

Chemical Analysis Report

NE-DIST-2023-03-03-01

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

Event Description: **LSJR East Boat 2023**
Request ID: **RQ-2023-02-27-27**
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: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 22-MAR-2023 11:26



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 @ CM 15 DUVAL CO

Collection Date/Time: 03/02/2023 09:40

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2391646	EPA 8270E	Oxybenzone**	9.3	U	ng/L	P426511	
		Acetochlor	0.19	U	ng/L	P426511	
		Octinoxate**	19	U	ng/L	P426511	
		Alachlor	0.37	U	ng/L	P426511	
		Avobenzone**	93	U	ng/L	P426511	
		Ametryn	1.2	I	ng/L	P426511	
		Atrazine	6.8	J	ng/L	P426511	LCS, MS
		PBDE-47**	3.7	U	ng/L	P426511	
		Atrazine Desethyl	1.2	U	ng/L	P426511	
		PBDE-99**	4.6	U	ng/L	P426511	
		Azinphos Methyl	2.8	U	ng/L	P426511	
		Tri-o-cresyl Phosphate**	5.6	U	ng/L	P426511	
		Azoxystrobin	0.37	U	ng/L	P426511	
		Bromacil	0.56	U	ng/L	P426511	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	11	U	ng/L	P426511	
		Butylate	0.19	U	ng/L	P426511	
		Dechlorane Plus**	28	U	ng/L	P426511	
		Caffeine**	10	I	ng/L	P426511	
		Dechlorane 602**	4.6	U	ng/L	P426511	
		Carbophenothion	0.46	U	ng/L	P426511	
		Dechlorane 603**	3.7	U	ng/L	P426511	
		Carfentrazone Ethyl	0.14	U	ng/L	P426511	
		Hexabromobenzene**	5.6	U	ng/L	P426511	
		Chlorfenapyr	0.28	U	ng/L	P426511	
		PBB-153**	7.4	U	ng/L	P426511	
		Chlorpyrifos Ethyl	0.28	U	ng/L	P426511	
		Pentabromotoluene**	2.8	U	ng/L	P426511	
		Chlorpyrifos Methyl	0.093	U	ng/L	P426511	
		Tris(2-chloroethyl) phosphate (TCEP)**	65	U	ng/L	P426511	
		Coumaphos	0.97	U	ng/L	P426511	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	33	IV	ng/L	P426511	
		Cyanazine	4.6	U	ng/L	P426511	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	3.4	I	ng/L	P426511	
		Cyprodinil	0.19	U	ng/L	P426511	
		Tetradecachloro-m-terphenyl**	6.9	U	ng/L	P426511	
		Demeton	3.2	U	ng/L	P426511	
		Diazinon	0.12	U	ng/L	P426511	
		Difenoconazole	0.56	U	ng/L	P426511	
		Dimethenamid	0.093	U	ng/L	P426511	
		Dimethomorph	0.28	U	ng/L	P426511	
		Disulfoton	0.56	U	ng/L	P426511	
		Dithiopyr	0.93	U	ng/L	P426511	

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2391646	EPA 8270E	EPTC	0.46	UJ	ng/L	P426511	LCS, RPD
		Ethion	0.28	U	ng/L	P426511	
		Ethoprop	0.12	U	ng/L	P426511	
		Etridiazole	0.093	U	ng/L	P426511	
		Fenamiphos	0.42	U	ng/L	P426511	
		Fenbuconazole	0.46	U	ng/L	P426511	
		Fipronil	0.25	I	ng/L	P426511	
		Fipronil Desulfinyl**	0.17	I	ng/L	P426511	
		Fipronil Sulfide	0.19	I	ng/L	P426511	
		Fipronil Sulfone	0.26	I	ng/L	P426511	
		Fluazifop-P-butyl	0.093	U	ng/L	P426511	
		Fludioxonil	0.11	I	ng/L	P426511	
		Flumioxazin	2.8	U	ng/L	P426511	
		Flutolanil	0.093	U	ng/L	P426511	
		Fluxapyroxad	0.23	U	ng/L	P426511	
		Fonofos	0.14	U	ng/L	P426511	RPD
		Hexazinone	2.8		ng/L	P426511	MS
		Imazalil	0.60	U	ng/L	P426511	
		Iprodione	1.1	I	ng/L	P426511	
		Loratadine**	0.28	U	ng/L	P426511	
		Malathion	0.32	U	ng/L	P426511	
		Metalaxyl	0.46	U	ng/L	P426511	
		Metolachlor	310		ng/L	P426511	
		Metribuzin	17	J	ng/L	P426511	LCS
		Mevinphos	0.93	U	ng/L	P426511	RPD
		Molinate	0.23	U	ng/L	P426511	MS
		Myclobutanil	0.32	U	ng/L	P426511	
		Naled	2.3	U	ng/L	P426511	
		Napropamide	0.65	U	ng/L	P426511	
		Norflurazon	0.93	U	ng/L	P426511	
		Oxadiazon	2.2		ng/L	P426511	
		Oxyfluorfen	0.19	U	ng/L	P426511	
		Parathion Ethyl	0.14	UJ	ng/L	P426511	LCS, MS
		Parathion Methyl	0.19	U	ng/L	P426511	
		Pendimethalin	0.69	U	ng/L	P426511	
		Phenytol**	4.9	U	ng/L	P426511	
		Phorate	0.23	U	ng/L	P426511	
		Prodiamine	0.74	I	ng/L	P426511	
		Prometon	2.8	U	ng/L	P426511	
		Prometryn	0.32	U	ng/L	P426511	
		Pronamide	0.093	U	ng/L	P426511	
		Propanil	0.093	U	ng/L	P426511	
		Propargite	0.74	U	ng/L	P426511	
		Propiconazole	1.2	I	ng/L	P426511	
		Pyraflufen Ethyl	0.28	U	ng/L	P426511	

