

Supporting Information

Development of analytical method on pesticide residues in berries with dispersive solid phase extraction using multiwalled carbon nanotubes and primary secondary amine sorbents

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Table S1 Method validation data from “EU Reference Laboratories for Residues of Pesticides”for strawberry.

Pesticide	Level	Rec	CI Details	Chr	Interface	Detector
Atrazine	0.025	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Atrazine	0.025	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Atrazine	0.025	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.2	92	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Azinphos-Methyl	0.2	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Azinphos-Methyl	0.025	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.025	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.025	86	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.02	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.025	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.05	114	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Bifenthrin	0.025	85	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.025	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.025	92	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Bifenthrin	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Bifenthrin	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.05	115	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.025	125	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.05	86	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.05	80	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.025	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.02	92	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.075	88	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.075	92	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.075	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	120	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.075	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.075	97	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	89	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Boscalid	0.02	118	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	76	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	120	None	LC	ESI(+)	Triple Quad.

Boscalid	0.02	104	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	98	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	76	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	104	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	88	None	LC	ESI(+)	Triple Quad.
Boscalid	0.025	88	None	LC	ESI(+)	Triple Quad.
Boscalid	0.025	78	None	LC	ESI(+)	Triple Quad.
Boscalid	0.025	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	119	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	90	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	113	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	119	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	115	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	91	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	90	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	82	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	88	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	82	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	100	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	101	None	LC	ESI(+)	Triple Quad.

Carbaryl	0.02	102	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	109	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	92	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	122	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	100	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	108	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	112	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	121	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	90	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.1	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.1	81	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.1	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.04	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	88	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	117	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	87	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	91	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	112	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.025	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carfentrazone-Ethyl	0.025	90	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.

Carfentrazone-Ethyl	0.025	116	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carfentrazone-Ethyl	0.025	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carfentrazone-Ethyl	0.025	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carfentrazone-Ethyl	0.025	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Chlorpyrifos	0.05	111	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Chlorpyrifos	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Chlorpyrifos	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Chlorpyrifos	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Chlorpyrifos	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	111	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	86	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Chlorpyrifos	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	89	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Chlorpyrifos	0.05	105	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	113	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	122	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Coumaphos	0.05	124	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Coumaphos	0.05	120	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Coumaphos	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Coumaphos	0.2	98	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Coumaphos	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Coumaphos	0.025	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Coumaphos	0.025	140	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Coumaphos	0.025	125	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Coumaphos	0.025	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Coumaphos	0.025	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyfluthrin (sum)	0.05	82	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.5	112	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Cyfluthrin (sum)	0.5	82	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Cyfluthrin (sum)	0.05	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.5	107	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Cyfluthrin (sum)	0.5	122	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Cyfluthrin (sum)	0.05	87	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.05	115	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.05	131	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyfluthrin (sum)	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.

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Cypermethrin (sum)	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	106	MgSO4/PSA/ODS (150/25/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	107	MgSO4/PSA/GCB (150/25/7,5 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.02	87	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	113	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	106	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	97	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	94	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	112	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	105	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	99	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	86	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.025	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.075	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.075	105	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.025	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.025	81	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.04	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.025	88	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.02	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	115	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.025	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	90	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	115	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.

Cyprodinil	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.075	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	84	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.02	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.025	78	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.2	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Cyprodinil	0.075	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.075	103	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	97	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	95				
Deltamethrin	0.5	102	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	91				
Deltamethrin	0.05	105	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.4	81				
Deltamethrin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	97				
Deltamethrin	0.05	75	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	106				
Deltamethrin	0.05	117	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	112				
Deltamethrin	0.05	87	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	77				
Deltamethrin	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	109				
Deltamethrin	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	91				
Deltamethrin	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	107				
Deltamethrin	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	88				
Deltamethrin	0.05	125	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	99				
Deltamethrin	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	121				
Deltamethrin	0.05	86	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	90				
Deltamethrin	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	86				

Deltamethrin	0.05	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	98				
Deltamethrin	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Diazinon	0.05	109				
Diazinon	1	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Diazinon	1	100				
Diazinon	0.05	86	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.05	84				
Diazinon	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.05	106				
Diazinon	0.2	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.05	90				
Diazinon	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.05	102				
Diazinon	0.02	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.02	103				
Diazinon	0.02	102	MgSO4/PSA/ODS (150/25/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.05	114				
Diazinon	0.05	108	MgSO4/PSA/ODS (150/25/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.05	92				
Dichlofluanid	0.05	98	MgSO4/PSA/GCB (150/25/7,5 mg/mL)	GC	CI (neg)	Single Quad.
Dichlofluanid	0.05	78				
Dichlofluanid	0.1	95	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Dichlofluanid	0.05	70				
Dichlofluanid	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Dichlofluanid	0.05	100				
Dichlofluanid	0.2	92	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Dichlofluanid	0.05	88				
Dichlofluanid	0.05	68	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Dichlofluanid	0.05	88				
Dichlofluanid	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Dichlofluanid	0.05	64				
Dichlofluanid	0.075	72	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Dichlofluanid	0.05	74				
Dichlofluanid	0.075	88	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Dichlofluanid	0.05	58	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Dichlofluanid	0.025	71				
Dichlofluanid	0.05	66	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Dichlofluanid	0.05	72				
Dichlofluanid	0.05	78	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Endosulfan, alpha-	0.05	100				
Endosulfan, alpha-	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Endosulfan, alpha-	0.02	105				
Endosulfan, alpha-	0.05	124	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Endosulfan, alpha-	0.05	98				
Endosulfan, alpha-	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.

