

METHOD STATEMENT



Determinand:

The determination of selected of triazine, conazole, phenyl urea, carbamate, organophosphorus and neutral compounds

Matrix:

Sample Type: Treated and Raw Waters

Principle of Method:

A direct aqueous large volume injection (LVI) on-line solid phase extraction procedure. Samples are analysed by high performance liquid chromatography with a triple quadrupole mass spectrometer detector. Samples are injected by large volume injection onto an enrichment column, the enrichment column is back flushed on to the analytical column. Organic compounds are separated and then identified and quantified with mass spectrometric detection in selected reaction monitoring (SRM) mode. Quantitation is based on an internal standardisation procedure.

Sampling and Sample Preparation:

Sampling, samples should be collected in 500mL coloured glass which has been proven to be suitable for this analysis, with PTFE lined screw caps and contain 0.500mL of sample preservative, 30g L⁻¹ w/v ascorbic acid.

Storage - samples should be analysed as soon as possible after collection. When this is not possible, they should be stored under refrigeration at 1-5°C in the dark, until analysis can begin.

The maximum permissible storage time prior to analysis is given below:

Information given below is either derived from BS EN ISO 5667-3: 2018 "Water Quality - Sampling - Part 3: Guidance on the preservation and handling of water samples (BS 6068-6.3:2003) or from ALS in-house data ["ALS IHD"] which is held by the Quality section.

Determinand	Maximum period of analyte stability prior to any extraction step (days)	Maximum period of analyte stability after to any extraction step (days)	Data is quoted from BS EN ISO 5667-3: 2018 ["ISO"] or ALS in-house data ["ALS-AS IHD"]
AMETRYN	21	N/A	ALS IHD
ATRAZINE	21	N/A	ALS IHD
ATRAZINE-DESETHYL	21	N/A	ALS IHD
ATRAZINE-DEISOPROPYL	21	N/A	ALS IHD
AZINPHOS-METHYL	21	N/A	ALS IHD
AZOXYSTROBIN	22	N/A	ALS IHD
BENZOVINDIFLUPYR	21	N/A	ALS IHD
BIXAFEN	22	N/A	ALS IHD
BOSCALID	21	N/A	ALS IHD
BROMACIL	21	N/A	ALS IHD
CARBENDAZIM	21	N/A	ALS IHD
CARBETAMIDE	21	N/A	ALS IHD
CHLORFENVINPHOS	21	N/A	ALS IHD
CHLORIDAZON	21	N/A	ALS IHD
CHLORTOLURON	21	N/A	ALS IHD
CYANAZINE	21	N/A	ALS IHD
CYPROCONAZOLE	21	N/A	ALS IHD
DICHLORVOS	21	N/A	ALS IHD
DICLOFENAC	21	N/A	ALS IHD
DIFENOCONAZOLE	21	N/A	ALS IHD
DIMETHENAMID-P	21	N/A	ALS IHD

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Determinand	Maximum period of analyte stability prior to any extraction step (days)	Maximum period of analyte stability after to any extraction step (days)	Data is quoted from BS EN ISO 5667-3: 2018 ["ISO"] or ALS in-house data ["ALS-AS IHD"]
DIMETHOATE	21	N/A	ALS IHD
DIURON	21	N/A	ALS IHD
EPTC	21	N/A	ALS IHD
EPOXICONAZOLE	21	N/A	ALS IHD
FLUFENACET	21	N/A	ALS IHD
FLUOPYRAM	21	N/A	ALS IHD
FLURTAMONE	21	N/A	ALS IHD
FLUSILAZOLE	21	N/A	ALS IHD
FLUTRIFOL	21	N/A	ALS IHD
FLUXAPYROXAD	21	N/A	ALS IHD
ISOPROTURON	21	N/A	ALS IHD
LENACIL	21	N/A	ALS IHD
LINURON	21	N/A	ALS IHD
MALATHION	21	N/A	ALS IHD
METAMITRON	21	N/A	ALS IHD
METAZACHLOR	21	N/A	ALS IHD
METCONAZOLE	22	N/A	ALS IHD
METHABENZTHIAZURON	21	N/A	ALS IHD
METHIOCARB	21	N/A	ALS IHD
METOBROMURON	21	N/A	ALS IHD
METOXURON	21	N/A	ALS IHD
METRIBUZIN	21	N/A	ALS IHD
METSULFURON-METHYL	14	N/A	ALS IHD
MEVINPHOS	21	N/A	ALS IHD
MONURON	21	N/A	ALS IHD
MYCLOBUTANIL	22	N/A	ALS IHD
OXADIXYL	21	N/A	ALS IHD
OXAMYL	21	N/A	ALS IHD
PROCHLORAZ	22	N/A	ALS IHD
PROMETRYN	21	N/A	ALS IHD
PROPACHLOR	21	N/A	ALS IHD
PROPAZINE	21	N/A	ALS IHD
PROPETAMPHOS	21	N/A	ALS IHD
PROPICONAZOLE	21	N/A	ALS IHD
PROSULFOCARB	21	N/A	ALS IHD
PROTHIOCONAZOLE-DESTHIO	22	N/A	ALS IHD
PYRACLOSTROBIN	21	N/A	ALS IHD
QUINMERAC	21	N/A	ALS IHD
SIMAZINE	21	N/A	ALS IHD
SPIROXAMINE	21	N/A	ALS IHD
TEBUCONAZOLE	21	N/A	ALS IHD
TERBUTHYLAZINE	21	N/A	ALS IHD
TERBUTRYN	21	N/A	ALS IHD
THIFENSULFURON-METHYL	21	N/A	ALS IHD
TRIAZOPHOS	21	N/A	ALS IHD
TRIAZINE	21	N/A	ALS IHD
TRIFLOXYSTROBIN	21	N/A	ALS IHD
TRINEXAPAC-ETHYL	22	N/A	ALS IHD

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Interferences

HPLC-MS/MS is an extremely selective technique and interferences should only be encountered very rarely. Any interfering compounds would have to display the identical SRM transition at the same retention time, this is extremely unlikely in potable water samples. However, any compound, which passes through the extraction procedure, and has a similar liquid chromatographic retention time and mass spectrometric properties to the compound of interest, will cause interference. Samples containing high humic or fulvic loading have been demonstrated to not cause significant ion suppression for the compounds.

