Chemical Analysis Report

SE-DIST-2022-03-08-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Vero Beach**
Request ID: **RQ-2022-03-07-29**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
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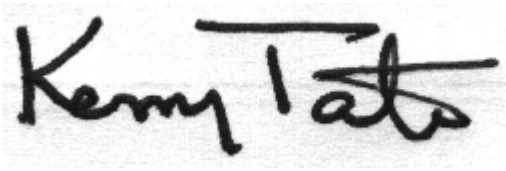
Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 29-MAR-2022 11:09



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: Vero North Canal @ 66th Ave **Collection Date/Time: 03/07/2022 08:45**

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310686	EPA 8321B	Acesulfame K	0.10	U	ug/L	P410753	
		2,4-D	0.013		ug/L	P410795	
		AMPA	100	U	ug/L	P410753	
		2,4,5-T	0.0040	U	ug/L	P410795	
		Sucralose	0.12		ug/L	P410753	
		Acetaminophen	0.0080	U	ug/L	P410795	
		Endothall	0.25	U	ug/L	P410753	
		Acetamiprid	0.0020	U	ug/L	P410795	
		Glufosinate	100	U	ug/L	P410753	
		Glyphosate	100	U	ug/L	P410753	
		Afidopyropen	0.0020	U	ug/L	P410795	
		Bentazon	0.017		ug/L	P410795	
		Benzovindiflupyr	0.0020	U	ug/L	P410795	
		Carbamazepine	8.0E-04	U	ug/L	P410795	
		Clothianidin	0.0020	U	ug/L	P410795	
		Dinotefuran	0.0020	U	ug/L	P410795	MS
		Diuron	0.0020	U	ug/L	P410795	
		Fenuron	0.016	U	ug/L	P410795	
		Fluridone	0.0092		ug/L	P410795	
		Imazapyr	0.041		ug/L	P410795	
		Hydrocodone	0.0020	U	ug/L	P410795	
		Ibuprofen	0.020	U	ug/L	P410795	
		Imidacloprid	0.0020	I	ug/L	P410795	MS
		Linuron	0.0040	U	ug/L	P410795	
		Mandestrobin	0.0020	U	ug/L	P410795	
		MCPP	0.0040	U	ug/L	P410795	
		Naproxen	0.0080	U	ug/L	P410795	
		Primidone	0.0040	U	ug/L	P410795	
		Pyraclostrobin	0.0020	U	ug/L	P410795	
		Silvex	0.0040	U	ug/L	P410795	
		Thiamethoxam	0.0059	I	ug/L	P410795	
		Tolfenpyrad	0.0020	U	ug/L	P410795	
		Triclopyr	0.0040	U	ug/L	P410795	

Ref. Method and Comment:
EPA 8321B: Some MDLs are elevated due to required dilution of sample matrix.

Sample Location: North Canal @US1 **Collection Date/Time: 03/07/2022 09:15**

Field ID: G5SE0043 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310687	EPA 8321B	Aldicarb	0.020	U	ug/L	P410796	
		Aldicarb Sulfone	0.0020	U	ug/L	P410796	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P410796	
		Carbaryl	0.0020	U	ug/L	P410796	
		Carbofuran	0.0020	U	ug/L	P410796	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P410796	
		Methiocarb	0.0020	U	ug/L	P410796	
		Methomyl	0.0020	U	ug/L	P410796	
		Oxamyl	0.0020	U	ug/L	P410796	
		Propoxur	0.0020	U	ug/L	P410796	
2310688		2,4-D	0.017		ug/L	P410795	
		Acesulfame K	0.21	I	ug/L	P410753	
		2,4,5-T	0.0040	U	ug/L	P410795	
		AMPA	0.83		ug/L	P410753	
		Sucralose	3.6		ug/L	P410753	
		Acetaminophen	0.0080	U	ug/L	P410795	
		Acetamiprid	0.0020	U	ug/L	P410795	
		Endothall	0.25	U	ug/L	P410753	
		Glufosinate	0.10	U	ug/L	P410753	
		Glyphosate	0.55		ug/L	P410753	
		Afidopyropen	0.0020	U	ug/L	P410795	
		Bentazon	0.053		ug/L	P410795	
		Benzovindiflupyr	0.0020	U	ug/L	P410795	
		Carbamazepine	0.015		ug/L	P410795	
		Clothianidin	0.0020	U	ug/L	P410795	
		Dinotefuran	0.010		ug/L	P410795	MS
		Diuron	0.012		ug/L	P410795	
		Fenuron	0.016	U	ug/L	P410795	
		Fluridone	0.0088		ug/L	P410795	
		Imazapyr	0.11		ug/L	P410795	
		Hydrocodone	0.0020	U	ug/L	P410795	
		Ibuprofen	0.020	U	ug/L	P410795	
		Imidacloprid	0.0086		ug/L	P410795	MS
		Linuron	0.0040	U	ug/L	P410795	
		Mandestrobin	0.0020	U	ug/L	P410795	
		MCPP	0.0049	I	ug/L	P410795	
		Naproxen	0.0080	U	ug/L	P410795	
		Primidone	0.054		ug/L	P410795	
		Pyraclostrobin	0.0020	U	ug/L	P410795	
		Silvex	0.0040	U	ug/L	P410795	
		Thiamethoxam	0.021		ug/L	P410795	
		Tolfenpyrad	0.0020	U	ug/L	P410795	
		Triclopyr	0.0040	U	ug/L	P410795	
2310689	EPA 8270E	Aldrin	0.68	U	ng/L	P410768	

Field ID: G5SE0043 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310689	EPA 8270E	Alpha-BHC	0.11	U	ng/L	P410768	
		Alpha-Chlordane	0.21	U	ng/L	P410768	
		PCB-1016	2.1	U	ng/L	P410768	
		Beta-BHC	0.11	U	ng/L	P410768	
		PCB-1221	2.1	U	ng/L	P410768	
		Beta-Cyfluthrin**	1.3	U	ng/L	P410768	
		PCB-1232	2.1	U	ng/L	P410768	
		Bifenthrin**	0.53	U	ng/L	P410768	RPD
		PCB-1242	2.1	U	ng/L	P410768	
		PCB-1248	2.1	U	ng/L	P410768	
		Chlorothalonil	1.3	UJ	ng/L	P410768	LCS, MS
		PCB-1254	2.1	U	ng/L	P410768	
		Cis-Nonachlor**	0.21	U	ng/L	P410768	
		PCB-1260	2.1	U	ng/L	P410768	
		Cypermethrin	1.6	U	ng/L	P410768	
		Dacthal**	0.16	U	ng/L	P410768	
		DDD-p,p'	0.26	U	ng/L	P410768	
		DDE-p,p'	0.21	U	ng/L	P410768	
		DDT-p,p'	0.26	U	ng/L	P410768	
		Delta-BHC	0.42	U	ng/L	P410768	
		Deltamethrin**	1.3	U	ng/L	P410768	MS
		Dichlobenil**	0.29	I	ng/L	P410768	
		Dicofol	1.3	U	ng/L	P410768	
		Dieldrin	0.42	U	ng/L	P410768	
		Endosulfan I	0.42	U	ng/L	P410768	
		Endosulfan II	0.42	U	ng/L	P410768	
		Endosulfan Sulfate	0.32	U	ng/L	P410768	
		Endrin	0.42	U	ng/L	P410768	
		Endrin Aldehyde	0.79	U	ng/L	P410768	
		Endrin Ketone	0.42	U	ng/L	P410768	
		Esfenvalerate**	0.79	U	ng/L	P410768	
		Ethalfluralin**	0.16	U	ng/L	P410768	
		Fenpropathrin**	0.26	U	ng/L	P410768	
		Gamma-BHC	0.13	U	ng/L	P410768	
		Gamma-Chlordane	0.21	U	ng/L	P410768	
		Heptachlor	0.21	U	ng/L	P410768	
		Heptachlor Epoxide	0.26	U	ng/L	P410768	
		Hexachlorobenzene	1.1	U	ng/L	P410768	
		Kepone**	5.3	UJ	ng/L	P410768	CCV
		Lambda-Cyhalothrin**	0.79	U	ng/L	P410768	
		Methoprene**	0.79	U	ng/L	P410768	RPD
		Methoxychlor	0.32	U	ng/L	P410768	
		MGK-264**	0.21	U	ng/L	P410768	
		Mirex	0.74	U	ng/L	P410768	
		Oxychlordane**	0.32	U	ng/L	P410768	

