

GC Application

ID No.: 16184

Screening of Pesticides by GC-MS on ZB-MultiResidue-1

Column: Zebtron[™] ZB-MultiResidue[™]-1, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

Phase: Proprietary Pesticides Phase

Dimensions: 30 meters x 0.25 mm x 0.25 μm

Order No: 7HG-G016-11

Oven Profile: 80 °C for 0.5 min to 150 °C at 10 °C/min to 240 °C at 4 °C/min to 320 °C at 15 °C/min for 3 min

Carrier Gas: Constant Flow Helium, 0.9 mL/min

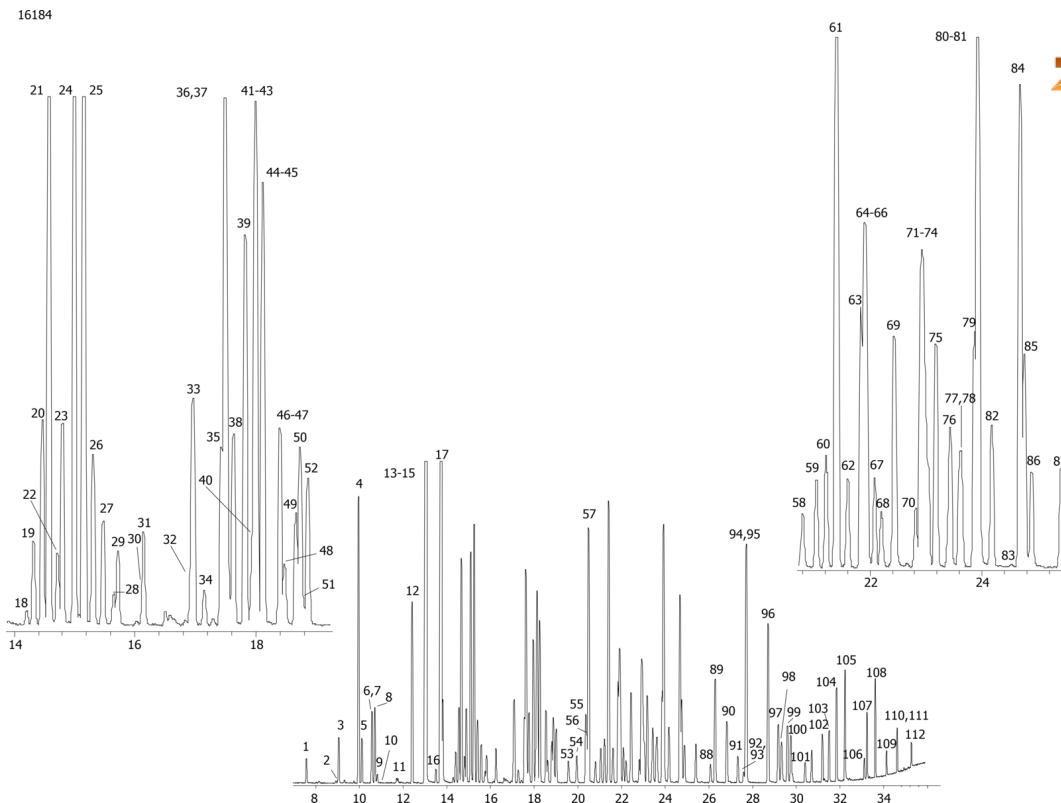
Injection: Splitless :1 1 μL @ 260°C

Detection: Mass Selective (MSD) (320°C)

Analyst Note: Analytes were 1 ppm in Dichloromethane.



Products used in this application:



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ANALYTES:

1	Dichlorvos	41	Simazine	81	Parathion
2	DEET	42	Propazine	82	MGK-624
3	EPTC	43	Atrazine	83	Merphos
4	3,5-Dichlorobenzoic acid (methyl ester)	44	Diazinon	84	Pendimethalin
5	Butylate	45	Dioxathion	85	Diphenamide
6	4-Nitrophenol (methyl ester)	46	Terbutylazine	86	MGK-264
7	Vernolate	47	Fonofos	87	Clofenvinfos
8	Mevinphos	48	Pronamide	88	Crotoxyphos
9	Mevinphos	49	Chloramben methyl ester	89	Butachlor
10	Pebulate	50	2,4,5-T Methyl ester	90	Tetrachlorvinphos
11	Trichlorfon	51	Phosphamidon	91	Tokuthion
12	Dicamba methyl ester	52	Disulfoton	92	Napropamide
13	Molinate	53	Secbumetone	93	Fenamiphos
14	Tebuthiuron	54	Terbacil	94	Merphos oxide
15	MCPP (methyl ester)	55	Dinoseb methyl ester	95	Oxadiazon
16	Tetraethyl pyrophosphate (methyl ester)	56	Dichlofenthion	96	Oxyfluorfen
17	MCPA (methyl ester)	57	2,4-DB methyl ester	97	Carboxin
18	Demeton	58	Phosphamidon	98	Tricyclazole
19	Thionazin	59	Chlorpyrifos methyl	99	Acifluorfen
20	Dichlorprop methyl ester	60	Alachlor	100	Ethion
21	Propachlor	61	Bentazon (methyl ester)	101	Fensulfothion
22	Cycloate	62	Ronnel	102	Carbofenthothion
23	Ethoprop	63	Prometryn	103	Famphur
24	Trifluralin	64	Methyl parathion	104	Norflurazon
25	Benefin	65	Ametryn	105	Hexazinone
26	2,4-D methyl ester	66	Simetryn	106	EPN
27	Sulfotep	67	Aspon	107	Phosmet
28	Naled	68	Metribuzin	108	Leptophos
29	Chlorpropham	69	Terbutryn	109	Azinphos-methyl
30	Dicrotophos	70	Malathion	110	Fenarimol
31	Phorate	71	Fenitrothion	111	Azinphos ethyl
32	Monocrotophos	72	Picloram methyl ester	112	Coumaphos
33	Pentachlorophenol (methyl ester)	73	Metolachlor		
34	Demeton	74	Chlorpyrifos		
35	Atraton	75	Dacthal		
36	Profluralin	76	Bromacil		
37	Prometon	77	Fenthion		
38	Silvex methyl ester	78	Trichloronate		
39	Terbufos	79	Triadimeton		
40	Dimethoate	80	Isopropalin		