Performance of Method:

Range of Application:

Instrument WQQQ3, WQQQ4, WQQQ6 and WQQQ8

Determinand	Operational Calibration Range
AMETRYN	LOQ - 0.150 µg L ⁻¹
AMETRYN	LOQ - 0.150 µg L ⁻¹
ATRAZINE	LOQ - 0.150 µg L ⁻¹
ATRAZINE-DESETHYL	LOQ - 0.150 µg L ⁻¹
ATRAZINE-DESIISOPROPYL	LOQ - 0.150 µg L ⁻¹
AZINPHOS-METHYL	LOQ - 0.150 µg L ⁻¹
AZOXYSTROBIN	LOQ - 0.150 µg L ⁻¹
BENZOVINDIFLUPYR	LOQ - 0.150 µg L ⁻¹
BIXAFEN	LOQ - 0.150 µg L ⁻¹
BOSCALID	LOQ - 0.150 µg L ⁻¹
BROMACIL	LOQ - 0.150 µg L ⁻¹
CARBENDAZIM	LOQ - 0.150 µg L ⁻¹
CARBETAMIDE	LOQ - 0.150 µg L ⁻¹
CHLORFENVINPHOS	LOQ - 0.150 µg L ⁻¹
CHLORIDAZON	LOQ - 0.150 µg L ⁻¹
CHLORTOLURON	LOQ - 0.150 µg L ⁻¹
CYANAZINE	LOQ - 0.150 µg L ⁻¹
CYPROCONAZOLE	LOQ - 0.150 µg L ⁻¹
DICHLORVOS	LOQ - 0.150 µg L ⁻¹
DICLOFENAC	LOQ - 0.150 µg L ⁻¹
DIFENOCONAZOLE	LOQ - 0.150 µg L ⁻¹
DIMETHENAMID-P	LOQ - 0.150 µg L ⁻¹
DIMETHOATE	LOQ - 0.150 µg L ⁻¹
DIURON	LOQ - 0.150 µg L ⁻¹
EPOXICONAZOLE	LOQ - 0.150 µg L ⁻¹
EPTC	LOQ - 0.150 µg L ⁻¹
FLUFENACET	LOQ - 0.150 µg L ⁻¹
FLUOPYRAM	LOQ - 0.150 µg L ⁻¹
FLURTAMONE	LOQ - 0.150 µg L ⁻¹
FLUSILAZOLE	LOQ - 0.150 µg L ⁻¹
FLUTRIFOL	LOQ - 0.150 µg L ⁻¹
FLUXAPYROXAD	LOQ - 0.150 µg L ⁻¹
ISOPROTURON	LOQ - 0.150 µg L ⁻¹
LENACIL	LOQ - 0.150 µg L ⁻¹
LINURON	LOQ - 0.150 µg L ⁻¹

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Determinand	Operational Calibration Range
MALATHION	LOQ - 0.150 µg L ⁻¹
METAMITRON	LOQ - 0.150 µg L ⁻¹
METAZACHLOR	LOQ - 0.150 µg L ⁻¹
METCONAZOLE	LOQ - 0.150 µg L ⁻¹
METHABENZTHIAZURON	LOQ - 0.150 µg L ⁻¹
METHIOCARB	LOQ - 0.150 µg L ⁻¹
METOBROMURON	LOQ - 0.150 µg L ⁻¹
METOXURON	LOQ - 0.150 µg L ⁻¹
METRIBUZIN	LOQ - 0.150 µg L ⁻¹
METSULFURON-METHYL	LOQ - 0.150 µg L ⁻¹
MEVINPHOS	LOQ - 0.150 µg L ⁻¹
MONURON	LOQ - 0.150 µg L ⁻¹
MYCLOBUTANIL	LOQ - 0.150 µg L ⁻¹
OXADIXYL	LOQ - 0.150 µg L ⁻¹
OXAMYL	LOQ - 0.150 µg L ⁻¹
PROCHLORAZ	LOQ - 0.150 µg L ⁻¹
PROMETRYN	LOQ - 0.150 µg L ⁻¹
PROPACHLOR	LOQ - 0.150 µg L ⁻¹
PROPAZINE	LOQ - 0.150 µg L ⁻¹
PROPETAMPHOS	LOQ - 0.150 µg L ⁻¹
PROPICONAZOLE	LOQ - 0.150 µg L ⁻¹
PROSULFOCARB	LOQ - 0.150 µg L ⁻¹
PROTHIOCONAZOLE-DESTHIO	LOQ - 0.150 µg L ⁻¹
PYRACLOSTROBIN	LOQ - 0.150 µg L ⁻¹
QUINMERAC	LOQ - 0.150 µg L ⁻¹
SIMAZINE	LOQ - 0.150 µg L ⁻¹
SPIROXAMINE	LOQ - 0.150 µg L ⁻¹
TEBUCONAZOLE	LOQ - 0.150 µg L ⁻¹
TERBUTHYLAZINE	LOQ - 0.150 µg L ⁻¹
TERBUTRYN	LOQ - 0.150 µg L ⁻¹
THIFENSULFURON-METHYL	LOQ - 0.150 µg L ⁻¹
TRIAZOPHOS	LOQ - 0.150 µg L ⁻¹
TRIAZINE	LOQ - 0.150 µg L ⁻¹
TRIFLOXYSTROBIN	LOQ - 0.150 µg L ⁻¹
TRINEXAPAC-ETHYL	LOQ - 0.150 µg L ⁻¹

Limit of Quantification, Recoveries of Compounds, Bias and Uncertainty of Measurement: Instrument 1, WQQQ3:

Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Ametryn	99.0%	1.5%	100.3%	0.9%	97.8%	1.0%	± 7.34 %
Atrazine	98.9%	1.3%	100.2%	1.0%	98.6%	1.2%	± 6.55 %
Atrazine-desethyl	99.5%	2.8%	100.0%	1.9%	88.9%	2.6%	± 23.32 %
Atrazine-desisopropyl	98.8%	3.7%	100.2%	2.5%	90.3%	2.4%	± 20.64 %
Azinphos-methyl	99.3%	1.8%	99.7%	1.2%	99.9%	1.2%	± 5.93 %
Azoxystrobin	100.4%	4.6%	101.3%	3.1%	101.4%	3.8%	± 10.08 %
Benzovindiflupyr	110.8%	14.3%	103.7%	5.3%	108.0%	8.7%	± 21.40%