Field ID: G5SE0043 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310689	EPA 8270E	Permethrin	1.7	U	ng/L	P410768	
		Phenothrin**	0.95	U	ng/L	P410768	
		Piperonyl Butoxide**	0.16	U	ng/L	P410768	
		Prallethrin**	2.1	U	ng/L	P410768	
		Tau-Fluvalinate**	0.26	U	ng/L	P410768	RPD
		Tetramethrin**	0.79	U	ng/L	P410768	
		Trans-Nonachlor**	0.21	U	ng/L	P410768	
		Triclosan Methyl**	0.16	U	ng/L	P410768	
		Trifluralin	0.21	U	ng/L	P410768	
	EPA 8276	Chlordane	2.6	U	ng/L	P410768	
		Toxaphene	16	U	ng/L	P410768	
2310690	EPA 8270E	Oxybenzone**	10	U	ng/L	P410767	
		Acetochlor	0.25	U	ng/L	P410767	
		Octinoxate**	20	U	ng/L	P410767	
		Alachlor	0.25	U	ng/L	P410767	
		Avobenzone**	100	U	ng/L	P410767	
		Ametryn	0.61	U	ng/L	P410767	
		Atrazine	2.4		ng/L	P410767	
		Atrazine Desethyl	1.5	U	ng/L	P410767	
		Azinphos Methyl	2.0	U	ng/L	P410767	
		Azoxystrobin**	0.77	I	ng/L	P410767	
		Bromacil	22		ng/L	P410767	
		Butylate	0.40	U	ng/L	P410767	
		Caffeine**	7.6	U	ng/L	P410767	
		Carbophenothion	0.20	U	ng/L	P410767	
		Carfentrazone Ethyl**	0.10	U	ng/L	P410767	
		Chlorfenapyr**	0.18	U	ng/L	P410767	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P410767	
		Chlorpyrifos Methyl	0.050	U	ng/L	P410767	
		Coumaphos**	0.50	U	ng/L	P410767	
		Cyanazine	3.3	U	ng/L	P410767	
		Cyprodinil**	0.10	U	ng/L	P410767	
		Demeton	1.5	U	ng/L	P410767	
		Diazinon	0.13	U	ng/L	P410767	
		Difenoconazole**	0.61	U	ng/L	P410767	
		Dimethenamid**	0.10	U	ng/L	P410767	
		Dimethomorph**	0.44	I J	ng/L	P410767	MS
		Disulfoton	0.50	U	ng/L	P410767	
		Dithiopyr**	0.18	U	ng/L	P410767	
		EPTC	1.3	U	ng/L	P410767	
		Ethion	0.15	U	ng/L	P410767	
		Ethoprop	0.10	U	ng/L	P410767	
		Etridiazole**	0.15	U	ng/L	P410767	
		Fenamiphos	0.50	U	ng/L	P410767	
		Fenbuconazole**	0.31	I	ng/L	P410767	

Field ID: G5SE0043 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310690	EPA 8270E	Fipronil	0.25	U	ng/L	P410767	
		Fipronil Desulfinyl**	0.22	I	ng/L	P410767	
		Fipronil Sulfide	0.15	U	ng/L	P410767	
		Fipronil Sulfone	0.24	I	ng/L	P410767	
		Fluazifop-P-butyl**	0.10	U	ng/L	P410767	
		Fludioxonil**	0.13	U	ng/L	P410767	
		Flumioxazin**	1.8	U	ng/L	P410767	
		Flutolanil**	0.34	I	ng/L	P410767	
		Fluxapyroxad**	0.22	I	ng/L	P410767	
		Fonofos	0.20	U	ng/L	P410767	
		Hexazinone	0.50	U	ng/L	P410767	
		Imazalil**	0.76	U	ng/L	P410767	
		Iprodione**	0.61	U	ng/L	P410767	
		Loratadine**	0.35	I J	ng/L	P410767	MS
		Malathion	0.35	U	ng/L	P410767	
		Metalaxyl	0.76	U	ng/L	P410767	
		Metolachlor	4.0		ng/L	P410767	
		Metribuzin	2.5	UJ	ng/L	P410767	LCS
		Mevinphos	1.1	U	ng/L	P410767	
		Molinate	0.30	U	ng/L	P410767	
		Myclobutanil**	0.25	U	ng/L	P410767	
		Naled**	1.5	U	ng/L	P410767	
		Napropamide**	0.40	UJ	ng/L	P410767	MS
		Norflurazon	8.6	J	ng/L	P410767	RPD
		Oxadiazon	1.4		ng/L	P410767	
		Oxyfluorfen**	0.15	U	ng/L	P410767	
		Parathion Ethyl	0.25	U	ng/L	P410767	
		Parathion Methyl	0.55	U	ng/L	P410767	
		Pendimethalin	1.0	U	ng/L	P410767	
		Phenytoin**	3.5	UJ	ng/L	P410767	MS
		Phorate	0.53	U	ng/L	P410767	
		Prodiamine**	0.18	U	ng/L	P410767	
		Prometon	0.91	U	ng/L	P410767	
		Prometryn	0.20	U	ng/L	P410767	
		Pronamide**	0.15	U	ng/L	P410767	
		Propanil**	0.13	U	ng/L	P410767	
		Propargite**	1.5	UJ	ng/L	P410767	MS
		Propiconazole**	0.50	UJ	ng/L	P410767	RPD
		Pyraflufen Ethyl**	0.25	UJ	ng/L	P410767	LCS
		Pyridaben**	0.45	U	ng/L	P410767	
		Pyriproxyfen**	0.13	U	ng/L	P410767	
		Simazine	0.50	U	ng/L	P410767	
		Stirophos**	0.13	UJ	ng/L	P410767	MS
		Sulfentrazone**	24		ng/L	P410767	
		Tebuconazole**	0.50	U	ng/L	P410767	

Field ID: G5SE0043 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2310690	EPA 8270E	Terbufos	0.10	U	ng/L	P410767	
		Terbuthylazine	0.43	U	ng/L	P410767	
		Thiobencarb**	0.61	U	ng/L	P410767	
		Triadimefon**	0.25	U	ng/L	P410767	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for Bromacil and Sulfentrazone not assessed due to high content of these parameters 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: P410767

Component	Result	Code	Units
Acetochlor	0.25	U	ng/L
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Demeton	1.5	U	ng/L
Demeton	1.5	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
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.18	U	ng/L
Dithiopyr	0.18	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P410767

Component	Result	Code	Units
EPTC	1.2	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Ethoprop	0.10	U	ng/L
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.12	U	ng/L
Fludioxonil	0.12	U	ng/L
Flumioxazin	1.8	U	ng/L
Flumioxazin	1.8	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fonofos	0.20	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.75	U	ng/L
Imazalil	0.75	U	ng/L
Iprodione	0.60	U	ng/L
Iprodione	0.60	U	ng/L
Loratadine	0.10	U	ng/L
Loratadine	0.10	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.75	U	ng/L
Metalaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	2.5	U	ng/L
Metribuzin	2.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.30	U	ng/L
Molinate	0.30	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P410767

Component	Result	Code	Units
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Napropamide	0.40	U	ng/L
Napropamide	0.40	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.55	U	ng/L
Parathion Methyl	0.55	U	ng/L
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytoin	3.5	U	ng/L
Phenytoin	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiamine	0.18	U	ng/L
Prodiamine	0.18	U	ng/L
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Prometryn	0.20	U	ng/L
Pronamide	0.15	U	ng/L
Pronamide	0.15	U	ng/L
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P410767

Component	Result	Code	Units
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbuthylazine	0.42	U	ng/L
Terbuthylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: EPA 8270E
Batch ID: P410768

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	1.2	U	ng/L
Chlorothalonil	1.2	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'	0.25	U	ng/L
DDT-p,p'	0.25	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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P410768

