

Chemical Analysis Report

NE-DIST-2023-05-05-01

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **ICW Boat 2023**
Request ID: **RQ-2023-05-01-27**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
Attn: Jeremy Parrish

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Certified by: Chris Bowen, Environmental Administrator

Date Certified: 30-MAY-2023 13:44



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: ICW AT CM 15 DUVAL CO

Collection Date/Time: 05/04/2023 09:40

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2406146	EPA 8270E	Oxybenzone**	10	U	ng/L	P429507	
		Acetochlor	0.21	U	ng/L	P429507	
		Octinoxate**	73	V	ng/L	P429507	MS
		Alachlor	0.41	U	ng/L	P429507	
		Avobenzone**	100	U	ng/L	P429507	
		Ametryn	1.1	U	ng/L	P429507	
		Atrazine	12		ng/L	P429507	
		PBDE-47**	4.1	U	ng/L	P429507	
		Atrazine Desethyl	3.0	I	ng/L	P429507	
		PBDE-99**	5.1	U	ng/L	P429507	
		Azinphos Methyl	3.1	U	ng/L	P429507	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P429507	
		Azoxystrobin	0.41	U	ng/L	P429507	
		Bromacil	0.62	U	ng/L	P429507	
		2-Ethylhexyl	12	U	ng/L	P429507	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.21	U	ng/L	P429507	
		Dechlorane Plus**	31	U	ng/L	P429507	
		Caffeine**	13	I	ng/L	P429507	
		Dechlorane 602**	5.1	U	ng/L	P429507	
		Carbophenothion	0.51	U	ng/L	P429507	
		Dechlorane 603**	4.1	U	ng/L	P429507	
		Carfentrazone Ethyl	0.15	U	ng/L	P429507	
		Hexabromobenzene**	6.2	U	ng/L	P429507	
		Chlorfenapyr	0.31	U	ng/L	P429507	
		PBB-153**	8.2	U	ng/L	P429507	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P429507	
		Pentabromotoluene**	3.1	U	ng/L	P429507	
		Chlorpyrifos Methyl	0.10	U	ng/L	P429507	
		Tris(2-chloroethyl) phosphate (TCEP)**	72	U	ng/L	P429507	
		Coumaphos	1.1	U	ng/L	P429507	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	33	I	ng/L	P429507	
		Cyanazine	5.1	U	ng/L	P429507	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	4.9	I	ng/L	P429507	
		Cyprodinil	0.21	U	ng/L	P429507	
		Tetradecachloro-m-terphenyl**	7.7	UJ	ng/L	P429507	LCS, MS
		Demeton	3.6	U	ng/L	P429507	
		Diazinon	0.13	U	ng/L	P429507	
		Difenoconazole	0.62	U	ng/L	P429507	
		Dimethenamid	0.10	U	ng/L	P429507	
		Dimethomorph	0.31	U	ng/L	P429507	
		Disulfoton	0.62	U	ng/L	P429507	
		Dithiopyr	1.0	U	ng/L	P429507	

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2406146	EPA 8270E	EPTC	0.51	U	ng/L	P429507	LCS, MS
		Ethion	0.31	U	ng/L	P429507	
		Ethoprop	0.13	U	ng/L	P429507	
		Etridiazole	0.10	U	ng/L	P429507	
		Fenamiphos	0.46	U	ng/L	P429507	
		Fenbuconazole	0.51	U	ng/L	P429507	
		Fipronil	0.25	I	ng/L	P429507	
		Fipronil Desulfinyl**	0.26	I	ng/L	P429507	
		Fipronil Sulfide	0.17	I	ng/L	P429507	
		Fipronil Sulfone	0.24	I	ng/L	P429507	
		Fluazifop-P-butyl	0.10	U	ng/L	P429507	
		Fludioxonil	0.10	U	ng/L	P429507	
		Flumioxazin	3.1	U	ng/L	P429507	
		Flutolanil	0.10	U	ng/L	P429507	
		Fluxapyroxad	0.26	U	ng/L	P429507	
		Fonofos	0.15	U	ng/L	P429507	
		Hexazinone	0.51	U	ng/L	P429507	
		Imazalil	0.67	U	ng/L	P429507	
		Iprodione	0.51	UJ	ng/L	P429507	
		Loratadine**	0.31	U	ng/L	P429507	
		Malathion	0.36	U	ng/L	P429507	
		Metalaxyl	0.51	U	ng/L	P429507	
		Metolachlor	80		ng/L	P429507	
		Metribuzin	12	J	ng/L	P429507	
		Mevinphos	1.0	U	ng/L	P429507	
		Molinate	0.26	U	ng/L	P429507	
		Myclobutanil	0.36	U	ng/L	P429507	
		Naled	2.6	U	ng/L	P429507	
		Napropamide	0.72	U	ng/L	P429507	
		Norflurazon	1.0	U	ng/L	P429507	
		Oxadiazon	2.9		ng/L	P429507	
		Oxyfluorfen	0.21	U	ng/L	P429507	
		Parathion Ethyl	0.15	U	ng/L	P429507	
		Parathion Methyl	0.21	U	ng/L	P429507	
		Pendimethalin	0.77	U	ng/L	P429507	
		Phenytol**	5.5	U	ng/L	P429507	MS
		Phorate	0.26	U	ng/L	P429507	
		Prodiamine	0.54	I	ng/L	P429507	
		Prometon	24		ng/L	P429507	
		Prometryn	0.36	U	ng/L	P429507	
		Pronamide	0.10	U	ng/L	P429507	
		Propanil	0.10	U	ng/L	P429507	
		Propargite	0.82	U	ng/L	P429507	
		Propiconazole	4.0		ng/L	P429507	
		Pyraflufen Ethyl	0.31	U	ng/L	P429507	