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Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Bixafen	104.2%	8.7%	100.3%	4.3%	101.6%	4.0%	± 11.17 %
Boscalid	101.0%	5.3%	100.7%	3.0%	99.4%	2.4%	± 8.38 %
Bromacil	99.4%	6.4%	101.2%	2.0%	102.8%	3.5%	± 9.27 %
Carbendazim	98.1%	1.7%	100.1%	1.3%	98.8%	1.1%	± 8.07 %
Carbetamide	101.6%	4.5%	101.3%	2.4%	102.2%	2.3%	± 8.68 %
Chlorfenvinphos	101.4%	5.7%	101.5%	5.9%	104.3%	5.2%	± 13.75 %
Chloridazon	102.9%	9.5%	100.3%	5.3%	98.8%	5.3%	± 12.75 %
Chlortoluron	100.1%	2.7%	99.9%	3.0%	99.4%	2.4%	± 7.67 %
Cyanazine	99.1%	2.7%	100.3%	1.6%	100.5%	2.0%	± 6.38 %
Cyproconazole	101.3%	3.5%	99.7%	3.5%	100.6%	3.2%	± 8.62 %
Dichlorvos	99.5%	3.6%	101.6%	2.2%	100.7%	2.6%	± 7.80 %
Diclofenac	103.6%	12.9%	99.1%	7.1%	102.5%	6.2%	± 20.19%
Difenoconazole	98.6%	5.5%	101.1%	3.2%	100.7%	4.6%	± 10.10 %
Dimethenamid-P	101.2%	5.2%	103.3%	3.1%	103.5%	3.2%	± 10.27%
Dimethoate	99.9%	3.5%	100.2%	2.0%	100.1%	1.8%	± 6.94 %
Diuron	101.9%	5.0%	102.7%	2.0%	102.3%	2.9%	± 9.77 %
Epoxiconazole	98.4%	3.2%	99.8%	2.7%	100.3%	3.2%	± 7.70 %
EPTC	100.4%	7.8%	100.2%	2.8%	101.4%	3.6%	± 10.56 %
Flufenacet	100.6%	5.1%	102.5%	5.3%	102.7%	4.8%	± 13.31 %
Fluopyram	102.2%	5.9%	100.9%	3.3%	101.2%	2.8%	± 9.67 %
Flurtamone	99.2%	2.9%	100.6%	1.7%	99.7%	2.0%	± 7.15 %
Flusilazole	99.8%	3.0%	100.2%	3.7%	101.2%	2.8%	± 8.27 %
Flutriafol	98.9%	1.9%	100.5%	1.2%	103.5%	1.1%	± 9.50 %
Fluxapyroxad	103.3%	6.5%	100.5%	5.0%	100.8%	4.5%	± 10.10 %
Isoproturon	99.3%	2.5%	100.4%	1.5%	100.1%	1.6%	± 6.77 %
Lenacil	99.0%	4.1%	100.9%	2.8%	103.6%	2.5%	± 10.88 %
Linuron	100.5%	5.7%	101.5%	3.0%	102.6%	4.6%	± 10.43 %
Malathion	101.5%	3.9%	100.0%	3.0%	100.5%	3.0%	± 9.75 %
Metamitron	103.45%	3.2%	105.3%	2.1%	103.2%	2.6%	± 21.67 %
Metazachlor	100.8%	3.4%	101.5%	1.7%	100.5%	2.0%	± 6.67 %
Metconazole	98.6%	2.4%	99.8%	1.8%	100.3%	2.4%	± 7.71 %
Methabenzthiazuron	99.6%	3.5%	99.6%	1.9%	99.8%	2.5%	± 7.16 %
Methiocarb	99.8%	4.2%	102.2%	2.9%	104.3%	2.5%	± 12.87 %
Metobromuron	99.7%	5.4%	100.5%	3.1%	100.1%	3.4%	± 10.77 %
Metoxuron	99.8%	3.7%	99.9%	3.4%	101.3%	2.9%	± 8.52 %
Metribuzin	100.9%	2.1%	100.2%	1.2%	99.0%	1.7%	± 6.74 %
Metsulfuron-methyl	108.9%	17.4%	100.4%	4.0%	95.5%	4.9%	± 15.26 %
Mevinphos	99.7%	4.9%	101.3%	2.0%	100.5%	2.1%	± 7.44 %
Monuron	98.8%	3.7%	100.1%	3.0%	100.1%	2.8%	± 6.84 %
Myclobutanil	100.1%	3.9%	101.0%	4.4%	101.1%	3.5%	± 8.96 %
Oxadixyl	100.8%	4.4%	102.2%	2.4%	102.1%	3.2%	± 8.66 %
Oxamyl	97.8%	3.1%	98.7%	2.0%	98.6%	1.2%	± 5.75 %
Prochloraz	99.5%	2.3%	101.3%	1.6%	105.3%	1.8%	± 12.52 %
Prometryn	99.8%	2.9%	99.8%	0.8%	99.1%	1.2%	± 5.92 %
Propachlor	100.9%	3.8%	102.0%	2.6%	100.5%	2.9%	± 7.06 %
Propazine	99.7%	1.9%	100.4%	1.2%	97.4%	1.6%	± 8.03 %

