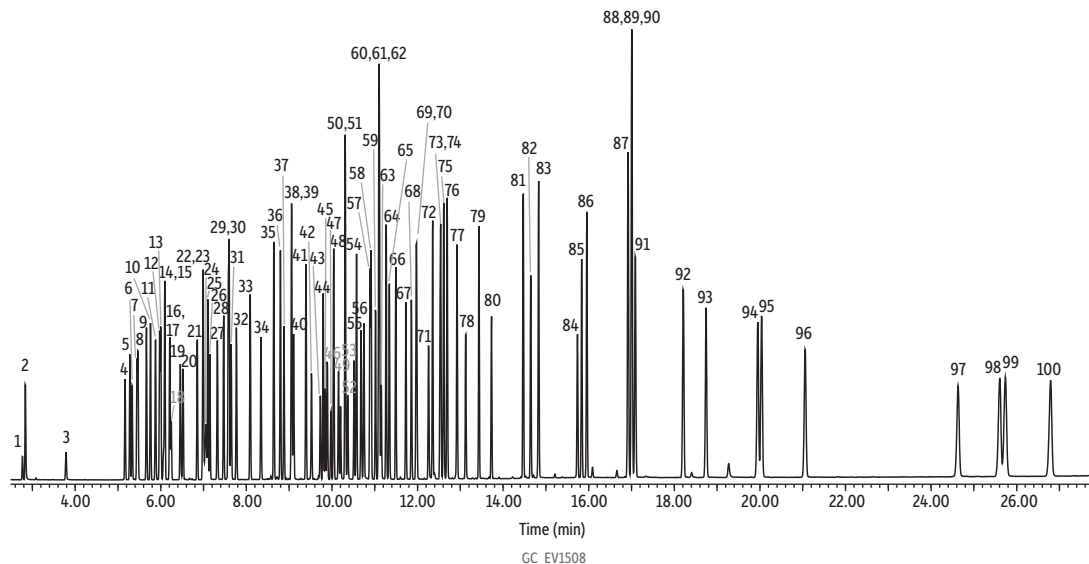


Semivolatiles SVOC MegaMix 100 Kit on Rxi-SVOCms



GC_EV1508

Column Rxi-SVOCms, 30 m, 0.25 mm ID, 0.50 µm (cat.# 16638)
Standard/Sample SVOC MegaMix 100 kit (cat.# 31908)
Diluent: Dichloromethane
Conc.: 20 µg/mL (2 ng on-column)
Injection
 Inj. Vol.: 1 µL split (split ratio 10:1)
 Liner: Topaz 4.0 mm ID single taper inlet liner w/ wool (cat.# 23303)
 Inj. Temp.: 250 °C
Oven
 Oven Temp.: 60 °C (hold 1 min) to 285 °C at 16 °C/min to 305 °C at 1.65 °C/min to 330 °C at 8.8 °C/min (hold 4.55 min)
Carrier Gas
 Flow Rate: 1.2 mL/min
Detector
 Mode: MS
 Scan Program: Scan

Peaks	tr (min)
1. N-Nitrosodimethylamine	2.771
2. Pyridine	2.839
3. Acrylamide	3.789
4. Phenol	5.169
5. Aniline	5.281
6. Bis(2-chloroethyl) ether	5.334
7. 2-Chlorophenol	5.449
8. Decane	5.469
9. 1,3-Dichlorobenzene	5.668
10. 1,4-Dichlorobenzene	5.762
11. Benzyl alcohol	5.879
12. 1,2-Dichlorobenzene	5.977
13. 2-Methylphenol	6.002
14. 2,2'-Oxybis(1-chloropropane)	6.072
15. Indene	6.095
16. 3-Methylphenol	6.212
17. 4-Methylphenol	6.212
18. N-Nitroso-di-n-propylamine	6.247
19. Hexachloroethane	6.46
20. Nitrobenzene	6.523
21. Isophorone	6.855
22. 2-Nitrophenol	6.985
23. 2,4-Dimethylphenol	6.993
24. Benzoic acid	7.061
25. O,O,O-Triethyl phosphorothioate	7.102
26. Bis(2-chloroethoxy)methane	7.149
27. 2,4-Dichlorophenol	7.326
28. 1,2,4-Trichlorobenzene	7.473
29. α-Terpineol	7.597
30. Naphthalene	7.597
31. 4-Chloroaniline	7.648
32. Hexachlorobutadiene	7.771
33. Quinoline	8.093
34. 4-Chloro-3-methylphenol	8.344
35. 2-Methylnaphthalene	8.644
36. 1-Methylnaphthalene	8.798
37. Hexachlorocyclopentadiene	8.881
38. 2,3-Dichloroaniline	9.059
39. 2,4,6-Trichlorophenol	9.059
40. 2,4,5-Trichlorophenol	9.107
41. 2-Chloronaphthalene	9.396
42. 2-Nitroaniline	9.526
43. 1,2-Dinitrobenzene	9.732
44. Dimethyl phthalate	9.797
45. 1,3-Dinitrobenzene	9.847
46. 2,6-Dinitrotoluene	9.895
47. 1,4-Dinitrobenzene	9.978
48. Acenaphthylene	10.044
49. 3-Nitroaniline	10.156
50. Acenaphthene	10.312

