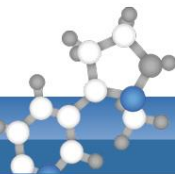
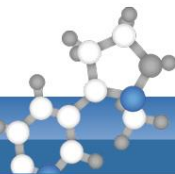


Method name	LC-MS/MS-ESI(+)-1							
Instrument	LC-MS/MS							
Chromatographic method	LC							
Extraction method	QuEChERS							
Clean-up	no							
Use of AP (analyte protectant)	no							
Internal standard(s)	Chlorpyrifos D ₁₀							
Instrument parameters								
Ionisation mode	ESI(+)							
Column	Phenomenex Aqua 5µ C18 125 Å							
Pre-column	Aqua C18 125Å 4mm x 2mm (Phenomenex AJO-7510) Trap-column: Waters Bridge C18 5µm in front of the sampler							
Column temperature (°C)	40							
Eluent A1	5 mmol NH ₄ -formiate in H ₂ O + 0.01 % formic acid							
Eluent B1	5 mmol NH ₄ -formiate in methanol (MeOH) + 0.01 % formic acid							
Gradient	%A	Flow [mL/min]		Time [min]				
	95	0.4		0				
	50	0.4		2				
	40	0.4		8				
	10	0.4		12				
	10	0.4		14				
	95	0.4		14.5				
	95	0.4		21				
Injection volume (µL)	1							
Dilution	no							
Aquired mass transitions	Target		Qualifier 1		Qualifier 2		Qualifier 3	
	Q1 (m/z)	Q3 (m/z)	Q1 (m/z)	Q3 (m/z)	Q1 (m/z)	Q3 (m/z)	Q1 (m/z)	Q3 (m/z)
Chlorpyrifos D ₁₀ ISTD	360.1	199.0						
6-Benzyladenine	225.7	91.0	225.7	65.0				
Aclonifen	264.9	148.0	264.9	182.0				
Ametryn	228.2	186.1	228.2	68.0				
Atrazin	216.2	174.0	218.1	176.0				
Atrazin-desethyl	188.2	146.0	190.1	148.0				
Atrazin-desisopropyl	174.1	104.1	176.1	106.1				
BAC-C8	248.2	156.2	248.2	91.1				
BAC-C10	276.3	184.2	276.3	91.0				
BAC-C12	304.3	212.3	304.3	91.0				
BAC-C14	332.3	240.3	332.3	91.0				
BAC-C16	360.2	268.3	360.2	91.0				
BAC-C18	388.4	296.4	388.4	91.1				
Carbetamide	237.1	192.1	237.1	118.1				
Chlorbromuron	295.1	205.9	293.1	182.0	293.1	203.8		
Chloridazon	222.1	104.0	224.1	104.1				
Chlorpropham	214.2	172.0	214.2	154.0	216.2	173.9		



Chlorotoluron	213.2	72.0	215.1	72.1				
Clethodim	360.1	164.1	360.1	268.1	362.1	164.1		
Clethodim: Sethoxydim	328.3	178.0	328.3	282.0				
Clomazone	240.1	124.9	242.2	127.1				
Cyanazine	241.1	214.1	243.1	216.1				
DDAC-C10	326.2	186.2	326.2	41.1				
DDAC-C10 D ₆	332.4	192.2						
DDAC-C12	382.4	214.2	382.4	58.1				
DDAC-C8	270.3	158.3	270.3	43.0				
Desmedipham*	301.2	182.1	301.2	154.1				
Diflufenican	395.0	266.0	395.0	246.0				
Dimefuron	339.2	167.0	341.2	169.0				
Dimethachlor	256.2	224.0	258.1	226.1				
Dimethenamid	276.1	244.0	278.1	246.0				
Diuron	233.1	71.9	235.1	72.0				
Ethofumesate	287.1	259.0	287.1	121.0				
Fenuron	165.1	72.0	165.1	120.0				
Flufenacet	364.1	152.2	364.1	194.1				
Isoproturon	207.2	72.0	207.2	165.2				
Isoxaben	333.3	165.1	333.3	107.1				
Linuron	249.0	159.9	251.1	161.9				
Metamitron	203.1	175.0	203.1	104.2				
Metazachlor	278.1	209.9	280.1	212.0				
Metazachlor: 479M016	380.1	133.9	380.1	312.0	380.1	105.0		
Metazachlor: 479M08	323.9	134.1	323.9	256.0	323.9	69.0		
Metazachlor: 479M04	273.9	134.1	273.9	162.1	273.9	105.0		
Methabenzthiazuron	222.2	165.2	222.2	150.0				
Metobromuron	259.0	170.0	261.0	172.1				
Metolachlor	284.1	252.0	286.1	254.0				
Metosulam	418.0	174.9	420.0	177.0				
Metoxuron	229.1	72.0	229.1	156.3				
Metribuzin	215.2	187.1	215.2	84.1				
Napropamide	272.2	171.1	272.2	199.0				
Oxyfluorfen	362.1	315.9	362.1	237.0	364.0	317.9		
Pencycuron	329.3	125.1	331.3	127.0				
Phenmedipham*	301.2	168.0	301.2	136.0				
Picolinafen	377.1	238.0	377.1	359.0				
Profoxydim	466.2	280.0	468.3	280.0				
Prometryn	242.2	158.1	242.2	200.0				
Propazine	230.2	188.1	232.2	190.0				
Prosulfocarb	252.2	91.0	252.2	128.1				
Pyridate*	379.1	206.9	379.1	350.9				
Pyridate: 6-Chloro-4-hydroxy-3-phenyl-pyridazine*	207.1	77.0	209.1	104.0				
Quinclorac*	242.0	223.9	244.0	225.9				
Quinmerac*	222.1	203.9	224.1	206.0				
Rimsulfuron	432.1	181.9	432.1	324.9				



Sebuthylazine	230.2	174.1	232.2	176.1				
Simazine	202.2	132.1	204.1	134.0				
Tepaloxymid	342.1	249.8	342.1	166.2				
Terbumeton	226.2	170.1	226.2	142.0				
Terbuthylazine	230.2	174.0	232.2	176.0				
Terbuthylazine-desethyl	202.2	146.0	204.1	148.0				
Terbutryn	242.1	186.1	242.1	96.0				

*in acidic (0.4% acetic acid in acetonitrile) stock and working solution