

Analytical and Bioanalytical Chemistry

Electronic Supplementary Material

**Screening and quantification of pesticide residues in fruits and vegetables making use of gas chromatography–quadrupole time-of-flight mass spectrometry with atmospheric pressure chemical ionization**

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**Table S2.** List of compounds searched in the widened screening method

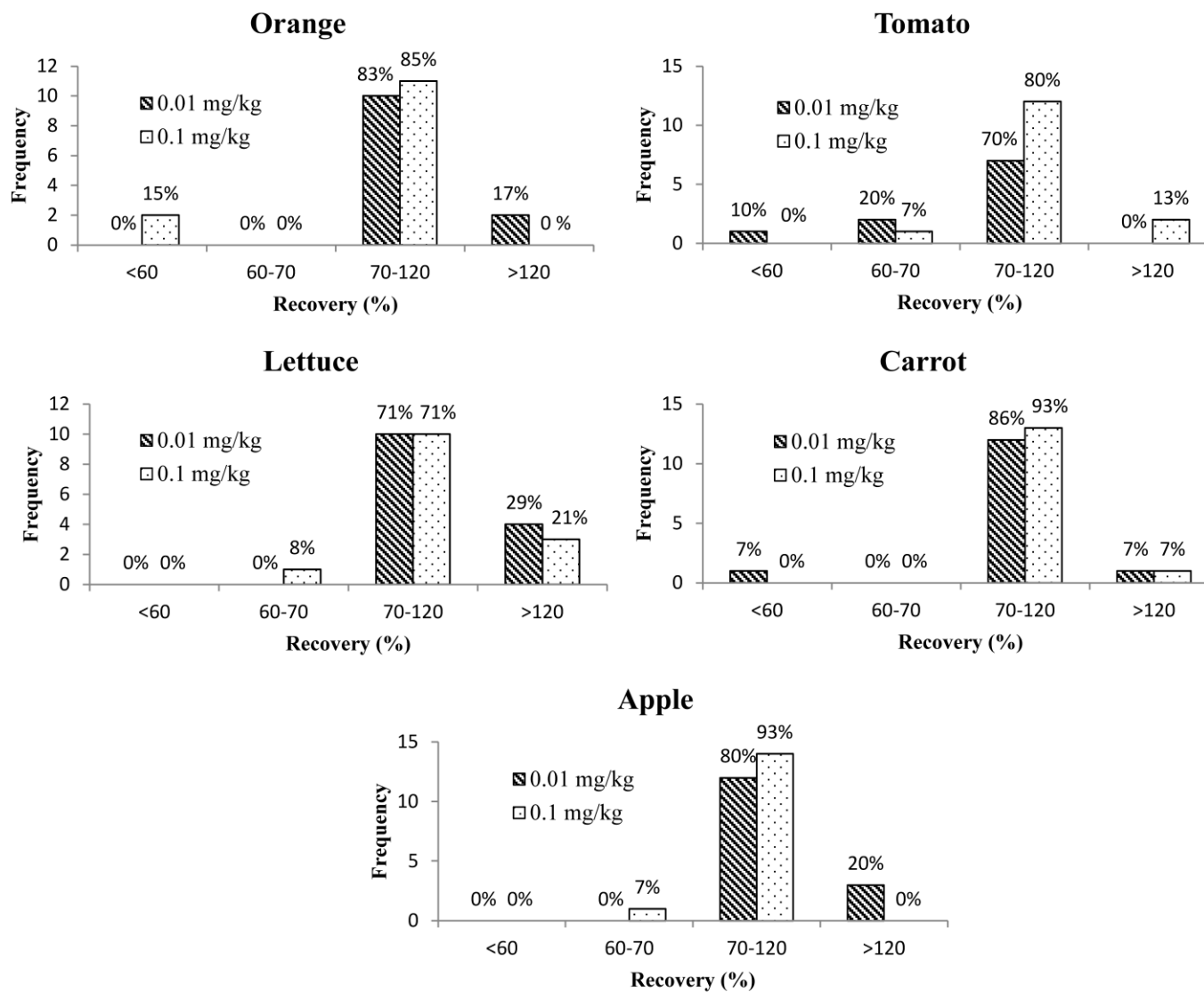
Compounds				
Acephate	Bixafen	Chlorfenson	<i>p,p'</i> -DDE	Diniconazole
Acequinocyl	Boscalid	Chlorfenvinphos	<i>p,p'</i> -DDD	Dinitramine
Acetamiprid	Bromocyclen	Chloridazon	<i>p,p'</i> -DDT	Dinobuton
Acetochlor	Bromofenvinphos	Chlormephos	DEF	Dinocap
Aclonifen	Bromophos	Chloroneb	Deltamethrin	Dinoseb
Acrinathrin	Bromophos ethyl	Chloropropylate	Demeton	Dinoterb
Alachlor	Bromopropilate	Chlorothalonil	Demeton-S-methyl	Dioxathion
Aldicarb	Bromuconazole	Chlorotoluron	Dialifos	Diphenylamine
Aldicarb sulfone	Bupimirate	Chlorpropham	Diazinon	Disulfoton
Aldrin	Buprofezin	Chlorpyrifos	4,4-Dibromobenzophenone	Disulfoton sulfone
Allethrin	Butachlor	Chlorpyrifos methyl	Dicamba	Ditalimfos
Ametryn	Butamifos	Chlorsulfuron	Dicapthon	Diuron
Amidithion	Butralin	Chlorthal dimethyl	Dichlobenil	DNOC
Ancymidol	Cadusafos	Chlorthion	Dichlofenthion	Edifenphos