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2406146	EPA 8270E	Pyridaben	1.4	U	ng/L	P429507	LCS
		Pyriproxyfen	0.26	UJ	ng/L	P429507	
		Simazine	3.4		ng/L	P429507	
		Stirophos	0.41	U	ng/L	P429507	
		Sulfentrazone	1.5	I	ng/L	P429507	
		Tebuconazole	7.5		ng/L	P429507	
		Terbufos	0.21	U	ng/L	P429507	
		Terbuthylazine	0.21	U	ng/L	P429507	
		Thiobencarb	0.51	U	ng/L	P429507	
		Triadimefon	0.15	U	ng/L	P429507	

Ref. Method and Comment:
EPA 8270E: V - Due to the presence of octinoxate in both the Method Blank and the sample. Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for bromacil and norflurazon not assessed due to high content of these parameters in the sample spiked. Estimation for metribuzin due to internal standard recovery exceeding control limits. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P429507

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.20	U	ng/L
Butylate	0.20	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P429507

Component	Result	Code	Units
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P429507

Component	Result	Code	Units
Metalaxyl	0.50	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	92		ng/L
Octinoxate	42	I	ng/L
Oxadiazon	0.35	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	8.0	U	ng/L
PBB-153	8.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytol	5.3	U	ng/L
Phenytol	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiatone	0.20	U	ng/L
Prodiatone	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Pronamide	0.10	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P429507

Component	Result	Code	Units
Propanil	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbufos	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P429507

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	123		P	42 - 162
Acetochlor	71.8		P	69 - 123
Alachlor	100		P	65 - 118
Ametryn	135		P	58 - 141
Atrazine	94.6		P	73 - 118
Atrazine Desethyl	109		P	32 - 125
Avobenzone	170		P	40 - 203
Azinphos Methyl	193		P	36 - 197
Azoxystrobin	98.7		P	58 - 226
Bromacil	94.8		P	48 - 120
Butylate	57.6		P	27 - 85.0
Caffeine	104		P	40 - 137
Carbophenothion	110		P	54 - 132
Carfentrazone Ethyl	103		P	60 - 142
Chlorfenapyr	71.6		P	53 - 117
Chlorpyrifos Ethyl	73.2		P	59 - 116
Chlorpyrifos Methyl	82.0		P	66 - 119
Coumaphos	99.4		P	11 - 234
Cyanazine	210		P	61 - 248
Cyprodinil	101		P	50 - 147
Dechlorane 602	94.0		P	50 - 150
Dechlorane 603	138		P	50 - 150
Dechlorane Plus	95.2		P	47 - 182
Demeton	81.6		P	30 - 138
Diazinon	111		P	67 - 126
Difenoconazole	86.3		P	38 - 205
Dimethenamid	103		P	57 - 111
Dimethomorph	152		P	16 - 212
Disulfoton	98.2		P	46 - 126
Dithiopyr	106		P	62 - 115
EPTC	46.5		P	28 - 80.0
Ethion	81.4		P	24 - 122
Ethoprop	82.2		P	62 - 113
Etridiazole	60.6		P	28 - 92.0
Fenamiphos	68.3		P	57 - 128
Fenbuconazole	67.7		P	52 - 155
Fipronil	76.6		P	63 - 130
Fipronil Desulfinyl	87.3		P	61 - 130
Fipronil Sulfide	91.0		P	56 - 117
Fipronil Sulfone	82.4		P	52 - 118
Fluazifop-P-butyl	104		P	61 - 128
Fludioxonil	82.5		P	59 - 129
Flumioxazin	137		P	30 - 250
Flutolanil	102		P	53 - 127
Fluxapyroxad	81.5		P	42 - 132
Fonofos	109		P	61 - 110
Hexabromobenzene	128		P	50 - 150
Hexazinone	87.3		P	46 - 139
Imazalil	86.0		P	40 - 139
Iprodione	31.2		F	40 - 146
Loratadine	168		P	10 - 224
Malathion	80.7		P	61 - 135

