

Supplementary Table S1: Mass spectrometry parameters and instrumental limits of quantification of the 150 pesticides included in the multiresidue method.

Compound	RT	Target m/z	CE1	Ref. m/z	CE2	Instrumental LOQ (µg/Kg)		
						Tomato	Pepper	Zucchini
(E)-Chlorfenvinphos	5.94	323.00>267.00	16	267.00>159.00	18	5	10	5
(E)-Pyrifenox	5.88	262.00>91.00	16	262.00>227.00	10	5	10	10
(Z)-Pyrifenox	6.19	262.00>91.00	16	262.00>227.00	10	10	10	20
2-Phenylphenol	3.35	170.10>141.10	24	170.10>115.10	28	2	5	5
Acrinathrin	8.87	181.10>152.10	26	289.10>93.00	14	5	5	5
Alachlor	5.03	160.10>132.10	10	188.10>160.10	10	2	5	5
alpha-Endosulfan	6.27	194.90>160.00	8	194.90>125.00	24	5	5	5
Ametryn	5.04	227.10>185.10	6	227.10>170.10	14	2	2	2
Anthraquinone	5.42	180.10>152.10	14	208.10>180.10	10	2	2	2
Atrazine	4.23	215.10>173.10	6	200.10>104.10	18	2	2	5
Benalaxyl	7.37	148.10>105.10	16	148.10>79.10	24	10	5	20
beta-Endosulfan	6.94	194.90>160.00	8	194.90>125.00	24	5	2	5
Bifenox	8.27	340.90>309.90	10	309.90>188.90	12	20	50	10
Bifenthrin	8.10	181.10>166.10	12	181.10>179.10	12	2	2	2
Boscalid	9.84	140.10>112.10	12	140.10>76.00	24	2	2	2
Bromopropylate	8.07	340.90>182.90	18	340.90>184.90	20	2	5	10
Bupirimate	6.72	273.10>108.10	16	273.10>193.10	8	2	5	5
Buprofezin	6.66	172.10>57.00	14	175.10>132.10	12	5	2	10
Butralin	5.65	266.10>190.10	12	266.10>236.10	8	5	5	5
Cadusafos	3.96	158.90>130.90	8	158.90>97.00	18	2	2	2
Carbophenothion	7.34	157.00>45.00	18	341.90>157.00	14	5	5	5
Chinomethionat	6.11	234.00>206.00	8	206.00>148.00	16	2	5	2
Chlorfenapyr	6.86	247.10>227.00	16	247.10>200.00	24	20	20	20
Chlorobenzilate	6.93	139.00>111.00	16	251.00>139.00	14	2	2	2
Chlorothalonil	4.62	263.90>168.00	24	263.90>228.80	18	2	2	5
Chlorpropham	3.80	127.10>65.00	22	213.10>171.10	6	2	2	2
Chlorpyrifos	5.47	196.90>168.90	14	313.90>257.90	14	2	2	2
Chlorpyrifos-methyl	4.95	285.90>93.00	22	285.90>270.90	14	2	2	2
Chlorthal-dimethyl	5.53	298.90>220.90	24	300.90>222.90	26	2	2	2
Chlozolate	5.89	258.90>188.00	14	330.90>258.90	6	5	2	5
cis-Chlordane	6.30	374.80>265.90	26	372.80>263.90	28	2	2	2
Coumaphos	9.35	362.00>109.00	16	362.00>226.00	14	5	10	10
Cyfluthrin	9.66	163.10>127.10	6	163.10>91.00	14	5	10	10
Cyhalothrin	8.74	208.00>181.00	8	197.00>141.00	12	2	5	5
Cypermethrin	9.80	163.10>127.10	6	163.10>91.00	14	10	10	10
Cyproconazole	6.83	139.10>111.10	16	222.10>125.10	24	10	5	5
Cyprodinil	5.76	224.10>208.10	16	224.10>197.10	22	2	2	2
Deltamethrin	11.24	180.90>151.90	22	252.90>171.90	8	10	10	20
Diazinon	4.46	304.10>179.10	10	179.10>137.10	18	2	2	2
Dichlofluanid	5.33	223.90>123.10	8	167.10>124.10	10	2	2	5
Dichlorvos	2.48	109.00>79.00	8	185.00>93.00	14	2	2	2
Dichlorvos-d6 (ISTD)	2.47	191.10>99.00	16	191.10>115.00	16	2	2	2
Diclobutrazol	6.68	270.00>159.00	14	272.00>161.00	14	10	10	5
Dicofol deg. (DCBP)	5.51	139.00>111.00	16	139.00>75.00	28	5	2	2
Dieldrin	6.57	276.90>241.00	8	262.90>193.00	34	5	2	2

