

1 **S2 Table. MRM transition and optimized parameters for the pesticides analyzed**
 2 **by GC-MS/MS with positive EI ionization.**

ID	Precursor Ion (g/mol)	Product Ion (g/mol)	Dwell time (msec)	Collision Energy (v)	Retention time (min)
Aldrin	263	193	60	30	18.42
	263	191	60	30	
	217	173.1	10	15	
Azaconazole	217	145	10	35	24.53
	217	109.1	10	35	
	292.1	264	10	10	
Benfluralin	292.1	160.1	10	20	11.66
	292.1	105.2	10	15	
	154	102	15	30	
Biphenyl	153.9	153.2	15	20	7.08
	153.9	152.2	15	25	
	358.7	242.2	10	20	
Bromocyclen	358.7	143.1	10	20	15.11
	358.7	242.2	10	20	
Bromocyclen	358.7	143.1	10	20	15.11
	358.7	143.1	10	20	
Bromophos-ethyl	358.9	284.8	10	35	22.47
Bromophos-ethyl	358.7	331	10	4	
Bromophos-ethyl	358.7	303	10	14	
Bromophos-methyl	330.9	315.9	10	20	20.00
Bromophos-methyl	330.9	285.9	10	34	
Bromophos-methyl	329	314	10	12	
Bromopropylate	341	185	10	20	28.64
Bromopropylate	341	183	10	20	
Bromopropylate	183	155	10	15	
Bromopropylate	183	76	10	35	28.02
Captafol	151	80	10	10	
Captafol	151	79	10	15	
Captafol	79	77	10	10	21.18
Captan	151	80	10	10	
Captan	151	79	10	15	
Captan	79	77	10	10	21.86
Chinomethionat	234	206	10	10	
Chinomethionat	206	148	10	15	
Chinomethionat	234	206	10	10	21.86
Chinomethionat	206	148	10	15	
Chlorbenside	267.9	125	10	8	
Chlorbenside	124.9	99	10	20	
Chlorbenside	124.9	89.1	10	20	
Chlorbenside	267.9	125	10	8	21.78
Chlorbenside	124.9	99	10	20	
Chlorbenside	124.9	89.1	10	20	
Chlordane, cis-	372.7	266.1	10	25	22.76
Chlordane, cis-	272	237	10	20	
Chlordane, trans-	372.7	266.1	10	25	
Chlordane, trans-	372.7	264.1	10	25	21.96
Chlorfenapyr	408	59	10	10	
Chlorfenapyr	247	227	10	15	

Chlorfenapyr	247	197	10	20	
Chlorfenprop-methyl	195.9	164.8	15	10	9.94
Chlorfenprop-methyl	195.9	124.9	15	30	
Chlorfenson	301.8	111.1	10	22	23.29
Chlorfenson	174.8	111.1	10	10	
Chlorflurenol-methyl	274	215	10	5	
Chlorflurenol-methyl	215	187	10	12	22.04
Chlorflurenol-methyl	215	152	10	24	
Chlorflurenol-methyl	274	215	10	5	
Chlorflurenol-methyl	215	187	10	12	22.04
Chlorflurenol-methyl	215	152	10	24	
Chlormefos	233.8	121.1	15	5	
Chlormefos	154	93.1	15	10	7.71
Chlormefos	154	65	15	15	
Chlorobenzilate	253	141	10	10	
Chlorobenzilate	139	111	10	15	25.40
Chlorobenzilate	139	75	10	30	
Chlorobenzilate	251	139	10	12	
Chloroneb	191	141	20	10	8.64
Chloroneb	191	113	20	15	
Chlorpropham	213	171	10	5	11.03
Chlorpropham	213	127	10	5	
Chlorpropylat	250.9	139.1	10	15	25.40
Chlorpropylat	250.9	111.1	10	35	
Chlorpyrifos-methyl	286	270.9	10	20	16.53
Chlorpyrifos-methyl	286	93	10	20	
Chlorthal-dimethyl	301	223	10	25	19.38
Chlorthal-dimethyl	299	221	10	25	
Chlorthalonil	265.9	231	10	15	
Chlorthalonil	265.9	133	10	40	14.79
Chlorthalonil	263.8	168	10	25	
Chlorthalonil	265.9	231	10	15	
Chlorthalonil	265.9	133	10	40	14.79
Chlorthalonil	263.8	168	10	25	
Chlorthion	297	125.1	10	10	19.69
Chlorthion	297	109	10	10	
Chlozolate	330.8	259.1	10	5	21.31
Chlozolate	188.1	147.1	10	15	
Cycloate	154	83.2	15	5	10.69
Cycloate	154	71.9	15	5	
DDD, o,p'-	237	165	10	20	
DDD, o,p'-	235	199.1	10	15	24.33
DDD, o,p'-	235	165	10	20	
DDD, p,p'-	237	165	10	25	
DDD, p,p'-	235	199.1	10	20	25.69
DDD, p,p'-	235	165	10	20	
DDE, o,p'-	248	176	10	30	
DDE, o,p'-	246	211	10	20	22.43
DDE, o,p'-	246	176	10	30	
DDE, p,p'-	248	176	10	30	
DDE, p,p'-	246	176	10	30	24.00
DDE, p,p'-	246	175.1	10	20	
DDT, o,p'-	237	165	10	20	25.57
DDT, o,p'-	235	199.1	10	20	

