

## EPA Method 8270C: Semivolatile Organic Analysis on ZB-5MS

**Column:** Zebtron™ ZB-5MS, GC Cap. Column 20 m x 0.18 mm x 0.32 μm, Ea

**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane

**Dimensions:** 20 meters x 0.18 mm x 0.32 μm

**Order No:** 7FD-G010-51

**Oven Profile:** 45°C to 200°C at 20°C/min to 300°C at 25°C/min for 5.5 min

**Carrier Gas:** Constant Flow Helium, 1.2 mL/min

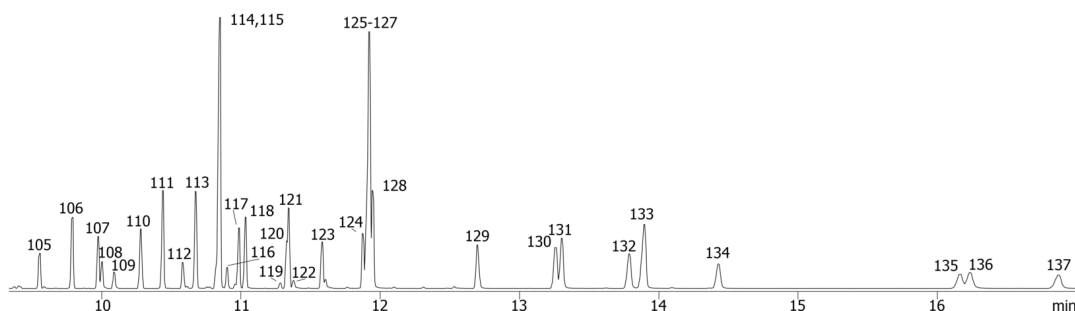
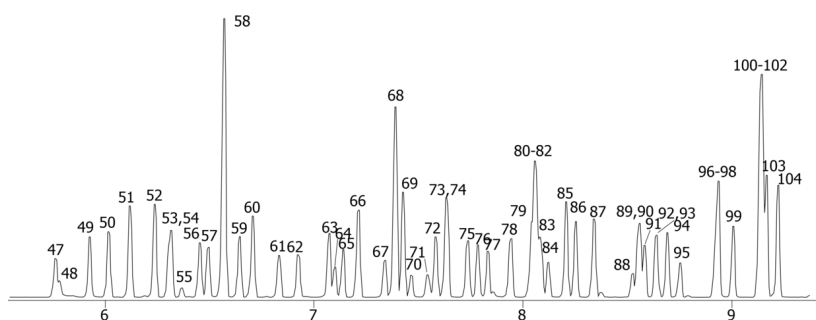
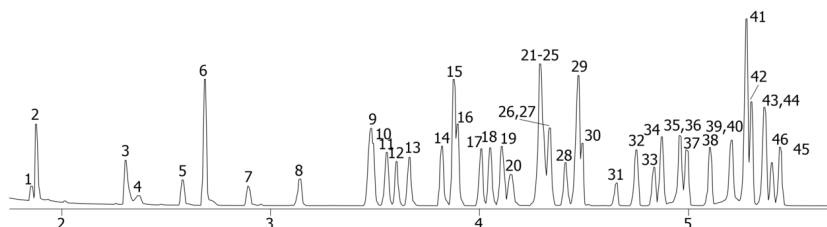
**Injection:** Splitless :1 1 μL @ 280°C

**Detection:** Mass Selective (MSD) (0°C)

15696



Products used in this application:



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## ANALYTES:

1	N-Nitrosodimethylamine	41	Naphthalene-d8	81	4-Chlorophenylphenylether
2	Pyridine	42	Naphthalene	82	2-Methyl-5-nitroaniline
3	2-Methylpyridine	43	4-Chloroaniline	83	4-Nitroaniline
4	N-Methyl-N-nitrosoethanamine	44	2,6-Dichlorophenol	84	4,6-Dinitro-2-methylphenol
5	Methylmethane sulfonate	45	Hexachloropropene	85	Diphenylamine
6	2-Fluorophenol	46	Hexachlorobutadiene	86	Azobenzene
7	N-Nitrosodiethylamine	47	N-Nitrosodibutylamine	87	2,4,6-Tribromophenol
8	Ethylmethanesulfonate	48	1,4-Diphenylenediamine	88	1,3,5-Trinitrobenzene
9	Phenol-d6	49	4-Chloro-3-methylphenol	89	Di-allate
10	Phenol	50	Isosafrole	90	Phorate
11	Aniline	51	2-Methylnaphthalene	91	Phenacetin
12	bis(2-Chloroethyl)ether	52	1-Methylnaphthalene	92	4-Bromophenylphenylether
13	2-Chlorophenol	53	Hexachlorocyclopentadiene	93	Di-allate
14	1,3-Dichlorobenzene	54	1,2,4,5-Tetrachlorobenzene	94	Hexachlorobenzene
15	1,4-Dichlorobenzene-d4	55	Safrole	95	Dimethoate
16	1,4-Dichlorobenzene	56	2,4,6-Trichlorophenol	96	Pentachlorophenol
17	Benzoyl alcohol	57	2,4,5-Trichlorophenol	97	Pentachloronitrobenzene
18	1,2-Dichlorobenzene	58	2-Fluorobiphenyl	98	4-Aminobiphenyl
19	2-Methylphenol	59	Safrole	99	Pronamide
20	Bis(2-Chloroisopropyl)ether	60	2-Chloronaphthalene	100	Phenanthrene-d10
21	4-Methylphenol	61	2-Nitroaniline	101	Dinoseb
22	3-Methylphenol	62	1,4-Naphthoquinone	102	Disulfoton
23	N-Nitrosopyrrolidine	63	Dimethyl phthalate	103	Phenanthrene
24	Acetophenone	64	1,3-Dinitrobenzene	104	Anthracene
25	N-Nitroso-di-n-propylamine	65	2,6-Dinitrotoluene	105	Methyl parathion
26	N-Nitrosomorpholine	66	Acenaphthylene	106	Di-n-butyl phthalate
27	o-Toluidine	67	3-Nitroaniline	107	Ethyl parathion
28	Hexachloroethane	68	Acenaphthene-d10	108	4-Nitroquinoline-n-oxide
29	Nitrobenzene-d5	69	Acenaphthene	109	Methapyrilene
30	Nitrobenzene	70	2,4-Dinitrophenol	110	Isodrin
31	N-Nitrosopiperidine	71	4-Nitrophenol	111	Fluoranthene
32	Isophorone	72	Pentachlorobenzene	112	Benzidine
33	2-Nitrophenol	73	2,4-Dinitrotoluene	113	Pyrene
34	2,4-Dimethylphenol	74	Dibenzofuran	114	Aramite
35	Triethylphosphorothioate	75	1-Naphthylamine	115	p-Terphenyl-d14
36	Benzoic acid	76	Tetrachlorophenol	116	Aramite
37	bis(2-Chloroethoxy)methane	77	2-Naphthylamine	117	Dimethylaminoazobenzene
38	2,4-Dichlorophenol	78	Diethyl phthalate	118	Chlorobenzilate
39	1,2,4-Trichlorobenzene	79	Thionazin	119	Famphur
40	Phentermine	80	Fluorene	120	3,3'-Dimethylbenzidine
				121	Benzyl butyl phthalate
				122	Kepone
				123	2-Acetylaminofluorene
				124	3,3'-Dichlorobenzidine
				125	Benz[a]anthracene
				126	Chrysene-d12
				127	bis(2-Ethylhexyl)phthalate
				128	Chrysene
				129	Di-n-octyl phthalate
				130	Benzo[b]fluoranthene
				131	Benzo[k]fluoranthene