Field ID: 27010114

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2391646	EPA 8270E	Pyridaben	1.3	U	ng/L	P426511	
		Pyriproxyfen	0.23	U	ng/L	P426511	
		Simazine	0.23	U	ng/L	P426511	
		Stirophos	0.37	U	ng/L	P426511	
		Sulfentrazone	1.9	I	ng/L	P426511	
		Tebuconazole	62		ng/L	P426511	
		Terbufos	0.19	U	ng/L	P426511	
		Terbuthylazine	0.19	U	ng/L	P426511	MS
		Thiobencarb	0.46	U	ng/L	P426511	
		Triadimefon	0.14	U	ng/L	P426511	

Ref. Method and Comment:
EPA 8270E: V - Due to the presence of tris(1-chloro-2-propyl) phosphate (TCPP) in both the Method Blank and the sample.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P426511

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: P426511

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: P426511

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	20	U	ng/L
Octinoxate	20	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
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: P426511

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)	17	I	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: P426511

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	92.2		P	42 - 162
Acetochlor	89.7		P	69 - 123
Alachlor	70.9		P	65 - 118
Ametryn	92.2		P	58 - 141
Atrazine	59.8		F	73 - 118
Atrazine Desethyl	51.0		P	32 - 125
Avobenzone	113		P	40 - 203
Azinphos Methyl	194		P	36 - 197
Azoxystrobin	77.7		P	58 - 226
Bromacil	75.4		P	48 - 120
Butylate	35.4		P	27 - 85.0
Caffeine	90.7		P	40 - 137
Carbophenothion	63.0		P	54 - 132
Carfentrazone Ethyl	62.0		P	60 - 142
Chlorfenapyr	60.5		P	53 - 117
Chlorpyrifos Ethyl	75.9		P	59 - 116
Chlorpyrifos Methyl	96.6		P	66 - 119
Coumaphos	135		P	11 - 234
Cyanazine	135		P	61 - 248
Cyprodinil	73.0		P	50 - 147
Dechlorane 602	97.8		P	50 - 150
Dechlorane 603	96.4		P	50 - 150
Dechlorane Plus	123		P	47 - 182
Demeton	45.3		P	30 - 138
Diazinon	91.3		P	67 - 126
Difenoconazole	157		P	38 - 205
Dimethenamid	77.6		P	57 - 111
Dimethomorph	37.0		P	16 - 212
Disulfoton	62.6		P	46 - 126
Dithiopyr	69.5		P	62 - 115
EPTC	25.8		F	28 - 80.0
Ethion	61.6		P	24 - 122
Ethoprop	92.5		P	62 - 113
Etridiazole	63.7		P	28 - 92.0
Fenamiphos	89.3		P	57 - 128
Fenbuconazole	113		P	52 - 155
Fipronil	85.6		P	63 - 130
Fipronil Desulfinyl	78.4		P	61 - 130
Fipronil Sulfide	79.5		P	56 - 117
Fipronil Sulfone	60.9		P	52 - 118
Fluazifop-P-butyl	76.0		P	61 - 128
Fludioxonil	80.7		P	59 - 129
Flumioxazin	166		P	30 - 250
Flutolanil	76.3		P	53 - 127
Fluxapyroxad	42.8		P	42 - 132
Fonofos	82.2		P	61 - 110
Hexabromobenzene	131		P	50 - 150
Hexazinone	65.2		P	46 - 139
Imazalil	49.8		P	40 - 139
Iprodione	109		P	40 - 146
Loratadine	24.5		P	10 - 224
Malathion	97.7		P	61 - 135