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
 Batch ID: P429507

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Metalaxyl	91.3		P	58 - 121
Metolachlor	77.2		P	64 - 118
Metribuzin	109		P	45 - 245
Mevinphos	63.1		P	49 - 118
Molinate	58.1		P	42 - 92.0
Myclobutanil	99.8		P	55 - 127
Naled	35.0		P	10 - 114
Napropamide	82.8		P	39 - 121
Norflurazon	96.9		P	55 - 129
Octinoxate	166		P	26 - 166
Oxadiazon	88.9		P	54 - 115
Oxybenzone	118		P	49 - 135
Oxyfluorfen	79.7		P	64 - 139
Parathion Ethyl	90.3		P	70 - 111
Parathion Methyl	89.5		P	76 - 136
PBB-153	145		P	50 - 150
PBDE-47	116		P	41 - 148
PBDE-99	114		P	38 - 147
Pendimethalin	85.9		P	52 - 118
Pentabromotoluene	126		P	50 - 150
Phenytoin	136		P	10 - 162
Phorate	99.9		P	40 - 122
Prodiamine	55.9		P	26 - 141
Prometon	105		P	54 - 122
Prometryn	124		P	61 - 128
Pronamide	110		P	72 - 121
Propanil	106		P	45 - 144
Propargite	66.0		P	10 - 199
Propiconazole	75.9		P	56 - 127
Pyraflufen Ethyl	98.0		P	56 - 140
Pyridaben	77.6		P	26 - 211
Pyriproxyfen	221		F	33 - 194
Simazine	82.6		P	67 - 121
Stirophos	58.9		P	20 - 142
Sulfentrazone	62.2		P	21 - 144
Tebuconazole	68.2		P	10 - 122
Terbufos	119		P	60 - 129
Terbuthylazine	85.3		P	69 - 113
Tetradecachloro-m-terphenyl	233		F	70 - 200
Thiobencarb	105		P	51 - 120
Tri-o-cresyl Phosphate	118		P	49 - 150
Triadimefon	94.9		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	98.5		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	113		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	119		P	70 - 180

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P429507

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2405052	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	110	119	P/P	26 - 165
2405052	Acetochlor	70.2	72.8	P/P	67 - 124
2405052	Alachlor	82.7	81.1	P/P	60 - 120
2405052	Ametryn	136	137	P/P	54 - 216
2405052	Atrazine	86.2	103	P/P	66 - 128
2405052	Atrazine Desethyl	109	99.7	P/P	15 - 122
2405052	Avobenzone	149	163	P/P	37 - 178
2405052	Azinphos Methyl	162	163	P/P	40 - 292
2405052	Azoxystrobin	106	122	P/P	35 - 220
2405052	Butylate	57.3	59.0	P/P	20 - 83.0
2405052	Caffeine	99.5	95.8	P/P	10 - 194
2405052	Carbophenothion	92.7	98.7	P/P	57 - 127
2405052	Carfentrazone Ethyl	92.7	94.9	P/P	51 - 141
2405052	Chlorfenapyr	62.5	67.9	P/P	46 - 111
2405052	Chlorpyrifos Ethyl	61.8	60.7	P/P	52 - 120
2405052	Chlorpyrifos Methyl	81.9	89.1	P/P	63 - 119
2405052	Coumaphos	80.9	84.9	P/P	10 - 228
2405052	Cyanazine	234	235	P/P	59 - 241
2405052	Cyprodinil	97.6	107	P/P	47 - 146
2405052	Dechlorane 602	79.1	82.3	P/P	50 - 150
2405052	Dechlorane 603	118	128	P/P	50 - 150
2405052	Dechlorane Plus	82.0	81.2	P/P	50 - 150
2405052	Demeton	83.4	86.4	P/P	40 - 136
2405052	Diazinon	112	113	P/P	69 - 132
2405052	Difenoconazole	68.4	75.9	P/P	57 - 258
2405052	Dimethenamid	91.6	95.9	P/P	54 - 110
2405052	Dimethomorph	166	171	P/P	28 - 210
2405052	Disulfoton	96.7	93.9	P/P	43 - 133
2405052	Dithiopyr	85.4	90.2	P/P	39 - 116
2405052	EPTC	44.9	46.4	P/P	20 - 78.0
2405052	Ethion	92.1	102	P/P	17 - 119
2405052	Ethoprop	89.9	96.6	P/P	66 - 120
2405052	Etridiazole	56.8	57.2	P/P	28 - 96.0
2405052	Fenamiphos	69.8	69.4	P/P	41 - 126
2405052	Fenbuconazole	54.4	57.0	P/P	42 - 169
2405052	Fipronil	65.7	68.9	P/P	61 - 132
2405052	Fipronil Desulfinyl	78.4	77.4	P/P	56 - 132
2405052	Fipronil Sulfide	71.8	69.9	P/P	48 - 119
2405052	Fipronil Sulfone	72.8	76.4	P/P	42 - 131
2405052	Fluazifop-P-butyl	103	105	P/P	53 - 131
2405052	Fludioxonil	80.7	79.2	P/P	56 - 127
2405052	Flumioxazin	116	127	P/P	19 - 300
2405052	Flutolanil	93.8	102	P/P	41 - 127
2405052	Fluxapyroxad	71.0	74.8	P/P	42 - 172
2405052	Fonofos	110	110	P/P	59 - 113
2405052	Hexabromobenzene	120	121	P/P	50 - 150
2405052	Hexazinone	94.9	92.6	P/P	66 - 122
2405052	Imazalil	59.5	58.2	P/P	21 - 283
2405052	Iprodione	34.0	42.2	F/F	43 - 150
2405052	Loratadine	148	146	P/P	23 - 201
2405052	Malathion	75.2	77.7	P/P	58 - 136
2405052	Metalaxyl	80.0	73.5	P/P	55 - 120

