

Chemical Analysis Report

SE-DIST-2023-08-08-01

Florida DEP Laboratory
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DOH Accreditation E31780

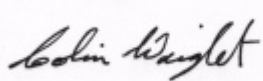
Event Description: **SMP - Melbourne**
Request ID: **RQ-2023-07-24-34**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
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Certified by: Colin Wright, Program Administrator

Date Certified: 23-AUG-2023 08:16



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: Crane Creek East of RR Bridge

Collection Date/Time: 08/07/2023 11:15

Field ID: G3SE0071

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2429389	EPA 8270E	Aldrin	0.67	U	ng/L	P433548	
		Alpha-BHC	0.10	U	ng/L	P433548	
		Alpha-Chlordane	0.21	U	ng/L	P433548	
		PCB-1016	2.1	U	ng/L	P433548	
		Beta-BHC	0.10	U	ng/L	P433548	
		PCB-1221	2.1	U	ng/L	P433548	
		Beta-Cyfluthrin	1.3	U	ng/L	P433548	
		PCB-1232	2.1	U	ng/L	P433548	
		Bifenthrin	0.51	U	ng/L	P433548	
		PCB-1242	2.1	U	ng/L	P433548	
		PCB-1248	2.1	U	ng/L	P433548	
		Chlorothalonil	3.7	U	ng/L	P433548	
		PCB-1254	2.1	U	ng/L	P433548	
		Cis-Nonachlor	0.21	U	ng/L	P433548	
		PCB-1260	2.1	U	ng/L	P433548	
		Cypermethrin	1.5	U	ng/L	P433548	
		Dacthal	0.15	U	ng/L	P433548	RPD
		DDD-p,p'	0.26	U	ng/L	P433548	
		DDE-p,p'	0.21	U	ng/L	P433548	
		DDT-p,p'	0.82	U	ng/L	P433548	
		Delta-BHC	0.41	U	ng/L	P433548	
		Deltamethrin	1.3	U	ng/L	P433548	
		Dichlobenil	0.26	U	ng/L	P433548	
		Dicofol	1.3	U	ng/L	P433548	
		Dieldrin	0.41	U	ng/L	P433548	
		Endosulfan I	0.41	U	ng/L	P433548	
		Endosulfan II	0.93	U	ng/L	P433548	
		Endosulfan Sulfate	0.31	U	ng/L	P433548	
		Endrin	0.93	U	ng/L	P433548	
		Endrin Aldehyde	0.77	U	ng/L	P433548	
		Endrin Ketone	0.41	U	ng/L	P433548	
		Esfenvalerate	0.77	U	ng/L	P433548	
		Ethalfuralin	0.15	U	ng/L	P433548	
		Fenpropathrin	0.26	U	ng/L	P433548	
		Gamma-BHC	0.13	U	ng/L	P433548	
		Gamma-Chlordane	0.21	U	ng/L	P433548	
		Heptachlor	0.21	U	ng/L	P433548	
		Heptachlor Epoxide	0.26	U	ng/L	P433548	
		Hexachlorobenzene**	1.0	U	ng/L	P433548	
		Kepone	14	U	ng/L	P433548	
		Lambda-Cyhalothrin	0.77	U	ng/L	P433548	
		Methoprene	0.77	U	ng/L	P433548	
		Methoxychlor	0.31	U	ng/L	P433548	
		MGK-264	0.21	U	ng/L	P433548	

Field ID: G3SE0071

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2429389	EPA 8270E	Mirex	0.36	U	ng/L	P433548	
		Oxychlordane	0.31	U	ng/L	P433548	
		Permethrin	1.6	U	ng/L	P433548	
		Phenothrin	0.93	U	ng/L	P433548	
		Piperonyl Butoxide	1.0		ng/L	P433548	
		Prallethrin	2.1	U	ng/L	P433548	
		Tau-Fluvalinate	0.26	U	ng/L	P433548	
		Tetramethrin	0.77	U	ng/L	P433548	
		Trans-Nonachlor	0.21	U	ng/L	P433548	
		Triclosan Methyl	0.15	U	ng/L	P433548	
		Trifluralin	0.21	U	ng/L	P433548	
	EPA 8276	Chlordane	2.1	U	ng/L	P433548	
		Toxaphene	15	U	ng/L	P433548	