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P426511

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Metalaxyl	88.0		P	58 - 121
Metolachlor	65.6		P	64 - 118
Metribuzin	41.2		F	45 - 245
Mevinphos	81.1		P	49 - 118
Molinate	44.6		P	42 - 92.0
Myclobutanil	69.3		P	55 - 127
Naled	52.5		P	10 - 114
Napropamide	62.5		P	39 - 121
Norflurazon	76.3		P	55 - 129
Octinoxate	97.4		P	26 - 166
Oxadiazon	67.8		P	54 - 115
Oxybenzone	96.5		P	49 - 135
Oxyfluorfen	71.9		P	64 - 139
Parathion Ethyl	60.4		F	70 - 111
Parathion Methyl	77.1		P	76 - 136
PBB-153	124		P	50 - 150
PBDE-47	85.7		P	41 - 148
PBDE-99	81.4		P	38 - 147
Pendimethalin	90.7		P	52 - 118
Pentabromotoluene	125		P	50 - 150
Phenytoin	73.9		P	10 - 162
Phorate	70.4		P	40 - 122
Prodiamine	74.7		P	26 - 141
Prometon	82.6		P	54 - 122
Prometryn	72.8		P	61 - 128
Pronamide	85.4		P	72 - 121
Propanil	56.9		P	45 - 144
Propargite	57.0		P	10 - 199
Propiconazole	60.4		P	56 - 127
Pyraflufen Ethyl	72.4		P	56 - 140
Pyridaben	94.5		P	26 - 211
Pyriproxyfen	42.6		P	33 - 194
Simazine	89.0		P	67 - 121
Stirophos	91.5		P	20 - 142
Sulfentrazone	107		P	21 - 144
Tebuconazole	69.0		P	10 - 122
Terbufos	67.6		P	60 - 129
Terbuthylazine	75.6		P	69 - 113
Tetradecachloro-m-terphenyl	153		P	70 - 200
Thiobencarb	69.2		P	51 - 120
Tri-o-cresyl Phosphate	100		P	49 - 150
Triadimefon	57.0		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	148		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	127		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	134		P	70 - 180

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P426511

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2390328	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	89.1	99.1	P/P	26 - 165
2390328	Acetochlor	67.9	83.3	P/P	67 - 124
2390328	Alachlor	66.0	67.3	P/P	60 - 120
2390328	Ametryn	88.3	94.5	P/P	54 - 216
2390328	Atrazine	58.9	65.2	F/F	66 - 128
2390328	Atrazine Desethyl	37.8	49.4	P/P	15 - 122
2390328	Avobenzone	94.1	104	P/P	37 - 178
2390328	Azinphos Methyl	150	162	P/P	40 - 292
2390328	Azoxystrobin	51.6	57.2	P/P	35 - 220
2390328	Bromacil	57.7	78.0	P/P	45 - 127
2390328	Butylate	30.0	41.9	P/P	20 - 83.0
2390328	Caffeine	65.3	98.7	P/P	10 - 194
2390328	Carbophenothion	96.4	103	P/P	57 - 127
2390328	Carfentrazone Ethyl	59.2	61.8	P/P	51 - 141
2390328	Chlorfenapyr	52.9	57.9	P/P	46 - 111
2390328	Chlorpyrifos Ethyl	57.6	67.0	P/P	52 - 120
2390328	Chlorpyrifos Methyl	68.7	71.0	P/P	63 - 119
2390328	Coumaphos	105	123	P/P	10 - 228
2390328	Cyanazine	103	124	P/P	59 - 241
2390328	Cyprodinil	67.3	66.0	P/P	47 - 146
2390328	Dechlorane 602	65.6	71.1	P/P	50 - 150
2390328	Dechlorane 603	60.4	66.3	P/P	50 - 150
2390328	Dechlorane Plus	100	112	P/P	50 - 150
2390328	Demeton	43.9	45.0	P/P	40 - 136
2390328	Diazinon	102	126	P/P	69 - 132
2390328	Difenoconazole	124	141	P/P	57 - 258
2390328	Dimethenamid	54.5	69.6	P/P	54 - 110
2390328	Dimethomorph	35.3	40.4	P/P	28 - 210
2390328	Disulfoton	58.6	68.2	P/P	43 - 133
2390328	Dithiopyr	58.8	62.1	P/P	39 - 116
2390328	EPTC	20.9	37.9	P/P	20 - 78.0
2390328	Ethion	56.3	56.5	P/P	17 - 119
2390328	Ethoprop	75.3	97.7	P/P	66 - 120
2390328	Etridiazole	31.8	41.1	P/P	28 - 96.0
2390328	Fenamiphos	63.7	78.0	P/P	41 - 126
2390328	Fenbuconazole	106	119	P/P	42 - 169
2390328	Fipronil	70.8	75.2	P/P	61 - 132
2390328	Fipronil Desulfinyl	64.6	77.7	P/P	56 - 132
2390328	Fipronil Sulfide	66.7	70.8	P/P	48 - 119
2390328	Fipronil Sulfone	55.6	55.4	P/P	42 - 131
2390328	Fluazifop-P-butyl	72.4	68.5	P/P	53 - 131
2390328	Fludioxonil	75.6	83.9	P/P	56 - 127
2390328	Flumioxazin	116	144	P/P	19 - 300
2390328	Flutolanil	51.9	67.8	P/P	41 - 127
2390328	Fluxapyroxad	52.9	46.2	P/P	42 - 172
2390328	Fonofos	59.8	81.5	P/P	59 - 113
2390328	Hexabromobenzene	133	140	P/P	50 - 150
2390328	Hexazinone	62.8	60.5	F/F	66 - 122
2390328	Imazalil	37.2	41.0	P/P	21 - 283
2390328	Iprodione	77.3	91.5	P/P	43 - 150
2390328	Loratadine	28.1	26.3	P/P	23 - 201
2390328	Malathion	83.2	88.5	P/P	58 - 136