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P429507

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2405052	Metolachlor	76.8	76.4	P/P	57 - 121
2405052	Metribuzin	107	108	P/P	58 - 294
2405052	Mevinphos	67.3	71.4	P/P	50 - 126
2405052	Molinate	59.9	61.6	P/P	42 - 93.0
2405052	Myclobutanil	96.0	95.7	P/P	55 - 125
2405052	Naled	41.0	50.6	P/P	18 - 200
2405052	Napropamide	72.7	79.1	P/P	39 - 110
2405052	Octinoxate	161	177	F/F	21 - 159
2405052	Oxadiazon	83.4	82.8	P/P	43 - 112
2405052	Oxybenzone	107	111	P/P	41 - 142
2405052	Oxyfluorfen	89.0	84.4	P/P	64 - 153
2405052	Parathion Ethyl	93.6	90.8	P/P	69 - 114
2405052	Parathion Methyl	90.8	101	P/P	79 - 139
2405052	PBB-153	126	140	P/P	50 - 150
2405052	PBDE-47	103	110	P/P	27 - 144
2405052	PBDE-99	95.1	101	P/P	18 - 150
2405052	Pendimethalin	85.9	95.6	P/P	50 - 139
2405052	Pentabromotoluene	116	124	P/P	50 - 150
2405052	Phenytoin	156	162	F/F	10 - 146
2405052	Phorate	107	121	P/P	54 - 161
2405052	Prodiamine	61.2	61.7	P/P	30 - 161
2405052	Prometon	94.9	96.1	P/P	45 - 134
2405052	Prometryn	112	110	P/P	45 - 137
2405052	Pronamide	101	107	P/P	65 - 133
2405052	Propanil	114	112	P/P	49 - 142
2405052	Propargite	59.8	60.3	P/P	10 - 203
2405052	Propiconazole	70.7	73.3	P/P	38 - 146
2405052	Pyraflufen Ethyl	83.6	77.2	P/P	34 - 153
2405052	Pyridaben	47.7	55.5	P/P	12 - 192
2405052	Pyriproxyfen	128	171	P/P	33 - 180
2405052	Simazine	56.6	66.9	P/P	51 - 157
2405052	Stiropfos	40.1	42.0	P/P	10 - 128
2405052	Sulfentrazone	73.4	59.3	P/P	53 - 186
2405052	Tebuconazole	63.7	63.2	P/P	10 - 133
2405052	Terbufos	115	120	P/P	65 - 139
2405052	Terbuthylazine	81.3	85.4	P/P	66 - 117
2405052	Tetradecachloro-m-terphenyl	227	251	F/F	70 - 200
2405052	Thiobencarb	92.0	95.8	P/P	51 - 119
2405052	Tri-o-cresyl Phosphate	102	109	P/P	31 - 144
2405052	Triadimefon	86.2	90.0	P/P	48 - 119
2405052	Tris(1-chloro-2-propyl) phosphate (TCPP)	100	102	P/P	50 - 150
2405052	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	103	109	P/P	50 - 150
2405052	Tris(2-chloroethyl) phosphate (TCEP)	106	108	P/P	70 - 180

