

EPA Method 525.2

Column: DB-5ms

30 m x 0.25 mm I.D. x 0.25 µm

J&W P/N: 122-5532

Carrier: Helium at 32 cm/sec

(measured at 45°C)

constant flow mode

Oven:

45°C for 1 min

45-130°C at 30°/min

130°C hold for 3 min

130-180°C at 12°/min

180-240°C at 7°/min

240-325°C at 12°/min

Injector:

325°C hold for 5 min

splitless, 1 µL, 300°C,

1.0 min purge activation time,

FocusLiner

Detector:

MSD, 325°C transfer line,

full scan m/z 45-450

Sample:

composite mixture of Accustandard

Method 525.2 standards

(M-525.2-SV-ASL, M-525.2-FS-ASL,

M-525.2-CP-ASL, M-525.2-NP1-ASL,

M-525.2-NP2-ASL);

target compounds at 2 ng/µL,

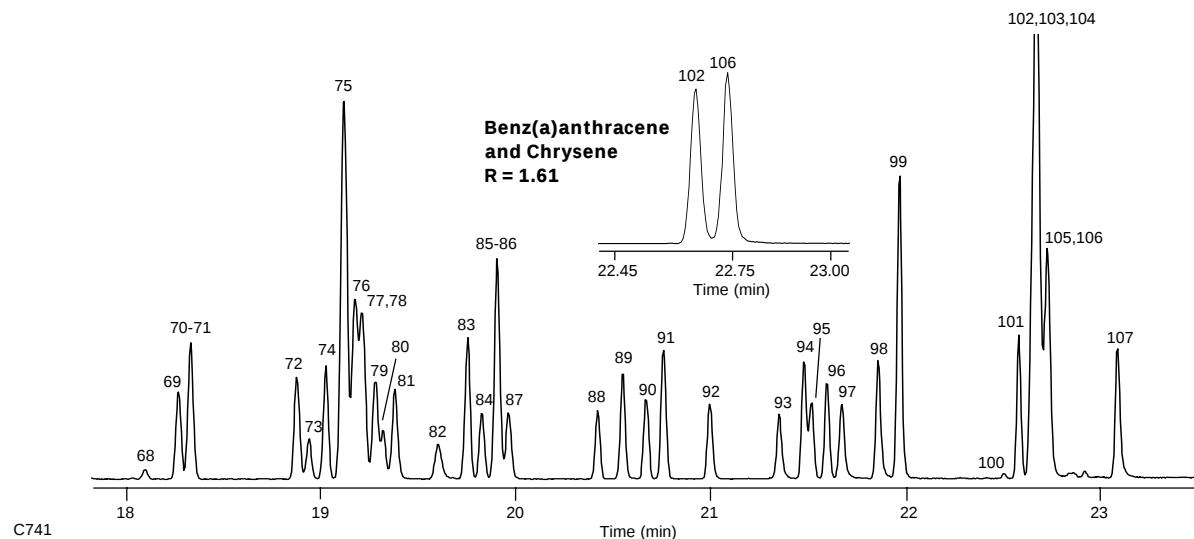
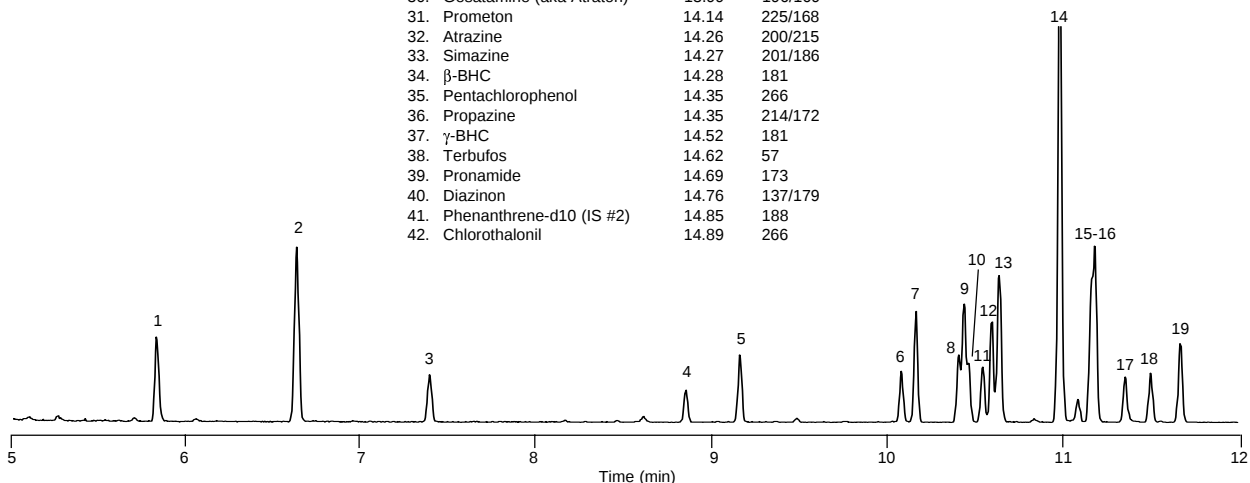
IS/SS at 5 ng/µL

Peak I.D.