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P426511

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2390328	Metalaxyl	55.5	70.3	P/P	55 - 120
2390328	Metolachlor	58.6	74.0	P/P	57 - 121
2390328	Metribuzin	64.7	67.1	P/P	58 - 294
2390328	Mevinphos	62.0	83.8	P/P	50 - 126
2390328	Molinate	37.4	50.0	F/P	42 - 93.0
2390328	Myclobutanil	66.4	71.8	P/P	55 - 125
2390328	Naled	41.4	56.9	P/P	18 - 200
2390328	Napropamide	45.8	49.7	P/P	39 - 110
2390328	Norflurazon	61.3	76.7	P/P	48 - 128
2390328	Octinoxate	86.6	99.0	P/P	21 - 159
2390328	Oxadiazon	58.0	58.9	P/P	43 - 112
2390328	Oxybenzone	84.3	99.4	P/P	41 - 142
2390328	Oxyfluorfen	65.2	70.5	P/P	64 - 153
2390328	Parathion Ethyl	51.0	52.9	F/F	69 - 114
2390328	Parathion Methyl	102	111	P/P	79 - 139
2390328	PBB-153	92.0	101	P/P	50 - 150
2390328	PBDE-47	81.2	89.3	P/P	27 - 144
2390328	PBDE-99	78.3	85.4	P/P	18 - 150
2390328	Pendimethalin	85.3	84.1	P/P	50 - 139
2390328	Pentabromotoluene	123	133	P/P	50 - 150
2390328	Phenytoin	67.1	77.8	P/P	10 - 146
2390328	Phorate	55.0	59.1	P/P	54 - 161
2390328	Prodiamine	63.3	68.7	P/P	30 - 161
2390328	Prometon	87.5	77.8	P/P	45 - 134
2390328	Prometryn	50.9	59.7	P/P	45 - 137
2390328	Pronamide	67.0	85.2	P/P	65 - 133
2390328	Propanil	50.2	57.0	P/P	49 - 142
2390328	Propargite	49.1	51.8	P/P	10 - 203
2390328	Propiconazole	53.1	69.2	P/P	38 - 146
2390328	Pyraflufen Ethyl	59.8	78.8	P/P	34 - 153
2390328	Pyridaben	68.3	65.8	P/P	12 - 192
2390328	Pyriproxyfen	51.5	43.2	P/P	33 - 180
2390328	Simazine	104	124	P/P	51 - 157
2390328	Stirophos	73.3	72.6	P/P	10 - 128
2390328	Sulfentrazone	89.8	109	P/P	53 - 186
2390328	Tebuconazole	65.4	71.4	P/P	10 - 133
2390328	Terbufos	98.4	119	P/P	65 - 139
2390328	Terbutylazine	54.6	70.6	F/P	66 - 117
2390328	Tetradecachloro-m-terphenyl	108	113	P/P	70 - 200
2390328	Thiobencarb	56.9	66.4	P/P	51 - 119
2390328	Tri-o-cresyl Phosphate	88.6	100	P/P	31 - 144
2390328	Triadimefon	48.1	48.9	P/P	48 - 119
2390328	Tris(1-chloro-2-propyl) phosphate (TCPP)	118	130	P/P	50 - 150
2390328	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	119	126	P/P	50 - 150
2390328	Tris(2-chloroethyl) phosphate (TCEP)	127	143	P/P	70 - 180