Sample Location: Kid Creek at Old Dixie Highway

Collection Date/Time: 08/07/2023 11:45

Field ID: G5SE0050

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2429390	EPA 8321B	2,4-D	0.0020	U	ug/L	P433544	
		Acesulfame K	0.10	U	ug/L	P433621	MS
		2,4,5-T	0.0040	U	ug/L	P433544	
		AMPA	0.15	I	ug/L	P433621	
		Acetaminophen	0.0080	U	ug/L	P433544	
		Acetamiprid	0.0020	U	ug/L	P433544	
		Endothall	0.25	U	ug/L	P433621	
		Glufosinate	0.10	U	ug/L	P433621	
		Glyphosate	0.10	U	ug/L	P433621	
		Afidopyropen	0.0020	UJ	ug/L	P433544	CCV, RPD
		Bentazon	0.0043		ug/L	P433544	
		Sucralose	0.044		ug/L	P433621	
		Benzovindiflupyr	0.0020	U	ug/L	P433544	
		Carbamazepine	8.0E-04	U	ug/L	P433544	MS
		Clothianidin	0.0020	U	ug/L	P433544	
		Dinotefuran	0.0020	U	ug/L	P433544	
		Diuron	0.0020	U	ug/L	P433544	MS
		Fenuron	0.032	U	ug/L	P433544	
		Fluridone	8.0E-04	U	ug/L	P433544	
		Imazapyr	0.030		ug/L	P433544	
		Hydrocodone	0.0020	U	ug/L	P433544	
		Ibuprofen	0.080	U	ug/L	P433544	
		Imidacloprid	0.0020	U	ug/L	P433544	
		Linuron	0.0040	UJ	ug/L	P433544	CCV
		Mandestrobin	0.0020	U	ug/L	P433544	
		MCPP	0.0020	U	ug/L	P433544	
		Naproxen	0.0080	U	ug/L	P433544	
		Primidone	0.0040	U	ug/L	P433544	
		Pyraclostrobin	0.0020	U	ug/L	P433544	
		Silvex	0.0040	U	ug/L	P433544	
		Thiamethoxam	0.0020	U	ug/L	P433544	
		Tolfenpyrad	0.0020	U	ug/L	P433544	
		Triclopyr	0.0040	U	ug/L	P433544	

Ref. Method and Comment:

EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P433548

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.80	U	ng/L
DDT-p,p'	0.80	U	ng/L
Delta-BHC	0.40	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin	0.90	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P433548

Component	Result	Code	Units
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L
Kepone	14	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P433548

Component	Result	Code	Units
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276

Batch ID: P433548

Component	Result	Code	Units
Chlordane	2.0	U	ng/L
Chlordane	2.0	U	ng/L
Toxaphene	15	U	ng/L
Toxaphene	15	U	ng/L

Reference Method: EPA 8321B

Batch ID: P433544

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.080	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B

Batch ID: P433621

Component	Result	Code	Units
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Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P433621

Component	Result	Code	Units
Acesulfame K	0.10	U	ug/L
AMPA	0.10	U	ug/L
Endothall	0.25	U	ug/L
Glufosinate	0.10	U	ug/L
Glyphosate	0.10	U	ug/L
Sucralose	0.010	U	ug/L

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P433548

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	44.8		P	30 - 96.0
Alpha-BHC	105		P	70 - 109
Alpha-Chlordane	60.3		P	45 - 107
Beta-BHC	65.7		P	64 - 138
Beta-Cyfluthrin	79.2		P	17 - 141
Bifenthrin	52.6		P	10 - 113
Chlorothalonil	52.2		P	26 - 180
Cis-Nonachlor	61.4		P	37 - 102
Cypermethrin	74.5		P	20 - 133
Dacthal	73.8		P	69 - 114
DDD-p,p'	60.1		P	42 - 105
DDE-p,p'	61.2		P	42 - 106
DDT-p,p'	67.2		P	42 - 107
Delta-BHC	67.2		P	67 - 144
Deltamethrin	99.5		P	15 - 149
Dichlobenil	63.6		P	46 - 117
Dicofol	67.4		P	34 - 114
Dieldrin	65.5		P	50 - 108
Endosulfan I	65.5		P	55 - 104
Endosulfan II	77.6		P	51 - 111
Endosulfan Sulfate	71.2		P	56 - 121
Endrin	67.0		P	10 - 106
Endrin Aldehyde	66.2		P	34 - 114
Endrin Ketone	79.7		P	63 - 177
Esfenvalerate	84.0		P	29 - 143
Ethalfuralin	52.1		P	46 - 96.0
Fenpropathrin	54.3		P	28 - 115
Gamma-BHC	68.0		P	65 - 121
Gamma-Chlordane	60.2		P	39 - 103
Heptachlor	59.4		P	39 - 94.0
Heptachlor Epoxide	71.6		P	54 - 104
Hexachlorobenzene	46.6		P	36 - 100
Kepone	40.5		P	10 - 225
Lambda-Cyhalothrin	69.2		P	10 - 135
Methoprene	49.6		P	10 - 109
Methoxychlor	75.1		P	52 - 112
MGK-264	82.6		P	44 - 117
Mirex	57.8		P	20 - 90.0
Oxychlordane	65.1		P	44 - 102
PCB-1016	56.5		P	45 - 107
PCB-1260	71.1		P	40 - 118
Permethrin	72.1		P	18 - 135
Phenothrin	51.8		P	10 - 102
Piperonyl Butoxide	86.6		P	28 - 156
Prallethrin	65.9		P	28 - 113
Tau-Fluvalinate	70.8		P	10 - 123
Tetramethrin	80.4		P	18 - 158
Trans-Nonachlor	69.6		P	39 - 104
Triclosan Methyl	60.7		P	54 - 108
Trifluralin	73.0		P	46 - 97.0