Component	Result	Code	Units
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	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
Ethalfluralin	0.15	U	ng/L
Ethalfluralin	0.15	U	ng/L
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	5.0	U	ng/L
Kepone	5.0	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	0.70	U	ng/L
Mirex	0.70	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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P410768

Component	Result	Code	Units
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
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: P410768

Component	Result	Code	Units
Chlordane	2.5	U	ng/L
Chlordane	2.5	U	ng/L
Toxaphene	15	U	ng/L
Toxaphene	15	U	ng/L

Reference Method: EPA 8321B
Batch ID: P410753

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

Reference Method: EPA 8321B
Batch ID: P410795

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P410795

Component	Result	Code	Units
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	0.016	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.020	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	0.0040	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: P410796

Component	Result	Code	Units
3-Hydroxycarbofuran	0.0020	U	ug/L
Aldicarb	0.020	U	ug/L
Aldicarb Sulfone	0.0020	U	ug/L
Aldicarb Sulfoxide	0.0020	U	ug/L
Carbaryl	0.0020	U	ug/L
Carbofuran	0.0020	U	ug/L
Methiocarb	0.0020	U	ug/L
Methomyl	0.0020	U	ug/L
Oxamyl	0.0020	U	ug/L
Propoxur	0.0020	U	ug/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P410767

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	88.9		P	70 - 121
Alachlor	78.9		P	68 - 119
Ametryn	82.0		P	64 - 139
Atrazine	78.7		P	76 - 120
Atrazine Desethyl	52.1		P	44 - 126
Avobenzone	150		P	50 - 200
Azinphos Methyl	90.8		P	43 - 192
Azoxystrobin	105		P	36 - 224
Bromacil	63.9		P	52 - 121
Butylate	47.5		P	28 - 91.0
Caffeine	86.8		P	50 - 134
Carbophenothion	79.8		P	56 - 129
Carfentrazone Ethyl	76.8		P	60 - 141
Chlorfenapyr	79.3		P	56 - 115
Chlorpyrifos Ethyl	81.7		P	60 - 118
Chlorpyrifos Methyl	77.4		P	68 - 119
Coumaphos	73.3		P	18 - 250
Cyanazine	96.2		P	61 - 250
Cyprodinil	78.9		P	55 - 145
Demeton	72.6		P	30 - 159
Diazinon	83.3		P	70 - 123
Difenoconazole	72.5		P	49 - 204
Dimethenamid	66.4		P	64 - 115
Dimethomorph	142		P	12 - 219
Disulfoton	76.7		P	44 - 125
Dithiopyr	69.2		P	64 - 115
EPTC	42.4		P	28 - 86.0
Ethion	65.2		P	33 - 125
Ethoprop	74.2		P	64 - 116
Etridiazole	56.1		P	34 - 91.0
Fenamiphos	69.2		P	12 - 127
Fenbuconazole	101		P	59 - 151
Fipronil	81.7		P	67 - 129
Fipronil Desulfinyl	77.8		P	65 - 127
Fipronil Sulfide	65.1		P	61 - 116
Fipronil Sulfone	61.1		P	55 - 117
Fluazifop-P-butyl	73.9		P	62 - 127
Fludioxonil	71.9		P	62 - 128
Flumioxazin	111		P	33 - 250
Flutolanil	63.9		P	56 - 127
Fluxapyroxad	63.2		P	45 - 128
Fonofos	72.1		P	62 - 111
Hexazinone	82.0		P	46 - 139
Imazalil	73.3		P	38 - 142
Iprodione	69.4		P	47 - 135
Loratadine	143		P	10 - 244
Malathion	84.2		P	61 - 139
Metalaxyl	75.3		P	10 - 119
Metolachlor	85.7		P	65 - 118
Metribuzin	20.4		F	51 - 250
Mevinphos	57.9		P	53 - 121
Molinate	59.7		P	42 - 96.0

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P410767

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Myclobutanil	75.0		P	55 - 128
Naled	56.9		P	10 - 98.0
Napropamide	60.6		P	49 - 121
Norflurazon	67.0		P	61 - 126
Octinoxate	95.4		P	50 - 150
Oxadiazon	68.3		P	59 - 116
Oxybenzone	104		P	50 - 150
Oxyfluorfen	84.1		P	64 - 137
Parathion Ethyl	86.0		P	70 - 112
Parathion Methyl	76.4		P	76 - 133
Pendimethalin	106		P	52 - 117
Phenytoin	17.9		P	10 - 199
Phorate	71.2		P	48 - 121
Prodiamine	103		P	26 - 142
Prometon	72.6		P	43 - 123
Prometryn	74.8		P	66 - 127
Pronamide	83.1		P	75 - 121
Propanil	78.1		P	45 - 150
Propargite	61.4		P	42 - 208
Propiconazole	65.3		P	60 - 125
Pyraflufen Ethyl	66.0		F	70 - 138
Pyridaben	75.8		P	35 - 245
Pyriproxyfen	71.7		P	30 - 149
Simazine	79.3		P	72 - 125
Stirophos	67.1		P	29 - 164
Sulfentrazone	39.5		P	21 - 139
Tebuconazole	48.3		P	10 - 115
Terbufos	94.5		P	60 - 123
Terbuthylazine	75.5		P	72 - 115
Thiobencarb	79.4		P	31 - 139
Triadimefon	81.0		P	65 - 116

Reference Method: EPA 8270E
Batch ID: P410768

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	54.3		P	10 - 93.0
Alpha-BHC	95.7		P	75 - 106
Alpha-Chlordane	69.4		P	50 - 109
Beta-BHC	113		P	65 - 135
Beta-Cyfluthrin	68.6		P	23 - 167
Bifenthrin	51.3		P	11 - 123
Chlorothalonil	188		F	26 - 182
Cis-Nonachlor	65.8		P	40 - 111
Cypermethrin	71.3		P	25 - 155
Dacthal	91.1		P	73 - 112
DDD-p,p'	67.9		P	47 - 108
DDE-p,p'	68.3		P	48 - 107
DDT-p,p'	73.1		P	49 - 111
Delta-BHC	119		P	68 - 143
Deltamethrin	45.5		P	16 - 176
Dichlobenil	86.4		P	32 - 113

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P410768

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dicofol	82.7		P	50 - 108
Dieldrin	72.1		P	56 - 110
Endosulfan I	78.7		P	60 - 105
Endosulfan II	77.3		P	50 - 120
Endosulfan Sulfate	81.1		P	55 - 121
Endrin	73.8		P	31 - 119
Endrin Aldehyde	54.3		P	36 - 116
Endrin Ketone	101		P	56 - 130
Esfenvalerate	64.8		P	10 - 179
Ethalfluralin	71.0		P	49 - 99.0
Fenpropathrin	70.1		P	35 - 119
Gamma-BHC	99.6		P	72 - 115
Gamma-Chlordane	66.8		P	45 - 107
Heptachlor	66.5		P	41 - 100
Heptachlor Epoxide	87.0		P	58 - 106
Hexachlorobenzene	69.8		P	39 - 100
Kepone	105		P	10 - 191
Lambda-Cyhalothrin	66.1		P	10 - 186
Methoprene	53.2		P	10 - 129
Methoxychlor	97.3		P	61 - 111
MGK-264	85.1		P	20 - 123
Mirex	50.1		P	10 - 182
Oxychlordane	69.7		P	39 - 110
PCB-1016	81.1		P	49 - 111
PCB-1260	98.6		P	42 - 116
Permethrin	70.9		P	26 - 152
Phenothrin	51.5		P	10 - 109
Piperonyl Butoxide	123		P	27 - 142
Prallethrin	68.9		P	14 - 109
Tau-Fluvalinate	48.3		P	16 - 134
Tetramethrin	95.8		P	10 - 125
Trans-Nonachlor	70.2		P	45 - 107
Triclosan Methyl	80.3		P	60 - 110
Trifluralin	70.8		P	49 - 98.0

Reference Method: EPA 8276
Batch ID: P410768

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	99.8		P	61 - 118
Toxaphene	103		P	51 - 122

Reference Method: EPA 8321B
Batch ID: P410753

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	96.9		P	40 - 150
AMPA	87.3		P	40 - 150
Endothall	96.5		P	40 - 150
Glufosinate	87.5		P	40 - 150
Glyphosate	87.1		P	40 - 150
Sucralose	63.4		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P410795

