

Chemical Analysis Report

NE-DIST-2023-07-07-01

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

Event Description: **ICW Boat 2023**
Request ID: **RQ-2023-07-03-36**
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

For additional information please contact
Colin Wright, Ph.D.
Chris Bowen, B.S.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 27-JUL-2023 12:18

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light pink rectangular background.

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: 07/06/2023 12:35

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2421978	EPA 8270E	Oxybenzone**	10	U	ng/L	P432162	
		Acetochlor	0.20	U	ng/L	P432162	
		Octinoxate**	150	U	ng/L	P432162	
		Alachlor	0.40	U	ng/L	P432162	
		Avobenzone**	100	U	ng/L	P432162	
		Ametryn	1.1	U	ng/L	P432162	
		Atrazine	6.8		ng/L	P432162	
		PBDE-47**	4.0	U	ng/L	P432162	
		Atrazine Desethyl	1.3	U	ng/L	P432162	
		PBDE-99**	5.0	U	ng/L	P432162	
		Azinphos Methyl	3.0	U	ng/L	P432162	
		Tri-o-cresyl Phosphate**	6.0	U	ng/L	P432162	
		Azoxystrobin	0.40	U	ng/L	P432162	
		Bromacil	0.60	U	ng/L	P432162	
		2-Ethylhexyl	12	U	ng/L	P432162	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.20	U	ng/L	P432162	
		Dechlorane Plus**	30	U	ng/L	P432162	
		Caffeine**	10	I	ng/L	P432162	
		Dechlorane 602**	5.0	U	ng/L	P432162	
		Carbophenothion	0.50	UJ	ng/L	P432162	RPD
		Dechlorane 603**	4.0	U	ng/L	P432162	
		Carfentrazone Ethyl	0.15	U	ng/L	P432162	
		Hexabromobenzene**	6.0	U	ng/L	P432162	
		Chlorfenapyr	0.30	U	ng/L	P432162	
		PBB-153**	8.0	U	ng/L	P432162	
		Chlorpyrifos Ethyl	0.30	U	ng/L	P432162	
		Pentabromotoluene**	3.0	U	ng/L	P432162	
		Chlorpyrifos Methyl	0.10	U	ng/L	P432162	
		Tris(2-chloroethyl) phosphate (TCEP)**	70	U	ng/L	P432162	
		Coumaphos	1.0	U	ng/L	P432162	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	21	I	ng/L	P432162	
		Cyanazine	5.0	U	ng/L	P432162	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	3.1	I	ng/L	P432162	
		Cyprodinil	0.20	U	ng/L	P432162	
		Tetradecachloro-m-terphenyl**	7.5	U	ng/L	P432162	
		Demeton	3.5	U	ng/L	P432162	
		Diazinon	0.12	U	ng/L	P432162	
		Difenoconazole	0.60	U	ng/L	P432162	
		Dimethenamid	0.10	U	ng/L	P432162	
		Dimethomorph	0.30	UJ	ng/L	P432162	MS
		Disulfoton	0.60	U	ng/L	P432162	
		Dithiopyr	1.0	U	ng/L	P432162	

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2421978	EPA 8270E	EPTC	0.50	U	ng/L	P432162	CCV, LCS
		Ethion	0.30	U	ng/L	P432162	
		Ethoprop	0.12	U	ng/L	P432162	
		Etridiazole	0.10	U	ng/L	P432162	
		Fenamiphos	0.45	U	ng/L	P432162	
		Fenbuconazole	0.50	UJ	ng/L	P432162	
		Fipronil	0.20	U	ng/L	P432162	
		Fipronil Desulfinyl**	0.20	I	ng/L	P432162	
		Fipronil Sulfide	0.12	I	ng/L	P432162	
		Fipronil Sulfone	0.26	I	ng/L	P432162	
		Fluazifop-P-butyl	0.10	U	ng/L	P432162	
		Fludioxonil	0.10	U	ng/L	P432162	
		Flumioxazin	3.0	U	ng/L	P432162	
		Flutolanil	0.10	U	ng/L	P432162	
		Fluxapyroxad	0.25	U	ng/L	P432162	
		Fonofos	0.15	U	ng/L	P432162	MS
		Hexazinone	1.1	I	ng/L	P432162	
		Imazalil	0.65	U	ng/L	P432162	
		Iprodione	0.50	U	ng/L	P432162	
		Loratadine**	0.30	UJ	ng/L	P432162	
		Malathion	0.35	U	ng/L	P432162	
		Metalaxyl	0.65	I	ng/L	P432162	
		Metolachlor	7.9		ng/L	P432162	
		Metribuzin	3.8		ng/L	P432162	
		Mevinphos	1.0	U	ng/L	P432162	
		Molinate	0.25	U	ng/L	P432162	
		Myclobutanil	0.35	U	ng/L	P432162	
		Naled	2.5	U	ng/L	P432162	
		Napropamide	0.70	U	ng/L	P432162	
		Norflurazon	1.0	U	ng/L	P432162	
		Oxadiazon	2.2		ng/L	P432162	
		Oxyfluorfen	0.20	U	ng/L	P432162	
		Parathion Ethyl	0.15	U	ng/L	P432162	
		Parathion Methyl	0.20	U	ng/L	P432162	
		Pendimethalin	0.75	U	ng/L	P432162	
		Phenytol**	5.3	U	ng/L	P432162	
		Phorate	0.25	U	ng/L	P432162	
		Prodiamine	0.20	U	ng/L	P432162	
		Prometon	5.8	I	ng/L	P432162	
		Prometryn	0.35	U	ng/L	P432162	
		Pronamide	0.10	U	ng/L	P432162	
		Propanil	0.10	U	ng/L	P432162	
		Propargite	0.80	U	ng/L	P432162	
		Propiconazole	0.95	I	ng/L	P432162	
		Pyraflufen Ethyl	0.30	U	ng/L	P432162	