Diethofencarb	5.40	225.10>168.10	12	267.10>225.10	8	5	2	2
Dimethenamid (Dimethenamid-P)	4.88	230.00>154.10	10	203.00>126.10	22	2	2	2
Dimethipin	4.25	124.00>76.00	8	118.00>58.00	6	5	5	20
Diphenylamine	3.71	167.10>139.10	28	169.10>66.00	24	2	2	2
Endrin	6.94	262.90>191.00	30	262.90>193.00	28	20	20	10
EPN	8.08	169.10>140.90	8	156.90>77.00	24	5	5	2
Epoxiconazole	7.84	192.00>138.00	14	192.00>111.00	26	5	5	5
Esfenvalerate	10.70	225.10>119.10	20	225.10>147.10	10	5	2	5
Ethion	7.09	153.00>97.00	14	230.90>129.00	24	5	5	5
Ethofumesate	5.27	207.10>161.10	8	207.10>179.10	6	2	2	2
Ethoprophos	3.74	200.00>158.00	6	158.00>114.00	8	2	2	2
Etofenprox	10.01	163.10>135.10	10	163.10>107.10	18	2	2	2
Etrimfos	4.61	181.10>153.10	10	292.10>181.10	8	5	5	5
Fenamidone	8.24	238.10>103.10	22	268.10>180.10	16	2	2	5
Fenarimol	8.82	251.00>139.00	14	251.00>111.00	26	2	2	10
Fenazaquin	8.25	160.20>145.10	8	145.20>115.10	24	5	5	10
Fenbuconazole	9.59	198.10>129.10	10	129.10>102.10	18	5	2	2
Fenitrothion	5.24	277.00>260.00	6	260.00>125.10	12	5	5	5
Fenpropathrin	8.17	181.10>152.10	22	265.10>210.10	12	2	2	2
Fenpropimorph	5.58	128.10>70.00	10	128.10>110.10	8	2	2	5
Fenthion	5.45	278.00>109.00	20	278.00>169.00	14	5	5	10
Fenvalerate	10.52	225.10>119.10	20	225.10>147.10	10	5	2	10
Fipronil	6.00	366.90>212.90	30	368.90>214.90	30	10	5	10
Flamprop-methyl	6.65	230.00>170.00	18	276.10>105.00	10	5	5	5
Fluazifop-P-butyl	6.83	282.10>91.00	18	282.10>238.10	18	2	2	5
Flucythrinate	9.96	199.10>157.10	10	157.10>107.10	12	10	10	10
Fludioxonil	6.56	248.00>127.00	26	248.00>154.00	20	10	5	10
Fluquinconazole	9.35	340.00>298.00	20	340.00>313.00	14	2	5	5
Flusilazole	6.68	233.10>165.10	14	206.10>151.10	16	10	5	5
Flutolanil	6.44	173.00>145.00	14	281.10>173.00	12	2	5	2
Flutriafol	6.35	219.10>123.10	14	219.10>95.00	28	5	5	2
Folpet	6.02	259.90>130.00	14	261.90>130.00	18	5	50	50
Fonofos	4.42	137.10>109.10	8	246.00>137.10	6	2	2	2
Formothion	4.74	170.00>93.00	8	224.00>125.00	18	5	2	2
gamma-BHC (Lindane)	4.36	180.90>144.90	16	218.90>182.90	8	2	2	2
Heptachlor	5.05	271.80>236.90	20	273.80>238.90	16	2	2	2
Hexachlorobenzene	4.14	283.80>248.80	24	283.80>213.80	28	2	2	2
Iprodione	7.97	314.00>245.00	12	316.00>247.00	12	10	10	10
Isazofos	4.59	257.00>162.00	8	257.00>119.00	18	2	2	2
Isofenphos-methyl	5.76	199.00>121.00	14	241.10>121.10	22	2	2	2
Isoprothiolane	6.48	231.10>189.00	10	290.10>118.00	14	10	5	5
Kresoxim-methyl	6.71	206.10>131.10	14	206.10>116.10	6	5	5	5
lambda-Cyhalothrin	8.74	181.10>152.10	24	163.10>127.00	14	10	5	2
Malathion	5.34	173.10>99.00	14	173.10>127.00	6	2	2	2
Mepanipyrim	6.29	222.10>221.10	6	223.10>222.10	10	2	5	5
Metalaxyl (Mefenoxam)	5.08	206.10>132.10	20	249.20>190.10	8	10	10	10
Metazachlor	5.83	133.10>117.10	24	209.10>132.10	18	2	5	5
Methidathion	6.13	145.00>85.00	8	145.00>58.00	14	5	2	2
Metolachlor (S-Metolachlor)	5.43	162.10>133.10	16	238.10>162.10	12	2	2	2