Endosulfan, alpha-	0.02	95				
Endosulfan, alpha-	0.2	82	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Endosulfan, alpha-	0.05	98				
Endosulfan, alpha-	0.05	95	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Endosulfan, alpha-	0.05	113				
Endosulfan, alpha-	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	124				
Endosulfan, alpha-	0.05	125	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	90				
Endosulfan, alpha-	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	102				
Endosulfan, alpha-	0.05	88	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Endosulfan, alpha-	0.05	112				
Endosulfan, alpha-	0.05	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Endosulfan, alpha-	0.05	94				
Endosulfan, alpha-	0.05	117	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Endosulfan, alpha-	0.05	109				
Endosulfan, alpha-	0.05	112	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, alpha-	0.05	110				
Endosulfan, alpha-	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	118				
Endosulfan, alpha-	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, alpha-	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	84				
Endosulfan, alpha-	0.05	97	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	116				
Endosulfan, alpha-	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	84				
Endosulfan, alpha-	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	124				
Endosulfan, beta-	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	100				
Endosulfan, beta-	0.02	100	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	118				
Endosulfan, beta-	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	102				
Endosulfan, beta-	0.02	82	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.2	87				
Endosulfan, beta-	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.05	95				
Endosulfan, beta-	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	115				
Endosulfan, beta-	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	120				
Endosulfan, beta-	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	123				
Endosulfan, beta-	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.05	94				
Endosulfan, beta-	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.

Endosulfan, beta-	0.05	90				
Endosulfan, beta-	0.05	113	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Endosulfan, beta-	0.05	112				
Endosulfan, beta-	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	115				
Endosulfan, beta-	0.05	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Endosulfan, beta-	0.05	112				
Endosulfan, beta-	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, beta-	0.05	88				
Endosulfan, beta-	0.05	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	116				
Endosulfan, beta-	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	80				
Endosulfan, beta-	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	116				
Fenhexamid	0.025	88	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	105				
Fenhexamid	0.02	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	113				
Fenhexamid	0.02	92	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	107				
Fenhexamid	0.02	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	83				
Fenhexamid	0.02	114	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	105				
Fenhexamid	0.02	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	73				
Fenhexamid	0.02	70	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	97				
Fenhexamid	0.1	79	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	89				
Fenhexamid	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	101				
Fenhexamid	0.025	93	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	92				
Fenhexamid	0.02	113	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	113				
Fenhexamid	0.02	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	112				
Fenhexamid	0.02	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	102				
Fenhexamid	0.02	95	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	88				
Fenhexamid	0.02	115	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	101				
Fenhexamid	0.02	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	91				
Fenhexamid	0.02	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.

Fenhexamid	0.02	102				
Fenhexamid	0.02	117	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	100				
Fenhexamid	0.02	99	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	112				
Fenhexamid	0.025	99	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	107				
Fenhexamid	0.02	101	MgSO4/PSA/ODS (150/25/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	90				
Fenhexamid	0.02	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	99				
Fenhexamid	0.02	104	MgSO4/PSA/GCB (150/25/7,5 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	104				
Fenhexamid	0.02	81	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.02	93				
Fenhexamid	0.02	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenhexamid	0.025	109				
Fenitrothion	0.075	113	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.5	113				
Fenitrothion	0.5	78	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.025	75				
Fenitrothion	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.5	107				
Fenitrothion	0.5	122	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.3	104				
Fenitrothion	0.025	95	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	96				
Fenitrothion	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.075	112				
Fenitrothion	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.05	95				
Fenitrothion	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.075	95				
Fenitrothion	0.025	80	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	80	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	94				
Fenitrothion	0.05	124	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	80				
Fenitrothion	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	78				
Fenitrothion	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	114				
Fenitrothion	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	90				
Fenitrothion	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	88				
Fenitrothion	0.025	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.

Fenpropathrin	0.05	118				
Fenpropathrin	0.4	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.4	113				
Fenpropathrin	0.4	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.05	124				
Fenpropathrin	0.05	92	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.05	84				
Fenpropathrin	0.4	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.4	87				
Fenpropathrin	0.05	79	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.05	98				
Fenpropathrin	0.05	84	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.05	108				
Fenpropathrin	0.025	99	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.05	104				
Fenpropathrin	0.025	107	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.02	102				
Fenpropathrin	0.02	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.02	91				
Fenpropathrin	0.025	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.05	104				
Fenpropathrin	0.075	114	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.075	95				
Fenpropathrin	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.025	103				
Fenthion	0.05	93	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.5	102				
Fenthion	0.5	99	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.5	96				
Fenthion	0.025	95	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.1	80				
Fenthion	0.025	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.025	83				
Fenthion	0.025	120	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.025	100				
Fenthion	0.025	101	MgSO4/PSA/ODS (150/25/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.025	109				
Fenthion	0.02	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.02	107				
Fenthion	0.02	104	MgSO4/PSA/GCB (150/25/7,5 mg/mL)	GC	CI (neg)	Single Quad.
Fenthion	0.025	98				
Fludioxonil	0.05	82	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fludioxonil	0.05	100				
Fludioxonil	0.02	108	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fludioxonil	0.02	87				
Fludioxonil	0.02	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fludioxonil	0.02	100				

