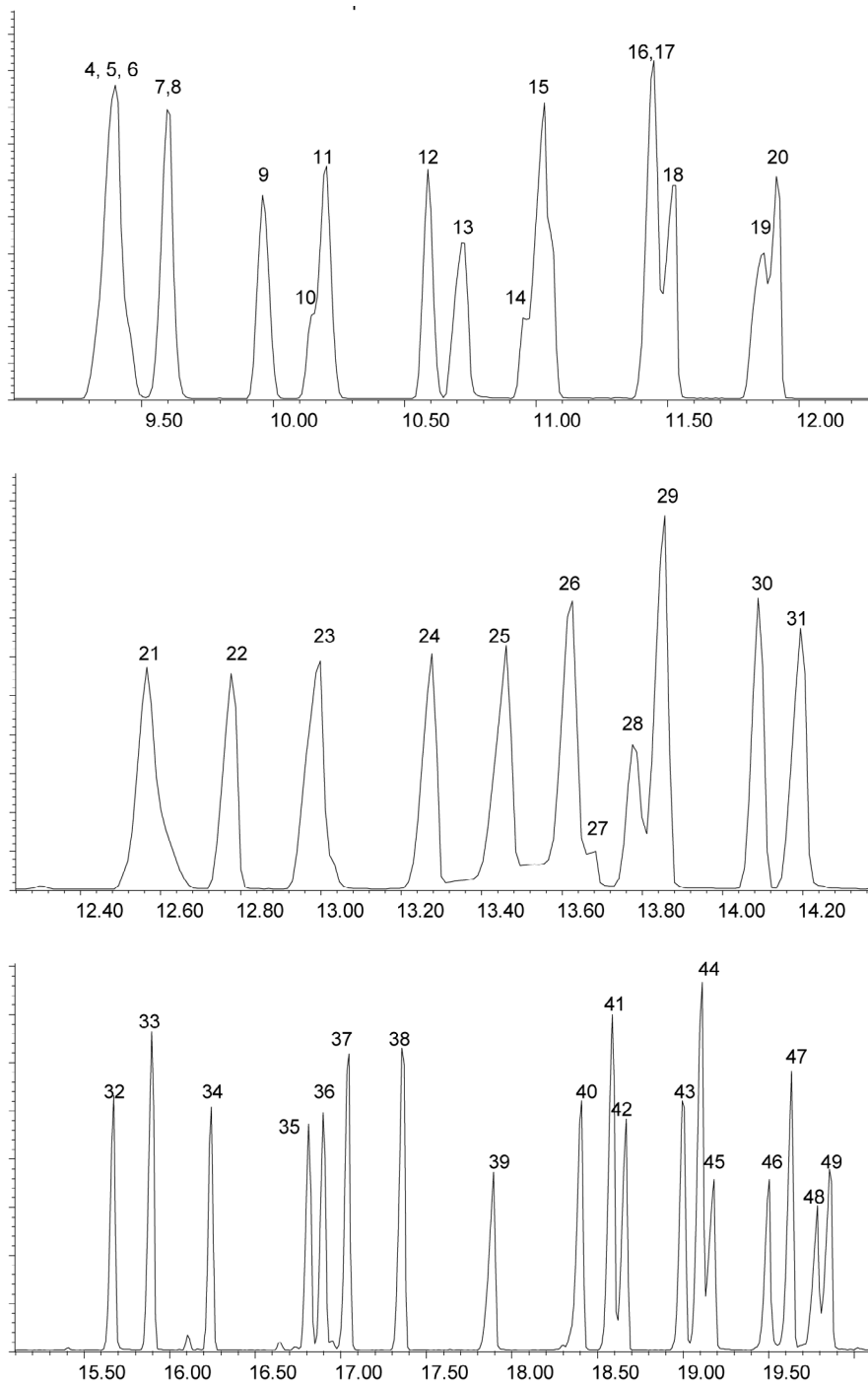
| | | | |
|----------------------------------|------------------------------------|---------------------------------|----------------------------------|
| 1. Pyridine | 22. 2-Nitrophenol | 43. Acenaphthene-d10 | 64. Carbazole |
| 2. n-Nitrosodimethylamine | 23. 2,4-Xylenol | 44. Acenaphthene | 65. Di-n-butyl phthalate |
| 3. 2-Fluorophenol | 24. bis - (2-Chloroethoxy) methane | 45. 3-Nitroaniline | 66. Fluoranthene |
| 4. Phenol-d5 | 25. 2,4-Dichlorophenol | 46. 2,4-Dinitrophenol | 67. Benzidine |
| 5. Phenol | 26. 1,2,4-Trichlorobenzene | 47. Dibenzofuran | 68. Pyrene |
| 6. Aniline | 27. Benzoic acid | 48. 4-Nitrophenol | 69. p-Terphenyl-d14 |
| 7. bis - (2-chloroethyl) ether | 28. Naphthalene-d8 | 49. 2,4-Dinitrotoluene | 70. Butyl benzyl phthalate |
| 8. 2-Chlorophenol | 29. Naphthalene | 50. Diethylphthalate | 71. Benz (a)anthracene |
| 9. 1,3-Dichlorobenzene | 30. Hexachlorobutadiene | 51. Fluorene | 72. Chrysene-d12 |
| 10. 1,4-Dichlorobenzene-d4 | 31. 4-Chloroaniline | 52. 4-Chlorophenyl phenyl ether | 73. 3,3-Dichlorobenzidine |
| 11. 1,4-Dichlorobenzene | 32. 4-Chloro-3-methylphenol | 53. 2-Methyl-4,6-dinitrophenol | 74. Chrysene |
| 12. 1,2-Dichlorobenzene | 33. 2-Methylnaphthalene | 54. 4-Nitroaniline | 75. bis (2-Ethylhexyl) phthalate |
| 13. Benzyl alcohol | 34. Hexachlorocyclopentadiene | 55. n-Nitrosodiphenylamine | 76. Di-n-octyl phthalate |
| 14. bis-(2-chloroisopropyl)ether | 35. 2,4,6-Trichlorophenol | 56. Azobenzene | 77. Benzo (b)fluoranthene |
| 15. 2-Methyl phenol | 36. 2,4,5-Trichlorophenol | 57. 2,4,6-Tribromophenol | 78. Benzo (k)fluoranthene |
| 16. n-Nitroso-di-n-propylamine | 37. 2-Fluorobiphenyl | 58. 4-Bromophenyl phenyl ether | 79. Benzo[a]pyrene |
| 17. Hexachloroethane | 38. 2-Chloronaphthalene | 59. Hexachlorobenzene | 80. Perylene-d12 |
| 18. 4-Methylphenol | 39. 2-Nitroaniline | 60. Pentachlorophenol | 81. Indeno (1,2,3-cd) perylene |
| 19. Nitrobenzene-d5 | 40. Dimethyl phthalate | 61. Phenanthrene-d10 | 82. Dibenz (a,h) anthracene |
| 20. Nitrobenzene | 41. Acenaphthylene | 62. Phenanthrene | 83. Benzo (g,h,i) perylene |
| 21. Isophorone | 42. 2,6-Dinitrotoluene | 63. Anthracene | |



Acknowledgements: Mark Ferry, ECS/MDL, USA.

Analysis of USEPA 8270 mix

SolGel-1ms™



For more information visit www.trajanscimed.com or contact techsupport@trajanscimed.com