METHOD STATEMENT



<u>Determinand</u>	<u>Direct Standards</u>				<u>Elvington Treated Water (Hard Hardness)</u>		
	<u>Low Standard</u>		<u>High Standard</u>		<u>PCV Spike</u>		
	<u>Recovery</u>	<u>RSD</u>	<u>Recovery</u>	<u>RSD</u>	<u>Recovery</u>	<u>RSD</u>	<u>UoM</u>
Propetamphos	103.5%	7.8%	100.6%	3.6%	101.4%	4.3%	± 11.08 %
Propiconazole	99.9%	4.5%	100.6%	2.6%	101.1%	2.9%	± 8.38 %
Prosulfocarb	97.7%	5.5%	99.0%	6.7%	101.9%	4.7%	± 17.62 %
Prothioconazole-desthio	98.5%	4.2%	99.1%	4.0%	99.0%	3.4%	± 8.48 %
Pyraclostrobin	96.9%	7.3%	101.9%	4.1%	100.2%	4.8%	± 12.78 %
Quinmerac	99.4%	3.3%	99.2%	2.3%	98.8%	4.0%	± 8.23 %
Simazine	98.6%	2.1%	100.0%	1.1%	99.5%	1.6%	± 5.94 %
Spiroxamine	98.7%	3.7%	101.4%	4.9%	101.8%	3.5%	± 9.51 %
Tebuconazole	99.2%	2.3%	99.7%	2.3%	99.8%	2.6%	± 6.69 %
Terbutylazine	100.0%	1.6%	100.4%	1.2%	98.0%	2.0%	± 7.29 %
Terbutryn	99.2%	1.4%	100.1%	0.8%	99.7%	1.0%	± 5.76 %
Thifensulfuron-methyl	100.3%	5.5%	99.9%	3.8%	103.8%	4.0%	± 20.22 %
Triazophos	100.1%	5.4%	99.3%	3.1%	99.7%	3.7%	± 9.89 %
Trietazine	97.7%	2.6%	99.9%	1.7%	103.9%	1.7%	± 10.35 %
Trifloxystrobin	104.0%	11.3%	101.5%	7.5%	101.7%	7.8%	± 34.32 %
Trinexapac-ethyl	102.3%	7.9%	98.6%	5.7%	102.1%	5.0%	± 14.28 %

Instrument 2, WQQQ4:

<u>Determinand</u>	<u>Direct Standards</u>				<u>Elvington Treated Water (Hard Hardness)</u>		
	<u>Low Standard</u>		<u>High Standard</u>		<u>PCV Spike</u>		
	<u>Recovery</u>	<u>RSD</u>	<u>Recovery</u>	<u>RSD</u>	<u>Recovery</u>	<u>RSD</u>	<u>UoM</u>
Ametryn	99.8%	1.7%	100.0%	1.6%	100.0%	1.1%	± 6.90 %
Atrazine	99.9%	3.3%	99.7%	1.5%	99.9%	1.6%	± 6.32 %
Atrazine-desethyl	102.1%	2.7%	100.4%	3.0%	99.2%	3.3%	± 8.93 %
Atrazine-desisopropyl	100.6%	4.0%	98.1%	3.5%	90.5%	5.3%	± 21.78 %
Azinphos-methyl	101.1%	1.7%	99.8%	1.3%	100.8%	1.7%	± 6.89 %
Azoxystrobin	96.4%	8.6%	98.4%	7.4%	100.0%	8.8%	± 18.53 %
Benzovindiflupyr	103.6%	7.8%	102.2%	8.6%	106.9%	6.5%	± 27.50 %
Bixafen	100.7%	4.5%	101.5%	5.7%	100.7%	3.7%	± 10.61 %
Boscalid	98.0%	5.1%	99.0%	4.7%	98.8%	4.9%	± 10.37 %
Bromacil	96.8%	6.8%	97.7%	6.6%	99.1%	6.5%	± 18.54 %
Carbendazim	99.3%	1.5%	100.0%	0.7%	100.9%	1.3%	± 9.78 %
Carbetamide	102.8%	3.7%	99.4%	2.1%	100.1%	2.2%	± 6.82 %
Chlorfenvinphos	97.9%	4.6%	100.4%	5.7%	102.9%	3.8%	± 12.84 %
Chloridazon	100.3%	5.4%	97.3%	3.4%	100.9%	3.5%	± 9.26 %
Chlortoluron	103.1%	3.9%	99.9%	3.7%	99.2%	5.0%	± 10.03 %
Cyanazine	99.7%	1.9%	99.2%	1.6%	99.8%	1.9%	± 6.79 %
Cyproconazole	100.5%	3.3%	100.6%	4.1%	100.8%	3.1%	± 9.09 %
Dichlorvos	100.5%	3.2%	99.2%	2.1%	100.4%	2.2%	± 8.34 %
Diclofenac	97.9%	4.8%	100.3%	5.1%	100.5%	5.6%	± 17.95 %
Difenoconazole	100.9%	3.0%	100.4%	2.6%	103.8%	2.3%	± 11.11 %
Dimethenamid-P	101.8%	6.3%	102.3%	6.1%	103.6%	6.1%	± 20.63 %
Dimethoate	100.8%	2.8%	100.4%	2.1%	102.2%	2.5%	± 11.03 %
Diuron	102.9%	6.9%	99.5%	5.8%	102.3%	6.0%	± 13.98 %
Epiconazole	99.9%	2.6%	100.0%	3.5%	101.0%	2.4%	± 8.53 %
EPTC	100.8%	4.9%	100.3%	2.8%	102.2%	3.3%	± 9.81 %