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P429507

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2405052	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	7.35	Spike	P	0 - 37
2405052	Acetochlor	3.60	Spike	P	0 - 28
2405052	Alachlor	1.98	Spike	P	0 - 30
2405052	Ametryn	0.661	Spike	P	0 - 32
2405052	Atrazine	8.90	Spike	P	0 - 41
2405052	Atrazine Desethyl	7.87	Spike	P	0 - 36
2405052	Avobenzone	9.11	Spike	P	0 - 36
2405052	Azinphos Methyl	0.0844	Spike	P	0 - 75
2405052	Azoxystrobin	13.2	Spike	P	0 - 39
2405052	Bromacil	0.648	Spike	P	0 - 33
2405052	Butylate	2.81	Spike	P	0 - 44
2405052	Caffeine	3.26	Spike	P	0 - 74
2405052	Carbophenothion	6.29	Spike	P	0 - 25
2405052	Carfentrazone Ethyl	2.31	Spike	P	0 - 27
2405052	Chlorfenapyr	8.39	Spike	P	0 - 24
2405052	Chlorpyrifos Ethyl	1.69	Spike	P	0 - 26
2405052	Chlorpyrifos Methyl	8.35	Spike	P	0 - 26
2405052	Coumaphos	4.82	Spike	P	0 - 28
2405052	Cyanazine	0.632	Spike	P	0 - 48
2405052	Cyprodinil	9.56	Spike	P	0 - 29
2405052	Dechlorane 602	4.00	Spike	P	0 - 30
2405052	Dechlorane 603	8.10	Spike	P	0 - 30
2405052	Dechlorane Plus	0.976	Spike	P	0 - 30
2405052	Demeton	3.54	Spike	P	0 - 33
2405052	Diazinon	0.719	Spike	P	0 - 29
2405052	Difenoconazole	10.4	Spike	P	0 - 34
2405052	Dimethenamid	4.57	Spike	P	0 - 39
2405052	Dimethomorph	2.72	Spike	P	0 - 51
2405052	Disulfoton	2.96	Spike	P	0 - 30
2405052	Dithiopyr	5.39	Spike	P	0 - 26
2405052	EPTC	3.37	Spike	P	0 - 43
2405052	Ethion	10.7	Spike	P	0 - 79
2405052	Ethoprop	7.12	Spike	P	0 - 29
2405052	Etridiazole	0.606	Spike	P	0 - 33
2405052	Fenamiphos	0.499	Spike	P	0 - 40
2405052	Fenbuconazole	4.16	Spike	P	0 - 74
2405052	Fipronil	4.82	Spike	P	0 - 29
2405052	Fipronil Desulfinyl	1.15	Spike	P	0 - 32
2405052	Fipronil Sulfide	2.73	Spike	P	0 - 30
2405052	Fipronil Sulfone	4.79	Spike	P	0 - 33
2405052	Fluazifop-P-butyl	2.08	Spike	P	0 - 38
2405052	Fludioxonil	1.84	Spike	P	0 - 29
2405052	Flumioxazin	9.05	Spike	P	0 - 51
2405052	Flutolanil	8.36	Spike	P	0 - 25
2405052	Fluxapyroxad	5.17	Spike	P	0 - 45
2405052	Fonofos	0.467	Spike	P	0 - 27
2405052	Hexabromobenzene	0.424	Spike	P	0 - 30
2405052	Hexazinone	1.67	Spike	P	0 - 30
2405052	Imazalil	2.21	Spike	P	0 - 100
2405052	Iprodione	21.6	Spike	P	0 - 33
2405052	Loratadine	1.03	Spike	P	0 - 56