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	77.0		P	40 - 150
2,4,5-T	45.7		P	40 - 150
Acetaminophen	95.9		P	30 - 150
Acetamiprid	75.3		P	40 - 150
Afidopyropen	47.8		P	40 - 150
Bentazon	84.3		P	30 - 150
Benzovindiflupyr	94.8		P	40 - 150
Carbamazepine	106		P	40 - 150
Clothianidin	113		P	40 - 150
Dinotefuran	95.5		P	40 - 150
Diuron	103		P	40 - 150
Fenuron	111		P	40 - 150
Fluridone	112		P	40 - 150
Hydrocodone	97.5		P	40 - 150
Ibuprofen	74.2		P	40 - 150
Imazapyr	74.0		P	40 - 150
Imidacloprid	83.9		P	40 - 150
Linuron	123		P	40 - 150
Mandestrobin	82.8		P	40 - 150
MCPP	78.1		P	40 - 150
Naproxen	70.7		P	40 - 150
Primidone	64.0		P	40 - 150
Pyraclostrobin	84.5		P	40 - 150
Silvex	61.5		P	40 - 150
Thiamethoxam	93.8		P	40 - 150
Tolfenpyrad	39.2		P	30 - 150
Triclopyr	49.9		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P410796

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	98.8		P	40 - 150
Aldicarb	94.1		P	30 - 150
Aldicarb Sulfone	96.8		P	40 - 150
Aldicarb Sulfoxide	102		P	40 - 150
Carbaryl	83.6		P	40 - 150
Carbofuran	99.7		P	40 - 150
Methiocarb	92.8		P	40 - 150
Methomyl	93.4		P	40 - 150
Oxamyl	103		P	40 - 150
Propoxur	97.4		P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P410767

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310690	Acetochlor	84.8	89.6	P/P	65 - 124
2310690	Alachlor	76.6	69.0	P/P	61 - 121
2310690	Ametryn	98.3	113	P/P	52 - 216
2310690	Atrazine	85.0	84.2	P/P	68 - 133
2310690	Atrazine Desethyl	32.0	34.8	P/P	15 - 160
2310690	Avobenzone	141	132	P/P	50 - 200
2310690	Azinphos Methyl	88.2	96.3	P/P	40 - 292
2310690	Azoxystrobin	108	112	P/P	12 - 242
2310690	Butylate	50.6	73.1	P/P	14 - 94.0
2310690	Caffeine	188	192	P/P	10 - 226
2310690	Carbophenothion	61.8	65.4	P/P	49 - 122
2310690	Carfentrazone Ethyl	66.1	68.9	P/P	53 - 138
2310690	Chlorfenapyr	65.1	63.5	P/P	50 - 150
2310690	Chlorpyrifos Ethyl	63.1	66.6	P/P	52 - 122
2310690	Chlorpyrifos Methyl	67.3	73.9	P/P	66 - 117
2310690	Coumaphos	53.8	67.5	P/P	50 - 220
2310690	Cyanazine	83.1	80.1	P/P	43 - 245
2310690	Cyprodinil	71.2	65.4	P/P	50 - 150
2310690	Demeton	81.5	85.2	P/P	43 - 188
2310690	Diazinon	81.7	84.9	P/P	69 - 131
2310690	Difenoconazole	84.5	85.7	P/P	34 - 231
2310690	Dimethenamid	64.7	72.9	P/P	55 - 118
2310690	Dimethomorph	174	179	F/F	50 - 150
2310690	Disulfoton	72.1	84.8	P/P	38 - 141
2310690	Dithiopyr	68.3	70.8	P/P	42 - 116
2310690	EPTC	42.8	52.2	P/P	18 - 85.0
2310690	Ethion	39.7	51.1	P/P	10 - 131
2310690	Ethoprop	79.6	84.6	P/P	65 - 129
2310690	Etridiazole	61.1	66.6	P/P	50 - 150
2310690	Fenamiphos	54.9	49.4	P/P	31 - 137
2310690	Fenbuconazole	103	112	P/P	57 - 160
2310690	Fipronil	82.9	77.2	P/P	62 - 132
2310690	Fipronil Desulfinyl	71.7	68.5	P/P	57 - 131
2310690	Fipronil Sulfide	52.7	47.6	P/P	15 - 138
2310690	Fipronil Sulfone	46.5	47.5	P/P	21 - 134
2310690	Fluazifop-P-butyl	54.4	63.6	P/P	54 - 133
2310690	Fludioxonil	66.7	66.9	P/P	58 - 127
2310690	Flumioxazin	139	151	P/P	33 - 300
2310690	Flutolanil	59.6	51.4	P/P	42 - 130
2310690	Fluxapyroxad	58.3	62.4	P/P	23 - 141
2310690	Fonofos	61.2	79.4	P/P	58 - 119
2310690	Hexazinone	86.4	94.0	P/P	68 - 172
2310690	Imazalil	102	95.9	P/P	48 - 283
2310690	Iprodione	58.8	64.7	P/P	38 - 140
2310690	Loratadine	176	146	F/P	50 - 150
2310690	Malathion	72.7	71.8	P/P	40 - 137
2310690	Metalaxyl	76.4	66.4	P/P	21 - 129
2310690	Metolachlor	78.2	70.9	P/P	55 - 122
2310690	Metribuzin	55.8	58.5	P/P	38 - 187
2310690	Mevinphos	59.6	64.6	P/P	54 - 134
2310690	Molinate	62.2	64.3	P/P	41 - 97.0
2310690	Myclobutanil	65.5	66.2	P/P	56 - 125

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P410767

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310690	Naled	57.1	67.7	P/P	10 - 108
2310690	Napropamide	51.4	48.1	P/F	50 - 150
2310690	Norflurazon	68.7	32.7	P/P	32 - 122
2310690	Octinoxate	78.1	65.9	P/P	50 - 150
2310690	Oxadiazon	57.4	51.5	P/P	40 - 119
2310690	Oxybenzone	95.7	92.8	P/P	50 - 150
2310690	Oxyfluorfen	81.8	77.7	P/P	61 - 153
2310690	Parathion Ethyl	86.9	91.0	P/P	59 - 130
2310690	Parathion Methyl	94.8	104	P/P	65 - 155
2310690	Pendimethalin	124	128	P/P	49 - 138
2310690	Phenytoin	28.4	29.7	F/F	50 - 200
2310690	Phorate	70.3	74.7	P/P	54 - 161
2310690	Prodiamine	42.3	40.7	P/P	33 - 161
2310690	Prometon	66.0	71.4	P/P	48 - 140
2310690	Prometryn	66.1	55.9	P/P	55 - 134
2310690	Pronamide	87.8	88.0	P/P	66 - 137
2310690	Propanil	70.2	73.0	P/P	50 - 150
2310690	Propargite	47.4	44.0	F/F	50 - 200
2310690	Propiconazole	70.5	50.4	P/P	36 - 150
2310690	Pyraflufen Ethyl	62.7	51.4	P/P	50 - 150
2310690	Pyridaben	56.4	68.9	P/P	50 - 200
2310690	Pyriproxyfen	67.7	67.4	P/P	10 - 165
2310690	Simazine	72.7	68.3	P/P	57 - 145
2310690	Stirophos	48.2	46.7	F/F	50 - 150
2310690	Tebuconazole	43.6	39.4	P/P	10 - 127
2310690	Terbufos	86.7	90.3	P/P	59 - 138
2310690	Terbuthylazine	71.2	77.3	P/P	68 - 119
2310690	Thiobencarb	78.4	70.3	P/P	50 - 150
2310690	Triadimefon	67.9	66.7	P/P	50 - 150