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Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Flufenacet	96.8%	10.0%	95.6%	9.1%	96.3%	10.0%	± 23.32 %
Fluopyram	99.0%	4.1%	99.9%	3.8%	99.8%	6.3%	± 15.55 %
Flurtamone	99.3%	3.2%	98.6%	2.7%	99.7%	3.6%	± 7.19 %
Flusilazol	99.4%	3.2%	99.8%	3.2%	102.7%	2.4%	± 9.94 %
Flutriafol	100.3%	3.3%	99.5%	2.5%	103.0%	2.2%	± 10.32 %
Fluxapyroxad	101.3%	3.3%	101.1%	6.8%	99.6%	3.0%	± 10.46 %
Isoproturon	101.8%	4.3%	101.3%	3.7%	102.0%	3.8%	± 9.57 %
Lenacil	98.2%	6.3%	98.8%	4.3%	102.3%	4.7%	± 11.63 %
Linuron	99.6%	5.5%	100.4%	5.4%	98.7%	6.2%	± 13.38 %
Malathion	101.6%	3.6%	99.8%	2.0%	101.6%	2.1%	± 8.78 %
Metamitron	100.9%	5.2%	103.2%	5.5%	96.4%	7.3%	± 12.94 %
Metazachlor	98.2%	5.1%	98.6%	3.3%	100.8%	4.9%	± 10.38 %
Metconazole	98.2%	3.6%	99.5%	3.7%	99.5%	3.2%	± 9.32 %
Methabenzthiazuron	105.0%	3.9%	103.9%	3.6%	105.1%	3.7%	± 14.23 %
Methiocarb	102.3%	7.0%	101.6%	5.6%	102.2%	8.2%	± 15.37 %
Metobromuron	98.0%	6.0%	98.3%	5.5%	97.9%	5.9%	± 13.98 %
Metoxuron	101.5%	4.7%	100.2%	3.2%	108.0%	3.1%	± 19.59 %
Metribuzin	99.9%	2.0%	100.7%	1.9%	102.8%	2.3%	± 10.10 %
Metsulfuron-methyl	101.3%	8.9%	96.7%	3.8%	99.1%	4.6%	± 19.03 %
Mevinphos	101.0%	4.1%	99.9%	3.3%	102.3%	2.7%	± 9.03 %
Monuron	101.1%	2.7%	100.4%	2.6%	100.9%	2.0%	± 7.28 %
Myclobutanil	99.6%	4.2%	98.0%	4.7%	101.2%	4.2%	± 7.56 %
Oxadixyl	96.6%	4.5%	99.0%	5.0%	102.0%	3.2%	± 8.99 %
Oxamyl	98.0%	2.5%	100.1%	1.5%	100.0%	1.2%	± 5.32 %
Prochloraz	100.9%	3.7%	101.0%	2.2%	101.8%	3.1%	± 8.96 %
Prometryn	99.5%	1.8%	100.3%	1.5%	100.9%	1.1%	± 7.09 %
Propachlor	97.8%	7.4%	97.4%	4.5%	98.0%	5.8%	± 13.55 %
Propazine	99.8%	3.3%	99.7%	1.4%	99.7%	1.5%	± 6.88 %
Propetamphos	102.1%	5.7%	98.6%	2.5%	100.5%	5.0%	± 9.40 %
Propiconazole	99.2%	2.2%	98.5%	2.3%	99.7%	1.8%	± 6.98 %
Prosulfocarb	94.9%	10.0%	96.6%	6.5%	94.9%	8.6%	± 22.63 %
Prothioconazole-desthio	98.0%	4.7%	99.7%	5.7%	99.4%	4.0%	± 11.14 %
Pyraclostrobin	98.3%	2.5%	99.2%	2.4%	99.6%	2.4%	± 7.40 %
Quinmerac	102.8%	5.4%	100.9%	3.6%	114.3%	7.2%	± 30.88 %
Simazine	100.4%	2.8%	99.5%	1.4%	100.3%	1.7%	± 6.85 %
Spiroxamine	100.0%	5.0%	99.1%	5.7%	104.8%	5.5%	± 14.09 %
Tebuconazole	99.2%	2.8%	100.0%	2.1%	100.9%	2.3%	± 8.58 %
Terbutylazine	100.4%	2.2%	100.4%	1.8%	101.1%	1.6%	± 7.27 %
Terbutryn	100.1%	1.7%	100.2%	1.3%	100.8%	1.3%	± 7.66 %
Thifensulfuron-methyl	95.4%	6.3%	97.9%	4.8%	103.1%	4.0%	± 14.15 %
Triazophos	101.5%	4.5%	101.0%	3.0%	102.9%	2.2%	± 10.69 %
Trietazine	99.7%	2.7%	100.0%	3.4%	101.5%	1.9%	± 7.38 %
Trifloxystrobin	99.6%	10.0%	98.7%	7.9%	101.2%	6.2%	± 21.58 %
Trinexapac-ethyl	104.4%	6.1%	101.4%	6.2%	102.2%	3.3%	± 10.06 %

Instrument 3, WQQQ6:

METHOD STATEMENT



Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Ametryn	98.8%	2.2%	99.2%	1.2%	98.7%	1.2%	± 6.91 %
Atrazine	99.5%	2.0%	100.5%	1.6%	99.2%	1.3%	± 6.01 %
Atrazine-desethyl	99.1%	2.4%	99.5%	2.4%	96.1%	3.1%	± 12.17 %
Atrazine-desisopropyl	100.1%	5.9%	98.4%	3.0%	89.2%	7.0%	± 23.95 %
Azinphos-methyl	100.1%	1.9%	99.4%	1.6%	101.1%	1.3%	± 6.72 %
Azoxystrobin	102.1%	5.3%	100.3%	3.3%	100.8%	3.5%	± 9.52 %
Benzovindiflupyr	101.6%	10.6%	101.2%	5.7%	104.4%	8.3%	± 20.61 %
Bixafen	98.1%	5.6%	100.9%	6.0%	99.5%	3.3%	± 10.01 %
Boscalid	100.9%	5.5%	99.6%	3.9%	98.9%	3.1%	± 9.51 %
Bromacil	100.9%	4.9%	98.9%	3.1%	100.7%	5.3%	± 9.01 %
Carbendazim	100.9%	2.8%	100.3%	1.3%	101.0%	1.1%	± 9.44 %
Carbetamide	101.9%	4.2%	100.5%	2.6%	100.6%	2.2%	± 7.65 %
Chlorfenvinphos	102.5%	6.4%	100.0%	4.9%	101.6%	5.5%	± 12.47 %
Chloridazon	100.4%	4.7%	98.8%	5.1%	98.6%	4.6%	± 12.52 %
Chlortoluron	99.8%	3.1%	100.1%	2.0%	100.6%	2.0%	± 7.14 %
Cyanazine	99.4%	2.2%	100.2%	2.1%	100.8%	2.0%	± 6.40 %
Cyproconazole	101.6%	4.4%	102.1%	3.6%	100.4%	3.1%	± 8.23 %
Dichlorvos	99.5%	4.2%	100.6%	2.1%	100.3%	2.3%	± 8.12 %
Diclofenac	102.5%	10.4%	99.9%	4.8%	100.5%	7.7%	± 18.56 %
Difenoconazole	98.2%	4.6%	99.5%	3.3%	101.8%	4.4%	± 10.05 %
Dimethenamid-P	97.8%	4.3%	100.1%	3.2%	101.0%	2.9%	± 8.19 %
Dimethoate	99.5%	3.0%	99.5%	2.7%	101.0%	2.3%	± 8.12 %
Diuron	104.9%	6.0%	100.6%	3.8%	102.6%	3.2%	± 10.52 %
Epiconazole	98.1%	3.5%	100.3%	2.5%	99.4%	2.6%	± 7.55 %
EPTC	101.6%	5.2%	99.8%	2.7%	101.5%	3.5%	± 10.69 %
Flufenacet	102.5%	5.8%	100.9%	3.7%	99.4%	3.8%	± 10.28 %
Fluopyram	98.1%	4.4%	99.5%	2.7%	100.8%	2.7%	± 9.20 %
Flurtamone	100.8%	3.7%	100.6%	2.3%	100.4%	2.2%	± 8.36 %
Flusilazole	101.0%	2.9%	101.3%	1.7%	101.9%	1.9%	± 8.62 %
Flutriafol	100.8%	2.7%	100.5%	1.4%	100.6%	2.3%	± 7.07 %
Fluxapyroxad	100.2%	4.3%	100.9%	4.8%	99.7%	4.9%	± 12.54 %
Isoproturon	101.1%	2.9%	100.3%	1.9%	101.8%	1.7%	± 7.76 %
Lenacil	100.5%	4.2%	99.4%	2.2%	100.0%	2.2%	± 8.37 %
Linuron	103.0%	6.6%	102.4%	4.4%	101.1%	4.2%	± 10.33 %
Malathion	98.2%	3.7%	100.2%	3.0%	100.2%	2.7%	± 8.46 %
Metamitron	100.3%	5.7%	106.1%	6.7%	99.8%	9.5%	± 13.14 %
Metazachlor	100.5%	3.8%	100.5%	2.0%	100.6%	2.2%	± 7.58 %
Metconazole	99.4%	2.9%	101.5%	1.7%	100.3%	2.0%	± 7.66 %
Methabenzthiazuron	100.3%	2.5%	100.3%	2.2%	100.8%	2.1%	± 6.56 %
Methiocarb	100.2%	5.0%	100.4%	4.1%	101.2%	3.3%	± 9.71 %
Metobromuron	98.4%	4.5%	99.5%	4.0%	97.5%	3.4%	± 10.79 %
Metoxuron	100.9%	2.9%	100.8%	2.1%	102.7%	6.8%	± 11.19 %
Metribuzin	101.3%	3.0%	100.9%	2.0%	100.9%	3.3%	± 7.29 %
Metsulfuron-methyl	110.7%	15.6%	101.7%	6.9%	97.7%	6.7%	± 27.22 %
Mevinphos	99.9%	2.4%	100.3%	2.0%	102.8%	7.8%	± 10.39 %
Monuron	99.2%	3.8%	100.9%	2.9%	102.7%	4.3%	± 10.37 %