Fludioxonil	0.02	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fludioxonil	0.02	118				
Fludioxonil	0.02	113	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fludioxonil	0.02	108				
Fludioxonil	0.02	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fludioxonil	0.05	104				
Fludioxonil	0.02	89	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fludioxonil	0.02	80				
Fludioxonil	0.02	107	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fludioxonil	0.02	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	89				
Fludioxonil	0.02	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	82				
Fludioxonil	0.02	77	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	76				
Fludioxonil	0.025	116	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	98				
Fludioxonil	0.025	105	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.04	99				
Fludioxonil	0.025	109	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	107				
Fludioxonil	0.025	90	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.05	90				
Fludioxonil	0.075	101	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	87				
Fludioxonil	0.075	100	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	81				
Fludioxonil	0.02	85	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	101				
Fludioxonil	0.02	78	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	100				
Fludioxonil	0.02	81	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	124				
Fludioxonil	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	104				
Fludioxonil	0.02	82	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	119				
Fludioxonil	0.02	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	108				
Fludioxonil	0.075	81	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	123				
Fludioxonil	0.075	101	None	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	104				
Fludioxonil	0.075	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	117				
Fludioxonil	0.025	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	93				
Fludioxonil	0.025	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	103				

Fludioxonil	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	101				
Fludioxonil	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	98				
Fludioxonil	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	95				
Fludioxonil	0.075	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	97				
Fludioxonil	0.025	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	114				
Fludioxonil	0.025	117	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	104				
Fludioxonil	0.075	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	101				
Fludioxonil	0.075	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	91				
Fludioxonil	0.025	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	95				
Fludioxonil	0.075	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	112				
Fludioxonil	0.025	112	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	79				
Fludioxonil	0.05	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	103				
Fludioxonil	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	107				
Fludioxonil	0.02	115	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	98				
Fludioxonil	0.025	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	102				
Fludioxonil	0.025	118	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	100				
Fludioxonil	0.025	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	101				
Fludioxonil	0.1	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.075	89				
Fludioxonil	0.075	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.025	111				
Folpet	0.05	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	86				
Folpet	0.05	86	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.5	94				
Folpet	0.5	70	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	114				
Folpet	0.05	70	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.5	107				
Folpet	0.5	80	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.2	73				
Folpet	0.05	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.

Folpet	0.05	110				
Folpet	0.05	64	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	102				
Folpet	0.05	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	83				
Folpet	0.05	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	101				
Folpet	0.05	78	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	66				
Folpet	0.05	76	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	72	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Folpet	0.05	67				
Folpet	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Folpet	0.05	72				
Folpet	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Folpet	0.05	94				
Folpet	0.05	113	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	68				
Folpet	0.05	113	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Folpet	0.05	72				
Folpet	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Folpet	0.05	70				
Folpet	0.05	83	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Folpet	0.05	100				
Folpet	0.05	92	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Folpet	0.05	86				
Iprodione	0.05	120	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Iprodione	0.05	106				
Iprodione	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Iprodione	0.5	110				
Iprodione	0.5	122	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.5	108				
Iprodione	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	98				
Iprodione	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.5	113				
Iprodione	0.5	81	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.2	111				
Iprodione	0.2	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	94				
Iprodione	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	103				
Iprodione	0.05	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Iprodione	0.05	106				
Iprodione	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	86				
Iprodione	0.05	93	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	92				
Iprodione	0.05	124	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS

Iprodione	0.05	108				
Iprodione	0.05	78	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	92				
Iprodione	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	99				
Iprodione	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Iprodione	0.05	103				
Iprodione	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	96				
Iprodione	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Iprodione	0.05	90				
Iprodione	0.05	74	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	121				
Iprodione	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Iprodione	0.05	110				
Iprodione	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Iprodione	0.05	120				
Iprodione	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Kresoxim-Methyl	0.025	92				
Kresoxim-Methyl	0.075	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Kresoxim-Methyl	0.075	99				
Kresoxim-Methyl	0.5	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Kresoxim-Methyl	0.5	108				
Kresoxim-Methyl	0.5	94	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Kresoxim-Methyl	0.025	103				
Kresoxim-Methyl	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Kresoxim-Methyl	0.025	111				
Kresoxim-Methyl	0.075	102	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Kresoxim-Methyl	0.075	95				
Kresoxim-Methyl	0.1	93	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Kresoxim-Methyl	0.075	89				
Kresoxim-Methyl	0.05	84	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Kresoxim-Methyl	0.05	96				
Kresoxim-Methyl	0.025	105	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Kresoxim-Methyl	0.05	108				
Kresoxim-Methyl	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Kresoxim-Methyl	0.05	102				
Kresoxim-Methyl	0.05	105	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Kresoxim-Methyl	0.05	102				
Kresoxim-Methyl	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Kresoxim-Methyl	0.025	121				
Kresoxim-Methyl	0.05	97	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Kresoxim-Methyl	0.05	102				
Kresoxim-Methyl	0.05	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Kresoxim-Methyl	0.05	122				
Kresoxim-Methyl	0.05	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Kresoxim-Methyl	0.025	88				
Kresoxim-Methyl	0.05	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Kresoxim-Methyl	0.025	100				