1. Isophorone	5.85	82
2. 1,3-Dimethyl-2-nitrobenzene (SS)	6.65	134
3. Dichlorvos	7.41	109
4. Hexachlorocyclopentadiene	8.87	237
5. EPTC	9.17	128
6. Mevinphos	10.09	127
7. Butylate	10.18	57/146
8. Vernolate	10.42	128
9. Dimethyl phthalate	10.45	163
10. Terrazole (aka Etridazole)	10.47	211/183
11. 2,6-Dinitrotoluene	10.56	165
12. Tillam (aka Pebulate)	10.61	128
13. Acenaphthylene	10.65	152
14. Acenaphthene-d10 (IS #1)	11.00	164
15. Chloroneb	11.17	191
16. 2-Chlorobiphenyl	11.19	188
17. Tebuthiuron	11.37	156
18. 2,4-Dinitrotoluene	11.51	165
19. Molinate	11.68	126
20. Diethyl phthalate	12.21	149
21. Fluorene	12.35	166
22. Propachlor	12.46	120
23. Ethoprop	12.82	158
24. Cycloate	12.86	83/154
25. Chlorpropham	13.08	127
26. Trifluralin	13.14	306
27. α-BHC	13.69	181
28. 2,3-Dichlorobiphenyl	13.74	222/152
29. Hexachlorobenzene	13.77	284
30. Gesatamine (aka Atraton)	13.99	196/169
31. Prometon	14.14	225/168
32. Atrazine	14.26	200/215
33. Simazine	14.27	201/186
34. β-BHC	14.28	181
35. Pentachlorophenol	14.35	266
36. Propazine	14.35	214/172
37. γ-BHC	14.52	181
38. Terbufos	14.62	57
39. Pronamide	14.69	173
40. Diazinon	14.76	137/179
41. Phenanthrene-d10 (IS #2)	14.85	188
42. Chlorothalonil	14.89	266

Peak I.D.

43. Phenanthrene	14.92	178
44. Terbacil	15.02	161
45. Methyl paraoxon	15.04	109
46. Disulfoton	15.05	88
47. Anthracene	15.06	178
48. δ-BHC	15.20	181
49. 2,4,5-Trichlorobiphenyl	15.59	256
50. Metribuzin	15.95	198
51. Alachlor	16.14	160
52. Simetryn	16.23	213
53. Ametryn	16.33	227/170
54. Heptachlor	16.36	100
55. Prometryne	16.40	241/184
56. Prebane (aka Terbutryne)	16.72	226/185
57. Bromacil	16.79	205
58. Di-n-butyl phthalate	16.90	149
59. 2,2',4,4'-Tetrachlorobiphenyl	17.02	292
60. Metolachlor	17.11	162
61. Dursban (aka Chlorpyrifos)	17.15	197/97
62. Cyanazine	17.23	225/68
63. Dacthal (aka DCPA methyl ester)	17.27	301
64. Aldrin	17.29	66
65. Triadimefon	17.43	57
66. Diphenamid	17.73	72/167
67. MGK-264 (isomer A)	17.78	164/66
68. MGK-264 (isomer B)	18.11	164
69. Heptachlor epoxide	18.28	81
70. 2,2',3',4,6-Pentachlorobiphenyl	18.34	326
71. Merphos	18.36	209/153



Peak I.D.	RT	m/z
72. γ -Chlordane	18.88	373
73. Tetrachlorvinphos (aka Stirfos)	18.95	109
74. Butachlor	19.03	176/160
75. Pyrene-d10 (SS)	19.13	212
76. Pyrene	19.18	202
77. α -Chlordane	19.21	375/373
78. Endosulfan I	19.22	195
79. <i>trans</i> -Nonachlor	19.28	409
80. Fenamiphos	19.33	303/154
81. Napropamide	19.39	72
82. Tricyclazole	19.61	189
83. p,p'-DDE	19.76	246
84. DEF	19.84	57/169
85. 2,2',4,4',5,6'-Hexa-chlorobiphenyl	19.90	360
86. Dieldrin	19.92	79
87. Carboxin	19.97	143
88. Endrin	20.43	67/81
89. Chlorobenzilate	20.56	139
90. Endosulfan II	20.68	195
91. p,p'-DDD	20.77	235/165
92. Endrin aldehyde	21.01	67
93. Norflurazon	21.36	145

Peak I.D.	RT	m/z
94. Benzyl butyl phthalate	21.49	149
95. Endosulfan sulfate	21.53	272
96. p,p'-DDT	21.61	235/165
97. Hexazinone	21.68	171
98. <i>bis</i> (2-Ethylhexyl) adipate	21.87	129
99. Triphenylphosphate (SS)	21.98	326/325
100. Endrin ketone (breakdown product)	22.52	67/317
101. 2,2',3,3',4,4',6-Hepta-chlorobiphenyl	22.59	394/396
102. Benz[a]anthracene	22.66	228
103. Chrysene-d12 (IS #3)	22.68	240
104. 2,2',3,3',4,5',6,6'-Octa-chlorobiphenyl	22.70	430/428
105. Methoxychlor	22.73	227
106. Chrysene	22.74	228
107. <i>bis</i> (2-Ethylhexyl) phthalate	23.10	149
108. Fenarimol	23.80	139
109. <i>cis</i> -Permethrin	24.38	183
110. <i>trans</i> -Permethrin	24.50	183
111. Benzo[b]fluoranthene	25.06	252
112. Benzo[k]fluoranthene	25.12	252
113. Fluridone	25.66	328
114. Benzo[a]pyrene	25.67	252
115. Perylene-d12 (SS)	25.78	264
116. Ideno[1,2,3-cd]pyrene	27.63	276
117. Dibenz[a,h]anthracene	27.69	278
118. Benzo[g,h,i]perylene	28.11	276