METHOD STATEMENT



Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Myclobutanil	101.3%	2.6%	101.0%	2.7%	100.8%	2.4%	± 7.79 %
Oxadixyl	102.1%	4.5%	100.8%	2.5%	101.6%	6.2%	± 10.15 %
Oxamyl	96.6%	2.0%	99.3%	1.1%	99.0%	1.1%	± 5.02 %
Prochloraz	106.8%	11.2%	104.5%	6.4%	109.1%	6.4%	± 25.76 %
Prometryn	99.7%	2.1%	99.9%	1.3%	99.7%	1.3%	± 6.61 %
Propachlor	101.1%	4.0%	99.7%	2.1%	99.6%	2.1%	± 7.32 %
Propazine	100.4%	3.0%	100.1%	1.6%	99.2%	2.3%	± 7.40 %
Propetamphos	101.6%	8.0%	100.9%	4.6%	100.3%	4.2%	± 10.11 %
Propiconazole	100.6%	3.1%	100.7%	1.7%	100.1%	2.1%	± 6.38 %
Prosulfocarb	98.8%	10.8%	99.2%	4.1%	98.4%	8.0%	± 15.08 %
Prothioconazole-desthio	99.6%	3.7%	100.9%	3.2%	99.6%	3.6%	± 8.47 %
Pyraclostrobin	98.9%	5.1%	100.4%	1.9%	99.5%	3.3%	± 8.31 %
Quinmerac	102.8%	5.1%	101.3%	2.1%	107.2%	4.7%	± 16.35 %
Simazine	100.3%	2.4%	99.9%	1.1%	100.0%	1.2%	± 6.23 %
Spiroxamine	100.4%	6.5%	98.4%	4.1%	105.0%	6.2%	± 16.21 %
Tebuconazole	100.4%	3.0%	101.5%	2.0%	100.1%	1.8%	± 6.19 %
Terbuthylazine	100.6%	3.0%	100.4%	1.1%	99.4%	2.1%	± 6.95 %
Terbutryn	99.4%	1.5%	99.9%	1.0%	99.4%	1.6%	± 6.38 %
Thifensulfuron-methyl	99.6%	7.5%	97.6%	2.5%	102.9%	4.1%	± 14.14 %
Triazophos	100.8%	5.9%	101.1%	5.2%	102.5%	4.8%	± 11.37 %
Trietazine	99.1%	3.4%	99.5%	1.6%	99.6%	2.0%	± 6.90 %
Trifloxystrobin	100.9%	8.1%	100.6%	8.7%	100.8%	11.5%	± 18.63 %
Trinexapac-ethyl	98.1%	5.3%	100.2%	4.7%	101.4%	2.9%	± 10.65 %

Instrument 4: WQQQ8

Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Ametryn	99.9%	1.4%	99.4%	1.1%	99.0%	1.1%	± 6.04 %
Atrazine	99.9%	1.0%	99.8%	0.8%	99.0%	1.3%	± 5.94 %
Atrazine-desethyl	100.8%	2.1%	99.9%	0.7%	96.1%	2.0%	± 9.85 %
Atrazine-desisopropyl	100.2%	2.3%	99.2%	2.6%	88.5%	4.8%	± 24.21 %
Azinphos-methyl	102.2%	2.1%	99.6%	1.5%	101.2%	2.0%	± 7.21 %
Azoxystrobin	99.0%	4.0%	100.2%	4.0%	101.0%	4.0%	± 11.58 %
Benzovindiflupyr	99.2%	8.3%	99.8%	7.3%	102.8%	7.5%	± 15.78 %
Bixafen	100.7%	5.3%	99.2%	2.6%	100.0%	4.6%	± 9.82 %
Boscalid	98.5%	3.1%	100.0%	1.4%	99.6%	2.9%	± 7.09 %
Bromacil	99.5%	2.4%	99.6%	2.8%	102.1%	3.5%	± 9.90 %
Carbendazim	100.6%	1.5%	100.0%	1.4%	100.2%	1.8%	± 6.03 %
Carbetamide	100.4%	3.4%	100.0%	1.7%	100.9%	1.7%	± 6.71 %
Chlorfenvinphos	99.3%	5.1%	97.8%	4.4%	97.9%	5.3%	± 11.50 %
Chloridazon	97.5%	8.7%	95.9%	7.4%	99.0%	8.3%	± 17.29 %
Chlortoluron	99.0%	1.7%	99.8%	1.2%	99.7%	1.4%	± 6.21 %
Cyanazine	98.7%	1.8%	99.7%	1.0%	99.3%	1.3%	± 5.85 %
Cyproconazole	99.7%	2.1%	100.7%	1.9%	100.8%	2.2%	± 7.27 %
Dichlorvos	99.3%	2.9%	99.5%	1.7%	100.4%	1.6%	± 6.33 %