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8276

Batch ID: P433548

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	79.1		P	52 - 117
Toxaphene	88.7		P	44 - 125

Reference Method: EPA 8321B

Batch ID: P433544

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	78.8		P	40 - 150
2,4,5-T	81.6		P	40 - 150
Acetaminophen	71.6		P	30 - 150
Acetamiprid	85.6		P	40 - 150
Afidopyropen	88.6		P	30 - 150
Bentazon	118		P	30 - 150
Benzovindiflupyr	61.0		P	40 - 150
Carbamazepine	67.9		P	40 - 150
Clothianidin	87.2		P	40 - 150
Dinotefuran	109		P	40 - 150
Diuron	61.8		P	40 - 150
Fenuron	95.7		P	40 - 150
Fluridone	97.4		P	40 - 150
Hydrocodone	111		P	40 - 150
Ibuprofen	69.4		P	40 - 150
Imazapyr	100		P	40 - 150
Imidacloprid	84.0		P	40 - 150
Linuron	71.9		P	40 - 150
Mandestrobin	94.6		P	40 - 150
MCPP	90.3		P	40 - 150
Naproxen	66.6		P	40 - 150
Primidone	85.4		P	40 - 150
Pyraclostrobin	75.8		P	40 - 150
Silvex	93.2		P	40 - 150
Thiamethoxam	82.7		P	40 - 150
Tolfenpyrad	74.0		P	30 - 150
Triclopyr	85.0		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P433621

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	101		P	40 - 150
AMPA	81.6		P	40 - 150
Endothall	103		P	40 - 150
Glufosinate	98.0		P	40 - 150
Glyphosate	114		P	40 - 150
Sucralose	93.2		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P433548

