

Screening of 535 Pesticides by QuEChERS and LC/MS/MS

Column: Synergi™ 2.5 µm Fusion-RP 100 Å, LC Column 50 x 2 mm, Ea

Dimensions: 50 x 2 mm ID

Order No: 00B-4423-B0

Elution Type: Gradient

Eluent A: Water/Methanol (90:10) + 5 mM ammonium formate

Eluent B: Methanol/Water (90:10) + 5 mM ammonium formate

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	1	100	0
	3	15	0	100
	4	18	0	100
	5	18,05	100	0
	6	20	100	0

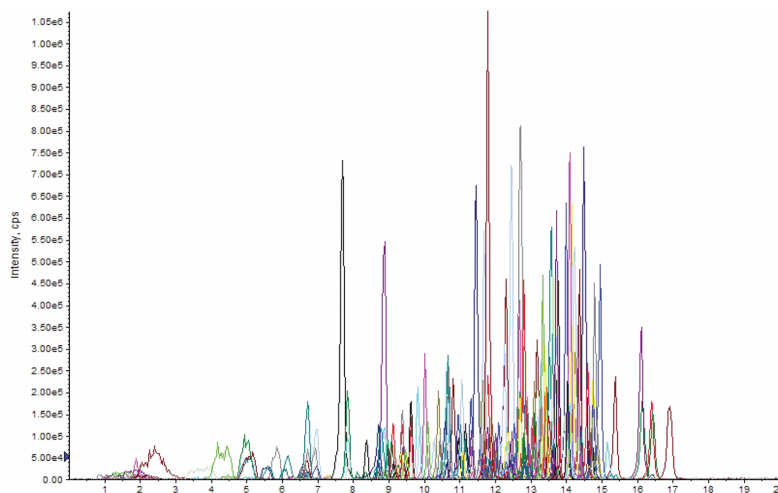
Flow Rate: 0,4 mL/min

Col. Temp.: 40 °C

Detection: Tandem Mass Spec (MS-MS) @ (400 °C)

Detector Info: AB Sciex API 3200™

Analyst Note: Phenomenex SecurityGuard Guard Cartridge kit (P/N KJ0-4282) with C18 4 x 2.0 mm cartridge (P/N AJ0-4286)



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ANALYTES:

1 Aminopyralid	41 Monocrotophos	81 Clethodim-imin-sulfoxide
2 Glufosinate	42 5-Hydroxy-imidacloprid	82 Isocarbamid
3 Maleic hydrazide	43 Imidacloprid-Olefin	83 Atrazine-desethyl
4 Amitrol	44 Benazolin	84 Cymoxanil
5 Daminozide	45 Pymetrozine	85 Diflufenzopyr
6 Prohexadione	46 Nicotine	86 Flazasulfuron
7 Ethylenthiourea	47 Thiofanox-sulfoxide	87 Oxasulfuron
8 Clopyralid	48 2-Naphthyloxyacetic acid	88 Propoxycarbazone
9 Methamidophos (Monitor)	49 Ethiofencarb-sulfone	89 Carbendazim
10 Acephate	50 Imazaquin	90 Pyroxsulam
11 Imazapyr	51 Propamocarb	91 Dimetilan
12 Mesotrione	52 Fenuron	92 Sulfometuron-methyl
13 Methomyl-oxime	53 5-Hydroxy-clethodim-sulfone	93 Sulfosulfuron
14 Omethoate	54 Diquat	94 Clethodim-sulfone
15 Oxamyl-oxime	55 Ethiofencarb-sulfoxide	95 Clethodim-sulfoxide
16 Atrazine-desethyl-2-hydroxy	56 Metsulfuron-methyl	96 Triasulfuron
17 Cyromazine	57 Rimsulfuron	97 Atrazine-2-hydroxy
18 Aldoxycarb	58 Simazine-2-hydroxy	98 Thiacloprid
19 Aldicarb-sulfoxide	59 Thifensulfuron-methyl	99 Aldicarb
20 Dinotefuran	60 Dicrotophos	100 Foramsulfuron
21 Butocarboxim-sulfoxide	61 Trichlorfon	101 Mevinphos (Phosdrin)
22 Sulcotrione	62 Clothianidin	102 Tricyclazole
23 Butoxycarboxim	63 Metamitron	103 Tribenuron-methyl
24 Quinmerac	64 Dioxacarb	104 3-Keto-carbofuran
25 6-Chlor-3-phenyl-pyridazin-4-ol	65 Imidacloprid	105 Metoxuron
26 Nitenpyram	66 Imazethapyr	106 Halosulfuron-methyl
27 Flumetsulam	67 Thiofanox-sulfone	107 Iodosulfuron-methyl
28 Methomyl	68 Azimsulfuron	108 Metolcarb
29 Oxamyl	69 Chlorsulfuron	109 Desmethyl-pirimicarb
30 Fluroxypyr	70 Diamidafos	110 Ethametsulfuron-methyl
31 Flonicamid	71 Dimethoate	111 Paraoxon-methyl
32 Imazapic	72 Ethidimuron	112 Amicarbazone
33 Oxydemeton-methyl	73 5-Hydroxythiabendazole	113 Carbetamide
34 Demeton-S-methyl sulfone	74 Chloridazon	114 Flupyr-sulfuron-methyl
35 Thiamethoxam	75 Flucarbazone	115 Sebutylazine-desethyl
36 Formetanate	76 3-Hydroxycarbofuran	116 Thiabendazole
37 Amidosulfuron	77 Acetamiprid	117 Difenzoquat
38 Dicyclanil	78 Chlorthiamid	118 Mesosulfuron-methyl
39 Atrazine-desisopropyl	79 Vamidothion (Vamidoate)	119 Monuron
40 Thienicarbazone-methyl	80 Clethodim-imin-sulfone	120 Pyroquilon
		121 Metribuzin
		122 Oxadixyl
		123 Fuberidazole
		124 Penoxsulam
		125 Quinoclamine
		126 Bromacil
		127 Carbofuran
		128 Demeton-S-methyl
		129 Dichlorvos (DDVP)
		130 Phosphamidon
		131 TEBP