METHOD STATEMENT



Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Diclofenac	105.5%	7.2%	102.3%	7.9%	103.0%	9.8%	± 25.14 %
Difenoconazole	98.7%	3.8%	99.5%	3.0%	100.2%	3.6%	± 8.36 %
Dimethenamid-P	100.9%	3.4%	101.1%	2.7%	102.8%	2.7%	± 9.54 %
Dimethoate	99.7%	2.1%	100.1%	2.2%	101.2%	2.0%	± 6.65 %
Diuron	102.1%	2.4%	100.4%	2.7%	101.6%	2.7%	± 7.73 %
Epiconazole	99.5%	1.7%	99.9%	1.8%	100.1%	1.8%	± 6.65 %
EPTC	98.1%	1.8%	98.8%	1.5%	99.2%	2.2%	± 6.58 %
Flufenacet	99.4%	4.7%	100.1%	4.1%	100.4%	5.3%	± 11.22 %
Fluopyram	100.2%	3.5%	99.6%	2.9%	100.1%	3.4%	± 8.32 %
Flurtamone	100.6%	2.4%	99.9%	1.3%	100.9%	2.2%	± 7.03 %
Flusilazole	99.7%	2.7%	99.7%	2.0%	99.8%	2.3%	± 7.66 %
Flutriafol	99.4%	1.0%	100.2%	0.6%	101.4%	2.6%	± 6.39 %
Fluxapyroxad	101.7%	4.4%	100.0%	3.4%	100.3%	3.8%	± 9.70 %
Isoproturon	101.3%	1.0%	99.8%	1.2%	100.7%	1.7%	± 6.06 %
Lenacil	98.8%	2.9%	100.0%	1.7%	102.0%	2.8%	± 7.48 %
Linuron	100.8%	3.2%	100.7%	2.6%	99.5%	3.3%	± 8.52 %
Malathion	99.0%	2.5%	99.3%	1.4%	100.0%	5.3%	± 7.80 %
Metamitron	101.8%	3.9%	104.8%	4.9%	105.0%	5.8%	± 13.06 %
Metazachlor	100.5%	1.9%	100.0%	1.1%	101.1%	2.3%	± 6.57 %
Metconazole	99.6%	1.2%	99.9%	1.2%	99.6%	1.7%	± 5.79 %
Methabenzthiazuron	100.0%	1.6%	99.8%	1.3%	99.3%	1.4%	± 5.99 %
Methiocarb	101.3%	4.2%	100.9%	3.1%	101.7%	3.3%	± 9.49 %
Metobromuron	101.1%	5.1%	101.4%	3.2%	101.8%	3.1%	± 8.35 %
Metoxuron	98.9%	1.5%	99.5%	1.3%	102.3%	1.6%	± 7.50 %
Metribuzin	100.9%	2.2%	101.1%	1.4%	102.1%	1.9%	± 7.17 %
Metsulfuron-methyl	101.7%	5.7%	99.2%	2.6%	97.9%	4.8%	± 11.35 %
Mevinphos	99.6%	2.0%	99.5%	1.7%	101.3%	1.4%	± 6.76 %
Monuron	99.0%	1.8%	99.8%	1.1%	99.4%	1.7%	± 6.01 %
Myclobutanil	99.1%	2.3%	99.0%	2.6%	99.1%	4.2%	± 8.91 %
Oxadixyl	98.3%	2.8%	99.3%	2.0%	99.6%	2.2%	± 6.52 %
Oxamyl	97.5%	2.6%	99.0%	1.1%	98.8%	1.0%	± 5.16 %
Prochloraz	101.9%	6.4%	101.9%	4.1%	104.0%	4.2%	± 14.01 %
Prometryn	98.8%	1.7%	99.3%	1.2%	99.1%	1.4%	± 5.99 %
Propachlor	100.7%	2.0%	100.3%	1.7%	100.7%	2.2%	± 6.79 %
Propazine	100.1%	1.5%	99.6%	1.3%	98.8%	1.5%	± 6.45 %
Propetamphos	98.6%	4.0%	97.9%	2.3%	97.1%	3.2%	± 9.41 %
Propiconazole	99.4%	1.4%	100.1%	1.3%	99.9%	1.2%	± 5.75 %
Prosulfocarb	100.5%	8.3%	101.3%	4.3%	100.9%	6.4%	± 13.91 %
Prothioconazole-desthio	99.5%	1.7%	100.2%	2.4%	100.5%	2.9%	± 7.93 %
Pyraclostrobin	102.9%	5.0%	102.1%	5.0%	102.0%	5.2%	± 13.58 %
Quinmerac	100.3%	1.7%	99.4%	1.5%	110.6%	6.4%	± 22.40 %
Simazine	99.4%	1.3%	99.6%	0.9%	99.9%	1.5%	± 5.99 %
Spiroxamine	100.9%	3.8%	98.4%	2.0%	100.1%	3.9%	± 8.77 %
Tebuconazole	100.1%	1.6%	100.6%	1.2%	100.9%	1.1%	± 6.10 %
Terbutylazine	100.1%	1.3%	99.6%	1.2%	99.0%	1.6%	± 6.50 %
Terbutryn	98.9%	1.6%	99.3%	1.1%	99.2%	1.1%	± 5.93 %

METHOD STATEMENT



Determinand	Direct Standards				Elvington Treated Water (Hard Hardness)		
	Low Standard		High Standard		PCV Spike		
	Recovery	RSD	Recovery	RSD	Recovery	RSD	UoM
Thifensulfuron-methyl	99.8%	3.9%	99.7%	3.3%	105.2%	5.7%	± 13.50 %
Triazophos	99.0%	3.3%	98.9%	2.9%	101.1%	3.5%	± 8.15 %
Trietazine	98.5%	1.5%	99.6%	0.9%	100.1%	2.2%	± 6.03 %
Trifloxystrobin	105.0%	8.7%	102.7%	10.4%	101.8%	12.4%	± 24.92 %
Trinexapac-ethyl	100.4%	3.0%	99.7%	4.0%	103.1%	4.5%	± 11.88 %

The highest LOQ has been applied across all instruments.

