

GC Application

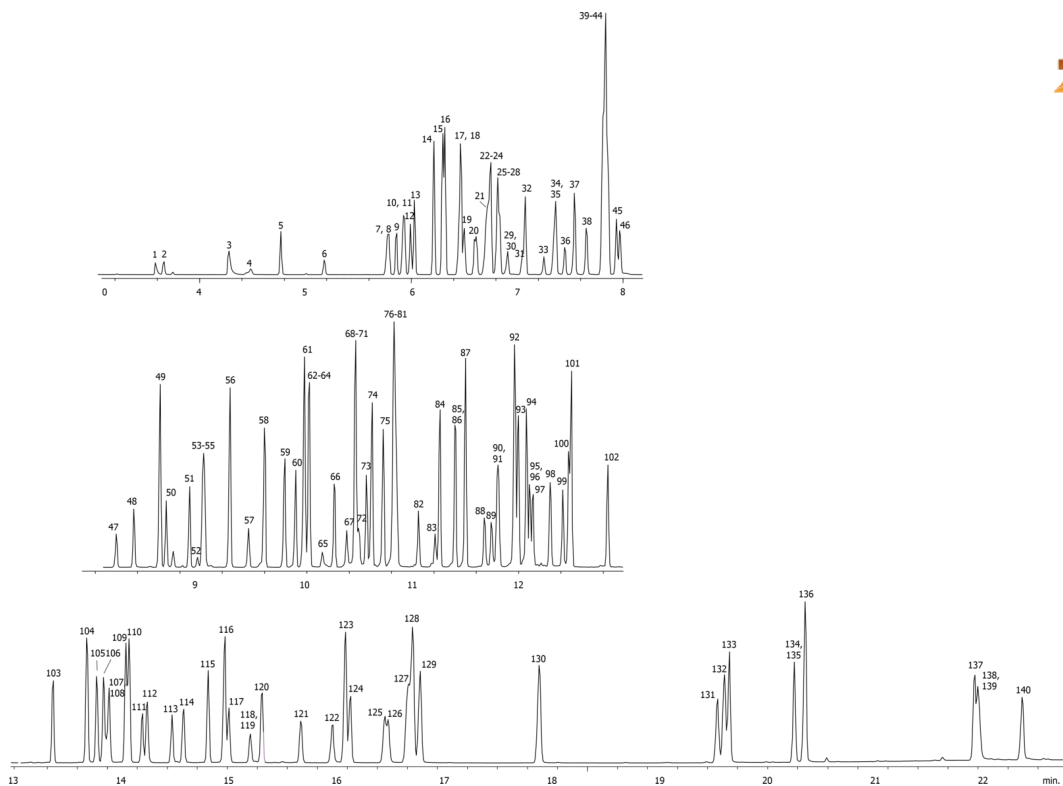
ID No.: 18785

EPA Method 8270C: Semivolatile Organics on ZB-XLB-HT

Column: Zebron™ ZB-XLB-HT, GC Cap. Column 30 m x 0.25 mm x 0.25 µm, Ea
Phase: Proprietary XLB Phase
Dimensions: 30 meters x 0.25 mm x 0.25 µm
Order No: 7HG-G024-11
Oven Profile: 40 °C for 1.5 min to 260 °C @ 20 °C/min to 290 °C @ 5 °C/min to 350 °C @ 25 °C/min for 2 min
Carrier Gas: Constant Flow Helium, 1 mL/min
Injection: Pulsed :1 1 µL @ 280°C
Detection: Mass Selective (MSD) (350°C)
Analyst Note: Analytes are 20ppm in dichloromethane



Products used in this application:



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ANALYTES:

| | | | | | |
|----|-----------------------------|----|----------------------------|-----|--------------------------------|
| 1 | Pyridine | 41 | Terpineol | 81 | Azobenzene |
| 2 | N-Nitrosodimethylamine | 42 | Hexachloro-1,3-butadiene | 82 | 2,4,6-Tribromophenol |
| 3 | 2-Picoline | 43 | Hexachloropropene | 83 | 2-Methyl-4,6-dinitrophenol |
| 4 | N-Nitrosomethylethylamine | 44 | Naphthalene | 84 | 4-Bromophenyl phenyl ether |
| 5 | 2-Fluorobiphenyl | 45 | 2,6-Dichlorophenol | 85 | n-Octadecane |
| 6 | N-Nitrosodiethylamine | 46 | p-Chloroaniline | 86 | alpha-BHC |
| 7 | Phenol-d5 | 47 | N-Nitrosodi-n-butylamine | 87 | Hexachlorobenzene |
| 8 | Phenol | 48 | 4-Chloro-3-methylphenol | 88 | 4-Aminobiphenyl |
| 9 | n-Decane | 49 | 2-Methylnaphthalene | 89 | Pentachlorophenol |
| 10 | Aniline | 50 | Hexachlorocyclopentadiene | 90 | gamma-BHC |
| 11 | Pentachloroethane | 51 | 1,2,4,5-Tetrachlorobenzene | 91 | Pentachloronitrobenzene |
| 12 | 2-Chlorophenol | 52 | 2,3-Dichloroaniline | 92 | Phenanthrene-d10 |
| 13 | bis(2-Chloroethyl)ether | 53 | 2,4,6-Trichlorophenol | 93 | Phenanthrene |
| 14 | 1,3-Dichlorobenzene | 54 | 2-Fluorophenol | 94 | Anthracene |
| 15 | 1,4-Dichlorobenzene-D4 | 55 | 2,4,5-Trichlorophenol | 95 | Dinoseb |
| 16 | 1,4-Dichlorobenzene | 56 | 2-Chloronaphthalene | 96 | 1,3,5-Trinitrobenzene |
| 17 | Benzyl alcohol | 57 | 2-Nitroaniline | 97 | b-BHC |
| 18 | 1,2-Dichlorobenzene | 58 | Dimethyl phthalate | 98 | Carbazole |
| 19 | o-Cresol | 59 | Acenaphthylene | 99 | delta-BHC |
| 20 | bis(2-Chloroisopropyl)ether | 60 | 2,6-Dinitrotoluene | 100 | Heptachlor |
| 21 | p-Cresol | 61 | Acenaphthene-d10 | 101 | Di-n-butyl phthalate |
| 22 | m-Cresol | 62 | Acenaphthene | 102 | Aldrin |
| 23 | 3-Methylphenol | 63 | 3-Nitroaniline | 103 | Heptachlor epoxide |
| 24 | Hexachloroethane | 64 | 1,3-Dinitrobenzene | 104 | Fluoranthene |
| 25 | Nitrosodi-n-propylamine | 65 | 4-Nitrophenol | 105 | gamma-Chlordane |
| 26 | N-Nitroso-di-n-propylamine | 66 | Pentachlorobenzene | 106 | alpha-Chlordane |
| 27 | o-Toluidine | 67 | 1-Naphthylamine | 107 | Benzidine |
| 28 | Acetophenone | 68 | Diethyl phthalate | 108 | Endosulfan I |
| 29 | N-Nitrosomorpholine | 69 | 2,3,4,6-Tetrachlorophenol | 109 | 4,4-â€™-DDE |
| 30 | N-Nitrosopyrrolidine | 70 | Diethyl phthalate | 110 | Pyrene |
| 31 | Nitrobenzene-d5 | 71 | 2,4-Dinitrophenol | 111 | p-Terphenyl-d14 |
| 32 | Nitrobenzene | 72 | 2-Naphthylamine | 112 | Dieldrin |
| 33 | N-Nitrosopiperidine | 73 | 2,4-Dinitrotoluene | 113 | p-Dimethylaminoazobenzene |
| 34 | Isophorone | 74 | 4-Chlorophenylphenylether | 114 | Endrin |
| 35 | 2,4-Dimethylphenol | 75 | Fluorene | 115 | 4,4-â€™-DDD |
| 36 | 2-Nitrophenol | 76 | N-Nitrosodiphenylamine | 116 | Butyl benzyl phthalate |
| 37 | bis(2-Chloroethoxy)methane | 77 | Azobenzene | 117 | Endosulfan II |
| 38 | 2,4-Dichlorophenol | 78 | Diphenylamine | 118 | Endrin aldehyde |
| 39 | 1,2,4-Trichlorobenzene | 79 | 4-Nitroaniline | 119 | 3,3'-Dimethylbenzidine |
| 40 | Naphthalene-d8 | 80 | 5-Nitro-o-toluidine | 120 | 4,4-â€™-DDT |
| | | | | 121 | Endosulfan sulfate |
| | | | | 122 | 2-Acetylaminofluorene |
| | | | | 123 | bis(2-Ethylhexyl)phthalate |
| | | | | 124 | Methoxychlor |
| | | | | 125 | Endrin ketone |
| | | | | 126 | 3,3'-Dichlorobenzidine |
| | | | | 127 | Benz[a]anthracene |
| | | | | 128 | Chrysene-d12 |
| | | | | 129 | Chrysene |
| | | | | 130 | Di-n-octyl phthalate |
| | | | | 131 | 7,12-Dimethylbenz[a]anthracene |