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P429507

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2405052	Malathion	3.26	Spike	P	0 - 37
2405052	Metalaxyl	1.94	Spike	P	0 - 40
2405052	Metolachlor	0.492	Spike	P	0 - 29
2405052	Metribuzin	0.842	Spike	P	0 - 45
2405052	Mevinphos	5.89	Spike	P	0 - 29
2405052	Molinate	2.79	Spike	P	0 - 33
2405052	Myclobutanil	0.312	Spike	P	0 - 26
2405052	Naled	21.0	Spike	P	0 - 37
2405052	Napropamide	8.36	Spike	P	0 - 44
2405052	Norflurazon	0.371	Spike	P	0 - 30
2405052	Octinoxate	9.10	Spike	P	0 - 45
2405052	Oxadiazon	0.712	Spike	P	0 - 28
2405052	Oxybenzone	3.89	Spike	P	0 - 46
2405052	Oxyfluorfen	5.35	Spike	P	0 - 28
2405052	Parathion Ethyl	3.04	Spike	P	0 - 31
2405052	Parathion Methyl	10.4	Spike	P	0 - 29
2405052	PBB-153	10.1	Spike	P	0 - 30
2405052	PBDE-47	6.55	Spike	P	0 - 36
2405052	PBDE-99	6.06	Spike	P	0 - 40
2405052	Pendimethalin	10.7	Spike	P	0 - 33
2405052	Pentabromotoluene	7.15	Spike	P	0 - 30
2405052	Phenytol	3.48	Spike	P	0 - 100
2405052	Phorate	11.7	Spike	P	0 - 36
2405052	Prodiamine	0.880	Spike	P	0 - 71
2405052	Prometon	1.35	Spike	P	0 - 36
2405052	Prometryn	1.38	Spike	P	0 - 28
2405052	Pronamide	5.59	Spike	P	0 - 24
2405052	Propanil	2.46	Spike	P	0 - 28
2405052	Propargite	0.974	Spike	P	0 - 43
2405052	Propiconazole	3.50	Spike	P	0 - 33
2405052	Pyraflufen Ethyl	7.95	Spike	P	0 - 29
2405052	Pyridaben	8.96	Spike	P	0 - 30
2405052	Pyriproxyfen	29.1	Spike	P	0 - 79
2405052	Simazine	5.80	Spike	P	0 - 29
2405052	Stirophos	4.53	Spike	P	0 - 61
2405052	Sulfentrazone	21.3	Spike	P	0 - 33
2405052	Tebuconazole	0.696	Spike	P	0 - 69
2405052	Terbufos	4.50	Spike	P	0 - 29
2405052	Terbuthylazine	4.89	Spike	P	0 - 32
2405052	Tetradecachloro-m-terphenyl	10.0	Spike	P	0 - 30
2405052	Thiobencarb	4.02	Spike	P	0 - 26
2405052	Tri-o-cresyl Phosphate	7.00	Spike	P	0 - 33
2405052	Triadimefon	4.30	Spike	P	0 - 28
2405052	Tris(1-chloro-2-propyl) phosphate (TCPP)	1.59	Spike	P	0 - 30
2405052	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	6.05	Spike	P	0 - 30
2405052	Tris(2-chloroethyl) phosphate (TCEP)	2.22	Spike	P	0 - 30

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report Surrogates

Lab Sample ID: 2406146
Field Sample ID: 27010114

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	128	P	20 - 200
EPA 8270E	Simazine-d10	114	P	62 - 142
EPA 8270E	Terbufos-d10	102	P	58 - 132
EPA 8270E	Terphenyl-d14	98.6	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A119083
Included Lab Sample IDs: 2406146

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	101		P	80 - 120
Avobenzene	105		P	80 - 120
Dechlorane 602	103		P	80 - 120
Dechlorane 603	105		P	80 - 120
Dechlorane Plus	89.6		P	80 - 120
Hexabromobenzene	102		P	80 - 120
Octinoxate	97.5		P	80 - 120
Oxybenzone	95.5		P	80 - 120
PBB-153	103		P	80 - 120
PBDE-47	96.9		P	80 - 120
PBDE-99	104		P	80 - 120
Pentabromotoluene	102		P	80 - 120
Tetradecachloro-m-terphenyl	105		P	80 - 120
Tri-o-cresyl Phosphate	97.6		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	81.1		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	96.9		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	97.9		P	80 - 120

Reference Method: EPA 8270E
Run ID: A119206
Included Lab Sample IDs: 2406146

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	87.5		P	80 - 120
Alachlor	85.5		P	80 - 120
Ametryn	96.1		P	80 - 120
Atrazine	90.9		P	80 - 120
Atrazine Desethyl	87.0		P	80 - 120
Azinphos Methyl	111		P	80 - 120
Azoxystrobin	101		P	80 - 120
Bromacil	92.7		P	80 - 120
Butylate	98.2		P	80 - 120
Caffeine	102		P	80 - 120
Carbophenothion	98.5		P	80 - 120
Carfentrazone Ethyl	95.2		P	80 - 120
Chlorfenapyr	84.5		P	80 - 120
Chlorpyrifos Ethyl	86.1		P	80 - 120
Chlorpyrifos Methyl	102		P	80 - 120
Coumaphos	98.8		P	80 - 120
Cyanazine	103		P	80 - 120
Cyprodinil	99.7		P	80 - 120
Demeton	102		P	80 - 120
Diazinon	90.4		P	80 - 120
Difenoconazole	104		P	80 - 120
Dimethenamid	97.4		P	80 - 120
Dimethomorph	94.2		P	80 - 120
Disulfoton	94.2		P	80 - 120
Dithiopyr	97.2		P	80 - 120
EPTC	97.1		P	80 - 120
Ethion	91.9		P	80 - 120
Ethoprop	101		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A119206
Included Lab Sample IDs: 2406146

