

Table S1 – Quantification and diagnostic ions used in GC-MS/MS analyses. The relative abundance of ions (m/z) for each target pesticide is between brackets.

Pesticides	Molecular mass g/mol	RT (min)	Target ion (t)	Q1 (%Q1/t)	Q2 (%Q2/t)	Q3 (%Q3/t)	Q 4 (%Q4/t)	Precursor	Products			EV	Ranges
PeCB	250.3	9.55	250	248 (65.1)	252 (66.1)			250 →	215	144		2.01	143-251
Trifluralin	335.3	10.90	264	306 (44.9)	206 (27.2)			264 →	206	160	188	1.05	159-265
Atrazine-desethyl	187.6	10.93	172	68 (32.2)	174 (29.2)			172 →	130	145	152	1.15	104-173
Propazine	229.7	11.66	214	172 (70.6)	187 (38.0)			214 →	200	172	138	1.20	137-215
HCB ^b	284.8	11.68	284	282 (46.4)	249 (41.2)			284 →	214	249		1.50	211-285
Dimethoate	229.3	11.77	87	93 (52.5)	125 (44.3)			87 →	86	59		1.10	53-88
Simazine ^a	201.6	11.88	201	186 (67.1)	173 (51.9)	44 (37.6)		201 →	186	174	138	1.20	135-201
<u>ATZ-ds</u>	220.7	11.95	205	220 (43.0)	178 (41.7)			205 →	127	137	105	1.25	104-206
Atrazine ^b	215.7	12.00	200	215 (56.8)	173 (36.9)			200 →	122	132	164	1.25	121-201
Lindane ^a	290.8	12.33	181	183 (76.6)	219 (69.3)			181 →	145	146		1.20	108-184
Terbutylazine	229.7	12.41	214	173 (71.8)	138 (27.3)	229 (24.3)		214 →	173	132		1.40	131-215
Propyzamide	256.1	12.45	173	175 (41.2)	254 (35.6)			173 →	138	145		1.10	130-174
Diazinon	304.4	12.46	137	179 (44.7)	304 (10.2)			179 →	121	163	137	1.35	110-180
Fonofos	246.3	12.51	137	109 (70.7)	246 (40.0)			137 →	109	81		0.85	80-138
Pirimicarb	238.4	13.10	166	238 (29.0)	72 (18.8)			166 →	96	137	121	1.35	95-167
Parathion-methyl	263.2	13.98	263	109 (67.9)	79 (44.7)	246 (43.5)		263 →	246	153		1.31	150-264
Alachlor ^a	269.8	14.01	188	160 (86.8)	146 (58.8)			160 →	132	130		1.10	116-161
Simetryn	213.3	14.10	213	170 (22.9)	155 (13.4)			213 →	170	185		1.10	151-214
Heptachlor ^b	373.3	14.25	272	274 (73.9)	270 (63.3)	100 (43.9)		272 →	237	235		1.05	236-275
Metribuzin	214.3	14.43	198	199 (29.8)				198 →	150	110		1.10	109-199
Terbutryn	241.4	14.67	185	226 (68.0)	170 (45.2)			185 →	170	128		0.90	127-186
Fenitrothion	277.2	14.71	260	109 (83.4)	125 (77.4)	277 (41.8)		260 →	228	217	232	1.20	160-261
Malathion	330.4	14.95	125	127 (90.9)	99 (73.2)	173 (40.2)		173 →	99	117	145	0.80	92-173
Metolachlor	283.8	15.12	162	238 (36.7)	163 (15.1)			162 →	132	133		1.15	115-163
Chlorpyrifos	350.6	15.19	314	316 (72.3)	258 (67.3)	199 (46.8)	197 (41.4)	314 →	258	286		0.90	257-315
Cyanazine	240.7	15.26	225	212 (59.4)	198 (35.2)	68 (32.8)		225 →	189	172	198	1.28	171-226
Aldrin ^a	364.9	15.35	263	261 (92.7)	265 (65.6)	66 (57.2)		263 →	193	191	227	1.60	190-264
