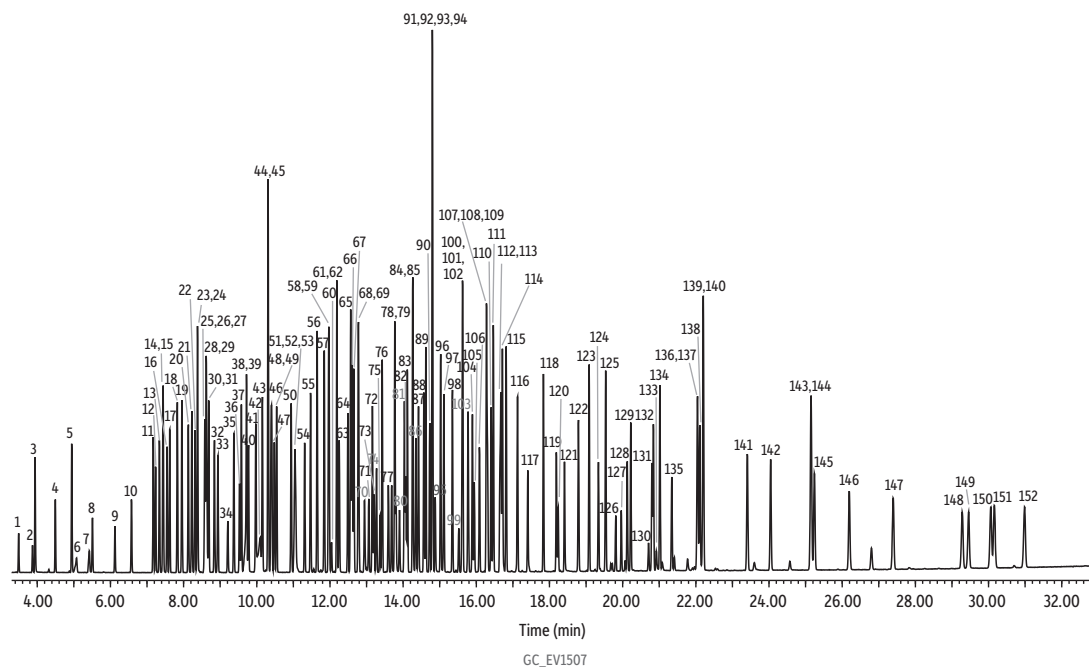


Semivolatiles SVOC MegaMix 150 Kit on Rxi-SVOCms



Column Rxi-SVOCms, 30 m, 0.25 mm ID, 0.50 μ m (cat.# 16638)
Standard/Sample SVOC MegaMix 150 kit (cat.# 31907)
Diluent: Dichloromethane
Conc.: 20 μ g/mL (2 ng on-column)
Injection
Inj. Vol.: 1 μ L 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 He, constant flow
Flow Rate: 1.2 mL/min
Detector MS
Mode: Scan
Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	2.0	50-500	3.6

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: DFTPP
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). The SVOC MegaMix 150 kit (cat.# 31907) contains one ampul each of the following standards.
Notes

- 8270 MegaMix (cat.# 31850)
- SVOC Additions standard (cat.# 31909)
- Appendix IX mix #1, revised (cat.# 32459)
- Methapyrilene (cat.# 32460)
- Appendix IX mix #2 (cat.# 31806)
- Benzoic acid (cat.# 31879)

