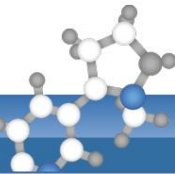


Method name	LC-MS/MS-ESI(+)-7 (corresponds to QuPpe M4.2)							
Instrument	LC-MS/MS							
Chromatographic method	LC							
Extraction method	QuPpe							
Clean-up	no							
Use of AP (analyte protectant)	no							
Internal standard(s)	respective IL-IS							
Instrument parameters								
Ionisation mode	ESI(+)							
Column	BEH Amide 2 x 100 mm 1.7 µm UPLC Column							
Pre-column	Van Guard BEH C18 1.7µm							
Column temperature (°C)	40							
Eluent A1	50 mM NH ₄ -formiate in demineralized H ₂ O (pH 3): 2.5 mL of 5 M NH ₄ -formiate + 1.7 mL formic acid in 250 mL demineralized H ₂ O.							
Eluent B1	Acetonitrile							
Gradient	%A	Flow [mL/min]		Time [min]				
	3	0.5		0				
	3	0.5		0.5				
	30	0.5		4.0				
	60	0.5		5.0				
	60	0.5		6.0				
	3	0.5		6.1				
	3	0.5		10				
Injection volume (µL)	2							
Dilution	-							
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)
Aminocyclopyrachlor	214.1	168.0	214.1	100.9	216.1	170.0		
Amitrole	85.0	43.0	85.0	58.1	85.0	57.1		
Amitrole ¹³ C ₂ ¹⁵ N ₂ (IS)	88.9	44.0						
Chlormequat	122.1	58.2	124.1	58.0	122.1	63.0		
Chlormequat D ₄ (IS)	126.1	58.1						
Chloridazon-desphenyl	146.1	117.0	146.1	66.2	148.1	119.1		
Chloridazon-desphenyl ¹⁵ N ₂ (IS)	148.1	117.0						
Cyromazine	167.2	68.0	167.2	125.1	167.2	108.0		
Cyromazine D ₄ (IS)	171.1	86.1						
Daminozide	161.2	143.1	161.2	101.1	161.2	61.1		
Daminozide ¹³ C ₄ (IS)	165.0	147.1						
Difenzoquat	249.2	193.2	249.2	130.1	249.2	77.1		
ETU	103.0	60.0	103.0	86.0	103.0	44.1		
ETU D ₄ (IS)	107.1	48.1						
Melamine	127.1	85.1	127.1	67.9				
Melamine ¹⁵ N ₃ (IS)	130.0	87.0						



Mepiquat	114.2	98.1	114.2	58.1				
Mepiquat D ₃ (IS)	117.2	101.1						
Mepiquat-4-hydroxy	130.2	113.9	130.2	58.1	130.2	96.1		
Morpholine	87.9	70.0	87.9	44.0	87.9	45.0		
Morpholine D ₈ (IS)	96.2	78.1						
Nereistoxin	150.1	105.0	150.1	61.1	150.1	71.0		
Nereistoxin D ₆ (IS)	156.1	104.9						
Propamocarb	189.3	144.0	189.3	74.0	189.3	102.0		
Propamocarb D ₇ (IS)	196.2	103.0						
Propamocarb-N-desmethyl	175.0	102.0	175.0	144.0	175.0	74.0		
Propamocarb-N-oxide	205.1	102.1	205.1	144.1	205.1	74.1		
PTU	117.1	60.0	117.1	57.9	117.1	71.9		
PTU D ₆ (IS)	123.2	64.0						
Trimethylsulfonium	77.1	62.0	77.1	47.1				
Trimethylsulfonium D ₉ (IS)	85.9	68.0						
Nicotine	163.2	130.0	163.2	117.0	163.2	132.0	163.2	84.1
Nicotine D ₄ (IS)	167.2	84.1						
Matrine	249.2	148.1	249.2	150.0	249.2	110.0		
Matrine D ₃ (IS)	252.1	148.1						
Oxymatrine	265.2	247.2	265.2	205.2	265.2	148.0		
Oxymatrine D ₃ (IS)	268.2	250.2						