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P426511

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2390328	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	10.7	Spike	P	0 - 37
2390328	Acetochlor	20.4	Spike	P	0 - 28
2390328	Alachlor	1.93	Spike	P	0 - 30
2390328	Ametryn	6.81	Spike	P	0 - 32
2390328	Atrazine	10.1	Spike	P	0 - 41
2390328	Atrazine Desethyl	26.7	Spike	P	0 - 36
2390328	Avobenzone	9.86	Spike	P	0 - 36
2390328	Azinphos Methyl	7.81	Spike	P	0 - 75
2390328	Azoxystrobin	10.3	Spike	P	0 - 39
2390328	Bromacil	30.0	Spike	P	0 - 33
2390328	Butylate	33.3	Spike	P	0 - 44
2390328	Caffeine	39.4	Spike	P	0 - 74
2390328	Carbophenothion	6.44	Spike	P	0 - 25
2390328	Carfentrazone Ethyl	4.32	Spike	P	0 - 27
2390328	Chlorfenapyr	8.91	Spike	P	0 - 24
2390328	Chlorpyrifos Ethyl	15.0	Spike	P	0 - 26
2390328	Chlorpyrifos Methyl	3.36	Spike	P	0 - 26
2390328	Coumaphos	15.8	Spike	P	0 - 28
2390328	Cyanazine	18.6	Spike	P	0 - 48
2390328	Cyprodinil	1.84	Spike	P	0 - 29
2390328	Dechlorane 602	7.93	Spike	P	0 - 30
2390328	Dechlorane 603	9.18	Spike	P	0 - 30
2390328	Dechlorane Plus	11.0	Spike	P	0 - 30
2390328	Demeton	2.28	Spike	P	0 - 33
2390328	Diazinon	20.8	Spike	P	0 - 29
2390328	Difenoconazole	12.6	Spike	P	0 - 34
2390328	Dimethenamid	24.3	Spike	P	0 - 39
2390328	Dimethomorph	13.7	Spike	P	0 - 51
2390328	Disulfoton	15.0	Spike	P	0 - 30
2390328	Dithiopyr	5.44	Spike	P	0 - 26
2390328	EPTC	57.8	Spike	F	0 - 43
2390328	Ethion	0.235	Spike	P	0 - 79
2390328	Ethoprop	26.0	Spike	P	0 - 29
2390328	Etridiazole	25.6	Spike	P	0 - 33
2390328	Fenamiphos	20.2	Spike	P	0 - 40
2390328	Fenbuconazole	11.0	Spike	P	0 - 74
2390328	Fipronil	5.93	Spike	P	0 - 29
2390328	Fipronil Desulfinyl	18.3	Spike	P	0 - 32
2390328	Fipronil Sulfide	5.66	Spike	P	0 - 30
2390328	Fipronil Sulfone	0.429	Spike	P	0 - 33
2390328	Fluazifop-P-butyl	5.55	Spike	P	0 - 38
2390328	Fludioxonil	10.4	Spike	P	0 - 29
2390328	Flumioxazin	21.2	Spike	P	0 - 51
2390328	Flutolanil	22.9	Spike	P	0 - 25
2390328	Fluxapyroxad	13.6	Spike	P	0 - 45
2390328	Fonofos	30.6	Spike	F	0 - 27
2390328	Hexabromobenzene	5.53	Spike	P	0 - 30
2390328	Hexazinone	3.58	Spike	P	0 - 30
2390328	Imazalil	9.85	Spike	P	0 - 100
2390328	Iprodione	16.9	Spike	P	0 - 33
2390328	Loratadine	6.68	Spike	P	0 - 56