Kresoxim-Methyl	0.02	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Kresoxim-Methyl	0.02	103				
Kresoxim-Methyl	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Kresoxim-Methyl	0.05	108				
Kresoxim-Methyl	0.025	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Kresoxim-Methyl	0.075	115				
Kresoxim-Methyl	0.075	113	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Kresoxim-Methyl	0.05	100				
Kresoxim-Methyl	0.05	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.05	104				
Malathion	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	96				
Malathion	0.02	115	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Malathion	0.02	96				
Malathion	0.02	83	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	116				
Malathion	0.02	112	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Malathion	0.02	115				
Malathion	0.02	74	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Malathion	0.02	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.05	86				
Malathion	0.05	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.05	90				
Malathion	0.02	82	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Malathion	0.2	86				
Malathion	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Malathion	0.05	95				
Malathion	0.075	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Malathion	0.075	96				
Malathion	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	111				
Malathion	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	105				
Malathion	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	105				
Malathion	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	102				
Malathion	0.02	83	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	113				
Malathion	0.025	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.075	119				
Malathion	0.05	118	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.05	112				
Malathion	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	102				
Malathion	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	102				
Malathion	0.02	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	94				

Malathion	0.075	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.075	93				
Malathion	0.05	120	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.05	120	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Malathion	0.05	94				
Malathion	0.025	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Malathion	0.02	100				
Malathion	0.02	96	None	LC	ESI(-)	Triple Quad.
Malathion	0.02	89				
Malathion	0.02	84	None	LC	ESI(-)	Triple Quad.
Malathion	0.02	77				
Malathion	0.02	93	None	LC	ESI(-)	Triple Quad.
Malathion	0.02	118				
Malathion	0.02	118	None	LC	ESI(-)	Triple Quad.
Malathion	0.02	86				
Malathion	0.025	94	None	LC	ESI(-)	Triple Quad.
Malathion	0.025	125				
Malathion	0.05	110	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.025	88				
Metalaxyl	0.025	92	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	87				
Metalaxyl	0.02	82	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	107				
Metalaxyl	0.02	97	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	117				
Metalaxyl	0.02	94	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Metalaxyl	0.02	102				
Metalaxyl	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	114				
Metalaxyl	0.025	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.025	99				
Metalaxyl	0.02	80	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	106				
Metalaxyl	0.1	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.025	82				
Metalaxyl	0.025	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.025	111				
Metalaxyl	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	117				
Metalaxyl	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	106				
Metalaxyl	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	102				
Metalaxyl	0.02	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	115				
Metalaxyl	0.02	101	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	108				
Metalaxyl	0.02	85	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	91				

Metalaxyl	0.02	97	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	102				
Metalaxyl	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	EI (neg)	Triple Quad.
Metalaxyl	0.02	102				
Metalaxyl	0.02	99	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.025	88				
Metalaxyl	0.025	85	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	103				
Metalaxyl	0.02	99	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	95				
Metalaxyl	0.02	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Metalaxyl	0.02	111				
Metalaxyl	0.02	103	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Metalaxyl	0.02	108				
Metalaxyl	0.02	107	None	LC	ESI(-)	Triple Quad.
Metalaxyl	0.02	103				
Metalaxyl	0.025	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Methiocarb	0.025	118				
Methiocarb	0.025	83	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.02	99				
Methiocarb	0.02	90	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	93				
Methiocarb	0.02	112	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	78				
Methiocarb	0.02	85	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	109				
Methiocarb	0.02	96	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	100				
Methiocarb	0.02	104	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.025	92				
Methiocarb	0.025	111	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	80				
Methiocarb	0.02	78	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.1	93				
Methiocarb	0.025	77	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.05	102				
Methiocarb	0.025	88	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.025	84				
Methiocarb	0.02	83	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	113				
Methiocarb	0.02	93	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	94				
Methiocarb	0.02	109	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.02	97				
Methiocarb	0.02	113	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.02	96				
Methiocarb	0.02	77	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Methiocarb	0.02	110				
Methiocarb	0.025	102	None	LC	ESI(-)	Triple Quad.

Methiocarb	0.02	111				
Methiocarb	0.02	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Methiocarb	0.02	96				
Methiocarb	0.02	104	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.02	110				
Methiocarb	0.02	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Methiocarb	0.02	102				
Methiocarb	0.025	102	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.025	92				
Methiocarb	0.02	106	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.02	103				
Methiocarb	0.02	91	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.02	94				
Methiocarb	0.02	107	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.02	104				
Methiocarb	0.02	119	None	LC	ESI(-)	Triple Quad.
Methiocarb	0.02	109				
Methiocarb	0.02	115	None	LC	ESI(-)	IonTrap MSn
Methiocarb	0.025	107				
Metolachlor	0.02	106	None	LC	ESI(-)	IonTrap MSn
Metolachlor	0.02	114				
Metolachlor	0.02	105	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	106				
Metolachlor	0.02	99	None	LC	ESI(-)	IonTrap MSn
Metolachlor	0.02	81				
Metolachlor	0.02	98	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	103				
Metolachlor	0.02	98	None	GC	EI (pos)	Single Quad.
Metolachlor	0.02	87				
Metolachlor	0.05	98	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	83				
Metolachlor	0.2	104	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.2	102				
Metolachlor	0.05	96	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	108				
Metolachlor	0.02	116	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	122				
Metolachlor	0.02	116	None	GC	EI (pos)	Single Quad.
Metolachlor	0.02	112				
Metolachlor	0.02	115	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	110				
Metolachlor	0.02	118	None	GC	EI (pos)	Single Quad.
Metolachlor	0.02	112				
Metolachlor	0.02	99	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.05	98				
Metolachlor	0.02	94	None	GC	EI (pos)	Single Quad.
Metolachlor	0.02	91				
Metolachlor	0.02	106	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	112				