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Etridiazole	94.2		P	80 - 120
Fenamiphos	90.2		P	80 - 120
Fenbuconazole	88.6		P	80 - 120
Fipronil	86.7		P	80 - 120
Fipronil Desulfinyl	102		P	80 - 120
Fipronil Sulfide	98.9		P	80 - 120
Fipronil Sulfone	99.9		P	80 - 120
Fluazifop-P-butyl	99.8		P	80 - 120
Fludioxonil	103		P	80 - 120
Flumioxazin	103		P	80 - 120
Flutolanil	105		P	80 - 120
Fluxapyroxad	98.5		P	80 - 120
Fonofos	94.7		P	80 - 120
Hexazinone	102		P	80 - 120
Imazalil	96.5		P	80 - 120
Iprodione	89.3		P	80 - 120
Loratadine	87.7		P	80 - 120
Malathion	89.0		P	80 - 120
Metalaxyl	86.3		P	80 - 120
Metolachlor	102		P	80 - 120
Metribuzin	98.6		P	80 - 120
Mevinphos	103		P	80 - 120
Molinate	88.5		P	80 - 120
Myclobutanil	90.5		P	80 - 120
Naled	95.2		P	80 - 120
Napropamide	100		P	80 - 120
Norflurazon	95.7		P	80 - 120
Oxadiazon	97.0		P	80 - 120
Oxyfluorfen	103		P	80 - 120
Parathion Ethyl	98.0		P	80 - 120
Parathion Methyl	88.4		P	80 - 120
Pendimethalin	112		P	80 - 120
Phenytoin	98.4		P	80 - 120
Phorate	98.8		P	80 - 120
Prodiamine	105		P	80 - 120
Prometon	99.9		P	80 - 120
Prometryn	101		P	80 - 120
Pronamide	97.3		P	80 - 120
Propanil	99.9		P	80 - 120
Propargite	98.6		P	80 - 120
Propiconazole	87.3		P	80 - 120
Pyraflufen Ethyl	90.3		P	80 - 120
Pyridaben	95.3		P	80 - 120
Pyriproxyfen	98.3		P	80 - 120
Simazine	80.9		P	80 - 120
Stirophos	88.1		P	80 - 120
Sulfentrazone	97.1		P	80 - 120
Tebuconazole	97.6		P	80 - 120
Terbufos	96.2		P	80 - 120
Terbuthylazine	87.7		P	80 - 120
Thiobencarb	96.1		P	80 - 120

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8270E
Run ID: A119206
Included Lab Sample IDs: 2406146

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Triadimefon	99.9		P	80 - 120