Mevinphos	3.01	127.00>109.00	12	192.00>127.00	12	2	2	2
Molinate	3.41	126.10>55.00	14	187.10>126.10	6	2	2	5
Myclobutanil	6.66	179.10>125.00	14	179.10>152.00	8	5	5	10
Nitrofen	6.80	202.00>139.00	24	282.90>253.00	12	2	5	10
o,p'-DDE	6.18	246.00>176.00	30	248.00>176.00	28	2	2	2
o,p'-DDT	7.07	235.00>165.00	24	237.00>165.00	28	2	2	2
Oxadixyl	7.10	163.10>132.10	8	163.10>117.10	24	10	10	10
p,p'-DDD	7.04	235.00>165.00	24	237.00>165.00	28	2	2	2
p,p'-DDE	6.55	246.00>176.00	30	317.90>248.00	24	2	2	2
Paclobutrazol	6.21	236.10>125.00	14	236.10>167.00	10	10	10	10
Parathion-methyl	5.10	125.00>47.00	12	125.00>79.00	8	2	2	2
Pebulate	3.13	128.10>57.00	6	128.10>72.00	4	5	2	5
Penconazole	5.86	248.10>157.10	26	159.10>123.10	22	2	5	2
Pendimethalin	5.83	252.10>162.10	10	252.10>191.10	8	2	5	2
Permethrin	9.20	183.10>153.10	14	183.10>165.10	14	10	5	10
Phenothrin	8.41	123.10>81.00	8	183.10>168.10	14	20	50	50
Phenthoate	5.97	273.90>125.00	20	273.90>246.00	6	5	5	2
Phorate	4.00	231.00>129.00	24	231.00>175.00	12	2	5	5
Picolinafen	8.10	376.10>239.10	12	238.10>145.10	24	10	10	5
Pirimicarb	4.72	238.10>166.10	12	166.10>96.00	18	5	2	2
Pirimiphos-methyl	5.25	290.10>125.00	22	290.10>233.10	12	2	5	2
Procymidone	6.05	283.00>96.00	10	285.00>96.00	10	2	2	2
Profenofos	6.51	338.90>268.90	18	336.90>266.90	14	10	10	10
Prometryn	5.07	226.10>184.10	10	241.20>184.10	12	2	2	5
Propaphos	6.15	220.10>140.10	12	220.10>125.10	24	5	10	10
Propiconazole	7.51	173.00>145.00	16	173.00>109.00	28	10	2	5
Propyzamide	4.40	172.90>144.90	16	172.90>109.00	26	2	2	2
Pyraclostrobin	10.56	132.10>77.00	20	164.10>132.10	14	5	10	10
Pyridaben	9.29	147.10>117.10	22	147.10>132.10	14	2	5	5
Pyrimethanil	4.45	198.10>183.10	14	198.10>118.10	28	2	2	2
Pyriproxyfen	8.55	136.10>78.00	20	226.10>186.10	14	5	5	10
Quinalphos	5.97	146.10>118.00	10	157.10>129.00	14	5	2	50
Quinoxifen	7.40	237.10>208.10	28	307.10>237.10	22	2	2	2
Quintozene	4.40	264.80>236.80	10	294.80>236.80	16	2	2	2
Sulfotep	3.94	322.00>202.00	10	322.00>294.00	4	2	2	2
Sulprofos	7.22	156.00>141.00	18	322.00>156.00	8	10	10	20
tau-Fluvalinate	10.70	250.10>55.00	18	250.10>200.10	16	10	5	10
Tebuconazole	7.65	125.10>89.00	18	250.10>125.10	22	5	5	10
Tebufenpyrad	8.22	333.10>171.10	20	333.10>276.10	8	5	5	2
Tefluthrin	4.55	177.00>127.10	16	177.00>137.10	16	2	2	2
Terbufos	4.37	231.00>128.90	26	231.00>174.90	14	2	2	5
Terbutryn	5.21	241.20>185.10	6	241.20>170.10	14	2	2	2
Tetrachlorvinphos	6.26	328.90>109.00	20	330.90>109.00	22	5	2	5
Tetraconazole	5.58	336.00>204.00	28	336.00>218.00	14	5	5	2
Tetradifon	8.39	226.90>199.00	16	355.90>228.90	12	5	5	10
Tetramethrin	8.10	164.10>107.10	14	164.10>135.10	8	5	5	20
Thiobencarb	5.36	125.00>89.00	18	257.10>100.00	8	2	2	2
Tolclofos-methyl	5.00	264.90>249.90	14	264.90>219.90	22	2	2	2
Tolylfluanid	5.90	238.00>137.10	14	181.10>138.10	10	5	2	5

TPP (ISTD)	7.71	215.10>168.10	16	325.10>169.10	20	5	2	2
trans-Chlordane	6.12	374.80>265.90	26	372.80>263.90	28	2	2	2
Triadimefon	5.51	208.10>181.00	10	208.10>111.00	22	2	5	2
Triazophos	7.25	161.00>134.00	8	161.00>106.00	14	10	5	20
Trifloxystrobin	7.48	222.10>190.10	4	222.10>162.10	10	10	10	5
Trifluralin	3.88	306.10>264.10	8	264.10>160.10	18	2	2	2
Vinclozolin	4.95	212.00>172.00	16	285.00>212.00	12	2	2	2