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2429311	PCB-1016	60.0	59.6	P/P	45 - 107
2429311	PCB-1260	66.7	66.0	P/P	40 - 112
2429416	Aldrin	53.4	41.6	P/P	24 - 81.0
2429416	Alpha-BHC	93.8	98.8	P/P	65 - 110
2429416	Alpha-Chlordane	68.2	61.1	P/P	43 - 119
2429416	Beta-BHC	85.2	69.5	P/P	54 - 165
2429416	Beta-Cyfluthrin	93.0	81.1	P/P	27 - 165
2429416	Bifenthrin	80.3	73.9	P/P	17 - 117
2429416	Chlorothalonil	70.7	63.9	P/P	10 - 255
2429416	Cis-Nonachlor	83.3	69.9	P/P	34 - 98.0
2429416	Cypermethrin	69.2	67.8	P/P	25 - 143
2429416	Dacthal	85.6	63.4	P/P	55 - 139
2429416	DDD-p,p'	70.3	64.7	P/P	30 - 109
2429416	DDE-p,p'	69.1	59.9	P/P	35 - 106
2429416	DDT-p,p'	66.9	67.3	P/P	41 - 101
2429416	Delta-BHC	93.2	89.2	P/P	58 - 165
2429416	Deltamethrin	103	89.8	P/P	10 - 194
2429416	Dichlobenil	54.6	47.5	P/P	22 - 114
2429416	Dicofol	73.6	70.1	P/P	17 - 133
2429416	Dieldrin	72.3	62.1	P/P	45 - 129
2429416	Endosulfan I	86.1	73.6	P/P	49 - 104
2429416	Endosulfan II	72.8	53.0	P/P	37 - 117
2429416	Endosulfan Sulfate	54.9	51.3	P/P	38 - 128
2429416	Endrin	76.3	63.2	P/P	35 - 116
2429416	Endrin Aldehyde	70.5	61.8	P/P	19 - 108
2429416	Endrin Ketone	81.5	79.0	P/P	44 - 134
2429416	Esfenvalerate	117	104	P/P	27 - 176
2429416	Ethalfuralin	72.2	61.5	P/P	49 - 100
2429416	Fenpropathrin	76.2	79.9	P/P	34 - 117
2429416	Gamma-BHC	83.8	64.1	P/P	59 - 129
2429416	Gamma-Chlordane	63.4	56.8	P/P	33 - 107
2429416	Heptachlor	72.0	59.6	P/P	37 - 94.0
2429416	Heptachlor Epoxide	88.2	81.1	P/P	38 - 118
2429416	Hexachlorobenzene	55.8	50.0	P/P	35 - 97.0
2429416	Kepone	42.1	34.0	P/P	10 - 221
2429416	Lambda-Cyhalothrin	91.0	91.0	P/P	23 - 190
2429416	Methoprene	66.9	65.0	P/P	21 - 109
2429416	Methoxychlor	64.6	62.2	P/P	46 - 118
2429416	MGK-264	73.2	68.2	P/P	39 - 122
2429416	Mirex	79.0	67.8	P/P	25 - 90.0
2429416	Oxychlordane	71.3	69.6	P/P	42 - 100
2429416	Permethrin	77.5	56.6	P/P	33 - 181
2429416	Phenothrin	90.2	78.4	P/P	12 - 125
2429416	Piperonyl Butoxide	114	118	P/P	10 - 178
2429416	Prallethrin	92.0	92.8	P/P	24 - 122
2429416	Tau-Fluvalinate	99.1	108	P/P	13 - 151
2429416	Tetramethrin	99.8	102	P/P	16 - 172
2429416	Trans-Nonachlor	64.2	52.7	P/P	39 - 100
2429416	Triclosan Methyl	70.6	58.6	P/P	43 - 110
2429416	Trifluralin	64.7	60.8	P/P	45 - 94.0

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8276
Batch ID: P433548

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2429311	Chlordane	71.6	74.9	P/P	43 - 123
2429311	Toxaphene	86.5	83.7	P/P	27 - 156

Reference Method: EPA 8321B
Batch ID: P433544

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2428665	2,4,5-T	99.8	114	P/P	40 - 150
2428665	Acetaminophen	79.6	84.5	P/P	30 - 150
2428665	Acetamiprid	40.5	44.6	P/P	40 - 150
2428665	Afidopyropen	51.9	92.8	P/P	30 - 150
2428665	Bentazon	66.0	81.7	P/P	30 - 150
2428665	Benzovindiflupyr	52.1	66.6	P/P	40 - 150
2428665	Carbamazepine	36.7	40.3	F/P	40 - 150
2428665	Dinotefuran	80.2	77.0	P/P	40 - 150
2428665	Diuron	36.9	38.7	F/F	40 - 150
2428665	Fenuron	49.5	50.3	P/P	40 - 150
2428665	Fluridone	56.7	72.9	P/P	40 - 150
2428665	Hydrocodone	56.9	57.8	P/P	40 - 150
2428665	Ibuprofen	69.4	68.2	P/P	40 - 150
2428665	Imazapyr	74.9	90.9	P/P	40 - 150
2428665	Linuron	62.6	54.5	P/P	40 - 150
2428665	Mandestrobin	68.8	83.0	P/P	40 - 150
2428665	MCPP	111	107	P/P	40 - 150
2428665	Naproxen	66.8	65.2	P/P	40 - 150
2428665	Primidone	72.2	74.4	P/P	40 - 150
2428665	Pyraclostrobin	55.4	67.9	P/P	40 - 150
2428665	Silvex	102	101	P/P	40 - 150
2428665	Thiamethoxam	60.6	73.9	P/P	40 - 150
2428665	Tolfenpyrad	60.6	72.2	P/P	30 - 150
2428665	Triclopyr	111	107	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P433621

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2429139	Acesulfame K	155	157	F/F	40 - 150
2429139	AMPA	49.0	51.3	P/P	40 - 150
2429139	Endothall	109	103	P/P	40 - 150
2429139	Glufosinate	88.1	86.4	P/P	40 - 150
2429139	Glyphosate	95.8	121	P/P	40 - 150
2429139	Sucralose	95.0	102	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P433548