DDT, o,p'-	235	165	10	20	
DDT, p,p'-	237	165	10	20	
DDT, p,p'-	235	199	10	20	26.99
DDT, p,p'-	235	165	10	20	
Desmetryn	212.9	198.3	10	10	
Desmetryn	212.9	141.2	10	15	15.96
Desmetryn	212.9	58.2	10	10	
Di-allate I + II	234	192	10	10	11.87
Di-allate I + II	234	150	10	20	
Diazinon	304	179	10	15	
Diazinon	179.1	137.2	10	20	14.39
Diazinon	179.1	121.1	10	40	
Diazinon	304	179	10	15	
Diazinon	179.1	137.2	10	20	14.39
Diazinon	179.1	121.1	10	40	
Dichlobenil	171	136	15	15	6.73
Dichlobenil	171	100	15	30	
Dicloran	205.9	175.9	10	5	
Dicloran	205.9	123.9	10	25	12.56
Dicloran	175.9	148	10	5	
Dicloran	175.9	140	10	10	
Dicloran	205.9	175.9	10	5	
Dicloran	205.9	123.9	10	25	12.56
Dicloran	175.9	148	10	5	
Dicloran	175.9	140	10	10	
Dicofol, o,p-	251	139	15	15	
Dicofol, o,p-	139	111	15	18	17.57
Dicofol, o,p-	139	75	15	30	
Dicofol, p,p-	251	139	10	15	
Dicofol, p,p-	139	111	10	18	19.16
Dicofol, p,p-	139	75	10	30	
Dieldrin	262.8	228	10	30	
Dieldrin	262.8	193	10	30	23.80
Dieldrin	262.8	191	10	30	
Dinobuton	211	117.1	10	15	20.75
Dinobuton	211	89.1	10	30	
Diphenylamine	169	168	15	15	
Diphenylamine	169	167	15	20	10.48
Diphenylamine	169	141	15	20	
Endosulfan (alpha isomer)	241	206	10	15	
Endosulfan (alpha isomer)	229	194	10	10	22.55
Endosulfan (alpha isomer)	195	159	10	5	
Endosulfan (beta isomer)	238.8	204	10	15	
Endosulfan (beta isomer)	229	194	10	10	25.15
Endosulfan (beta isomer)	195	159	10	10	
Endosulfan sulfate	387	253	10	5	
Endosulfan sulfate	271.9	237	10	20	26.76
Endosulfan sulfate	271.9	117	10	40	
Endrin	281	245	10	20	
Endrin	263	193	10	35	24.70
Endrin	263	191	10	35	
Etaconazole	244.9	191.1	10	5	25.75
Etaconazole	244.9	172.9	10	15	