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2421978	EPA 8270E	Pyridaben	1.4	U	ng/L	P432162	
		Pyriproxyfen	0.25	U	ng/L	P432162	
		Simazine	3.7		ng/L	P432162	
		Stirophos	0.40	U	ng/L	P432162	
		Sulfentrazone	1.4	U	ng/L	P432162	
		Tebuconazole	1.9	I	ng/L	P432162	
		Terbufos	0.20	U	ng/L	P432162	
		Terbuthylazine	0.20	U	ng/L	P432162	
		Thiobencarb	0.50	U	ng/L	P432162	
		Triadimefon	0.15	U	ng/L	P432162	

Ref. Method and Comment:
EPA 8270E: MS accuracy for atrazine not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P432162

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: P432162

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: P432162

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	150	U	ng/L
Octinoxate	150	U	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
Phenytoin	5.3	U	ng/L
Phenytoin	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prodiamine	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: P432162

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: P432162

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	80.8		P	42 - 162
Acetochlor	95.7		P	69 - 123
Alachlor	106		P	65 - 118
Ametryn	115		P	58 - 141
Atrazine	87.8		P	73 - 118
Atrazine Desethyl	80.9		P	32 - 125
Avobenzone	106		P	40 - 203
Azinphos Methyl	89.9		P	36 - 197
Azoxystrobin	97.6		P	58 - 226
Bromacil	104		P	48 - 120
Butylate	59.1		P	27 - 85.0
Caffeine	132		P	40 - 137
Carbophenothion	116		P	54 - 132
Carfentrazone Ethyl	118		P	60 - 142
Chlorfenapyr	111		P	53 - 117
Chlorpyrifos Ethyl	99.0		P	59 - 116
Chlorpyrifos Methyl	93.8		P	66 - 119
Coumaphos	121		P	11 - 234
Cyanazine	144		P	61 - 248
Cyprodinil	102		P	50 - 147
Dechlorane 602	57.6		P	50 - 150
Dechlorane 603	95.1		P	50 - 150
Dechlorane Plus	78.6		P	47 - 182
Demeton	68.5		P	30 - 138
Diazinon	102		P	67 - 126
Difenoconazole	83.3		P	38 - 205
Dimethenamid	84.6		P	57 - 111
Dimethomorph	157		P	16 - 212
Disulfoton	99.3		P	46 - 126
Dithiopyr	99.6		P	62 - 115
EPTC	51.5		P	28 - 80.0
Ethion	59.8		P	24 - 122
Ethoprop	80.0		P	62 - 113
Etridiazole	62.6		P	28 - 92.0
Fenamiphos	109		P	57 - 128
Fenbuconazole	33.2		F	52 - 155
Fipronil	98.5		P	63 - 130
Fipronil Desulfinyl	108		P	61 - 130
Fipronil Sulfide	96.8		P	56 - 117
Fipronil Sulfone	116		P	52 - 118
Fluazifop-P-butyl	128		P	61 - 128
Fludioxonil	84.1		P	59 - 129
Flumioxazin	123		P	30 - 250
Flutolanil	87.1		P	53 - 127
Fluxapyroxad	94.0		P	42 - 132
Fonofos	80.3		P	61 - 110
Hexabromobenzene	96.3		P	50 - 150
Hexazinone	90.3		P	46 - 139
Imazalil	122		P	40 - 139
Iprodione	96.8		P	40 - 146
Loratadine	141		P	10 - 224
Malathion	91.9		P	61 - 135