Anilazine	Captafol	Chlorthiophos	Dichlofluanid	alpha-endosulfan
Anthraquinone	Captan	Chlozolinat	Dichloran	beta-endosulfan
Aramite	Carbaryl	Cinidon-ethyl	4,4'-Dichlorobenzophenone	Endosulfan ether
Atrazine	Carbendazim	Clodinafop propargyl	Dichlorprop	Endosulfan sulfate
Atrazine desethyl	Carbetamide	Clomazone	Dichlorvos	Endrin
Atrazine desisopropyl	Carbofuran	Coumaphos	Diclobutrazol	EPN
Azaconazole	Carbophenothion	Crotoxyphos	Diclofop methyl	Epoxyconazol
Azamethiphos	Carbophenothion methyl	Crufomate	Dicofol	Etaconazole
Azinphos ethyl	Carbosulfan	Cyanazine	Dicrotophos	Ethalfuralin
Azinphos methyl	Carboxin	Cyanofenphos	Dieldrin	Ethiofencarb
Azoxystrobin	Carfentrazone ethyl	Cyanophos	Dienochlor	Ethion
Benalaxyl	Chinomethionat	Cycloxydim	Difenoconazole	Ethiprole
Benfluralin	Chlorantraniliprole	Cyfluthrin	Diflufenican	Ethofumesat
Benoxacor	Chlorbenside	lambda-Cyhalothrin	Dimefox	Ethoprophos
Bentazone	Chlorbenzilate	Cymoxanil	Dimethachlor	Ethoxyquin
Benzoylprop ethyl	<i>trans</i> -Chlordane	Cypermethrin	Dimethenamide	Etofenprox
Bifenox	Chlordecone	Cyphenothrin	Dimethipine	Etoxazole
Bifenthrin	Chlorethoxyfos	Cyproconazole	Dimethoate	Etridiazole
Binapacryl	Chlorfenapyr	Cyprodinil	Dimethomorph	Etrimfos
Bitertanol	Chlorfenprop methyl	Cyprofuram	Dimoxystrobin	Famophos