Determinand	WQQQ3 Limit of Quantification (µg L⁻¹)	WQQQ4 Limit of Quantification (µg L⁻¹)	WQQQ6 Limit of Quantification (µg L⁻¹)	WQQQ8 Limit of Quantification (µg L⁻¹)	METHOD (Standardised) LOQ (µg L⁻¹)
Ametryn	0.003	0.003	0.004	0.003	0.004
Atrazine	0.004	0.003	0.002	0.003	0.004
Atrazine-desethyl	0.004	0.003	0.004	0.003	0.004
Atrazine-desisopropyl	0.008	0.006	0.005	0.005	0.008
Azinphos-methyl	0.003	0.003	0.003	0.003	0.003
Azoxystrobin	0.009	0.010	0.010	0.004	0.010
Benzovindiflupyr	0.012	0.015	0.013	0.009	0.015
Bixafen	0.012	0.006	0.008	0.008	0.012
Boscalid	0.007	0.008	0.007	0.006	0.008
Bromacil	0.015	0.009	0.006	0.007	0.015
Carbendazim	0.005	0.003	0.004	0.004	0.005
Carbetamide	0.013	0.008	0.008	0.005	0.013
Chlorfenvinphos	0.012	0.014	0.008	0.008	0.014
Chloridazon	0.010	0.007	0.007	0.005	0.010
Chlortoluron	0.007	0.004	0.004	0.004	0.007
Cyanazine	0.003	0.004	0.004	0.004	0.004
Cyproconazole	0.005	0.007	0.003	0.005	0.007
Dichlorvos	0.007	0.004	0.004	0.004	0.007
Diclofenac	0.018	0.013	0.008	0.008	0.018
Difenoconazole	0.012	0.005	0.005	0.006	0.012
Dimethenamid-P	0.008	0.012	0.017	0.006	0.017
Dimethoate	0.006	0.006	0.005	0.004	0.006
Diuron	0.008	0.006	0.008	0.006	0.008
Epoxiconazole	0.004	0.004	0.004	0.005	0.005
EPTC	0.012	0.009	0.005	0.006	0.012
Flufenacet	0.008	0.007	0.005	0.005	0.008
Fluopyram	0.005	0.005	0.005	0.004	0.005
Flurtamone	0.004	0.005	0.005	0.004	0.005
Flusilazole	0.004	0.004	0.005	0.005	0.005
Flutriafol	0.005	0.003	0.002	0.004	0.005
Fluxapyroxad	0.007	0.009	0.008	0.008	0.009
Isoproturon	0.004	0.005	0.004	0.004	0.005
Lenacil	0.008	0.005	0.005	0.004	0.008
Linuron	0.010	0.008	0.009	0.004	0.010
Malathion	0.009	0.009	0.005	0.004	0.009
Metamitron	0.006	0.004	0.006	0.009	0.009
Metazachlor	0.006	0.006	0.004	0.004	0.006

METHOD STATEMENT



Determinand	WQQQ3 Limit of Quantification (µg L⁻¹)	WQQQ4 Limit of Quantification (µg L⁻¹)	WQQQ6 Limit of Quantification (µg L⁻¹)	WQQQ8 Limit of Quantification (µg L⁻¹)	METHOD (Standardised) LOQ (µg L⁻¹)
Metconazole	0.003	0.006	0.005	0.004	0.006
Methabenzthiazuron	0.003	0.005	0.003	0.005	0.005
Methiocarb	0.008	0.010	0.006	0.005	0.010
Metobromuron	0.011	0.008	0.007	0.005	0.011
Metoxuron	0.007	0.003	0.003	0.003	0.007
Metribuzin	0.006	0.004	0.004	0.005	0.006
Metsulfuron-methyl	0.010	0.009	0.007	0.006	0.010
Mevinphos	0.010	0.006	0.005	0.005	0.010
Monuron	0.008	0.005	0.005	0.004	0.008
Myclobutanil	0.005	0.003	0.003	0.003	0.005
Oxadixyl	0.011	0.013	0.012	0.008	0.013
Oxamyl	0.003	0.003	0.004	0.003	0.004
Prochloraz	0.007	0.011	0.008	0.009	0.011
Prometryn	0.004	0.003	0.004	0.004	0.004
Propachlor	0.004	0.004	0.005	0.003	0.005
Propazine	0.004	0.003	0.005	0.005	0.005
Propetamphos	0.011	0.014	0.011	0.006	0.014
Propiconazole	0.006	0.006	0.007	0.004	0.007
Prosulfocarb	0.008	0.008	0.010	0.005	0.010
Prothioconazole-desthio	0.003	0.004	0.004	0.004	0.004
Pyraclostrobin	0.011	0.010	0.006	0.009	0.011
Quinmerac	0.005	0.009	0.005	0.006	0.009
Simazine	0.005	0.004	0.003	0.003	0.005
Spiroxamine	0.004	0.003	0.005	0.004	0.005
Tebuconazole	0.005	0.005	0.004	0.004	0.005
Terbutylazine	0.003	0.004	0.005	0.004	0.005
Terbutryn	0.005	0.003	0.004	0.003	0.005
Thifensulfuron-methyl	0.010	0.007	0.006	0.005	0.010
Triazophos	0.006	0.006	0.006	0.005	0.006
Trietazine	0.004	0.003	0.004	0.003	0.004
Trifloxystrobin	0.008	0.014	0.004	0.006	0.014
Trinexapac-ethyl	0.016	0.007	0.008	0.007	0.016

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