Etaconazole	172.8	145	10	15	
Etaconazole	172.8	109.2	10	30	
Etridiazole	210.9	182.9	15	5	
Etridiazole	183	108	15	40	7.92
Etridiazole	182.9	139.9	15	15	
Fenchlorphos	285	93	15	25	
Fenchlorphos	284.9	269.9	15	15	17.27
Fenchlorphos	284.9	239.9	15	35	
Fenitrothion	277	260	15	5	
Fenitrothion	276.8	260	15	5	
Fenitrothion	276.8	125	15	15	
Fenitrothion	277	260	60	5	
Fenitrothion	276.8	260	60	5	
Fenitrothion	276.8	125	60	15	
Fenson	268	141	10	5	
Fenson	141	77.1	10	5	19.60
Fenvalerat (RR + SS)	225	119	70	15	
Fenvalerat (RR + SS)	167	125	70	10	34.79
Fenvalerat (RR + SS)	167	89	70	40	
Fenvalerat (RS + SR)	225	119	70	15	
Fenvalerat (RS + SR)	167	125	70	10	34.37
Fenvalerat (RS + SR)	167	89	70	40	
Fluchloralin	325.9	63	10	15	
Fluchloralin	306.1	206	10	15	14.59
Fluchloralin	306	264	10	5	
Flumethralin	360	314	10	16	
Flumethralin	143	117	10	20	23.25
Flumethralin	143	107	10	24	
Fluotrimazole	379	276	10	10	
Fluotrimazole	311	242	10	15	28.04
Fluotrimazole	311	165	10	20	
Folpet	260	130	10	15	
Folpet	147	103.1	10	5	24.56
Folpet	147	76	10	25	
Fonofos	246.1	137	10	5	
Fonofos	246	109.1	10	15	13.81
Genite	304	141.1	10	5	
Genite	302	141	10	5	22.94
Genite	141	77	10	5	
HCH alpha isomer	219	183	10	10	
HCH alpha isomer	219	145	10	20	12.03
HCH alpha isomer	181	145	10	15	
HCH beta isomer	219	183.1	10	10	
HCH beta isomer	219	145	10	20	13.25
HCH beta isomer	181	145.1	10	15	
HCH delta	219	183	10	10	
HCH delta	219	145	10	20	14.58
HCH delta	181	145	10	15	
HCH epsilon isomer	219	183	10	10	
HCH epsilon isomer	219	145	10	20	15.45
HCH epsilon isomer	181	145	10	15	
Heptachlor	274	239	10	20	
Heptachlor	271.9	236.8	10	25	16.71
Heptachlor	271.9	116.9	10	40	

Heptachlor epoxide, cis-	353	282	10	15	20.64
Heptachlor epoxide, cis	353	263	10	15	
Heptachlor epoxide, trans-	217	182	10	15	
Heptachlor epoxide, trans-	183	155	10	20	20.88
Heptachlor epoxide, trans-	183	119	10	30	
Hexachlorobenzene	283.9	248.8	10	25	12.31
Hexachlorobenzene	283.9	213.9	10	35	
Isocarbophos	230	212	10	8	19.56
Isocarbophos	136	108	10	14	
Isodrin	262.8	193	10	37	
Isodrin	192.9	157.1	10	25	19.94
Isodrin	192.9	123	10	35	
Isofenphos-oxon	228.9	201	10	8	19.67
Isofenphos-oxon	228.9	121	10	30	
Isopropalin	280	238	10	10	20.62
Isopropalin	280	118.2	10	30	
Jodfenphos	376.9	361.9	10	20	23.53
Jodfenphos	376.9	93	10	35	
Leptophos	171	124	10	10	29.75
Leptophos	171	77	10	25	
Lindane	218.8	183	10	5	
Lindane	181	109	10	30	13.39
Lindane	180.9	145	10	12	
Methoxychlor	227	169	10	25	28.89
Methoxychlor	227	141	10	32	
Methyl parathion	263	109.1	10	15	16.54
Methyl parathion	263	79.1	10	30	
Mirex	272	237	10	15	
Mirex	272	235	10	25	29.84
Mirex	272	117	10	40	
Naled	185	109	15	15	
Naled	145	109	15	25	5.81
Naled	109	79	15	5	
Nitrofen	282.9	253	10	10	
Nitrofen	282.9	202.1	10	10	24.86
Nitrofen	282.9	162	10	25	
Nitrothal-isopropyl	235.9	194.1	10	5	19.80
Nitrothal-isopropyl	235.9	148.1	10	20	
Oxychlorane	387	263	10	14	
Oxychlorane	187	151	10	4	20.69
Oxychlorane	185	149	10	4	
Paclobutrazol	236	167	10	20	22.52
Paclobutrazol	236	125	10	20	
Pentachloroaniline	265	194	10	20	15.50
Pentachloroaniline	265	158	10	35	
Pentachloroanisole	264.8	143	10	35	12.52
Pentachloroanisole	264.8	117.1	10	35	
Pentachlorobenzene	250	213	20	15	
Pentachlorobenzene	249.9	214.9	20	20	8.90
Pentachlorobenzene	249.9	142	20	40	
Perthane	222.8	179.2	10	20	25.12
Perthane	222.8	165.3	10	25	
Phenkapton	375.7	153	10	5	28.90