Metolachlor	0.02	114	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	100				
Metolachlor	0.02	103	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.05	110				
Metolachlor	0.05	112	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	112				
Metolachlor	0.02	104	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	95				
Metolachlor	0.02	102	None	LC	ESI(-)	Triple Quad.
Metolachlor	0.02	109				
Metolachlor	0.02	111	None	LC	ESI(-)	IonTrap MSn
Metolachlor	0.02	91				
Metolachlor	0.02	108	None	LC	ESI(-)	IonTrap MSn
Metolachlor	0.02	122				
Metolachlor	0.05	86	None	LC	ESI(-)	IonTrap MSn
Metolachlor	0.05	96				
Myclobutanil	0.025	87	None	LC	ESI(-)	IonTrap MSn
Myclobutanil	0.025	95				
Myclobutanil	0.2	106	None	LC	ESI(-)	IonTrap MSn
Myclobutanil	0.025	104				
Myclobutanil	0.025	111	None	LC	ESI(-)	IonTrap MSn
Myclobutanil	0.2	78				
Myclobutanil	0.1	99	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.025	82				
Myclobutanil	0.04	92	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.025	90				
Myclobutanil	0.025	108	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.05	107				
Myclobutanil	0.05	106	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.05	110				
Myclobutanil	0.025	113	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.05	96				
Myclobutanil	0.05	110	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.05	90				
Myclobutanil	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Myclobutanil	0.05	107				
Myclobutanil	0.05	91	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.025	96				
Myclobutanil	0.025	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Myclobutanil	0.02	102				
Myclobutanil	0.02	102	None	LC	ESI(-)	Triple Quad.
Myclobutanil	0.02	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Myclobutanil	0.05	101				
Myclobutanil	0.05	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Myclobutanil	0.025	111				
Napropamide	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Napropamide	0.2	104				
Napropamide	0.2	98	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Napropamide	0.05	82				

Napropamide	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Napropamide	0.025	85				
Napropamide	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Napropamide	0.05	108				
Napropamide	0.025	99	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Napropamide	0.05	108				
Napropamide	0.025	103	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Napropamide	0.02	109				
Napropamide	0.02	105	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Napropamide	0.02	101				
Napropamide	0.05	82	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Napropamide	0.05	100				
Napropamide	0.025	100	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.05	112				
Parathion-Methyl	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.036	100				
Parathion-Methyl	0.05	82	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.05	102				
Parathion-Methyl	0.05	80	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.05	104				
Parathion-Methyl	0.04	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.2	102				
Parathion-Methyl	0.2	84	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.2	102				
Parathion-Methyl	0.05	70	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.05	100				
Parathion-Methyl	0.05	84	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.05	108				
Parathion-Methyl	0.05	80	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.05	82				
Parathion-Methyl	0.05	74	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Parathion-Methyl	0.05	100				
Permethrin (sum)	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	108				
Permethrin (sum)	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.2	123				
Permethrin (sum)	0.05	119	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	96				
Permethrin (sum)	0.05	83	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	76				
Permethrin (sum)	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	110				
Permethrin (sum)	0.05	111	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.02	106				
Permethrin (sum)	0.02	113	MgSO4/PSA/ODS (150/25/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.02	93				
Permethrin (sum)	0.05	81	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	89				

Permethrin (sum)	0.05	92	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Permethrin (sum)	0.05	105				
Permethrin (sum)	0.05	106	MgSO4/PSA/GCB (150/25/7,5 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	112				
Permethrin (sum)	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	121				
Permethrin (sum)	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	92				
Phosalone	0.4	127	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Phosalone	0.4	80				
Phosalone	0.05	65	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Phosalone	0.05	133				
Phosalone	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Phosalone	0.4	106				
Phosalone	0.4	122	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Phosalone	0.05	94				
Phosalone	0.05	92	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Phosalone	0.05	128	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Phosalone	0.02	101				
Phosalone	0.02	118	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Phosalone	0.02	103				
Phosalone	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Phosalone	0.05	99				
Pirimiphos-Methyl	0.5	101	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Pirimiphos-Methyl	0.5	99				
Pirimiphos-Methyl	0.5	91	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Pirimiphos-Methyl	0.05	95				
Pirimiphos-Methyl	0.05	92	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Pirimiphos-Methyl	0.05	96				
Pirimiphos-Methyl	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Pirimiphos-Methyl	0.05	86				
Pirimiphos-Methyl	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Pirimiphos-Methyl	0.02	106				
Pirimiphos-Methyl	0.02	101	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Pirimiphos-Methyl	0.02	100				
Pirimiphos-Methyl	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Pirimiphos-Methyl	0.05	104				
Propargite	0.02	111	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Propargite	0.02	108				
Propargite	0.02	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Propargite	0.02	86				
Propargite	0.02	93	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	115				
Propargite	0.02	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	109				
Propargite	0.02	76	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	87				
Propargite	0.025	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS

Propargite	0.02	80				
Propargite	0.02	92	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.1	95				
Propargite	0.04	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.025	79				
Propargite	0.025	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	104				
Propargite	0.02	114	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.02	114				
Propargite	0.02	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.02	109				
Propargite	0.02	120	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.02	107				
Propargite	0.02	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	105				
Propargite	0.02	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.025	102				
Propargite	0.02	93	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	96				
Propargite	0.02	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	112				
Propargite	0.02	114	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	112				
Propargite	0.02	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.025	100				
Propargite	0.02	107	MgSO4/PSA/GCB (150/25/2,5 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.02	104				
Propargite	0.02	103	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.02	100				
Propargite	0.02	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.02	93				
Propargite	0.02	111	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propargite	0.02	119				
Propargite	0.02	116	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propiconazole	0.501	105				
Propiconazole	0.025	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propiconazole	0.5	82				
Propiconazole	0.1	83	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propiconazole	0.025	87				
Propiconazole	0.025	85	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propiconazole	0.025	104				
Propiconazole	0.025	105	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propiconazole	0.025	103				
Propiconazole	0.02	91	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Propiconazole	0.02	103				
Propiconazole	0.02	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Vinclozolin	0.05	110				
Vinclozolin	0.05	115	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS

Vinclozolin	0.05	110				
Vinclozolin	0.017	105	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Vinclozolin	0.05	122	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	95				
Vinclozolin	0.05	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	97				
Vinclozolin	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Vinclozolin	0.05	86				
Vinclozolin	0.02	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Vinclozolin	0.2	89				
Vinclozolin	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Vinclozolin	0.05	94				
Vinclozolin	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Vinclozolin	0.05	108				
Vinclozolin	0.05	92	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	90				
Vinclozolin	0.05	80	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Vinclozolin	0.05	100				
Vinclozolin	0.05	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	94				
Vinclozolin	0.05	118	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Vinclozolin	0.05	113				
Vinclozolin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Vinclozolin	0.05	103				
Vinclozolin	0.05	116	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	112				
Vinclozolin	0.05	88	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	102				
Vinclozolin	0.05	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	110				

Table S2 Method validation data from “EU Reference Laboratories for Residues of Pesticides” for raspberry.

Pesticide	Level	Rec	CI Details	Chr	Interface	Detector
Azinphos-Ethyl	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Azinphos-Ethyl	0.025	109				
Azinphos-Ethyl	0.025	83	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	92				
Bifenthrin	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	94				
Bifenthrin	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	96				
Bifenthrin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Boscalid	0.02	101				
Boscalid	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	97				
Carbaryl	0.025	107				
Carbaryl	0.02	122	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Carbaryl	0.02	102				
Carbaryl	0.02	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.

Carfentrazone-Ethyl	0.025	95				
Carfentrazone-Ethyl	0.025	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Chlorpyrifos	0.05	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Chlorpyrifos	0.05	106				
Coumaphos	0.05	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Coumaphos	0.025	98				
Coumaphos	0.025	101	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Cyfluthrin (sum)	0.05	101				
Cyfluthrin (sum)	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Cyfluthrin (sum)	0.05	114				
Cyfluthrin (sum)	0.05	89	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Cyfluthrin (sum)	0.05	88				
Cyfluthrin (sum)	0.05	71	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Cyfluthrin (sum)	0.05	80				
Cyfluthrin (sum)	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Cyfluthrin (sum)	0.05	112				
Cypermethrin (sum)	0.05	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cypermethrin (sum)	0.05	107				
Cypermethrin (sum)	0.05	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cypermethrin (sum)	0.05	75				
Cyprodinil	0.05	104				
Cyprodinil	0.05	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.05	98				
Cyprodinil	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	99				
Cyprodinil	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.025	108				
Cyprodinil	0.3	92	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.05	98				
Cyprodinil	0.05	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Deltamethrin	0.05	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Deltamethrin	0.05	104				
Deltamethrin	0.4	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Deltamethrin	0.05	91				
Deltamethrin	0.05	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Deltamethrin	0.05	119				
Deltamethrin	0.05	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Deltamethrin	0.05	68				
Diazinon	0.05	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Diazinon	0.05	104				
Dichlofluanid	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Dichlofluanid	0.05	102				
Endosulfan, alpha-	0.1	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	92				
Endosulfan, alpha-	0.05	111	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	110				
Endosulfan, alpha-	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, alpha-	0.05	102				
Endosulfan, alpha-	0.05	89	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.

Endosulfan, alpha-	0.05	108				
Endosulfan, alpha-	0.05	93	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.1	102				
Endosulfan, beta-	0.02	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.05	96				
Endosulfan, beta-	0.05	114	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.05	108				
Endosulfan, beta-	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.05	83				
Endosulfan, beta-	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Endosulfan, beta-	0.05	106				
Endosulfan, beta-	0.05	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Fenhexamid	0.025	104				
Fenhexamid	0.02	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	90				
Fenhexamid	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.025	111				
Fenhexamid	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenitrothion	0.025	115				
Fenitrothion	0.05	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenitrothion	0.05	116				
Fenitrothion	0.05	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenitrothion	0.05	95				
Fenitrothion	0.05	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenitrothion	0.05	102				
Fenitrothion	0.075	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenitrothion	0.075	96				
Fenpropathrin	0.05	100				
Fenpropathrin	0.05	92	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenthion	0.025	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenthion	0.025	111				
Fenthion	0.025	121	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.05	102				
Fludioxonil	0.05	102	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.02	113				
Fludioxonil	0.025	108	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.02	93				
Fludioxonil	0.02	78	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	101				
Fludioxonil	0.02	98	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	92				
Fludioxonil	0.025	108	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.075	116				
Fludioxonil	0.075	115	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	122				
Fludioxonil	0.075	100	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.075	93				
Folpet	0.1	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	126				