* Pass/Fail determinations are made for each bracketing calibration verification check.
Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	123	110	119		7.35
	Acetochlor	71.8	70.2	72.8		3.60
	Alachlor	100	82.7	81.1		1.98
	Ametryn	135	136	137		0.661
	Atrazine	94.6	86.2	103		8.90
	Atrazine Desethyl	109	109	99.7		7.87
	Avobenzone	170	149	163		9.11
	Azinphos Methyl	193	162	163		0.0844
	Azoxystrobin	98.7	106	122		13.2
	Bromacil	94.8				0.648
	Butylate	57.6	57.3	59.0		2.81
	Caffeine	104	99.5	95.8		3.26
	Carbophenothion	110	92.7	98.7		6.29
	Carfentrazone Ethyl	103	92.7	94.9		2.31
	Chlorfenapyr	71.6	62.5	67.9		8.39
	Chlorpyrifos Ethyl	73.2	61.8	60.7		1.69
	Chlorpyrifos Methyl	82.0	81.9	89.1		8.35
	Coumaphos	99.4	80.9	84.9		4.82
	Cyanazine	210	234	235		0.632
	Cyprodinil	101	97.6	107		9.56
	Dechlorane 602	94.0	79.1	82.3		4.00
	Dechlorane 603	138	118	128		8.10
	Dechlorane Plus	95.2	82.0	81.2		0.976
	Demeton	81.6	83.4	86.4		3.54
	Diazinon	111	112	113		0.719
	Difenoconazole	86.3	68.4	75.9		10.4
	Dimethenamid	103	91.6	95.9		4.57
	Dimethomorph	152	166	171		2.72
	Disulfoton	98.2	96.7	93.9		2.96
	Dithiopyr	106	85.4	90.2		5.39
	EPTC	46.5	44.9	46.4		3.37
	Ethion	81.4	92.1	102		10.7
	Ethoprop	82.2	89.9	96.6		7.12
	Etridiazole	60.6	56.8	57.2		0.606
	Fenamiphos	68.3	69.8	69.4		0.499
	Fenbuconazole	67.7	54.4	57.0		4.16
	Fipronil	76.6	65.7	68.9		4.82
	Fipronil Desulfinyl	87.3	78.4	77.4		1.15
	Fipronil Sulfide	91.0	71.8	69.9		2.73
	Fipronil Sulfone	82.4	72.8	76.4		4.79
	Fluazifop-P-butyl	104	103	105		2.08
	Fludioxonil	82.5	80.7	79.2		1.84
	Flumioxazin	137	116	127		9.05
	Flutolanil	102	93.8	102		8.36
	Fluxapyroxad	81.5	71.0	74.8		5.17
	Fonofos	109	110	110		0.467
	Hexabromobenzene	128	120	121		0.424
	Hexazinone	87.3	94.9	92.6		1.67
	Imazalil	86.0	59.5	58.2		2.21
	Iprodione	31.2	34.0	42.2		21.6
	Loratadine	168	148	146		1.03
	Malathion	80.7	75.2	77.7		3.26

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Metalaxyl	91.3	80.0	73.5		1.94
	Metolachlor	77.2	76.8	76.4		0.492
	Metribuzin	109	107	108		0.842
	Mevinphos	63.1	67.3	71.4		5.89
	Molinate	58.1	59.9	61.6		2.79
	Myclobutanil	99.8	96.0	95.7		0.312
	Naled	35.0	41.0	50.6		21.0
	Napropamide	82.8	72.7	79.1		8.36
	Norflurazon	96.9				0.371
	Octinoxate	166	161	177		9.10
	Oxadiazon	88.9	83.4	82.8		0.712
	Oxybenzone	118	107	111		3.89
	Oxyfluorfen	79.7	89.0	84.4		5.35
	Parathion Ethyl	90.3	93.6	90.8		3.04
	Parathion Methyl	89.5	90.8	101		10.4
	PBB-153	145	126	140		10.1
	PBDE-47	116	103	110		6.55
	PBDE-99	114	95.1	101		6.06
	Pendimethalin	85.9	85.9	95.6		10.7
	Pentabromotoluene	126	116	124		7.15
	Phenytoin	136	156	162		3.48
	Phorate	99.9	107	121		11.7
	Prodiamine	55.9	61.2	61.7		0.880
	Prometon	105	94.9	96.1		1.35
	Prometryn	124	112	110		1.38
	Pronamide	110	101	107		5.59
	Propanil	106	114	112		2.46
	Propargite	66.0	59.8	60.3		0.974
	Propiconazole	75.9	70.7	73.3		3.50
	Pyraflufen Ethyl	98.0	83.6	77.2		7.95
	Pyridaben	77.6	47.7	55.5		8.96
	Pyriproxyfen	221	128	171		29.1
	Simazine	82.6	56.6	66.9		5.80
	Stirophos	58.9	40.1	42.0		4.53
	Sulfentrazone	62.2	73.4	59.3		21.3
	Tebuconazole	68.2	63.7	63.2		0.696
	Terbufos	119	115	120		4.50
	Terbuthylazine	85.3	81.3	85.4		4.89
	Tetradecachloro-m-terphenyl	233	227	251		10.0
	Thiobencarb	105	92.0	95.8		4.02
	Tri-o-cresyl Phosphate	118	102	109		7.00
	Triadimefon	94.9	86.2	90.0		4.30
	Tris(1-chloro-2-propyl) phosphate (TCPP)	98.5	100	102		1.59
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	113	103	109		6.05
	Tris(2-chloroethyl) phosphate (TCEP)	119	106	108		2.22

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2406146

Reference Method Descriptions

Method	Description	<u>Associated Samples</u>
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2406146

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	05/05/2023	05/08/2023 08:00	Rasheda Ghaffari	05/10/2023 20:16	Arthur Maknenko	2406146
	05/05/2023	05/08/2023 08:00	Rasheda Ghaffari	05/12/2023 19:36	Vandana T. Nagar	2406146