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2429311	PCB-1016	0.635	Spike	P	0 - 25
2429311	PCB-1260	1.05	Spike	P	0 - 30
2429416	Aldrin	24.9	Spike	P	0 - 41
2429416	Alpha-BHC	5.19	Spike	P	0 - 25
2429416	Alpha-Chlordane	11.0	Spike	P	0 - 32
2429416	Beta-BHC	20.3	Spike	P	0 - 33
2429416	Beta-Cyfluthrin	13.7	Spike	P	0 - 43
2429416	Bifenthrin	8.21	Spike	P	0 - 52
2429416	Chlorothalonil	10.0	Spike	P	0 - 82
2429416	Cis-Nonachlor	17.6	Spike	P	0 - 33
2429416	Cypermethrin	1.94	Spike	P	0 - 51
2429416	Dacthal	29.8	Spike	F	0 - 27
2429416	DDD-p,p'	8.31	Spike	P	0 - 39
2429416	DDE-p,p'	14.3	Spike	P	0 - 31
2429416	DDT-p,p'	0.646	Spike	P	0 - 29
2429416	Delta-BHC	4.35	Spike	P	0 - 35
2429416	Deltamethrin	13.7	Spike	P	0 - 100
2429416	Dichlobenil	14.0	Spike	P	0 - 40
2429416	Dicofol	4.79	Spike	P	0 - 37
2429416	Dieldrin	14.1	Spike	P	0 - 27
2429416	Endosulfan I	15.7	Spike	P	0 - 23
2429416	Endosulfan II	31.4	Spike	P	0 - 34
2429416	Endosulfan Sulfate	6.73	Spike	P	0 - 36
2429416	Endrin	18.8	Spike	P	0 - 45
2429416	Endrin Aldehyde	13.2	Spike	P	0 - 76
2429416	Endrin Ketone	3.13	Spike	P	0 - 43
2429416	Esfenvalerate	11.6	Spike	P	0 - 51
2429416	Ethalfuralin	15.9	Spike	P	0 - 22
2429416	Fenpropathrin	4.74	Spike	P	0 - 49
2429416	Gamma-BHC	26.7	Spike	P	0 - 28
2429416	Gamma-Chlordane	11.0	Spike	P	0 - 40
2429416	Heptachlor	18.9	Spike	P	0 - 29
2429416	Heptachlor Epoxide	8.38	Spike	P	0 - 33
2429416	Hexachlorobenzene	10.9	Spike	P	0 - 36
2429416	Kepone	21.2	Spike	P	0 - 85
2429416	Lambda-Cyhalothrin	0.0390	Spike	P	0 - 55
2429416	Methoprene	2.91	Spike	P	0 - 53
2429416	Methoxychlor	3.79	Spike	P	0 - 50
2429416	MGK-264	7.14	Spike	P	0 - 43
2429416	Mirex	15.2	Spike	P	0 - 40
2429416	Oxychlordane	2.48	Spike	P	0 - 31
2429416	Permethrin	31.1	Spike	P	0 - 50
2429416	Phenothrin	14.0	Spike	P	0 - 58
2429416	Piperonyl Butoxide	2.69	Spike	P	0 - 100
2429416	Prallethrin	0.914	Spike	P	0 - 39
2429416	Tau-Fluvalinate	8.81	Spike	P	0 - 54
2429416	Tetramethrin	1.99	Spike	P	0 - 51
2429416	Trans-Nonachlor	19.8	Spike	P	0 - 39
2429416	Triclosan Methyl	18.6	Spike	P	0 - 31
2429416	Trifluralin	6.22	Spike	P	0 - 22

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P433548

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2429311	Chlordane	4.47	Spike	P	0 - 28
2429311	Toxaphene	3.32	Spike	P	0 - 27