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P432162

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Metalaxyl	90.5		P	58 - 121
Metolachlor	100		P	64 - 118
Metribuzin	88.1		P	45 - 245
Mevinphos	63.3		P	49 - 118
Molinate	59.1		P	42 - 92.0
Myclobutanil	98.8		P	55 - 127
Naled	37.5		P	10 - 114
Napropamide	93.6		P	39 - 121
Norflurazon	100		P	55 - 129
Octinoxate	92.7		P	26 - 166
Oxadiazon	86.7		P	54 - 115
Oxybenzone	95.5		P	49 - 135
Oxyfluorfen	136		P	64 - 139
Parathion Ethyl	83.3		P	70 - 111
Parathion Methyl	119		P	76 - 136
PBB-153	92.9		P	50 - 150
PBDE-47	83.2		P	41 - 148
PBDE-99	75.5		P	38 - 147
Pendimethalin	86.0		P	52 - 118
Pentabromotoluene	82.0		P	50 - 150
Phenytoin	22.8		P	10 - 162
Phorate	74.2		P	40 - 122
Prodiamine	32.8		P	26 - 141
Prometon	71.1		P	54 - 122
Prometryn	104		P	61 - 128
Pronamide	117		P	72 - 121
Propanil	117		P	45 - 144
Propargite	64.7		P	10 - 199
Propiconazole	71.0		P	56 - 127
Pyraflufen Ethyl	114		P	56 - 140
Pyridaben	90.2		P	26 - 211
Pyriproxyfen	69.4		P	33 - 194
Simazine	82.2		P	67 - 121
Stirophos	69.3		P	20 - 142
Sulfentrazone	67.5		P	21 - 144
Tebuconazole	55.0		P	10 - 122
Terbufos	106		P	60 - 129
Terbuthylazine	89.7		P	69 - 113
Tetradecachloro-m-terphenyl	117		P	70 - 200
Thiobencarb	98.2		P	51 - 120
Tri-o-cresyl Phosphate	84.9		P	49 - 150
Triadimefon	91.5		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	88.6		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	81.3		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	85.9		P	70 - 180

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P432162

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2421978	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	115	109	P/P	26 - 165
2421978	Acetochlor	92.3	95.6	P/P	67 - 124
2421978	Alachlor	92.3	102	P/P	60 - 120
2421978	Ametryn	125	103	P/P	54 - 216
2421978	Atrazine Desethyl	78.8	88.6	P/P	15 - 122
2421978	Avobenzone	138	137	P/P	37 - 178
2421978	Azinphos Methyl	118	117	P/P	40 - 292
2421978	Azoxystrobin	125	125	P/P	35 - 220
2421978	Bromacil	108	107	P/P	45 - 127
2421978	Butylate	50.5	62.7	P/P	20 - 83.0
2421978	Caffeine	108	100	P/P	10 - 194
2421978	Carbophenothion	91.3	127	P/P	57 - 127
2421978	Carfentrazone Ethyl	106	137	P/P	51 - 141
2421978	Chlorfenapyr	94.5	104	P/P	46 - 111
2421978	Chlorpyrifos Ethyl	82.4	81.9	P/P	52 - 120
2421978	Chlorpyrifos Methyl	73.1	92.2	P/P	63 - 119
2421978	Coumaphos	142	135	P/P	10 - 228
2421978	Cyanazine	131	148	P/P	59 - 241
2421978	Cyprodinil	76.1	99.7	P/P	47 - 146
2421978	Dechlorane 602	76.0	67.3	P/P	50 - 150
2421978	Dechlorane 603	116	119	P/P	50 - 150
2421978	Dechlorane Plus	74.9	73.7	P/P	50 - 150
2421978	Demeton	72.5	81.5	P/P	40 - 136
2421978	Diazinon	89.9	99.8	P/P	69 - 132
2421978	Difenoconazole	142	137	P/P	57 - 258
2421978	Dimethenamid	82.5	88.6	P/P	54 - 110
2421978	Dimethomorph	269	248	F/F	28 - 210
2421978	Disulfoton	93.8	99.9	P/P	43 - 133
2421978	Dithiopyr	94.9	95.9	P/P	39 - 116
2421978	EPTC	46.1	57.6	P/P	20 - 78.0
2421978	Ethion	70.6	57.5	P/P	17 - 119
2421978	Ethoprop	86.9	87.5	P/P	66 - 120
2421978	Etridiazole	61.8	64.7	P/P	28 - 96.0
2421978	Fenamiphos	94.7	99.4	P/P	41 - 126
2421978	Fenbuconazole	49.6	47.6	P/P	42 - 169
2421978	Fipronil	77.3	98.5	P/P	61 - 132
2421978	Fipronil Desulfinyl	70.8	93.0	P/P	56 - 132
2421978	Fipronil Sulfide	73.8	96.4	P/P	48 - 119
2421978	Fipronil Sulfone	77.2	111	P/P	42 - 131
2421978	Fluazifop-P-butyl	78.2	115	P/P	53 - 131
2421978	Fludioxonil	63.6	84.6	P/P	56 - 127
2421978	Flumioxazin	223	195	P/P	19 - 300
2421978	Flutolanil	73.3	90.8	P/P	41 - 127
2421978	Fluxapyroxad	107	115	P/P	42 - 172
2421978	Fonofos	72.0	79.6	P/P	59 - 113
2421978	Hexabromobenzene	117	114	P/P	50 - 150
2421978	Hexazinone	89.9	89.6	P/P	66 - 122
2421978	Imazalil	92.3	103	P/P	21 - 283
2421978	Iprodione	101	101	P/P	43 - 150
2421978	Loratadine	233	229	F/F	23 - 201
2421978	Malathion	78.2	91.8	P/P	58 - 136
2421978	Metalaxyl	73.0	81.7	P/P	55 - 120