Reference Method: EPA 8270E
Batch ID: P410768

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310722	PCB-1016	69.1	83.5	P/P	49 - 111
2310722	PCB-1260	81.0	93.3	P/P	42 - 116
2310958	Aldrin	57.0	58.8	P/P	10 - 89.0
2310958	Alpha-BHC	89.8	92.5	P/P	71 - 105
2310958	Alpha-Chlordane	64.9	60.1	P/P	43 - 107
2310958	Beta-BHC	114	114	P/P	57 - 152
2310958	Beta-Cyfluthrin	61.0	46.8	P/P	29 - 186
2310958	Bifenthrin	49.1	32.6	P/P	19 - 119
2310958	Chlorothalonil	307	299	F/F	10 - 245
2310958	Cis-Nonachlor	69.7	64.3	P/P	36 - 110
2310958	Cypermethrin	56.0	43.8	P/P	24 - 169
2310958	Dacthal	82.7	84.0	P/P	62 - 115
2310958	DDD-p,p'	60.6	56.1	P/P	36 - 109
2310958	DDE-p,p'	70.5	66.8	P/P	30 - 114
2310958	DDT-p,p'	70.2	67.2	P/P	42 - 108
2310958	Delta-BHC	116	125	P/P	60 - 164
2310958	Deltamethrin	8.41	7.02	F/F	10 - 210
2310958	Dichlobenil	71.5	79.5	P/P	23 - 108

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P410768

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310958	Dicofol	53.3	48.1	P/P	44 - 109
2310958	Dieldrin	66.7	65.6	P/P	37 - 119
2310958	Endosulfan I	79.8	86.5	P/P	52 - 105
2310958	Endosulfan II	102	101	P/P	35 - 127
2310958	Endosulfan Sulfate	83.0	78.9	P/P	39 - 130
2310958	Endrin	75.9	74.1	P/P	30 - 116
2310958	Endrin Aldehyde	73.9	65.1	P/P	20 - 110
2310958	Endrin Ketone	102	93.2	P/P	48 - 134
2310958	Esfenvalerate	57.0	42.4	P/P	10 - 199
2310958	Ethalfluralin	72.3	70.6	P/P	48 - 95.0
2310958	Fenpropathrin	50.7	41.3	P/P	37 - 121
2310958	Gamma-BHC	75.3	78.6	P/P	61 - 126
2310958	Gamma-Chlordane	60.5	55.6	P/P	39 - 105
2310958	Heptachlor	77.6	77.7	P/P	38 - 96.0
2310958	Heptachlor Epoxide	87.5	86.3	P/P	42 - 114
2310958	Hexachlorobenzene	50.9	50.5	P/P	39 - 93.0
2310958	Kepone	131	125	P/P	10 - 215
2310958	Lambda-Cyhalothrin	58.9	43.8	P/P	10 - 204
2310958	Methoprene	55.0	36.8	P/P	17 - 108
2310958	Methoxychlor	64.7	67.1	P/P	56 - 115
2310958	MGK-264	73.4	75.3	P/P	35 - 120
2310958	Mirex	46.9	41.5	P/P	10 - 178
2310958	Oxychlordane	70.8	63.4	P/P	47 - 91.0
2310958	Permethrin	54.9	43.9	P/P	27 - 170
2310958	Phenothrin	44.5	30.8	P/P	10 - 133
2310958	Piperonyl Butoxide	94.6	79.5	P/P	23 - 150
2310958	Prallethrin	64.5	56.9	P/P	21 - 113
2310958	Tau-Fluvalinate	44.3	27.2	P/P	16 - 158
2310958	Tetramethrin	70.2	61.3	P/P	22 - 132
2310958	Trans-Nonachlor	60.1	62.3	P/P	43 - 102
2310958	Triclosan Methyl	73.7	76.9	P/P	49 - 109
2310958	Trifluralin	68.2	65.5	P/P	48 - 93.0

Reference Method: EPA 8276
Batch ID: P410768

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310722	Chlordane	76.1	80.8	P/P	55 - 128
2310722	Toxaphene	88.1	93.8	P/P	57 - 211

Reference Method: EPA 8321B
Batch ID: P410753

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310519	Acesulfame K	105	109	P/P	40 - 150
2310519	AMPA	112	116	P/P	40 - 150
2310519	Endothall	69.4	69.9	P/P	40 - 150
2310519	Glufosinate	89.6	92.6	P/P	40 - 150
2310519	Glyphosate	87.4	89.3	P/P	40 - 150
2310519	Sucralose	68.9	92.6	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P410795

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310610	2,4-D	120	112	P/P	40 - 150
2310610	2,4,5-T	62.1	67.1	P/P	40 - 150
2310610	Acetaminophen	58.3	63.0	P/P	30 - 150
2310610	Acetamiprid	133	101	P/P	40 - 150
2310610	Afidopyropen	87.7	73.9	P/P	40 - 150
2310610	Bentazon	33.4	61.5	P/P	30 - 150
2310610	Benzovindiflupyr	98.4	98.7	P/P	40 - 150
2310610	Carbamazepine	99.8	105	P/P	40 - 150
2310610	Clothianidin	99.2	124	P/P	40 - 150
2310610	Dinotefuran	133	169	P/F	40 - 150
2310610	Diuron	66.6	88.9	P/P	40 - 150
2310610	Fenuron	104	121	P/P	40 - 150
2310610	Fluridone	105	106	P/P	40 - 150
2310610	Hydrocodone	111	106	P/P	40 - 150
2310610	Ibuprofen	45.3	47.9	P/P	40 - 150
2310610	Imazapyr	150	129	P/P	40 - 150
2310610	Imidacloprid	182	174	F/F	40 - 150
2310610	Linuron	80.4	76.9	P/P	40 - 150
2310610	Mandestrobin	104	97.4	P/P	40 - 150
2310610	MCPP	95.7	92.9	P/P	40 - 150
2310610	Naproxen	60.4	53.0	P/P	40 - 150
2310610	Primidone	131	105	P/P	40 - 150
2310610	Pyraclostrobin	96.9	107	P/P	40 - 150
2310610	Silvex	68.9	57.2	P/P	40 - 150
2310610	Thiamethoxam	136	143	P/P	40 - 150
2310610	Tolfenpyrad	48.9	53.1	P/P	30 - 150
2310610	Triclopyr	60.6	50.1	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P410796

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2310687	3-Hydroxycarbofuran	111	107	P/P	40 - 150
2310687	Aldicarb	95.8	98.6	P/P	30 - 150
2310687	Aldicarb Sulfone	130	116	P/P	40 - 150
2310687	Aldicarb Sulfoxide	56.9	63.2	P/P	40 - 150
2310687	Carbaryl	81.5	82.2	P/P	40 - 150
2310687	Carbofuran	83.3	74.5	P/P	40 - 150
2310687	Methiocarb	83.2	78.8	P/P	40 - 150
2310687	Methomyl	101	95.5	P/P	40 - 150
2310687	Oxamyl	105	109	P/P	40 - 150
2310687	Propoxur	96.2	95.6	P/P	40 - 150

