GC Application

ID No.: **20572**

Fast EPA Method 8270D on Zebron ZB-SemiVolatiles

Column: Zebron™ ZB-SemiVolatiles, GC Cap. Column 20 m x 0.18 mm x 0.36 µm, Ea

Phase: 5% Phenyl-Arylene 95% Dimethylpolysiloxane (Enviro-Inert)

Dimensions: 20 meters x 0.18 mm x 0.36 µm

Order No: 7FD-G027-53

Oven Profile: 40 °C for 0.5 min to 260 °C @ 40 °C/min to 295 °C @ 6 °C/min to 325 °C @ 25 °C/min for 2 min

Carrier Gas: Constant Flow Helium, 1.5 mL/min

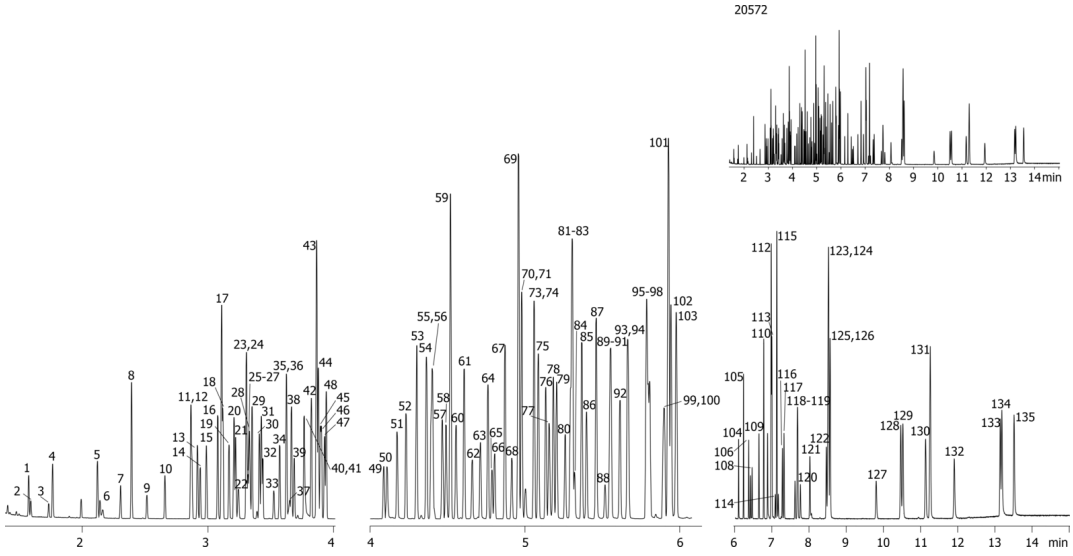
Injection: Split 10:1 1 µL @ 300°C

Detection: Mass Selective (MSD) (340°C)

Analyst Note: Analytes @ 25ppm in Dichloromethane
Pulsed Split injection @ 30 p.s.i.
Liner: AG0-8499 (Single Taper with Wool)
Septum: AG0-4697 (PhenoRed™-400)
Inlet Base Seal: AG0-8620 (Easy Seals™)

Products used in this application:

Zebron



For more information contact your Phenomenex Representative at support@phenomenex.com

Phenomenex products are available worldwide.

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ANALYTES:

1. 1,4-Dioxane-d8
2. 1,4-Dioxane
3. N-Nitrosodimethylamine
4. Pyridine
5. 2-Picoline
6. N-Nitrosomethylethylamine
7. Methyl methanesulfonate
8. 2-Fluorophenol
9. N-Nitrosodiethylamine
10. Ethyl methanesulfonate
11. Phenol-d5
12. Phenol
13. Aniline
14. bis(2-Chloroethyl)ether
15. 2-Chlorophenol
16. 1,3-Dichlorobenzene
17. 1,4-Dichlorobenzene-D4
18. 1,4-Dichlorobenzene
19. Benzyl alcohol
20. 1,2-Dichlorobenzene
21. 2-Methylphenol
22. bis(2-Chloro-1-methylethyl)ether
23. 3-Methylphenol
24. 4-Methylphenol
25. N-Nitrosopyrrolidine
26. N-Nitrosodi-n-propylamine
27. Acetophenone
28. N-Nitrosomorpholine
29. o-Toluidine
30. Hexachloroethane
31. Nitrobenzene-d5
32. Nitrobenzene
33. N-Nitrosopiperidine
34. Isophorone
35. 2-Nitrophenol
36. 2,4-Dimethylphenol
37. Benzoic acid
38. O,O,O-Triethylphosphorothioate
39. bis(2-Chloroethoxy)methane
40. 2,4-Dichlorophenol
41. alpha,alpha-Dimethylphenethylamine
42. 1,2,4-Trichlorobenzene
43. Naphthalene-d8
44. Naphthalene
45. 4-Chloroaniline
46. 2,6-Dichlorophenol
47. Hexachloropropene
48. Hexachlorobutadiene
49. N-Nitrosodi-n-butylamine
50. p-Phenylenediamine
51. 4-Chloro-3-methylphenol
52. Isosafrole
53. 2-Methylnaphthalene
54. 1-Methylnaphthalene
55. Hexachlorocyclopentadiene
56. 1,2,4,5-Tetrachlorobenzene
57. 2,4,6-Trichlorophenol
58. 2,4,5-Trichlorophenol
59. 2-Fluorobiphenyl
60. Safrole
61. 2-Chloronaphthalene
62. 2-Nitroaniline
63. 1,4-Naphthoquinone
64. Dimethyl phthalate
65. 1,3-Dinitrobenzene
66. 2,6-Dinitrotoluene
67. Acenaphthylene
68. 3-Nitroaniline
69. Acenaphthene-d10
70. 2,4-Dinitrophenol
71. Acenaphthene
72. 4-Nitrophenol
73. Pentachlorobenzene
74. 2,4-Dinitrotoluene
75. Dibenzofuran
76. 1-Naphthylamine
77. 2,3,4,6-Tetrachlorophenol
78. 2-Naphthylamine
79. Diethyl phthalate
80. Thionazin
81. 4-Chlorodiphenyl ether
82. Fluorene
83. 4-Nitroaniline
84. 2-Methyl-4,6-dinitrophenol
85. Diphenylamine
86. Azobenzene
87. 2,4,6-Tribromophenol
88. 1,3,5-Trinitrobenzene
89. Di-allate
90. Phorate
91. Phenacetin
92. 4-Bromophenyl phenyl ether
93. Hexachlorobenzene
94. Dimethoate
95. 4-Aminobiphenyl
96. Pentachloronitrobenzene
97. Pentachlorophenol
98. Pronamide
99. Dinoseb
100. Disulfoton
101. Phenanthrene-d10
102. Phenanthrene
103. Anthracene
104. Methyl parathion
105. Di-n-butyl phthalate
106. Parathion
107. 4-Nitroquinoline-1-oxide
108. Methapyrilene
109. Isodrin
110. Fluoranthene
111. Benzidine
112. Pyrene-d10
113. Pyrene
114. Aramite
115. p-Terphenyl-d14
116. p-Dimethylaminoazobenzene
117. Chlorobenzilate
118. o-Tolidine
119. Butyl benzyl phthalate
120. Kepone
121. 2-Acetylaminofluorene
122. 3,3'-Dichlorobenzidine
123. Benz[a]anthracene
124. Chrysene-d12
125. Chrysene
126. bis(2-Ethylhexyl)phthalate
127. Dioctyl phthalate
128. Benzo[b]fluoranthene
129. Benzo[k]fluoranthene
130. Benzo[a]pyrene
131. Perylene-d12