Reference Method: EPA 8321B
Batch ID: P433544

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2428665	2,4-D	9.70	Spike	P	0 - 30
2428665	2,4,5-T	12.9	Spike	P	0 - 30
2428665	Acetaminophen	5.99	Spike	P	0 - 30
2428665	Acetamiprid	9.79	Spike	P	0 - 30
2428665	Afidopyropen	56.6	Spike	F	0 - 30
2428665	Bentazon	12.7	Spike	P	0 - 30
2428665	Benzovindiflupyr	24.4	Spike	P	0 - 30
2428665	Carbamazepine	9.33	Spike	P	0 - 30
2428665	Clothianidin	2.54	Spike	P	0 - 30
2428665	Dinotefuran	4.05	Spike	P	0 - 30
2428665	Diuron	4.64	Spike	P	0 - 30
2428665	Fenuron	1.61	Spike	P	0 - 30
2428665	Fluridone	24.9	Spike	P	0 - 30
2428665	Hydrocodone	1.57	Spike	P	0 - 30
2428665	Ibuprofen	1.69	Spike	P	0 - 30
2428665	Imazapyr	12.1	Spike	P	0 - 30
2428665	Imidacloprid	14.0	Spike	P	0 - 30
2428665	Linuron	13.8	Spike	P	0 - 30
2428665	Mandestrobin	18.7	Spike	P	0 - 30
2428665	MCP	4.26	Spike	P	0 - 30
2428665	Naproxen	2.50	Spike	P	0 - 30
2428665	Primidone	3.06	Spike	P	0 - 30
2428665	Pyraclostrobin	20.1	Spike	P	0 - 30
2428665	Silvex	0.709	Spike	P	0 - 30
2428665	Thiamethoxam	19.8	Spike	P	0 - 30
2428665	Tolfenpyrad	17.4	Spike	P	0 - 30
2428665	Triclopyr	3.93	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P433621

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2429139	Acesulfame K	0.818	Spike	P	0 - 30
2429139	AMPA	3.01	Spike	P	0 - 30
2429139	Endothall	5.59	Spike	P	0 - 30
2429139	Glufosinate	1.94	Spike	P	0 - 30
2429139	Glyphosate	6.79	Spike	P	0 - 30
2429139	Sucralose	6.38	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2429389

Field Sample ID: G3SE0071

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	78.7	P	37 - 129
EPA 8270E	Decachlorobiphenyl	76.7	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	61.3	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	74.6	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	57.2	P	28 - 102
EPA 8276	PCNB	99.8	P	49 - 115

Lab Sample ID: 2429390

Field Sample ID: G5SE0050

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	87.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	74.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	37.4	P	30 - 160
EPA 8321B	Diuron-d6	52.5	P	30 - 160
EPA 8321B	Endothall-d6	108	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	83.6	P	30 - 160
EPA 8321B	Ibuprofen-d3	71.7	P	30 - 160
EPA 8321B	Primidone-d5	48.9	P	30 - 160
EPA 8321B	Sucralose-d6	106	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8276
Run ID: A121006
Included Lab Sample IDs: 2429389

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	100		P	80 - 120
Toxaphene	101		P	80 - 120

Reference Method: EPA 8321B
Run ID: A121009
Included Lab Sample IDs: 2429390

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	80.6	86.9	P/P	60 - 160
Endothall	108	103	P/P	60 - 160
Glufosinate	95.4	99.3	P/P	60 - 160
Glyphosate	103	105	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A121013
Included Lab Sample IDs: 2429389

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	88.8		P	80 - 120
Alpha-BHC	117		P	80 - 120
Alpha-Chlordane	99.6		P	80 - 120
Beta-BHC	96.8		P	80 - 120
Beta-Cyfluthrin	104		P	80 - 120
Bifenthrin	102		P	80 - 120
Chlorothalonil	104		P	80 - 120
Cis-Nonachlor	95.8		P	80 - 120
Cypermethrin	91.2		P	80 - 120
Dacthal	93.7		P	80 - 120
DDD-p,p'	89.8		P	80 - 120
DDE-p,p'	97.5		P	80 - 120
DDT-p,p'	95.9		P	80 - 120
Delta-BHC	100		P	80 - 120
Deltamethrin	113		P	80 - 120
Dichlobenil	98.7		P	80 - 120
Dicofol	90.5		P	80 - 120
Dieldrin	105		P	80 - 120
Endosulfan I	96.1		P	80 - 120
Endosulfan II	95.0		P	80 - 120
Endosulfan Sulfate	94.6		P	80 - 120
Endrin	98.3		P	80 - 120
Endrin Aldehyde	88.1		P	80 - 120
Endrin Ketone	99.5		P	80 - 120
Esfenvalerate	108		P	80 - 120
Ethalfuralin	88.3		P	80 - 120
Fenpropathrin	93.6		P	80 - 120
Gamma-BHC	93.2		P	80 - 120
Gamma-Chlordane	95.4		P	80 - 120
Heptachlor	103		P	80 - 120
Heptachlor Epoxide	102		P	80 - 120
Hexachlorobenzene	84.0		P	80 - 120
Kepone	81.6		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A121013
Included Lab Sample IDs: 2429389