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P426511

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2390328	Malathion	6.18	Spike	P	0 - 37
2390328	Metalaxyl	20.6	Spike	P	0 - 40
2390328	Metolachlor	17.8	Spike	P	0 - 29
2390328	Metribuzin	3.78	Spike	P	0 - 45
2390328	Mevinphos	30.0	Spike	F	0 - 29
2390328	Molinate	28.8	Spike	P	0 - 33
2390328	Myclobutanil	7.77	Spike	P	0 - 26
2390328	Naled	31.6	Spike	P	0 - 37
2390328	Napropamide	8.33	Spike	P	0 - 44
2390328	Norflurazon	22.4	Spike	P	0 - 30
2390328	Octinoxate	13.3	Spike	P	0 - 45
2390328	Oxadiazon	1.57	Spike	P	0 - 28
2390328	Oxybenzone	16.5	Spike	P	0 - 46
2390328	Oxyfluorfen	7.82	Spike	P	0 - 28
2390328	Parathion Ethyl	3.63	Spike	P	0 - 31
2390328	Parathion Methyl	8.57	Spike	P	0 - 29
2390328	PBB-153	9.05	Spike	P	0 - 30
2390328	PBDE-47	9.53	Spike	P	0 - 36
2390328	PBDE-99	8.72	Spike	P	0 - 40
2390328	Pendimethalin	1.31	Spike	P	0 - 33
2390328	Pentabromotoluene	7.46	Spike	P	0 - 30
2390328	Phenytol	14.9	Spike	P	0 - 100
2390328	Phorate	7.17	Spike	P	0 - 36
2390328	Prodiamine	8.20	Spike	P	0 - 71
2390328	Prometon	11.7	Spike	P	0 - 36
2390328	Prometryn	15.9	Spike	P	0 - 28
2390328	Pronamide	23.9	Spike	P	0 - 24
2390328	Propanil	12.6	Spike	P	0 - 28
2390328	Propargite	5.33	Spike	P	0 - 43
2390328	Propiconazole	26.4	Spike	P	0 - 33
2390328	Pyraflufen Ethyl	27.4	Spike	P	0 - 29
2390328	Pyridaben	3.70	Spike	P	0 - 30
2390328	Pyriproxyfen	17.5	Spike	P	0 - 79
2390328	Simazine	17.9	Spike	P	0 - 29
2390328	Stirophos	0.922	Spike	P	0 - 61
2390328	Sulfentrazone	19.2	Spike	P	0 - 33
2390328	Tebuconazole	8.71	Spike	P	0 - 69
2390328	Terbufos	19.0	Spike	P	0 - 29
2390328	Terbuthylazine	25.5	Spike	P	0 - 32
2390328	Tetradecachloro-m-terphenyl	4.74	Spike	P	0 - 30
2390328	Thiobencarb	15.4	Spike	P	0 - 26
2390328	Tri-o-cresyl Phosphate	12.3	Spike	P	0 - 33
2390328	Triadimefon	1.60	Spike	P	0 - 28
2390328	Tris(1-chloro-2-propyl) phosphate (TCPP)	7.91	Spike	P	0 - 30
2390328	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	5.63	Spike	P	0 - 30
2390328	Tris(2-chloroethyl) phosphate (TCEP)	11.6	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2391646
Field Sample ID: 27010114

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	103	P	20 - 200
EPA 8270E	Simazine-d10	97.5	P	62 - 142
EPA 8270E	Terbufos-d10	69.2	P	58 - 132
EPA 8270E	Terphenyl-d14	124	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A117885
Included Lab Sample IDs: 2391646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	96.3		P	80 - 120
Avobenzene	98.3		P	80 - 120
Dechlorane 602	92.7		P	80 - 120
Dechlorane 603	95.4		P	80 - 120
Dechlorane Plus	103		P	80 - 120
Hexabromobenzene	93.0		P	80 - 120
Octinoxate	97.1		P	80 - 120
Oxybenzone	101		P	80 - 120
PBB-153	94.1		P	80 - 120
PBDE-47	97.7		P	80 - 120
PBDE-99	102		P	80 - 120
Pentabromotoluene	95.5		P	80 - 120
Tetradecachloro-m-terphenyl	106		P	80 - 120
Tri-o-cresyl Phosphate	97.7		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	95.7		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	96.2		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	94.4		P	80 - 120