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P410767

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310690	Acetochlor	5.42	Spike	P	0 - 27
2310690	Alachlor	10.5	Spike	P	0 - 27
2310690	Ametryn	14.2	Spike	P	0 - 34
2310690	Atrazine	0.529	Spike	P	0 - 41
2310690	Atrazine Desethyl	8.39	Spike	P	0 - 38
2310690	Avobenzone	6.03	Spike	P	0 - 30
2310690	Azinphos Methyl	8.77	Spike	P	0 - 62
2310690	Azoxystrobin	3.09	Spike	P	0 - 32
2310690	Bromacil	14.6	Spike	P	0 - 30
2310690	Butylate	36.4	Spike	P	0 - 59
2310690	Caffeine	2.32	Spike	P	0 - 60
2310690	Carbophenothion	5.54	Spike	P	0 - 25
2310690	Carfentrazone Ethyl	4.13	Spike	P	0 - 26
2310690	Chlorfenapyr	2.49	Spike	P	0 - 30
2310690	Chlorpyrifos Ethyl	5.31	Spike	P	0 - 27
2310690	Chlorpyrifos Methyl	9.25	Spike	P	0 - 26
2310690	Coumaphos	22.7	Spike	P	0 - 30
2310690	Cyanazine	3.75	Spike	P	0 - 58
2310690	Cyprodinil	8.57	Spike	P	0 - 30
2310690	Demeton	4.47	Spike	P	0 - 25
2310690	Diazinon	3.76	Spike	P	0 - 29
2310690	Difenoconazole	1.42	Spike	P	0 - 25
2310690	Dimethenamid	11.9	Spike	P	0 - 30
2310690	Dimethomorph	2.40	Spike	P	0 - 30
2310690	Disulfoton	16.2	Spike	P	0 - 33
2310690	Dithiopyr	3.60	Spike	P	0 - 22
2310690	EPTC	19.8	Spike	P	0 - 38
2310690	Ethion	25.1	Spike	P	0 - 79
2310690	Ethoprop	6.11	Spike	P	0 - 23
2310690	Etridiazole	8.60	Spike	P	0 - 30
2310690	Fenamiphos	10.6	Spike	P	0 - 58
2310690	Fenbuconazole	8.11	Spike	P	0 - 37
2310690	Fipronil	7.05	Spike	P	0 - 33
2310690	Fipronil Desulfinyl	4.19	Spike	P	0 - 26
2310690	Fipronil Sulfide	10.2	Spike	P	0 - 37
2310690	Fipronil Sulfone	1.67	Spike	P	0 - 50
2310690	Fluazifop-P-butyl	15.6	Spike	P	0 - 24
2310690	Fludioxonil	0.232	Spike	P	0 - 26
2310690	Flumioxazin	8.36	Spike	P	0 - 37
2310690	Flutolanil	12.8	Spike	P	0 - 26
2310690	Fluxapyroxad	6.24	Spike	P	0 - 34
2310690	Fonofos	25.9	Spike	P	0 - 27
2310690	Hexazinone	8.39	Spike	P	0 - 36
2310690	Imazalil	6.59	Spike	P	0 - 65
2310690	Iprodione	9.51	Spike	P	0 - 33
2310690	Loratadine	17.3	Spike	P	0 - 30
2310690	Malathion	1.36	Spike	P	0 - 44
2310690	Metalaxyl	14.1	Spike	P	0 - 38
2310690	Metolachlor	6.75	Spike	P	0 - 36
2310690	Metribuzin	4.58	Spike	P	0 - 63
2310690	Mevinphos	7.96	Spike	P	0 - 26

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P410767

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310690	Molinate	3.38	Spike	P	0 - 40
2310690	Myclobutanil	1.07	Spike	P	0 - 21
2310690	Naled	17.0	Spike	P	0 - 26
2310690	Napropamide	6.67	Spike	P	0 - 30
2310690	Norflurazon	29.5	Spike	F	0 - 24
2310690	Octinoxate	17.0	Spike	P	0 - 30
2310690	Oxadiazon	6.67	Spike	P	0 - 27
2310690	Oxybenzone	3.09	Spike	P	0 - 30
2310690	Oxyfluorfen	5.22	Spike	P	0 - 24
2310690	Parathion Ethyl	4.57	Spike	P	0 - 28
2310690	Parathion Methyl	9.71	Spike	P	0 - 27
2310690	Pendimethalin	3.04	Spike	P	0 - 31
2310690	Phenytoin	4.26	Spike	P	0 - 30
2310690	Phorate	6.06	Spike	P	0 - 27
2310690	Prodiamine	4.00	Spike	P	0 - 52
2310690	Prometon	7.89	Spike	P	0 - 31
2310690	Prometryn	16.7	Spike	P	0 - 28
2310690	Pronamide	0.236	Spike	P	0 - 26
2310690	Propanil	4.01	Spike	P	0 - 30
2310690	Propargite	7.28	Spike	P	0 - 30
2310690	Propiconazole	33.3	Spike	F	0 - 31
2310690	Pyraflufen Ethyl	19.8	Spike	P	0 - 30
2310690	Pyridaben	19.9	Spike	P	0 - 30
2310690	Pyriproxyfen	0.345	Spike	P	0 - 50
2310690	Simazine	6.11	Spike	P	0 - 29
2310690	Stirophos	3.25	Spike	P	0 - 30
2310690	Sulfentrazone	3.44	Spike	P	0 - 33
2310690	Tebuconazole	10.2	Spike	P	0 - 44
2310690	Terbufos	4.04	Spike	P	0 - 29
2310690	Terbuthylazine	8.17	Spike	P	0 - 27
2310690	Thiobencarb	10.9	Spike	P	0 - 30
2310690	Triadimefon	1.74	Spike	P	0 - 30

Reference Method: EPA 8270E
Batch ID: P410768

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310722	PCB-1016	18.9	Spike	P	0 - 21
2310722	PCB-1260	14.2	Spike	P	0 - 27
2310958	Aldrin	3.19	Spike	P	0 - 37
2310958	Alpha-BHC	2.91	Spike	P	0 - 16
2310958	Alpha-Chlordane	7.70	Spike	P	0 - 28
2310958	Beta-BHC	0.498	Spike	P	0 - 32
2310958	Beta-Cyfluthrin	26.4	Spike	P	0 - 41
2310958	Bifenthrin	40.3	Spike	F	0 - 36
2310958	Chlorothalonil	2.54	Spike	P	0 - 54
2310958	Cis-Nonachlor	8.06	Spike	P	0 - 33
2310958	Cypermethrin	24.5	Spike	P	0 - 38
2310958	Dacthal	1.56	Spike	P	0 - 23
2310958	DDD-p,p'	7.71	Spike	P	0 - 35

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P410768

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310958	DDE-p,p'	5.43	Spike	P	0 - 27
2310958	DDT-p,p'	4.32	Spike	P	0 - 31
2310958	Delta-BHC	6.88	Spike	P	0 - 30
2310958	Deltamethrin	18.1	Spike	P	0 - 76
2310958	Dichlobenil	10.5	Spike	P	0 - 33
2310958	Dicofol	10.3	Spike	P	0 - 24
2310958	Dieldrin	1.70	Spike	P	0 - 35
2310958	Endosulfan I	8.03	Spike	P	0 - 25
2310958	Endosulfan II	0.0858	Spike	P	0 - 31
2310958	Endosulfan Sulfate	5.03	Spike	P	0 - 38
2310958	Endrin	2.45	Spike	P	0 - 53
2310958	Endrin Aldehyde	12.5	Spike	P	0 - 81
2310958	Endrin Ketone	9.02	Spike	P	0 - 33
2310958	Esfenvalerate	29.4	Spike	P	0 - 46
2310958	Ethalfluralin	2.42	Spike	P	0 - 22
2310958	Fenpropathrin	20.6	Spike	P	0 - 29
2310958	Gamma-BHC	4.29	Spike	P	0 - 17
2310958	Gamma-Chlordane	8.44	Spike	P	0 - 28
2310958	Heptachlor	0.185	Spike	P	0 - 28
2310958	Heptachlor Epoxide	1.35	Spike	P	0 - 23
2310958	Hexachlorobenzene	0.893	Spike	P	0 - 22
2310958	Kepone	4.84	Spike	P	0 - 61
2310958	Lambda-Cyhalothrin	29.4	Spike	P	0 - 52
2310958	Methoprene	39.8	Spike	F	0 - 38
2310958	Methoxychlor	3.54	Spike	P	0 - 29
2310958	MGK-264	2.56	Spike	P	0 - 41
2310958	Mirex	12.3	Spike	P	0 - 39
2310958	Oxychlordane	11.0	Spike	P	0 - 33
2310958	Permethrin	22.3	Spike	P	0 - 39
2310958	Phenothrin	36.5	Spike	P	0 - 52
2310958	Piperonyl Butoxide	17.3	Spike	P	0 - 91
2310958	Prallethrin	12.6	Spike	P	0 - 34
2310958	Tau-Fluvalinate	48.0	Spike	F	0 - 41
2310958	Tetramethrin	13.6	Spike	P	0 - 43
2310958	Trans-Nonachlor	3.65	Spike	P	0 - 31
2310958	Triclosan Methyl	4.27	Spike	P	0 - 24
2310958	Trifluralin	3.94	Spike	P	0 - 23

Reference Method: EPA 8276
Batch ID: P410768

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310722	Chlordane	5.92	Spike	P	0 - 25
2310722	Toxaphene	6.21	Spike	P	0 - 24

Reference Method: EPA 8321B
Batch ID: P410753

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P410753

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310519	Acesulfame K	3.53	Spike	P	0 - 30
2310519	AMPA	3.84	Spike	P	0 - 30
2310519	Endothall	0.702	Spike	P	0 - 30
2310519	Glufosinate	3.22	Spike	P	0 - 30
2310519	Glyphosate	2.21	Spike	P	0 - 30
2310519	Sucralose	29.4	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P410795