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P432162

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2421978	Metolachlor	82.2	104	P/P	57 - 121
2421978	Metribuzin	99.4	101	P/P	58 - 294
2421978	Mevinphos	74.1	74.6	P/P	50 - 126
2421978	Molinate	49.3	61.8	P/P	42 - 93.0
2421978	Myclobutanil	99.5	99.2	P/P	55 - 125
2421978	Naled	38.7	37.3	P/P	18 - 200
2421978	Napropamide	59.9	87.0	P/P	39 - 110
2421978	Norflurazon	99.0	105	P/P	48 - 128
2421978	Octinoxate	109	107	P/P	21 - 159
2421978	Oxadiazon	90.1	84.8	P/P	43 - 112
2421978	Oxybenzone	105	105	P/P	41 - 142
2421978	Oxyfluorfen	105	129	P/P	64 - 153
2421978	Parathion Ethyl	112	93.2	P/P	69 - 114
2421978	Parathion Methyl	99.1	130	P/P	79 - 139
2421978	PBB-153	125	131	P/P	50 - 150
2421978	PBDE-47	104	97.4	P/P	27 - 144
2421978	PBDE-99	100	93.6	P/P	18 - 150
2421978	Pendimethalin	74.2	96.5	P/P	50 - 139
2421978	Pentabromotoluene	101	98.9	P/P	50 - 150
2421978	Phenytoin	30.9	29.2	P/P	10 - 146
2421978	Phorate	69.0	78.4	P/P	54 - 161
2421978	Prodiamine	35.8	37.6	P/P	30 - 161
2421978	Prometon	121	110	P/P	45 - 134
2421978	Prometryn	80.6	101	P/P	45 - 137
2421978	Pronamide	123	118	P/P	65 - 133
2421978	Propanil	125	110	P/P	49 - 142
2421978	Propargite	79.6	66.7	P/P	10 - 203
2421978	Propiconazole	69.6	80.9	P/P	38 - 146
2421978	Pyraflufen Ethyl	105	119	P/P	34 - 153
2421978	Pyridaben	139	116	P/P	12 - 192
2421978	Pyriproxyfen	98.8	81.1	P/P	33 - 180
2421978	Simazine	59.5	73.6	P/P	51 - 157
2421978	Stiropfos	19.3	35.2	P/P	10 - 128
2421978	Sulfentrazone	115	115	P/P	53 - 186
2421978	Tebuconazole	70.2	61.6	P/P	10 - 133
2421978	Terbufos	105	106	P/P	65 - 139
2421978	Terbuthylazine	77.1	91.9	P/P	66 - 117
2421978	Tetradecachloro-m-terphenyl	120	131	P/P	70 - 200
2421978	Thiobencarb	87.4	91.8	P/P	51 - 119
2421978	Tri-o-cresyl Phosphate	110	107	P/P	31 - 144
2421978	Triadimefon	99.3	97.8	P/P	48 - 119
2421978	Tris(1-chloro-2-propyl) phosphate (TCPP)	80.2	80.3	P/P	50 - 150
2421978	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	99.1	98.0	P/P	50 - 150
2421978	Tris(2-chloroethyl) phosphate (TCEP)	105	98.5	P/P	70 - 180