Reference Method: EPA 8270E
Run ID: A117951
Included Lab Sample IDs: 2391646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	108		P	80 - 120
Alachlor	115		P	80 - 120
Ametryn	112		P	80 - 120
Atrazine	96.2		P	80 - 120
Atrazine Desethyl	97.9		P	80 - 120
Azinphos Methyl	114		P	80 - 120
Azoxystrobin	101		P	80 - 120
Bromacil	109		P	80 - 120
Butylate	99.8		P	80 - 120
Caffeine	109		P	80 - 120
Carbophenothion	119		P	80 - 120
Carfentrazone Ethyl	119		P	80 - 120
Chlorfenapyr	102		P	80 - 120
Chlorpyrifos Ethyl	106		P	80 - 120
Chlorpyrifos Methyl	113		P	80 - 120
Coumaphos	107		P	80 - 120
Cyanazine	118		P	80 - 120
Cyprodinil	105		P	80 - 120
Demeton	101		P	80 - 120
Diazinon	117		P	80 - 120
Difenoconazole	113		P	80 - 120
Dimethenamid	120		P	80 - 120
Dimethomorph	102		P	80 - 120
Disulfoton	108		P	80 - 120
Dithiopyr	114		P	80 - 120
EPTC	103		P	80 - 120
Ethion	108		P	80 - 120
Ethoprop	110		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
 Run ID: A117951
 Included Lab Sample IDs: 2391646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Etridiazole	110		P	80 - 120
Fenamiphos	110		P	80 - 120
Fenbuconazole	106		P	80 - 120
Fipronil	111		P	80 - 120
Fipronil Desulfinyl	113		P	80 - 120
Fipronil Sulfide	114		P	80 - 120
Fipronil Sulfone	111		P	80 - 120
Fluazifop-P-butyl	114		P	80 - 120
Fludioxonil	108		P	80 - 120
Flumioxazin	116		P	80 - 120
Flutolanil	105		P	80 - 120
Fluxapyroxad	110		P	80 - 120
Fonofos	103		P	80 - 120
Hexazinone	104		P	80 - 120
Imazalil	94.7		P	80 - 120
Iprodione	113		P	80 - 120
Loratadine	92.2		P	80 - 120
Malathion	110		P	80 - 120
Metalaxyl	118		P	80 - 120
Metribuzin	94.7		P	80 - 120
Mevinphos	106		P	80 - 120
Molinate	105		P	80 - 120
Myclobutanil	108		P	80 - 120
Naled	111		P	80 - 120
Napropamide	116		P	80 - 120
Norflurazon	119		P	80 - 120
Oxadiazon	112		P	80 - 120
Oxyfluorfen	98.5		P	80 - 120
Parathion Ethyl	105		P	80 - 120
Parathion Methyl	117		P	80 - 120
Pendimethalin	119		P	80 - 120
Phenytoin	109		P	80 - 120
Phorate	94.8		P	80 - 120
Prodiamine	120		P	80 - 120
Prometon	95.1		P	80 - 120
Prometryn	104		P	80 - 120
Pronamide	109		P	80 - 120
Propanil	112		P	80 - 120
Propargite	114		P	80 - 120
Propiconazole	115		P	80 - 120
Pyraflufen Ethyl	114		P	80 - 120
Pyridaben	98.6		P	80 - 120
Pyriproxyfen	102		P	80 - 120
Simazine	103		P	80 - 120
Stirophos	112		P	80 - 120
Sulfentrazone	112		P	80 - 120
Tebuconazole	118		P	80 - 120
Terbufos	113		P	80 - 120
Terbuthylazine	102		P	80 - 120
Thiobencarb	114		P	80 - 120
Triadimefon	106		P	80 - 120

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8270E
Run ID: A118003
Included Lab Sample IDs: 2391646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Metolachlor	110		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 SMP	MS
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	92.2	89.1	99.1			10.7
	Acetochlor	89.7	67.9	83.3			20.4
	Alachlor	70.9	66.0	67.3			1.93
	Ametryn	92.2	88.3	94.5			6.81
	Atrazine	59.8	58.9	65.2			10.1
	Atrazine Desethyl	51.0	37.8	49.4			26.7
	Avobenzone	113	94.1	104			9.86
	Azinphos Methyl	194	150	162			7.81
	Azoxystrobin	77.7	51.6	57.2			10.3
	Bromacil	75.4	57.7	78.0			30.0
	Butylate	35.4	30.0	41.9			33.3
	Caffeine	90.7	65.3	98.7			39.4
	Carbophenothion	63.0	96.4	103			6.44
	Carfentrazone Ethyl	62.0	59.2	61.8			4.32
	Chlorfenapyr	60.5	52.9	57.9			8.91
	Chlorpyrifos Ethyl	75.9	57.6	67.0			15.0
	Chlorpyrifos Methyl	96.6	68.7	71.0			3.36
	Coumaphos	135	105	123			15.8
	Cyanazine	135	103	124			18.6
	Cyprodinil	73.0	67.3	66.0			1.84
	Dechlorane 602	97.8	65.6	71.1			7.93
	Dechlorane 603	96.4	60.4	66.3			9.18
	Dechlorane Plus	123	100	112			11.0
	Demeton	45.3	43.9	45.0			2.28
	Diazinon	91.3	102	126			20.8
	Difenoconazole	157	124	141			12.6
	Dimethenamid	77.6	54.5	69.6			24.3
	Dimethomorph	37.0	35.3	40.4			13.7
	Disulfoton	62.6	58.6	68.2			15.0
	Dithiopyr	69.5	58.8	62.1			5.44
	EPTC	25.8	20.9	37.9			57.8
	Ethion	61.6	56.3	56.5			0.235
	Ethoprop	92.5	75.3	97.7			26.0
	Etridiazole	63.7	31.8	41.1			25.6
	Fenamiphos	89.3	63.7	78.0			20.2
	Fenbuconazole	113	106	119			11.0
	Fipronil	85.6	70.8	75.2			5.93
	Fipronil Desulfinyl	78.4	64.6	77.7			18.3
	Fipronil Sulfide	79.5	66.7	70.8			5.66
	Fipronil Sulfone	60.9	55.6	55.4			0.429
	Fluazifop-P-butyl	76.0	72.4	68.5			5.55
	Fludioxonil	80.7	75.6	83.9			10.4
	Flumioxazin	166	116	144			21.2
	Flutolanil	76.3	51.9	67.8			22.9
	Fluxapyroxad	42.8	52.9	46.2			13.6
	Fonofos	82.2	59.8	81.5			30.6
	Hexabromobenzene	131	133	140			5.53
	Hexazinone	65.2	62.8	60.5			3.58
	Imazalil	49.8	37.2	41.0			9.85
	Iprodione	109	77.3	91.5			16.9
	Loratadine	24.5	28.1	26.3			6.68
	Malathion	97.7	83.2	88.5			6.18