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Lambda-Cyhalothrin	102		P	80 - 120
Methoprene	94.6		P	80 - 120
Methoxychlor	96.9		P	80 - 120
MGK-264	98.4		P	80 - 120
Mirex	106		P	80 - 120
Oxychlordane	98.3		P	80 - 120
Permethrin	107		P	80 - 120
Phenothrin	106		P	80 - 120
Piperonyl Butoxide	93.3		P	80 - 120
Prallethrin	92.6		P	80 - 120
Tau-Fluvalinate	103		P	80 - 120
Tetramethrin	102		P	80 - 120
Trans-Nonachlor	104		P	80 - 120
Triclosan Methyl	97.5		P	80 - 120
Trifluralin	101		P	80 - 120

Reference Method: EPA 8321B
Run ID: A121022
Included Lab Sample IDs: 2429390

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	100	107	P/P	60 - 160
Sucralose	87.8	99.6	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A121030
Included Lab Sample IDs: 2429389

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	94.3		P	80 - 120
PCB-1260	102		P	80 - 120

Reference Method: EPA 8321B
Run ID: A121038
Included Lab Sample IDs: 2429390

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	93.2	96.4	P/P	50 - 150
2,4,5-T	87.5	85.9	P/P	50 - 150
Acetaminophen	94.9	84.8	P/P	60 - 160
Acetamiprid	111	111	P/P	50 - 150
Afidopyropen	153*	117	F/P	50 - 150
Bentazon	123	101	P/P	50 - 160
Benzovindiflupyr	108	114	P/P	50 - 150
Carbamazepine	113	97.8	P/P	60 - 150
Clothianidin	109	102	P/P	60 - 150
Dinotefuran	141	121	P/P	50 - 150
Diuron	93.6	96.5	P/P	60 - 160
Fenuron	119	108	P/P	60 - 150
Fluridone	105	106	P/P	60 - 160
Hydrocodone	114	124	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A121038
Included Lab Sample IDs: 2429390

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ibuprofen	133	110	P/P	50 - 160
Imazapyr	97.1	99.7	P/P	50 - 150
Imidacloprid	91.5	100	P/P	60 - 150
Linuron	154*	104	F/P	60 - 150
Mandestrobin	95.1	141	P/P	50 - 150
MCPP	85.3	98.1	P/P	50 - 150
Naproxen	112	94.1	P/P	50 - 160
Primidone	112	115	P/P	60 - 150
Pyraclostrobin	121	108	P/P	60 - 150
Silvex	103	86.9	P/P	50 - 150
Thiamethoxam	99.1	110	P/P	50 - 150
Tolfenpyrad	98.5	104	P/P	60 - 150
Triclopyr	87.5	80.3	P/P	50 - 150