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P432162

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2421978	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	5.18	Spike	P	0 - 37
2421978	Acetochlor	3.52	Spike	P	0 - 28
2421978	Alachlor	10.4	Spike	P	0 - 30
2421978	Ametryn	19.2	Spike	P	0 - 32
2421978	Atrazine	2.39	Spike	P	0 - 41
2421978	Atrazine Desethyl	11.7	Spike	P	0 - 36
2421978	Avobenzone	0.248	Spike	P	0 - 36
2421978	Azinphos Methyl	0.799	Spike	P	0 - 75
2421978	Azoxystrobin	0.00846	Spike	P	0 - 39
2421978	Bromacil	1.19	Spike	P	0 - 33
2421978	Butylate	21.5	Spike	P	0 - 44
2421978	Caffeine	6.33	Spike	P	0 - 74
2421978	Carbophenothion	32.5	Spike	F	0 - 25
2421978	Carfentrazone Ethyl	25.9	Spike	P	0 - 27
2421978	Chlorfenapyr	9.32	Spike	P	0 - 24
2421978	Chlorpyrifos Ethyl	0.593	Spike	P	0 - 26
2421978	Chlorpyrifos Methyl	23.1	Spike	P	0 - 26
2421978	Coumaphos	4.94	Spike	P	0 - 28
2421978	Cyanazine	12.4	Spike	P	0 - 48
2421978	Cyprodinil	26.9	Spike	P	0 - 29
2421978	Dechlorane 602	12.2	Spike	P	0 - 30
2421978	Dechlorane 603	2.54	Spike	P	0 - 30
2421978	Dechlorane Plus	1.60	Spike	P	0 - 30
2421978	Demeton	11.7	Spike	P	0 - 33
2421978	Diazinon	10.4	Spike	P	0 - 29
2421978	Difenoconazole	3.04	Spike	P	0 - 34
2421978	Dimethenamid	7.14	Spike	P	0 - 39
2421978	Dimethomorph	8.40	Spike	P	0 - 51
2421978	Disulfoton	6.29	Spike	P	0 - 30
2421978	Dithiopyr	0.956	Spike	P	0 - 26
2421978	EPTC	22.1	Spike	P	0 - 43
2421978	Ethion	20.4	Spike	P	0 - 79
2421978	Ethoprop	0.695	Spike	P	0 - 29
2421978	Etridiazole	4.54	Spike	P	0 - 33
2421978	Fenamiphos	4.83	Spike	P	0 - 40
2421978	Fenbuconazole	4.21	Spike	P	0 - 74
2421978	Fipronil	24.1	Spike	P	0 - 29
2421978	Fipronil Desulfinyl	25.3	Spike	P	0 - 32
2421978	Fipronil Sulfide	25.4	Spike	P	0 - 30
2421978	Fipronil Sulfone	32.9	Spike	P	0 - 33
2421978	Fluazifop-P-butyl	37.6	Spike	P	0 - 38
2421978	Fludioxonil	28.4	Spike	P	0 - 29
2421978	Flumioxazin	13.4	Spike	P	0 - 51
2421978	Flutolanil	21.4	Spike	P	0 - 25
2421978	Fluxapyroxad	7.31	Spike	P	0 - 45
2421978	Fonofos	9.94	Spike	P	0 - 27
2421978	Hexabromobenzene	2.32	Spike	P	0 - 30
2421978	Hexazinone	0.337	Spike	P	0 - 30
2421978	Imazalil	11.4	Spike	P	0 - 100
2421978	Iprodione	0.499	Spike	P	0 - 33
2421978	Loratadine	1.90	Spike	P	0 - 56