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310610	2,4-D	7.09	Spike	P	0 - 30
2310610	2,4,5-T	7.80	Spike	P	0 - 30
2310610	Acetaminophen	7.76	Spike	P	0 - 30
2310610	Acetamiprid	27.3	Spike	P	0 - 30
2310610	Afidopyropen	17.0	Spike	P	0 - 30
2310610	Bentazon	24.1	Spike	P	0 - 30
2310610	Benzovindiflupyr	0.266	Spike	P	0 - 30
2310610	Carbamazepine	5.14	Spike	P	0 - 30
2310610	Clothianidin	22.1	Spike	P	0 - 30
2310610	Dinotefuran	15.3	Spike	P	0 - 30
2310610	Diuron	28.7	Spike	P	0 - 30
2310610	Fenuron	15.6	Spike	P	0 - 30
2310610	Fluridone	0.605	Spike	P	0 - 30
2310610	Hydrocodone	5.13	Spike	P	0 - 30
2310610	Ibuprofen	5.40	Spike	P	0 - 30
2310610	Imazapyr	9.18	Spike	P	0 - 30
2310610	Imidacloprid	4.33	Spike	P	0 - 30
2310610	Linuron	4.46	Spike	P	0 - 30
2310610	Mandestrobin	6.64	Spike	P	0 - 30
2310610	MCPP	2.93	Spike	P	0 - 30
2310610	Naproxen	13.0	Spike	P	0 - 30
2310610	Primidone	22.0	Spike	P	0 - 30
2310610	Pyraclostrobin	9.46	Spike	P	0 - 30
2310610	Silvex	18.6	Spike	P	0 - 30
2310610	Thiamethoxam	4.58	Spike	P	0 - 30
2310610	Tolfenpyrad	8.24	Spike	P	0 - 30
2310610	Triclopyr	19.0	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P410796

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310687	3-Hydroxycarbofuran	3.31	Spike	P	0 - 30
2310687	Aldicarb	2.90	Spike	P	0 - 30
2310687	Aldicarb Sulfone	11.2	Spike	P	0 - 30
2310687	Aldicarb Sulfoxide	10.5	Spike	P	0 - 30
2310687	Carbaryl	0.946	Spike	P	0 - 30
2310687	Carbofuran	11.3	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P410796

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2310687	Methiocarb	5.31	Spike	P	0 - 30
2310687	Methomyl	5.21	Spike	P	0 - 30
2310687	Oxamyl	4.03	Spike	P	0 - 30
2310687	Propoxur	0.604	Spike	P	0 - 30

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2310686
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	90.6	P	30 - 160
EPA 8321B	Acetaminophen-d4	95.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	115	P	30 - 160
EPA 8321B	Diuron-d6	95.7	P	30 - 160
EPA 8321B	Endothall-d6	87.1	P	30 - 160
EPA 8321B	Endothall-d6	87.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	86.3	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	86.3	P	30 - 160
EPA 8321B	Ibuprofen-d3	92.5	P	30 - 160
EPA 8321B	Primidone-d5	144	P	30 - 160
EPA 8321B	Sucralose-d6	72.1	P	30 - 160
EPA 8321B	Sucralose-d6	72.1	P	30 - 160

Lab Sample ID: 2310687
Field Sample ID: G5SE0043

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	138	P	30 - 160

Lab Sample ID: 2310688
Field Sample ID: G5SE0043

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	90.7	P	30 - 160
EPA 8321B	Acetaminophen-d4	104	P	30 - 160
EPA 8321B	Carbamazepine-d10	118	P	30 - 160
EPA 8321B	Diuron-d6	91.8	P	30 - 160
EPA 8321B	Endothall-d6	54.6	P	30 - 160
EPA 8321B	Endothall-d6	54.6	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	45.9	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	45.9	P	30 - 160
EPA 8321B	Ibuprofen-d3	86.1	P	30 - 160
EPA 8321B	Primidone-d5	91.9	P	30 - 160
EPA 8321B	Sucralose-d6	59.7	P	30 - 160
EPA 8321B	Sucralose-d6	59.7	P	30 - 160

Lab Sample ID: 2310689
Field Sample ID: G5SE0043

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	57.4	P	38 - 115
EPA 8270E	Decachlorobiphenyl	58.5	P	31 - 118
EPA 8270E	Tetrachloro-m-xylene	52.5	P	29 - 98.0
EPA 8270E	Tetrachloro-m-xylene	41.7	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	82.3	P	30 - 97.0
EPA 8276	PCNB	74.5	P	45 - 119

Lab Sample ID: 2310690
Field Sample ID: G5SE0043

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	47.7	P	20 - 200

Quality Assurance Report
Surrogates

Lab Sample ID: 2310690
Field Sample ID: G5SE0043

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Simazine-d10	89.8	P	71 - 140
EPA 8270E	Terbufos-d10	81.3	P	62 - 131
EPA 8270E	Terphenyl-d14	90.2	P	55 - 108

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A110893
Included Lab Sample IDs: 2310686, 2310688

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	102	100	P/P	50 - 150
2,4,5-T	90.7	91.5	P/P	50 - 150
Acetaminophen	112	121	P/P	60 - 160
Acetamiprid	125	119	P/P	50 - 150
Afidopyropen	116	96.0	P/P	50 - 150
Bentazon	98.2	105	P/P	50 - 160
Benzovindiflupyr	83.3	123	P/P	50 - 150
Carbamazepine	109	115	P/P	60 - 150
Clothianidin	139	112	P/P	60 - 150
Dinotefuran	104	112	P/P	50 - 150
Diuron	130	129	P/P	60 - 160
Fenuron	93.1	98.5	P/P	60 - 150
Fluridone	122	127	P/P	60 - 160
Hydrocodone	108	110	P/P	60 - 150
Ibuprofen	89.6	104	P/P	50 - 160
Imazapyr	114	107	P/P	50 - 150
Imidacloprid	89.2	106	P/P	60 - 150
Linuron	99.7	95.5	P/P	60 - 150
Mandestrobin	110	113	P/P	50 - 150
MCPP	98.1	90.1	P/P	50 - 150
Naproxen	101	93.7	P/P	50 - 160
Primidone	106	104	P/P	60 - 150
Pyraclostrobin	102	106	P/P	60 - 150
Silvex	87.7	95.3	P/P	50 - 150
Thiamethoxam	105	98.5	P/P	50 - 150
Tolfenpyrad	123	116	P/P	60 - 150
Triclopyr	79.9	68.1	P/P	50 - 150

Reference Method: EPA 8321B
Run ID: A110902
Included Lab Sample IDs: 2310686, 2310688

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	91.8	92.2	P/P	60 - 160
AMPA	98.3	98.3	P/P	60 - 160
Glufosinate	83.0	85.4	P/P	60 - 160
Glufosinate	89.3	85.6	P/P	60 - 160
Glyphosate	88.5	86.0	P/P	60 - 160
Glyphosate	90.9	85.7	P/P	60 - 160

Reference Method: EPA 8276
Run ID: A110909
Included Lab Sample IDs: 2310689

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	97.6		P	80 - 120
Toxaphene	102		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A110938
Included Lab Sample IDs: 2310686, 2310688

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	97.9	102	P/P	60 - 160
Endothall	113	80.2	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A110950
Included Lab Sample IDs: 2310689