Acknowledgement Chris Rattray

Peaks	tr (min)	Peaks	tr (min)
1. 1,4-Dioxane	3.494	77. 3-Nitroaniline	13.6
2. N-Nitrosodimethylamine	3.874	78. Acenaphthene	13.775
3. Pyridine	3.943	79. 2,4-Dinitrophenol	13.808
4. Ethyl methacrylate	4.497	80. 4-Nitrophenol	13.904
5. 2-Picoline	4.945	81. Pentachlorobenzene	14.038
6. N-Nitrosomethylethylamine	5.074	82. 2,4-Dinitrotoluene	14.073
7. Acrylamide	5.427	83. Dibenzofuran	14.118
8. Methyl methanesulfonate	5.511	84. 1-Naphthylamine	14.265
9. N-Nitrosodiethylamine	6.127	85. 2,3,5,6-Tetrachlorophenol	14.266
10. Ethyl methanesulfonate	6.579	86. 2,3,4,6-Tetrachlorophenol	14.35
11. Benzaldehyde	7.174	87. 2-Naphthylamine	14.422
12. Phenol	7.238	88. Diethyl Phthalate	14.57
13. Aniline	7.342	89. Hexadecane	14.622
14. Bis(2-chloroethyl) ether	7.434	90. Zinophos	14.729
15. Pentachloroethane	7.448	91. Fluorene	14.801
16. 2-Chlorophenol	7.55	92. 4-Chlorophenyl phenyl ether	14.803
17. Decane	7.623	93. 5-Nitro-O-toluidine	14.806
18. 1,3-Dichlorobenzene	7.832	94. 4-Nitroaniline	14.812
19. 1,4-Dichlorobenzene	7.957	95. 4,6-Dinitro-2-methylphenol	14.879
20. Benzyl alcohol	8.132	96. Diphenylamine	15.028
21. 1,2-Dichlorobenzene	8.227	97. Azobenzene	15.116
22. 2-Methylphenol	8.314	98. Sulfotep	15.349
23. Indene	8.384	99. 1,3,5-Trinitrobenzene	15.523
24. 2,2'-oxybis(1-chloropropane)	8.384	100. Phorate	15.63
25. N-Nitrosopyrrolidine	8.571	101. Phenacetin	15.631
26. 4-Methylphenol	8.583	102. Diallate	15.634
27. 3-Methylphenol	8.583	103. 4-Bromophenyl phenyl ether	15.776
28. N-Nitrosodi-N-propylamine	8.618	104. Hexachlorobenzene	15.896
29. Acetophenone	8.625	105. Dimethoate	15.948
30. N-Nitrosomorpholine	8.644	106. Atrazine	16.089
31. o-Toluidine	8.689	107. 4-Aminobiphenyl	16.284
32. Hexachloroethane	8.845	108. Pentachloronitrobenzene	16.277
33. Nitrobenzene	8.941	109. Pentachlorophenol	16.311
34. N-Nitrosopiperidine	9.211	110. Propylamide	16.408
35. Isophorone	9.377	111. Octadecane	16.468
36. 2-Nitrophenol	9.532	112. Dinoseb	16.648
37. 2,4-Dimethylphenol	9.582	113. Disulfoton	16.673
38. Benzoic acid	9.693	114. Phenanthrene	16.716
39. O,O,O-Triethyl phosphorothioate	9.723	115. Anthracene	16.819
40. Bis(2-chloroethoxy)methane	9.777	116. Carbazole	17.128
41. 2,4-Dichlorophenol	9.976	117. Methyl parathion	17.41
42. Phentermine	10.099	118. di-n-Butyl phthalate	17.837
43. 1,2,4-Trichlorobenzene	10.156	119. Ethyl parathion	18.191
44. Naphthalene	10.313	120. 4-Nitroquinoline N-oxide	18.239
45. α-Terpineol	10.315	121. Methapyrilene	18.413
46. 4-Chloroaniline	10.939	122. Isodrin	18.794
47. 2,6-Dichlorophenol	10.414	123. Fluoranthene	19.087
48. Hexachloropropene	10.481	124. Benzidine	19.341
49. Hexachlorobutadiene	10.546	125. Pyrene	19.539
50. Quinoline	10.943	126. Aramite I	19.813
51. Caprolactam	11.029	127. Aramite II	19.965
52. N-Nitrosodibutylamine	11.047	128. p-(Dimethylamino)azobenzene	20.128
53. 1,4-Phenylenediamine	11.067	129. Chlorobenzilate	20.224
54. 4-Chloro-3-methylphenol	11.312	130. Famphur	20.711
55. Isosafrole I	11.472	131. 3,3'-Dimethylbenzidine	20.803
56. 2-Methylnaphthalene	11.653	132. Benzyl butyl phthalate	20.842
57. 1-Methylnaphthalene	11.846	133. Kepone	20.924
58. Hexachlorocyclopentadiene	11.963	134. Bis(2-ethylhexyl) adipate	21.02
59. 1,2,4,5-Tetrachlorobenzene	11.98	135. 2-(Acetylamino)fluorene	21.345
60. Isosafrole II	12.045	136. 3,3'-Dichlorobenzidine	22.042
61. 2,3-Dichloroaniline	12.191	137. 4,4-Methylene-bis(2-chloroaniline)	22.054
62. 2,4,6-Trichlorophenol	12.191	138. Benz[a]anthracene	22.11
63. 2,4,5-Trichlorophenol	12.256	139. Chrysene	22.201
64. Safrole	12.492	140. Bis(2-ethylhexyl) phthalate	22.209
65. Biphenyl	12.57	141. 6-Methylchrysene	23.411
66. 2-Chloronaphthalene	12.61	142. Di-n-octyl phthalate	24.047
67. 1-Chloronaphthalene	12.655	143. Benzo[b]fluoranthene	25.155
68. Diphenyl ether	12.778	144. 7,12-Dimethylbenz[a]anthracene	25.147
69. 2-Nitroaniline	12.793	145. Benzo[k]fluoranthene	25.243
70. 1,4-Naphthoquinone	12.946	146. Benzo[a]pyrene	26.197
71. 1,2-Dinitrobenzene	13.063	147. 3-Methylcholanthrene	27.396
72. Dimethyl phthalate	13.162	148. Dibenz(a,h)acridine	29.284
73. 1,3-Dinitrobenzene	13.209	149. Dibenz[a,j]acridine	29.458
74. 2,6-Dinitrotoluene	13.274	150. Indeno[1,2,3-cd]pyrene	30.064
75. 1,4-Dinitrobenzene	13.372	151. Dibenz[a,h]anthracene	30.162
76. Acenaphthylene	13.431	152. Benzo[ghi]perylene	30.987