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P432162

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2421978	Malathion	15.9	Spike	P	0 - 37
2421978	Metalaxyl	9.92	Spike	P	0 - 40
2421978	Metolachlor	14.1	Spike	P	0 - 29
2421978	Metribuzin	1.38	Spike	P	0 - 45
2421978	Mevinphos	0.668	Spike	P	0 - 29
2421978	Molinate	22.5	Spike	P	0 - 33
2421978	Myclobutanil	0.331	Spike	P	0 - 26
2421978	Naled	3.66	Spike	P	0 - 37
2421978	Napropamide	36.9	Spike	P	0 - 44
2421978	Norflurazon	6.12	Spike	P	0 - 30
2421978	Octinoxate	1.99	Spike	P	0 - 45
2421978	Oxadiazon	3.39	Spike	P	0 - 28
2421978	Oxybenzone	0.149	Spike	P	0 - 46
2421978	Oxyfluorfen	20.0	Spike	P	0 - 28
2421978	Parathion Ethyl	18.7	Spike	P	0 - 31
2421978	Parathion Methyl	27.2	Spike	P	0 - 29
2421978	PBB-153	4.77	Spike	P	0 - 30
2421978	PBDE-47	6.40	Spike	P	0 - 36
2421978	PBDE-99	6.73	Spike	P	0 - 40
2421978	Pendimethalin	26.0	Spike	P	0 - 33
2421978	Pentabromotoluene	2.47	Spike	P	0 - 30
2421978	Phenytol	5.48	Spike	P	0 - 100
2421978	Phorate	12.8	Spike	P	0 - 36
2421978	Prodiamine	4.90	Spike	P	0 - 71
2421978	Prometon	6.71	Spike	P	0 - 36
2421978	Prometryn	22.7	Spike	P	0 - 28
2421978	Pronamide	4.77	Spike	P	0 - 24
2421978	Propanil	12.9	Spike	P	0 - 28
2421978	Propargite	17.6	Spike	P	0 - 43
2421978	Propiconazole	12.6	Spike	P	0 - 33
2421978	Pyraflufen Ethyl	12.5	Spike	P	0 - 29
2421978	Pyridaben	18.4	Spike	P	0 - 30
2421978	Pyriproxyfen	19.8	Spike	P	0 - 79
2421978	Simazine	11.3	Spike	P	0 - 29
2421978	Stirophos	58.4	Spike	P	0 - 61
2421978	Sulfentrazone	0.346	Spike	P	0 - 33
2421978	Tebuconazole	10.6	Spike	P	0 - 69
2421978	Terbufos	0.896	Spike	P	0 - 29
2421978	Terbutylazine	17.5	Spike	P	0 - 32
2421978	Tetradecachloro-m-terphenyl	9.08	Spike	P	0 - 30
2421978	Thiobencarb	4.91	Spike	P	0 - 26
2421978	Tri-o-cresyl Phosphate	2.53	Spike	P	0 - 33
2421978	Triadimefon	1.49	Spike	P	0 - 28
2421978	Tris(1-chloro-2-propyl) phosphate (TCPP)	0.0282	Spike	P	0 - 30
2421978	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	1.10	Spike	P	0 - 30
2421978	Tris(2-chloroethyl) phosphate (TCEP)	6.71	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2421978
Field Sample ID: 27010114

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	75.3	P	20 - 200
EPA 8270E	Simazine-d10	78.6	P	62 - 142
EPA 8270E	Terbufos-d10	67.2	P	58 - 132
EPA 8270E	Terphenyl-d14	83.9	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A120380
Included Lab Sample IDs: 2421978

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	99.3		P	80 - 120
Avobenzene	94.2		P	80 - 120
Dechlorane 602	99.7		P	80 - 120
Dechlorane 603	98.7		P	80 - 120
Dechlorane Plus	89.8		P	80 - 120
Hexabromobenzene	94.8		P	80 - 120
Octinoxate	92.5		P	80 - 120
Oxybenzone	96.3		P	80 - 120
PBB-153	97.9		P	80 - 120
PBDE-47	95.6		P	80 - 120
PBDE-99	99.1		P	80 - 120
Pentabromotoluene	94.3		P	80 - 120
Tetradecachloro-m-terphenyl	92.4		P	80 - 120
Tri-o-cresyl Phosphate	98.4		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	83.7		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	94.2		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	94.8		P	80 - 120

Reference Method: EPA 8270E
Run ID: A120483
Included Lab Sample IDs: 2421978

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	94.2		P	80 - 120
Alachlor	91.0		P	80 - 120
Ametryn	109		P	80 - 120
Atrazine	88.2		P	80 - 120
Atrazine Desethyl	104		P	80 - 120
Azinphos Methyl	95.3		P	80 - 120
Azoxystrobin	99.0		P	80 - 120
Bromacil	101		P	80 - 120
Butylate	100		P	80 - 120
Caffeine	97.6		P	80 - 120
Carbophenothion	104		P	80 - 120
Carfentrazone Ethyl	103		P	80 - 120
Chlorfenapyr	102		P	80 - 120
Chlorpyrifos Ethyl	92.2		P	80 - 120
Chlorpyrifos Methyl	101		P	80 - 120
Coumaphos	105		P	80 - 120
Cyanazine	97.1		P	80 - 120
Cyprodinil	99.6		P	80 - 120
Demeton	97.0		P	80 - 120
Diazinon	101		P	80 - 120
Difenoconazole	107		P	80 - 120
Dimethenamid	102		P	80 - 120
Dimethomorph	112		P	80 - 120
Disulfoton	107		P	80 - 120
Dithiopyr	100		P	80 - 120
EPTC	98.5		P	80 - 120
Ethion	92.5		P	80 - 120
Ethoprop	98.5		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A120483
Included Lab Sample IDs: 2421978