Folpet	0.05	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	120				
Folpet	0.05	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	94				
Folpet	0.05	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Folpet	0.05	89				
Iprodione	0.1	104	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	108				
Iprodione	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.02	90				
Iprodione	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	104				
Iprodione	0.05	83	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	98				
Iprodione	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Kresoxim-Methyl	0.025	108	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Kresoxim-Methyl	0.05	91				
Kresoxim-Methyl	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Kresoxim-Methyl	0.05	112				
Kresoxim-Methyl	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Malathion	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Malathion	0.05	102				
Malathion	0.02	113	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Malathion	0.025	103				
Malathion	0.02	79	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Malathion	0.02	89				
Malathion	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Malathion	0.05	100				
Malathion	0.075	111	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Metalaxyl	0.025	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	108				
Metalaxyl	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	107				
Methiocarb	0.02	106				
Methiocarb	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	110				
Metolachlor	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	105				
Metolachlor	0.05	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	109				
Metolachlor	0.05	116	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Myclobutanil	0.025	91				
Napropamide	0.05	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Napropamide	0.05	112				
Parathion-Methyl	0.05	98				
Parathion-Methyl	0.05	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Parathion-Methyl	0.05	106				
Permethrin (sum)	0.05	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Permethrin (sum)	0.05	76				

Permethrin (sum)	0.05	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Permethrin (sum)	0.05	95				
Permethrin (sum)	0.05	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Permethrin (sum)	0.05	103				
Phosalone	0.05	66	None	LC	ESI(-)	IonTrap MSn
Pirimiphos-Methyl	0.05	111	None	LC	ESI(-)	IonTrap MSn
Propargite	0.02	108				
Propargite	0.02	100	None	LC	ESI(-)	IonTrap MSn
Propargite	0.02	111				
Propiconazole	0.5	80	None	LC	ESI(-)	IonTrap MSn
Vinclozolin	0.1	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	106				
Vinclozolin	0.05	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	100				
Vinclozolin	0.05	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	102				
Vinclozolin	0.05	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	108				
Vinclozolin	0.05	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.

Table S3 Method validation data from “EU Reference Laboratories for Residues of Pesticides” for blueberry.

Pesticide	Level	Rec	CI Details	Chr	Interface	Detector
Azinphos-Methyl	0.2	103	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Azinphos-Methyl	0.025	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Azinphos-Methyl	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.03	96	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.2	90	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Bifenthrin	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Bifenthrin	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.02	112	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Bifenthrin	0.05	78	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Bifenthrin	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Boscalid	0.02	82	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	83	None	LC	ESI(+)	Triple Quad.
Boscalid	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.025	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	120	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Boscalid	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	104	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	115	None	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.

Carbaryl	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.1	82	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	121	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carbaryl	0.02	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Chlorpyrifos	0.2	122	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Chlorpyrifos	0.05	97	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Chlorpyrifos	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	101	MgSO4/PSA/GCB (150/25/2,5 mg/mL)	GC	EI (pos)	ToF-MS
Chlorpyrifos	0.05	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Cyfluthrin (sum)	0.5	95	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Cyfluthrin (sum)	0.5	129	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Cyfluthrin (sum)	0.05	111	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Cyfluthrin (sum)	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyfluthrin (sum)	0.05	118	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Cyfluthrin (sum)	0.05	115	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cypermethrin (sum)	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	97	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cypermethrin (sum)	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Cyprodinil	0.02	100	None	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.025	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	113	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.02	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Cyprodinil	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Deltamethrin	0.05	85	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	75	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	111	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Deltamethrin	0.05	121	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Deltamethrin	0.05	109	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Diazinon	0.05	92	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Diazinon	0.2	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.

Diazinon	0.05	93	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Diazinon	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Diazinon	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Dichlofluanid	0.05	80	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Dichlofluanid	0.05	57	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Dichlofluanid	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Dichlofluanid	0.02	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Dichlofluanid	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Dichlofluanid	0.05	84	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Dichlofluanid	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	105	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	89	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, alpha-	0.05	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	82	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, alpha-	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, alpha-	0.05	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	118	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, beta-	0.05	94	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	93	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	75	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, beta-	0.05	118	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	118	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Endosulfan, beta-	0.05	120	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	118	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenhexamid	0.02	78	None	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	77	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.025	82	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	111	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	92	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenhexamid	0.02	86	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenitrothion	0.5	96	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Fenitrothion	0.5	113	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Fenitrothion	0.2	106	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Fenitrothion	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD

Fenitrothion	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.05	82	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.05	95	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenitrothion	0.05	92	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	114	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fenpropathrin	0.2	94	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Fenpropathrin	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Fenpropathrin	0.02	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenpropathrin	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenpropathrin	0.025	109	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenthion	0.05	119	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Fenthion	0.025	81	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenthion	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fenthion	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Fludioxonil	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Fludioxonil	0.02	83	MgSO4/PSA (150/25 mg/mL)	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	88	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	84	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	90	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.02	107	None	LC	ESI(-)	IonTrap MSn
Fludioxonil	0.02	102	None	LC	ESI(-)	IonTrap MSn
Fludioxonil	0.02	97	None	LC	ESI(-)	IonTrap MSn
Fludioxonil	0.02	97	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.02	85	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	107	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	95	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	102	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	100	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	112	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.075	106	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fludioxonil	0.025	117	None	LC	ESI(-)	Triple Quad.
Folpet	0.05	80	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	119	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	120	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Folpet	0.05	114	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	76	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	52	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Folpet	0.05	124	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Iprodione	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Iprodione	0.05	93	MgSO4/PSA/GCB (150/25/2,5 mg/mL)	GC	EI (pos)	ToF-MS

Iprodione	0.05	91	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Iprodione	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	120	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Kresoxim-Methyl	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Kresoxim-Methyl	0.025	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Kresoxim-Methyl	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Kresoxim-Methyl	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Kresoxim-Methyl	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Kresoxim-Methyl	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	103	None	LC	ESI(+)	Triple Quad.
Malathion	0.02	105	None	LC	ESI(+)	Triple Quad.
Malathion	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Malathion	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	116	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	118	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.02	120	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Malathion	0.05	122	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Metalaxyl	0.02	108	None	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	111	None	LC	ESI(+)	Triple Quad.
Metalaxyl	0.025	85	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	83	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.1	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.02	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	102	None	LC	ESI(+)	Triple Quad.
Methiocarb	0.025	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	72	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.1	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.02	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	91	None	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	99	None	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	89	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	108	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.

