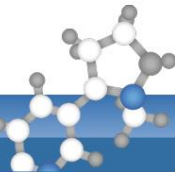
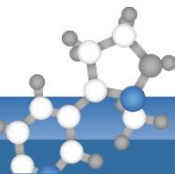


Method name	LC-ToF-ESI(+)-12		
Instrument	LC-ToF		
Chromatographic method	LC		
Extraction method	QuEChERS		
Clean-up	PSA		
Use of AP (analyte protectant)	no		
Internal standard(s)	Chlorpyrifos D ₁₀ ; Propyzamid D ₃		
Instrument parameters			
Ionisation mode	ESI(+)		
Column	Acquity UPLC BEH C18 1,7 µm 2,1 x 100 mm		
Pre-column	Acquity UPLC BEH C18 Van Guard 2,1 x 5mm		
Column temperature (°C)	40 °C		
Eluent A2	1 mmol NH ₄ -formiate + 0.002% formic acid in Wasser		
Eluent B2	1 mmol NH ₄ -formiate + 0.002% formic acid in MeOH		
Gradient	%A	Flow [mL/min]	Time [min]
	95	0.2	initial
	40	0.2	2.0
	35	0.2	3.0
	30	0.4	4.0
	10	0.4	8.0
	10	0.4	15.0
	95	0.4	15.1
	95	0.4	18.0
	95	0.2	18.1
95	0.2	18.5	
Injection volume (µL)	2		
Dilution	no		
Acquired exact mass			
	Exact mass (m/z)	Comment/Note	
1.3-Diphenylurea	213.10224		
1-Naphthylacetamide	186.09134		
2.6-Dichlorobenzamide	189.98210	metabolite of Chlorthiamid, Dichlobenil, Fluopicolide	
Acequinocyl (fragment 343)	343.22677		
Alanycarb (fragment 238)	238.08963		
Ametoctradin	276.21827		
Amisulbrom	465.9628		
Aspon	379.09261		
Bensulide	398.06778		
Benthiavalicarb-isopropyl	382.15952		
Benzovindiflupyr	398.06330		
Benzoylprop-ethyl	366.06583		
BIT	152.01646		
Bixafen	414.03823		
Boscalid: M510F01	359.03486	metabolite of Boscalid	
Butafenacil (NH ₄ -adduct)	492.11437		
Butamifos	333.10324		
Cafenstrole	351.14854		



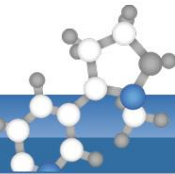
Carboxin	236.07398	
Carboxin: Oxycarboxin	268.06381	metabolite of Carboxin
Chlorantraniliprole	481.97807	
Chloridazon-methyl-desphenyl	160.02722	metabolite of Chlordazon
Cinidon-ethyl	394.06074	
Clethodim-sulfon (peak 1)	392.12930	metabolite of Clethodim
Clethodim-sulfon (peak 2)	392.12930	metabolite of Clethodim
Clethodim-sulfoxid (peak 1)	376.13438	metabolite of Clethodim
Clethodim-sulfoxid (peak 2)	376.13438	metabolite of Clethodim
Clodinafop-propargyl	350.05899	
CMIT	149.97749	
Cyantraniliprole	473.01229	
Cyflufenamid	413.1283	
Cyflumetofen (NH ₄ -adduct)	465.1996	
Cyprazine	228.10105	
Cyprodinil: CGA 304075	242.12879	metabolite of Cyprodinil
Daimuron	269.16484	
Denatonium benzoate	325.22744	
Diafenthiuron	385.23081	
Dichlormid	208.02905	
Difenoconazol – alcohol	350.04576	metabolite of Difenoconazol
Dimethylvinphos	330.94550	
Dimoxystrobin	327.17032	
Diphenamid	240.13829	
Dithiopyr	402.06154	
Dodine	228.24342	
Edifenphos	311.03238	
EPTC	190.12601	
Esprocarb	266.15731	
Etofenprox: Alpha-CO (NH ₄ -adduct)	408.21694	metabolite of Etofenprox
Etoazole	360.17696	
Fenpyrazamine	332.14272	
Flubendiamide (fragment 407)	407.97610	
Flucycloxuron	484.12340	
Flumioxazin	355.10886	
Fluopyram-benzamide	190.0474	metabolite of Fluopyram
Fluoxastrobin	459.08660	
Flupyradifurone	289.05499	
Flurprimidol	313.11584	
Fluxapyroxad	382.09733	
Fosthiazate	284.05385	
Imidacloprid-5-hydroxy	272.05449	metabolite of Imidacloprid
Iprobenfos	289.10218	
Isofetamid	360.16279	
Isoprothiolane	291.07193	
Isopyrazam	360.18820	
Isxadifen-ethyl	296.12812	
Isoxathion	314.06104	
Lactofen (NH ₄ -adduct)	479.08274	