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Etridiazole	100		P	80 - 120
Fenamiphos	94.2		P	80 - 120
Fenbuconazole	53.3*		F	80 - 120
Fipronil	89.3		P	80 - 120
Fipronil Desulfinyl	98.9		P	80 - 120
Fipronil Sulfide	103		P	80 - 120
Fipronil Sulfone	110		P	80 - 120
Fluazifop-P-butyl	109		P	80 - 120
Fludioxonil	96.0		P	80 - 120
Flumioxazin	113		P	80 - 120
Flutolanil	105		P	80 - 120
Fluxapyroxad	108		P	80 - 120
Fonofos	96.5		P	80 - 120
Hexazinone	99.9		P	80 - 120
Imazalil	108		P	80 - 120
Iprodione	88.1		P	80 - 120
Loratadine	112		P	80 - 120
Malathion	86.4		P	80 - 120
Metalaxyl	89.7		P	80 - 120
Metolachlor	99.3		P	80 - 120
Metribuzin	100		P	80 - 120
Mevinphos	90.9		P	80 - 120
Molinate	85.1		P	80 - 120
Myclobutanil	91.5		P	80 - 120
Naled	100		P	80 - 120
Napropamide	113		P	80 - 120
Norflurazon	104		P	80 - 120
Oxadiazon	107		P	80 - 120
Oxyfluorfen	106		P	80 - 120
Parathion Ethyl	92.6		P	80 - 120
Parathion Methyl	90.6		P	80 - 120
Pendimethalin	92.5		P	80 - 120
Phenytoin	93.1		P	80 - 120
Phorate	101		P	80 - 120
Prodiamine	97.8		P	80 - 120
Prometon	112		P	80 - 120
Prometryn	98.1		P	80 - 120
Pronamide	103		P	80 - 120
Propanil	102		P	80 - 120
Propargite	103		P	80 - 120
Propiconazole	89.2		P	80 - 120
Pyraflufen Ethyl	108		P	80 - 120
Pyridaben	111		P	80 - 120
Pyriproxyfen	101		P	80 - 120
Simazine	82.8		P	80 - 120
Stirophos	90.5		P	80 - 120
Sulfentrazone	106		P	80 - 120
Tebuconazole	105		P	80 - 120
Terbufos	101		P	80 - 120
Terbuthylazine	89.9		P	80 - 120
Thiobencarb	101		P	80 - 120

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8270E
Run ID: A120483
Included Lab Sample IDs: 2421978

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Triadimefon	108		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		LCS	Precision	MS
						SMP	
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	80.8	115	109			5.18
	Acetochlor	95.7	95.6	92.3			3.52
	Alachlor	106	102	92.3			10.4
	Ametryn	115	103	125			19.2
	Atrazine	87.8					2.39
	Atrazine Desethyl	80.9	88.6	78.8			11.7
	Avobenzone	106	138	137			0.248
	Azinphos Methyl	89.9	117	118			0.799
	Azoxystrobin	97.6	125	125			0.0084
	Bromacil	104	107	108			1.19
	Butylate	59.1	62.7	50.5			21.5
	Caffeine	132	100	108			6.33
	Carbophenothion	116	127	91.3			32.5
	Carfentrazone Ethyl	118	137	106			25.9
	Chlorfenapyr	111	104	94.5			9.32
	Chlorpyrifos Ethyl	99.0	81.9	82.4			0.593
	Chlorpyrifos Methyl	93.8	92.2	73.1			23.1
	Coumaphos	121	135	142			4.94
	Cyanazine	144	148	131			12.4
	Cyprodinil	102	99.7	76.1			26.9
	Dechlorane 602	57.6	76.0	67.3			12.2
	Dechlorane 603	95.1	116	119			2.54
	Dechlorane Plus	78.6	74.9	73.7			1.60
	Demeton	68.5	81.5	72.5			11.7
	Diazinon	102	99.8	89.9			10.4
	Difenoconazole	83.3	137	142			3.04
	Dimethenamid	84.6	88.6	82.5			7.14
	Dimethomorph	157	248	269			8.40
	Disulfoton	99.3	99.9	93.8			6.29
	Dithiopyr	99.6	95.9	94.9			0.956
	EPTC	51.5	57.6	46.1			22.1
	Ethion	59.8	57.5	70.6			20.4
	Ethoprop	80.0	87.5	86.9			0.695
	Etridiazole	62.6	64.7	61.8			4.54
	Fenamiphos	109	99.4	94.7			4.83
	Fenbuconazole	33.2	47.6	49.6			4.21
	Fipronil	98.5	98.5	77.3			24.1
	Fipronil Desulfinyl	108	93.0	70.8			25.3
	Fipronil Sulfide	96.8	96.4	73.8			25.4
	Fipronil Sulfone	116	111	77.2			32.9
	Fluazifop-P-butyl	128	115	78.2			37.6
	Fludioxonil	84.1	84.6	63.6			28.4
	Flumioxazin	123	195	223			13.4
	Flutolanil	87.1	90.8	73.3			21.4
	Fluxapyroxad	94.0	115	107			7.31
	Fonofos	80.3	79.6	72.0			9.94
	Hexabromobenzene	96.3	117	114			2.32
	Hexazinone	90.3	89.6	89.9			0.337
	Imazalil	122	103	92.3			11.4
	Iprodione	96.8	101	101			0.499
	Loratadine	141	233	229			1.90
	Malathion	91.9	78.2	91.8			15.9

