

GC Application

ID No.: 20582

EPA Method 8270D on Zebron ZB-SemiVolatiles

Column: Zebron™ ZB-SemiVolatiles, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

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

Dimensions: 30 meters x 0.25 mm x 0.25 μm

Order No: 7HG-G027-11

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, 1.4 mL/min

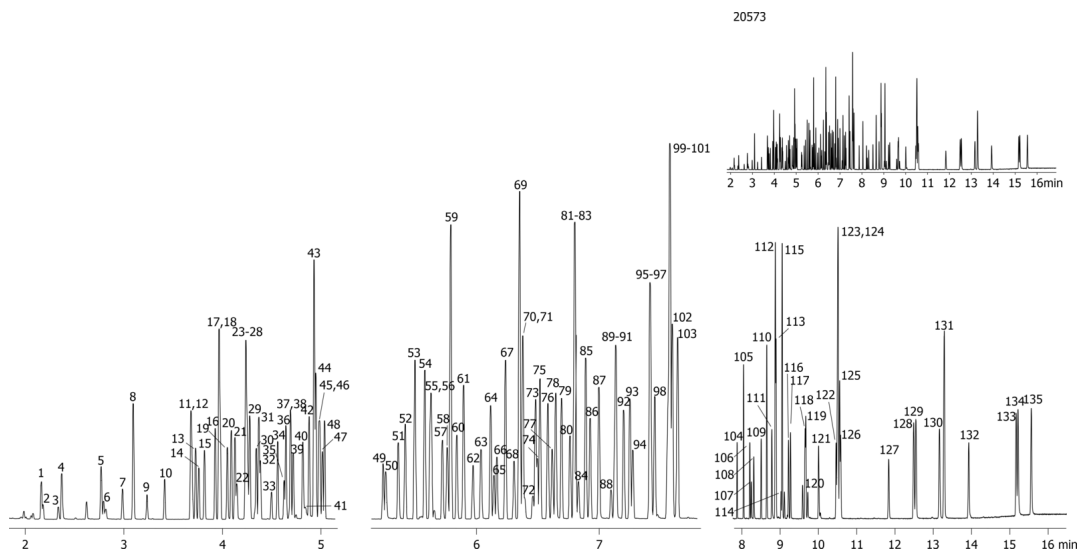
Injection: Split 10:1 1 μL @ 280°C

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

Analyst Note: Analytes @ 25ppm in Dichloromethane
Pulsed Split injection @ 25 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:



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ANALYTES:

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

