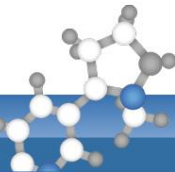


<b>Method name</b>	<b>LC-MS/MS-ESI(-)-2 (corresponds to QuPPE M1.3)</b>							
<b>Instrument</b>	LC-MS/MS							
<b>Chromatographic method</b>	LC							
<b>Extraction method</b>	QuPPE							
Clean-up	no							
Use of AP (analyte protectant)	no							
Internal standard(s)	respective IL-IS							
<b>Instrument parameters</b>								
Ionisation mode	ESI(-)							
Column	Thermo Hypercarb 100x2.1 mm 5µm							
Pre-column	Thermo Universal Uniguard Holder for 2.1/3.0mm ID Thermo Hypercarb 5µm 10x2.1mm Drop-In Guards							
Column temperature (°C)	40							
Eluent <b>A1</b>	1% acetic acid (10 mL) 5% MeOH (50 mL) add Water (940 mL)							
Eluent <b>B1</b>	1% acetic acid (10 mL) add MeOH (990 mL)							
<b>Gradient</b>	<b>%A</b>	<b>Flow [mL/min]</b>		<b>Time [ min]</b>				
	100	0.2		0				
	70	0.2		10				
	70	0.4		11				
	70	0.4		18				
	10	0.4		19				
	10	0.4		22				
	100	0.2		22.1				
100	0.2		30					
Injection volume (µL)	5 (2.5 µL Sample + 2.5 µL MeOH sauer)							
Dilution	1:2							
<b>Acquired mass transitions</b>	<b>Target</b>		<b>Qualifier 1</b>		<b>Qualifier 2</b>		<b>Qualifier 3</b>	
	<b>Q1 (m/z)</b>	<b>Q3 (m/z)</b>	<b>Q1 (m/z)</b>	<b>Q3 (m/z)</b>	<b>Q1 (m/z)</b>	<b>Q3 (m/z)</b>	<b>Q1 (m/z)</b>	<b>Q3 (m/z)</b>
Glyphosate: AMPA	110	63	110	79				
Glyphosate: AMPA <sup>13</sup> C <sup>15</sup> N (IS)	112	63						
Cyanuric acid	128	42	128	85				
Cyanuric acid <sup>13</sup> C <sub>3</sub> (IS)	131	43						
Ethephone	143	107	145	107				
Ethephone D <sub>4</sub> (IS)	147	111						
Fosetyl	109	81	109	63				
Fosetyl D <sub>15</sub> (IS)	114	82						
Glufosinate	180	63	180	95	180	85		
Glufosinate D <sub>3</sub> (IS)	183	63						
Glyphosate	168	63	168	150				
Glyphosate <sup>13</sup> C <sub>2</sub> <sup>15</sup> N (IS)	171	63						
Ethephon: HEPA	125	63	125	95	125	79		
Ethephon: HEPA D <sub>4</sub> (IS)	129	79						
Maleic hydrazide	111	82	111	83				



Maleic hydrazide D <sub>2</sub> (IS)	113	42						
Glufosinate: MPPA	151	63	151	133				
Glufosinate: MPPA D <sub>3</sub> (IS)	154	63						
Glufosinate-N-acetyl	222	63	222	136				
Glufosinate-N-acetyl D <sub>3</sub> (IS)	225	63						
Glyphosate-N-acetyl	210/	63	210	150	210	79		
Glyphosate-N-acetyl <sup>13</sup> C <sub>2</sub> <sup>15</sup> N (IS)	213	63						
Dimethoate-O-desmethyl	214	104	214	95	214	136		
Ammeline	126	83	126	41	126	42		
Ammeline <sup>13</sup> C <sub>3</sub> (IS)	129	42						
Ammelide	127	84	127	42	127	83		
Ammelide <sup>13</sup> C <sub>3</sub> (IS)	130	43						

AMPA: Aminomethylphosphonic acid; MPPA: 3-Methylphosphinopropionic acid; HEPA: 2-Hydroxyethylphosphonic acid (= ethephosphonic acid)