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision LCS	SMP	MS
EPA 8270E	Metalaxyl	88.0	55.5	70.3			20.6
	Metolachlor	65.6	58.6	74.0			17.8
	Metribuzin	41.2	64.7	67.1			3.78
	Mevinphos	81.1	62.0	83.8			30.0
	Molinate	44.6	37.4	50.0			28.8
	Myclobutanil	69.3	66.4	71.8			7.77
	Naled	52.5	41.4	56.9			31.6
	Napropamide	62.5	45.8	49.7			8.33
	Norflurazon	76.3	61.3	76.7			22.4
	Octinoxate	97.4	86.6	99.0			13.3
	Oxadiazon	67.8	58.0	58.9			1.57
	Oxybenzone	96.5	84.3	99.4			16.5
	Oxyfluorfen	71.9	65.2	70.5			7.82
	Parathion Ethyl	60.4	51.0	52.9			3.63
	Parathion Methyl	77.1	102	111			8.57
	PBB-153	124	92.0	101			9.05
	PBDE-47	85.7	81.2	89.3			9.53
	PBDE-99	81.4	78.3	85.4			8.72
	Pendimethalin	90.7	85.3	84.1			1.31
	Pentabromotoluene	125	123	133			7.46
	Phenytoin	73.9	67.1	77.8			14.9
	Phorate	70.4	55.0	59.1			7.17
	Prodiamine	74.7	63.3	68.7			8.20
	Prometon	82.6	87.5	77.8			11.7
	Prometryn	72.8	50.9	59.7			15.9
	Pronamide	85.4	67.0	85.2			23.9
	Propanil	56.9	50.2	57.0			12.6
	Propargite	57.0	49.1	51.8			5.33
	Propiconazole	60.4	53.1	69.2			26.4
	Pyraflufen Ethyl	72.4	59.8	78.8			27.4
	Pyridaben	94.5	68.3	65.8			3.70
	Pyriproxyfen	42.6	51.5	43.2			17.5
	Simazine	89.0	104	124			17.9
	Stiropfos	91.5	73.3	72.6			0.922
	Sulfentrazone	107	89.8	109			19.2
	Tebuconazole	69.0	65.4	71.4			8.71
	Terbufos	67.6	98.4	119			19.0
	Terbutylazine	75.6	54.6	70.6			25.5
	Tetradecachloro-m-terphenyl	153	108	113			4.74
	Thiobencarb	69.2	56.9	66.4			15.4
	Tri-o-cresyl Phosphate	100	88.6	100			12.3
	Triadimefon	57.0	48.1	48.9			1.60
	Tris(1-chloro-2-propyl) phosphate (TCPP)	148	118	130			7.91
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	127	119	126			5.63
	Tris(2-chloroethyl) phosphate (TCEP)	134	127	143			11.6

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2391646

Reference Method Descriptions

Method	Description	<u>Associated Samples</u>
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2391646

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	03/03/2023	03/06/2023 08:00	Fe-Val Siddell	03/08/2023 21:30	Arthur Maknenko	2391646
	03/03/2023	03/06/2023 08:00	Fe-Val Siddell	03/09/2023 02:33	Michael Poppell	2391646
	03/03/2023	03/06/2023 08:00	Fe-Val Siddell	03/13/2023 22:19	Michael Poppell	2391646