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision LCS	SMP	MS
EPA 8270E	Metalaxyl	90.5	73.0	81.7			9.92
	Metolachlor	100	82.2	104			14.1
	Metribuzin	88.1	99.4	101			1.38
	Mevinphos	63.3	74.1	74.6			0.668
	Molinate	59.1	49.3	61.8			22.5
	Myclobutanil	98.8	99.5	99.2			0.331
	Naled	37.5	38.7	37.3			3.66
	Napropamide	93.6	59.9	87.0			36.9
	Norflurazon	100	99.0	105			6.12
	Octinoxate	92.7	109	107			1.99
	Oxadiazon	86.7	90.1	84.8			3.39
	Oxybenzone	95.5	105	105			0.149
	Oxyfluorfen	136	105	129			20.0
	Parathion Ethyl	83.3	112	93.2			18.7
	Parathion Methyl	119	99.1	130			27.2
	PBB-153	92.9	125	131			4.77
	PBDE-47	83.2	104	97.4			6.40
	PBDE-99	75.5	100	93.6			6.73
	Pendimethalin	86.0	74.2	96.5			26.0
	Pentabromotoluene	82.0	101	98.9			2.47
	Phenytoin	22.8	30.9	29.2			5.48
	Phorate	74.2	69.0	78.4			12.8
	Prodiamine	32.8	35.8	37.6			4.90
	Prometon	71.1	121	110			6.71
	Prometryn	104	80.6	101			22.7
	Pronamide	117	123	118			4.77
	Propanil	117	125	110			12.9
	Propargite	64.7	79.6	66.7			17.6
	Propiconazole	71.0	69.6	80.9			12.6
	Pyraflufen Ethyl	114	105	119			12.5
	Pyridaben	90.2	139	116			18.4
	Pyriproxyfen	69.4	98.8	81.1			19.8
	Simazine	82.2	59.5	73.6			11.3
	Stirophos	69.3	19.3	35.2			58.4
	Sulfentrazone	67.5	115	115			0.346
	Tebuconazole	55.0	70.2	61.6			10.6
	Terbufos	106	105	106			0.896
	Terbutylazine	89.7	77.1	91.9			17.5
	Tetradecachloro-m-terphenyl	117	120	131			9.08
	Thiobencarb	98.2	87.4	91.8			4.91
	Tri-o-cresyl Phosphate	84.9	110	107			2.53
	Triadimefon	91.5	99.3	97.8			1.49
	Tris(1-chloro-2-propyl) phosphate (TCPP)	88.6	80.2	80.3			0.0282
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	81.3	99.1	98.0			1.10
	Tris(2-chloroethyl) phosphate (TCEP)	85.9	105	98.5			6.71

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2421978

Reference Method Descriptions

Method	Description	<u>Associated Samples</u>
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2421978

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	07/07/2023	07/12/2023 08:00	Fe-Val Siddell	07/13/2023 22:43	Arthur Maknenko	2421978
	07/07/2023	07/12/2023 08:00	Fe-Val Siddell	07/14/2023 20:34	Michael Poppell	2421978