Phenkapton	191	155	10	20	
Phenylphenol, o-	170	141.2	20	20	
Phenylphenol, o-	170	115.1	20	35	8.79
Phenylphenol, o-	169	115	20	35	
Phosphamidon II	264	127	10	15	16.18
Phosphamidon II	127	109	10	10	
Phthalimid	147	104	15	20	
Phthalimid	147	103	15	20	
Procymidone	283	255	10	10	
Procymidone	283	96	10	10	21.91
Procymidone	283	67.1	10	40	
Procymidone	283	255	10	10	
Procymidone	283	96	10	10	21.91
Procymidone	283	67.1	10	40	
Profluralin	318.1	237.9	10	15	13.97
Profluralin	318.1	199.1	10	10	
Propachlor	176	92	15	20	
Propachlor	120.1	92.1	15	5	10.30
Propachlor	120.1	77.1	15	20	
Propanil	217	161	10	8	
Propanil	161	126	10	15	16.15
Propanil	161	99	10	25	
Propanil	161	90.1	10	20	
Propanil	217	161	15	8	
Propanil	161	126	15	15	16.15
Propanil	161	99	15	25	
Propanil	161	90.1	15	20	
Quintozene	237	143	10	30	
Quintozene	237	119	10	30	13.61
Quintozene	295	237	10	20	
Spiromesifen	370	272	10	5	
Spiromesifen	273	255	10	10	28.38
Spiromesifen	272	254	10	5	
S421	130	95	15	20	17.28
S421	130	60.1	15	35	
TDCPP	381	159	10	12	
TDCPP	381	123	10	24	26.78
TDCPP	321	99	10	10	
Tecnazene	215	179	15	15	
Tecnazene	203	83.1	15	25	10.20
Tecnazene	202.9	143	15	20	
Tefluthrin, cis-	177	137	10	15	14.99
Tefluthrin, cis-	177	127	10	15	
Terbacil	161	144	10	10	14.68
Terbacil	161	88.1	10	20	
Terbacil	161	144	10	10	14.68
Terbacil	161	88.1	10	20	
Tetradifon	355.7	159	10	10	29.41
Tetradifon	353.7	159	10	10	
cis-1,2,3,6-Tetrahydrophthalimid	151	80	20	10	8.27
cis-1,2,3,6-Tetrahydrophthalimid	151	79	20	15	
Tetrasul	323.8	253.8	10	25	26.06
Tetrasul	251.8	217.2	10	25	

Tetrasul	251.8	182.2	10	35	
Triadimenol	168	70	10	10	22.04
Triadimenol	128	65	10	20	
Triadimenol	168	70	10	10	22.04
Triadimenol	128	65	10	20	
Tri-allate	269.9	186	10	20	14.88
Tri-allate	267.9	184	10	20	
Trichloronate	296.8	269.2	10	10	19.76
Trichloronate	296.8	223	10	35	
Trifluralin	306	264	10	10	11.58
Trifluralin	263.9	160.1	10	15	
Triphenyl phosphate	326.1	233	10	10	
Triphenyl phosphate	326	169	10	30	27.72
Triphenyl phosphate	326	77	10	30	
Vinclozolin	284.8	213	10	10	
Vinclozolin	212	172	10	15	16.57
Vinclozolin	212	145	10	20	
Zoxamide	258	187	10	15	28.07
Zoxamide	258	159	10	30	
Zoxamide	258	187	10	15	28.07
Zoxamide	258	159	10	30	

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