* 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	Aldrin	44.8	53.4	41.6			24.9
	Alpha-BHC	105	93.8	98.8			5.19
	Alpha-Chlordane	60.3	68.2	61.1			11.0
	Beta-BHC	65.7	85.2	69.5			20.3
	Beta-Cyfluthrin	79.2	93.0	81.1			13.7
	Bifenthrin	52.6	80.3	73.9			8.21
	Chlorothalonil	52.2	70.7	63.9			10.0
	Cis-Nonachlor	61.4	83.3	69.9			17.6
	Cypermethrin	74.5	69.2	67.8			1.94
	Dacthal	73.8	85.6	63.4			29.8
	DDD-p,p'	60.1	70.3	64.7			8.31
	DDE-p,p'	61.2	69.1	59.9			14.3
	DDT-p,p'	67.2	66.9	67.3			0.646
	Delta-BHC	67.2	93.2	89.2			4.35
	Deltamethrin	99.5	103	89.8			13.7
	Dichlobenil	63.6	54.6	47.5			14.0
	Dicofol	67.4	73.6	70.1			4.79
	Dieldrin	65.5	72.3	62.1			14.1
	Endosulfan I	65.5	86.1	73.6			15.7
	Endosulfan II	77.6	72.8	53.0			31.4
	Endosulfan Sulfate	71.2	54.9	51.3			6.73
	Endrin	67.0	76.3	63.2			18.8
	Endrin Aldehyde	66.2	70.5	61.8			13.2
	Endrin Ketone	79.7	81.5	79.0			3.13
	Esfenvalerate	84.0	117	104			11.6
	Ethalfuralin	52.1	72.2	61.5			15.9
	Fenpropathrin	54.3	76.2	79.9			4.74
	Gamma-BHC	68.0	83.8	64.1			26.7
	Gamma-Chlordane	60.2	63.4	56.8			11.0
	Heptachlor	59.4	72.0	59.6			18.9
	Heptachlor Epoxide	71.6	88.2	81.1			8.38
	Hexachlorobenzene	46.6	55.8	50.0			10.9
	Kepone	40.5	42.1	34.0			21.2
	Lambda-Cyhalothrin	69.2	91.0	91.0			0.0390
	Methoprene	49.6	66.9	65.0			2.91
	Methoxychlor	75.1	64.6	62.2			3.79
	MGK-264	82.6	73.2	68.2			7.14
	Mirex	57.8	79.0	67.8			15.2
	Oxychlordane	65.1	71.3	69.6			2.48
	PCB-1016	56.5	60.0	59.6			0.635
	PCB-1260	71.1	66.7	66.0			1.05
	Permethrin	72.1	77.5	56.6			31.1
	Phenothrin	51.8	90.2	78.4			14.0
	Piperonyl Butoxide	86.6	114	118			2.69
	Prallethrin	65.9	92.0	92.8			0.914
	Tau-Fluvalinate	70.8	99.1	108			8.81
	Tetramethrin	80.4	99.8	102			1.99
	Trans-Nonachlor	69.6	64.2	52.7			19.8
	Triclosan Methyl	60.7	70.6	58.6			18.6
	Trifluralin	73.0	60.8	64.7			6.22
EPA 8276	Chlordane	79.1	71.6	74.9			4.47
	Toxaphene	88.7	86.5	83.7			3.32
EPA 8321B	2,4-D	78.8					9.70
	2,4,5-T	81.6	114	99.8			12.9

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8321B	Acesulfame K	101	155	157		0.818
	Acetaminophen	71.6	79.6	84.5		5.99
	Acetamiprid	85.6	40.5	44.6		9.79
	Afidopyropen	88.6	51.9	92.8		56.6
	AMPA	81.6	49.0	51.3		3.01
	Bentazon	118	81.7	66.0		12.7
	Benzovindiflupyr	61.0	52.1	66.6		24.4
	Carbamazepine	67.9	36.7	40.3		9.33
	Clothianidin	87.2				2.54
	Dinotefuran	109	80.2	77.0		4.05
	Diuron	61.8	36.9	38.7		4.64
	Endothall	103	109	103		5.59
	Fenuron	95.7	49.5	50.3		1.61
	Fluridone	97.4	56.7	72.9		24.9
	Glufosinate	98.0	88.1	86.4		1.94
	Glyphosate	114	95.8	121		6.79
	Hydrocodone	111	56.9	57.8		1.57
	Ibuprofen	69.4	68.2	69.4		1.69
	Imazapyr	100	90.9	74.9		12.1
	Imidacloprid	84.0				14.0
	Linuron	71.9	62.6	54.5		13.8
	Mandestrobin	94.6	68.8	83.0		18.7
	MCPP	90.3	107	111		4.26
	Naproxen	66.6	65.2	66.8		2.50
	Primidone	85.4	72.2	74.4		3.06
	Pyraclostrobin	75.8	55.4	67.9		20.1
	Silvex	93.2	101	102		0.709
	Sucralose	93.2	95.0	102		6.38
	Thiamethoxam	82.7	60.6	73.9		19.8
	Tolfenpyrad	74.0	72.2	60.6		17.4
	Triclopyr	85.0	107	111		3.93

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2429389
EPA 8270E	PCBs in water matrices by GC/MS/MS	2429389
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2429389
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2429390

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	08/08/2023	08/08/2023 11:00	Rasheda Ghaffari	08/11/2023 06:05	Julie Wi	2429389
	08/08/2023	08/08/2023 11:00	Rasheda Ghaffari	08/11/2023 23:16	Vandana T. Nagar	2429389
EPA 8276	08/08/2023	08/08/2023 11:00	Rasheda Ghaffari	08/12/2023 10:18	Arthur Maknenko	2429389
EPA 8321B	08/08/2023	08/09/2023 09:00	Hoor Shaik	08/15/2023 03:42	Juyoung Kim	2429390
	08/08/2023	08/10/2023 11:00	Hana Lee	08/10/2023 12:13	Tae K Lee	2429390
	08/08/2023	08/10/2023 11:00	Hana Lee	08/11/2023 19:25	Tae K Lee	2429390