Metolachlor	0.02	118	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	116	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.02	88	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Myclobutanil	0.025	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Myclobutanil	0.1	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Myclobutanil	0.05	113	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Myclobutanil	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Myclobutanil	0.02	99	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Myclobutanil	0.025	103	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Napropamide	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Napropamide	0.02	104	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Napropamide	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Napropamide	0.075	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Parathion-Methyl	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Parathion-Methyl	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Parathion-Methyl	0.025	77	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Parathion-Methyl	0.075	87	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Permethrin (sum)	0.2	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Permethrin (sum)	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Permethrin (sum)	0.02	107	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Permethrin (sum)	0.02	100	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Permethrin (sum)	0.05	70	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Permethrin (sum)	0.05	89	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	75	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Permethrin (sum)	0.05	79	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Permethrin (sum)	0.05	112	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Pesticide	Level	Rec	CI Details	Chr	Interface	Detector
Phosalone	0.4	94	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Phosalone	0.4	112	MgSO4/PSA (150/25 mg/mL)	GC	None	ECD
Phosalone	0.2	129	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Phosalone	0.05	115	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Phosalone	0.02	106	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Phosalone	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Pirimiphos-Methyl	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Pirimiphos-Methyl	0.02	102	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Pirimiphos-Methyl	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Pirimiphos-Methyl	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.02	86	None	LC	ESI(+)	Triple Quad.
Propargite	0.025	78	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.02	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.1	96	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.02	114	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.02	118	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.02	97	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.

Propargite	0.02	105	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.02	110	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propargite	0.02	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propiconazole	0.025	77	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propiconazole	0.1	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propiconazole	0.02	117	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propiconazole	0.02	98	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.2	109	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Vinclozolin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Vinclozolin	0.05	86	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Vinclozolin	0.05	112	MgSO4/PSA/GCB (150/25/2,5 mg/mL)	GC	EI (pos)	ToF-MS
Vinclozolin	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Vinclozolin	0.05	116	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Vinclozolin	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Vinclozolin	0.05	84	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Vinclozolin	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Vinclozolin	0.05	110	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS

Table S4 Method validation data from “EU Reference Laboratories for Residues of Pesticides” for blackberry.

Pesticide	Level	Rec	CI Details	Chr	Interface	Detector
Azinphos-Methyl	0.05	117	None	LC	ESI(+)	Triple Quad.
Bifenthrin	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Bifenthrin	0.025	101	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.025	119	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Bifenthrin	0.4	86	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Bifenthrin	0.075	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Carfentrazone-Ethyl	0.025	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Carfentrazone-Ethyl	0.025	125	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Chlorpyrifos	0.05	104	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Chlorpyrifos	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Cyfluthrin (sum)	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cypermethrin (sum)	0.05	78	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Cyprodinil	0.05	100	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Cyprodinil	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Deltamethrin	0.05	93	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.
Diazinon	0.1	98	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Diazinon	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Dichlofluanid	0.05	90	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, alpha-	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Endosulfan, alpha-	0.05	71	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Endosulfan, beta-	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Endosulfan, beta-	0.05	88	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenitrothion	0.05	124	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Fenpropathrin	0.075	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Fludioxonil	0.05	107	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Fludioxonil	0.025	107	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.075	90	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.075	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Single Quad.

Fludioxonil	0.025	117	None	LC	ESI(-)	Triple Quad.
Fludioxonil	0.025	104	None	LC	ESI(-)	Triple Quad.
Folpet	0.05	87	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Iprodione	0.05	115	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Iprodione	0.05	99	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Kresoxim-Methyl	0.05	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Malathion	0.1	100	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Malathion	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Metalaxyl	0.05	94	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metalaxyl	0.05	103	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Metalaxyl	0.025	95	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Methiocarb	0.05	93	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Metolachlor	0.05	98	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Myclobutanil	0.05	86	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Myclobutanil	0.05	108	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Napropamide	0.05	84	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Parathion-Methyl	0.1	104	MgSO4/PSA (150/25 mg/mL)	GC	None	PFPD
Parathion-Methyl	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Permethrin (sum)	0.05	102	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Phosalone	0.05	117	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Pirimiphos-Methyl	0.05	101	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Pirimiphos-Methyl	0.05	97	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
Propargite	0.05	84	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Propiconazole	0.05	78	MgSO4/PSA (150/25 mg/mL)	LC	ESI(+)	Triple Quad.
Vinclozolin	0.05	106	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	Triple Quad.
Vinclozolin	0.05	96	MgSO4/PSA (150/25 mg/mL)	GC	CI (neg)	Single Quad.
Vinclozolin	0.05	99	MgSO4/PSA (150/25 mg/mL)	GC	EI (pos)	ToF-MS