Parathion-ethyl	291.3	15.38	291	109 (79.0)	263 (61.0)	97 (57.2)	141 (47.0)	109 →	81	91		0.99	60-110
Pendimethalin	281.3	16.27	252	162 (61.3)	191 (28.9)			252 →	162	191		1.00	160-253
Chlorfenvinphos Z	359.6	16.53	267	269 (52.9)	323 (51.5)			267 →	159	203		1.50	158-268
Heptachlor epoxid	389.3	16.53	353	355 (66.0)	351 (44.4)	81 (25.7)		353 →	263	282		1.10	262-354
Procyimdone	284.1	16.86	96	283 (85.3)	285 (29.0)			96 →	67	68		1.00	64-97
Chlordane (gamma)	338.9	17.28	375	373 (93.8)	377 (59.9)			373 →	266	264		1.20	263-374
Tetrachlorvinphos	366.0	17.40	329	331 (90.4)	109 (51.3)	333 (32.8)		329 →	314	278		1.30	219-330
Endosulfan (beta)	406.9	17.70	241	195 (72.7)	243 (71.2)	207 (54.0)		241 →	206	204	170	1.45	165-242
Fenamiphos	303.4	17.87	303	243 (62.4)	217 (54.9)	288 (42.9)	154 (40.6)	303 →	268	266		1.10	175-304
4,4'-DDE	318.0	18.40	246	248 (58.6)	318 (31.9)	316 (29.3)		246 →	176	175		1.70	174-247
Dieldrin ^a	380.9	18.60	79	263 (93.1)	237 (43.5)			79 →	51	50		1.10	49-80
Endosulfan (alpha)	406.9	18.60	241	195 (78.2)	237 (70.8)	243 (65.5)		241 →	206	205		1.45	165-242
Endrin ^b	380.9	18.61	243	263 (99.0)	281 (68.4)	81 (47.4)		243 →	207	173		1.15	172-244
4,4'-DDD	320.0	19.84	235	237 (64.2)	165 (61.7)			235 →	165	199		1.15	162-236
Endosulfan sulfate	422.9	20.95	272	237 (68.0)	274 (60.5)	387 (47.9)		272 →	237	235		1.10	234-273
<u>DDT-ds</u>	362.5	21.03	220	243 (62.6)	280 (57.8)			243 →	173	206		1.15	172-244
4,4'-DDT	354.5	21.11	235	237 (64.2)	212 (59.0)	165 (44.0)		235 →	165	199		1.15	117-236
Methoxychlor ^b	345.7	23.08	227	228 (16.5)	274 (15.4)			227 →	169	181		1.30	140-228
Azinphos-methyl	317.3	23.85	77	132 (88.0)	104 (43.4)	160 (32.9)		77 →	51	50		1.30	49-78
Tebuconazole	307.8	24.44	250	125 (80.6)	163 (44.4)			125 →	89	99		1.60	62-126
Cyhalofop-butyl	357.4	24.44	256	357 (72.6)	229 (41.1)	120 (31.0)		256 →	228	200		1.13	199-257
Mirex	545.5	24.71	272	274 (73.3)	237 (62.7)			272 →	237	235		1.13	234-273
Cyhalothrin (lamb)	449.9	24.73	181	141 (45.8)	197 (42.1)			181 →	152	151		1.50	120-182
Cyfluthrin (beta)	434.3	27.71	206	199 (76.9)	91 (70.9)	226 (55.0)	227 (42.2)	199 →	193	191	163	1.80	190-200
Cypermethrin (alp)	416.3	28.24	181	91 (76.3)	163 (75.0)	165 (47.3)		181 →	152	151		1.70	150-153/179-182
Difenoconazol	406.3	31.25	265	267 (89.9)	323 (68.5)	325 (62.2)		323 →	265	249		1.35	245-266/321-324
Deltamethrin [*]	505.2	32.00	181	207 (61.4)	253 (58.7)			181 →	152	151		1.70	150-153/179-182

Internal standards ; ^a Compounds present on the mix A (EPA 505/525); ^b Compounds present on the mix B (EPA 505/525); ^{*} Contain several diastereoisomers