**Table S2.** (Continued)

<b>Compounds</b>				
Famoxadone	Fluopyram	Iodofenphos	Methabenzthiazuron	Pentachlorobenzene
Famphur	Fluorodifen	Ioxynil	Methacriphos	Pentachlorophenol
Fenamidone	Fluotrimazole	Ioxynil octanoate	Methamidophos	Pentanochlor
Fenamiphos	Fluquinconazole	Iprobenfos	Methidathion	Permethrin
Fenarimol	Flurenol butyl	Iprodione	Methiocarb	Perthane
Fenbuconazole	Flurochloridone	Iprovalicarb	Methiocarb sulfone	Phenkapton
Fenchlorazole ethyl	Flurprimidol	Isazophos	Methomyl	Phenothrin
Fenchlorphos	Flurtamone	Isobenzan	Methoprene	Phenthoate
Fenfluthrine	Flusilazole	Isocarbofos	Methoxychlor	2-Phenylphenol
Fenhexamid	Flutriafol	Isodrin	2,4-D-Methylester	Phorate
Fenitrothion	tau-Fluvalinate	Isofenphos	2,4,5-T-Methylester	Phosalone
Fenobucarb	Folpet	Isofenphos methyl	Metolachlor	Phosfolane
Fenoxaprop ethyl	Fonofos	Isomethiozin	Metrafenon	Phosmet
Fenoxycarb	Formothion	Isopropalin	Metribuzin	Phosphamidon
Fenpropathrin	Fosalone	Isoxaben	Mevinphos	Picloram methyl ester
Fenpropimorph	Furathiocarb	Isoxadifen ethyl	Mirex	Picolinafen
Fenpyroximate	Furfural	Isoxathion	Molinate	Picoxystrobin
Fenson	Halfenprox	Ketoendrin delta	Monocrotophos	Pirazofos
Fensulfothion	Haloxifop methyl	Kresoxim methyl	Monuron	Pirimicarb
Fensulfothion sulfone	HCB	Lactofen	Myclobutanil	Pirimiphos ethyl
Fenthion	alpha-HCH	Lenacil	Nitralin	Pirimiphos methyl
Fenvalerate	beta-HCH	Leptophos	Nitrofen	Plifenate
Fipronil	gamma-HCH	Lufenuron	Omethoate	Prallethrin
Flamprop isopropyl	delta-HCH	Malaoxon	Oxadixyl	Prochloraz
Flamprop methyl	Heptachlor	Malathion	Oxyfluorfen	Procymidone
Fluazifop-p-butyl	Heptachlor epoxide A	Mecarbam	Paclbutrazol	Profenofos
Flubenzimine	Heptachlor epoxide B	Mecoprop	Paraoxon ethyl	Profluralin
Fluchloralin	Heptenophos	Mepanipyrim	Paraoxon methyl	Prometryn
Flucythrinate	Hexachlorobutadiene	Mephosfolan	Parathion ethyl	Propachlor
Fludioxonil	Hexaconazole	Merphos	Parathion methyl	Propanil
Flufenoxuron	Hexythiazox	Metalaxyl	Penconazole	Propargite
Flumethrine	Imazalil	Metamitron	Pendimethalin	Propazine
Flumetralin	Imibenconazole	Metazachlor	Pentachloranisol	Propetamphos
Fluopicolide	Indoxacarb	Metconazole	Pentachloroaniline	Propham

**Table S2.** (Continued)

<b>Compounds</b>		
Propiconazole	Tebupirimfos	Trietazine
Propisochlor	Tecnazene	Trifloxystrobin
Propoxur	Teflubenzuron	Triflumizole
Propyzamide	Tefluthrin	Triflumuron
Prosulfocarb	Temephos	Trifluralin
Prothioconazole-desthio	TEPP	Triticonazole
Prothiophos	Terbacil	Vamidothion
Prothoat	Terbufos	Vinclozolin
Pymetrozine	Terbumeton	
Pyraclufos	Terbumeton desethyl	
Pyraclostrobin	Terbuthylazine	
Pyraflufen ethyl	Terbuthylazine desethyl	
Pyrazophos	Terbutryn	
Pyridaben	Tetrachlorvinphos	
Pyridaphenthion	Tetraconazole	
Pyrifenox	Tetradifon	
Pyrimethanil	Tetramethrin	
Pyrimitate	Tetrasul	
Pyriproxyfen	Thiabendazole	
Quinalphos	Thiometon	
Quinoxifen	Thionazin	
Quintiofos	Thiophanate methyl	
Quintozene	Tolclofos methyl	
Quizalofop ethyl	Tolyfluanid	
Resmethrin	Transfluthrin	
Sebuthylazin	Triadimefon	
Silafluofen	Triadimenol	
Simazine	Triallate	
Spirodiclofen	Triamiphos	
Spiromesifen	Triazophos	
Sulfotep	Tribufos	
Sulprofos	Trichlorfon	
Swep	Trichloronat	
Tebuconazole	Tridiphane	



**Figure S1.** Histograms for recoveries experiments at 0.01 mg/kg and 0.1 mg/kg for the five validated matrices: orange, tomato, lettuce, carrot and apple.