

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

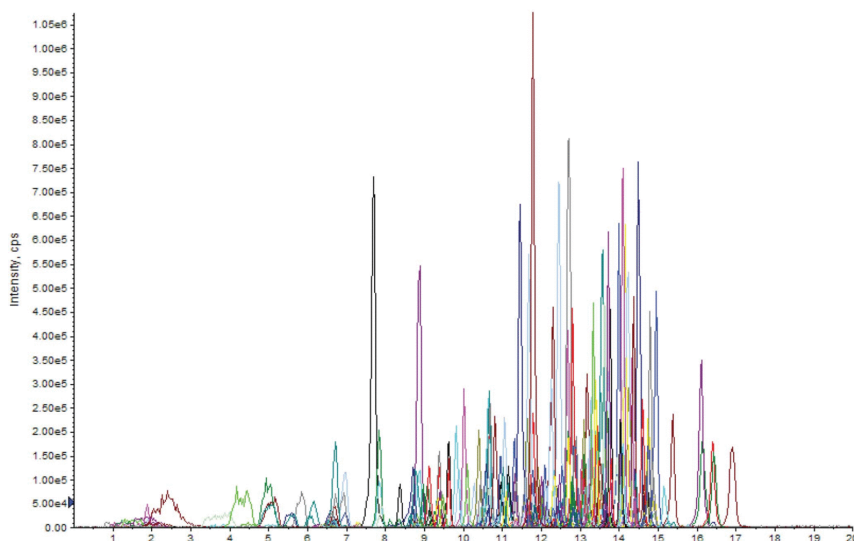
Flow Rate: 0.4 mL/min

Col. Temp.: 40 °C

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

Detector Info: <a target="_blank"

Analyst Note: href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX
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	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
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	Sebuthylazine-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	119	Monuron
40	Thiencarbazone-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
				130	Phosphamidon
				131	TERP