Transfer Line Temp.: 280 °C
Analyzer Type: Quadrupole
Source Type: Inert
Drawout Plate: 6 mm ID
Source Temp.: 330 °C
Quad Temp.: 180 °C
Electron Energy: 70 eV
Solvent Delay Time: 2 min
Tune Type: DF TPP
Ionization Mode: EI
Instrument
 Agilent 7890A GC & 5975C MSD
Sample Preparation
 Solutions were mixed and diluted to 20 ppm with dichloromethane in amber 2 mL, 9 mm short-cap, screw-thread vials (cat.# 21143) and sealed with 2.0 mL, 9 mm short-cap, screw-vial closures (cat.# 23842).

Notes
 The SVOC MegaMix 100 kit (cat.# 31908) contains one ampul each of the following standards.
 • 8270 MegaMix (cat.# 31850)
 • SVOC Additions standard (cat.# 31909)
 • Benzoic acid (cat.# 31879)

Acknowledgement
 Chris Rattray



Peaks	tr (min)
51. 2,4-Dinitrophenol	10.312
52. 4-Nitrophenol	10.371
53. 2,4-Dinitrotoluene	10.52
54. Dibenzofuran	10.577
55. 2,3,5,6-Tetrachlorophenol	10.683
56. 2,3,4,6-Tetrachlorophenol	10.75
57. Diethyl phthalate	10.892
58. Hexadecane	10.917
59. Zinophos	11.021
60. 4-Nitroaniline	11.103
61. Fluorene	11.105
62. 4-Chlorophenyl phenyl ether	11.105
63. 4,6-Dinitro-2-methylphenol	11.155
64. Diphenylamine	11.269
65. Azobenzene	11.343
66. Sulfotep	11.494
67. Phorate	11.73
68. 4-Bromophenyl phenyl ether	11.86
69. Dimethoate	11.976
70. Hexachlorobenzene	11.976
71. Pentachlorophenol	12.26
72. Octadecane	12.355
73. Disulfoton	12.542
74. Dinoseb	12.542
75. Phenanthrene	12.615
76. Anthracene	12.695
77. Carbazole	12.925
78. Methyl parathion	13.128
79. di-n-Butyl phthalate	13.438
80. Ethyl Parathion	13.73
81. Fluoranthene	14.472
82. Benzidine	14.648
83. Pyrene	14.832
84. Famphur	15.739
85. Benzyl butyl phthalate	15.838
86. Bis(2-ethylhexyl) adipate	15.958
87. 3,3'-Dichlorobenzidine	16.922
88. 4,4'-Methylene-bis(2-chloroaniline)	17.009
89. Benz[a]anthracene	17.009
90. Di-n-octyl phthalate	17.011
91. Chrysene	17.092
92. 6-Methylchrysene	18.212
93. Bis(2-ethylhexyl) phthalate	18.744
94. Benzo[b]fluoranthene	19.953
95. Benzo[k]fluoranthene	20.043
96. Benzo[a]pyrene	21.06
97. Dibenz[a,h]acridine	24.633
98. Indeno[1,2,3-cd]pyrene	25.607
99. Dibenz[a,h]anthracene	25.739
100. Benzo[ghi]perylene	26.795