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EU Reference Laboratories for Residues of Pesticides

Single Residue Methods

Mefenacet	299.08487	
Mefenpyr-diethyl	373.07164	
Mefentrifluconazole	398.08777	
Metaflumizone-(Z) (peak 1)	507.1250	
Metaflumizone-(E) (peak 2)	507.1250	
Metobromuron: 4-Bromophenylurea	214.98145	metabolite of Metobromuron
MIT (peak 1)	116.01646	
MIT (peak 2)	116.01646	
Myclobutanil: RH-9090	305.11637	metabolite of Myclobutanil
Oxadiargyl	341.04542	
Oxadiazon	345.07672	
Oxathiapiprolin	540.148714	
Paraoxon	276.06315	metabolite of Parathion
Paraoxon-methyl	248.03185	metabolite of Parathion-methyl
Pebulate	204.14166	
Penflufen	318.19762	
Pentachlor	240.11497	
Penthiopyrad	360.13519	
Penthiopyrad: PAM	194.05357	metabolite of Penthiopyrad
Pethoxamid	296.14118	
Phorate-oxon	245.04294	metabolite of Phorate
Phorate-oxon-sulfone	277.03277	metabolite of Phorate
Phorate-oxon-sulfoxide	261.03786	metabolite of Phorate
Phorate-sulfone	293.00993	metabolite of Phorate
Phorate-sulfoxide	277.01502	metabolite of Phorate
Picaridin	230.17507	
Piperonyl butoxide (NH ₄ -adduct)	356.24315	
Pirimicarb-desmethylformamido	253.12952	
Pretilachlor	312.17248	
Prochloraz: BTS 40348	282.02137	metabolite of Prochloraz
Prochloraz: BTS 44595	325.02719	metabolite of Prochloraz
Prochloraz: BTS 44596	353.02210	metabolite of Prochloraz
Propaquizafop	444.13207	
Propetamphos	282.09234	
Proquinazid: IN-MM671	247.14410	metabolite of Proquinazid
Pyraclostrobin	388.10586	
Pyraflufen-ethyl	413.02772	
Pyributicarb	331.14748	
Pyridaphenthion	341.07194	
Pyrimethanil-4-hydroxy	216.11313	metabolite of Pyrimethanil
Pyrimidifen	378.19428	
Pyriofenone	366.11028	
Siduron	233.16484	
Spirodiclofen	411.11244	
Spiromesifen - enol	273.14852	metabolite of Spiromesifen
Spirotetramat	374.19620	
Spirotetramat-enol	302.17507	metabolite of Spirotetramat
Spirotetramat-enol-glucoside	464.22789	metabolite of Spirotetramat
Spirotetramat-keto-hydroxy	318.16999	metabolite of Spirotetramat



Spirotetramat-mono-hydroxy	304.19072	metabolite of Spirotetramat
Sulfoxaflor	278.05694	
TCMTB	238.97659	
Tebuconazole-hydroxy	324.14733	metabolite of Tebuconazole
Thenylchlor	324.08195	
Thiazopyr	397.10037	
Triazamate	315.14854	
Triazophos	314.07228	
Tricyclazole	190.04334	
Trifloxystrobin acid	395.12132	metabolite of Trifloxystrobin
Trifloxysulfuron	438.06896	
Triflumizole: FM-6-1 (E-Isomer)	295.08195	metabolite of Triflumizole
Vernolate	204.14166	