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	96.4		P	80 - 120
Alpha-BHC	99.4		P	80 - 120
Alpha-Chlordane	94.0		P	80 - 120
Beta-BHC	105		P	80 - 120
Beta-Cyfluthrin	98.8		P	80 - 120
Bifenthrin	98.1		P	80 - 120
Chlorothalonil	81.7		P	80 - 120
Cis-Nonachlor	93.0		P	80 - 120
Cypermethrin	93.8		P	80 - 120
Dacthal	100		P	80 - 120
DDD-p,p'	94.2		P	80 - 120
DDE-p,p'	101		P	80 - 120
DDT-p,p'	101		P	80 - 120
Delta-BHC	104		P	80 - 120
Deltamethrin	107		P	80 - 120
Dichlobenil	95.4		P	80 - 120
Dicofol	107		P	80 - 120
Dieldrin	97.7		P	80 - 120
Endosulfan I	101		P	80 - 120
Endosulfan II	94.6		P	80 - 120
Endosulfan Sulfate	94.2		P	80 - 120
Endrin	96.4		P	80 - 120
Endrin Aldehyde	89.8		P	80 - 120
Endrin Ketone	98.5		P	80 - 120
Esfenvalerate	96.7		P	80 - 120
Ethalfluralin	99.9		P	80 - 120
Fenpropathrin	95.9		P	80 - 120
Gamma-BHC	98.4		P	80 - 120
Gamma-Chlordane	99.3		P	80 - 120
Heptachlor	98.6		P	80 - 120
Heptachlor Epoxide	107		P	80 - 120
Hexachlorobenzene	95.4		P	80 - 120
Kepone	37.5*		F	80 - 120
Lambda-Cyhalothrin	97.3		P	80 - 120
Methoprene	97.3		P	80 - 120
Methoxychlor	104		P	80 - 120
MGK-264	96.6		P	80 - 120
Mirex	94.4		P	80 - 120
Oxychlordane	95.5		P	80 - 120
Permethrin	98.8		P	80 - 120
Phenothrin	98.2		P	80 - 120
Piperonyl Butoxide	93.4		P	80 - 120
Prallethrin	101		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A110950
Included Lab Sample IDs: 2310689

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tau-Fluvalinate	94.1		P	80 - 120
Tetramethrin	94.8		P	80 - 120
Trans-Nonachlor	97.7		P	80 - 120
Triclosan Methyl	99.2		P	80 - 120
Trifluralin	97.5		P	80 - 120

Reference Method: EPA 8321B
Run ID: A110962
Included Lab Sample IDs: 2310686, 2310688

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	86.3	89.1	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A110995
Included Lab Sample IDs: 2310690

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	102		P	80 - 120
Alachlor	100		P	80 - 120
Ametryn	102		P	80 - 120
Atrazine	99.1		P	80 - 120
Atrazine Desethyl	91.2		P	80 - 120
Azinphos Methyl	86.8		P	80 - 120
Azoxystrobin	107		P	80 - 120
Bromacil	98.9		P	80 - 120
Butylate	103		P	80 - 120
Caffeine	95.8		P	80 - 120
Carbophenothion	98.7		P	80 - 120
Carfentrazone Ethyl	97.7		P	80 - 120
Chlorfenapyr	98.1		P	80 - 120
Chlorpyrifos Ethyl	109		P	80 - 120
Chlorpyrifos Methyl	96.4		P	80 - 120
Coumaphos	81.2		P	80 - 120
Cyanazine	86.2		P	80 - 120
Cyprodinil	99.8		P	80 - 120
Demeton	91.6		P	80 - 120
Diazinon	91.0		P	80 - 120
Difenoconazole	90.0		P	80 - 120
Dimethenamid	101		P	80 - 120
Dimethomorph	99.1		P	80 - 120
Disulfoton	91.5		P	80 - 120
Dithiopyr	98.0		P	80 - 120
EPTC	105		P	80 - 120
Ethion	102		P	80 - 120
Ethoprop	97.2		P	80 - 120
Etridiazole	101		P	80 - 120
Fenamiphos	100		P	80 - 120
Fenbuconazole	108		P	80 - 120
Fipronil	102		P	80 - 120
Fipronil Desulfinyl	94.6		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A110995
Included Lab Sample IDs: 2310690

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fipronil Sulfide	93.4		P	80 - 120
Fipronil Sulfone	96.4		P	80 - 120
Fluazifop-P-butyl	97.4		P	80 - 120
Fludioxonil	103		P	80 - 120
Flumioxazin	105		P	80 - 120
Flutolanil	104		P	80 - 120
Fluxapyroxad	93.5		P	80 - 120
Fonofos	92.2		P	80 - 120
Hexazinone	103		P	80 - 120
Imazalil	100		P	80 - 120
Iprodione	101		P	80 - 120
Loratadine	103		P	80 - 120
Malathion	98.6		P	80 - 120
Metalaxyl	102		P	80 - 120
Metolachlor	102		P	80 - 120
Metribuzin	104		P	80 - 120
Mevinphos	99.0		P	80 - 120
Molinate	99.5		P	80 - 120
Myclobutanil	105		P	80 - 120
Naled	107		P	80 - 120
Napropamide	99.9		P	80 - 120
Norflurazon	96.0		P	80 - 120
Oxadiazon	106		P	80 - 120
Oxyfluorfen	89.4		P	80 - 120
Parathion Ethyl	103		P	80 - 120
Parathion Methyl	96.5		P	80 - 120
Pendimethalin	106		P	80 - 120
Phenytoin	91.3		P	80 - 120
Phorate	98.3		P	80 - 120
Prodiamine	92.9		P	80 - 120
Prometon	97.1		P	80 - 120
Prometryn	101		P	80 - 120
Pronamide	97.2		P	80 - 120
Propanil	103		P	80 - 120
Propargite	98.0		P	80 - 120
Propiconazole	103		P	80 - 120
Pyraflufen Ethyl	93.3		P	80 - 120
Pyridaben	93.8		P	80 - 120
Pyriproxyfen	103		P	80 - 120
Simazine	103		P	80 - 120
Stirophos	103		P	80 - 120
Sulfentrazone	99.8		P	80 - 120
Tebuconazole	94.4		P	80 - 120
Terbufos	96.0		P	80 - 120
Terbuthylazine	94.6		P	80 - 120
Thiobencarb	106		P	80 - 120
Triadimefon	98.8		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A111017
Included Lab Sample IDs: 2310689

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	113		P	80 - 120
PCB-1260	115		P	80 - 120

Reference Method: EPA 8321B
Run ID: A111022
Included Lab Sample IDs: 2310687

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	100	110	P/P	60 - 150
Aldicarb	122	104	P/P	60 - 150
Aldicarb Sulfone	101	105	P/P	50 - 150
Aldicarb Sulfoxide	108	101	P/P	50 - 150
Carbaryl	110	111	P/P	60 - 150
Carbofuran	109	107	P/P	50 - 150
Methiocarb	98.4	105	P/P	50 - 150
Methomyl	93.8	106	P/P	50 - 150
Oxamyl	101	101	P/P	50 - 150
Propoxur	109	122	P/P	50 - 150

Reference Method: EPA 8270E
Run ID: A111047
Included Lab Sample IDs: 2310690

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Avobenzone	99.8		P	80 - 120
Octinoxate	100		P	80 - 120
Oxybenzone	107		P	80 - 120

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Acetochlor	88.9	84.8	89.6			5.42
	Alachlor	78.9	76.6	69.0			10.5
	Aldrin	54.3	57.0	58.8			3.19
	Alpha-BHC	95.7	89.8	92.5			2.91
	Alpha-Chlordane	69.4	64.9	60.1			7.70
	Ametryn	82.0	98.3	113			14.2
	Atrazine	78.7	85.0	84.2			0.529
	Atrazine Desethyl	52.1	32.0	34.8			8.39
	Avobenzone	150	141	132			6.03
	Azinphos Methyl	90.8	88.2	96.3			8.77
	Azoxystrobin	105	108	112			3.09
	Beta-BHC	113	114	114			0.498
	Beta-Cyfluthrin	68.6	61.0	46.8			26.4
	Bifenthrin	51.3	49.1	32.6			40.3
	Bromacil	63.9					14.6
	Butylate	47.5	50.6	73.1			36.4
	Caffeine	86.8	188	192			2.32
	Carbophenothion	79.8	61.8	65.4			5.54
	Carfentrazone Ethyl	76.8	66.1	68.9			4.13
	Chlorfenapyr	79.3	65.1	63.5			2.49
	Chlorothalonil	188	307	299			2.54
	Chlorpyrifos Ethyl	81.7	63.1	66.6			5.31
	Chlorpyrifos Methyl	77.4	67.3	73.9			9.25
	Cis-Nonachlor	65.8	69.7	64.3			8.06
	Coumaphos	73.3	53.8	67.5			22.7
	Cyanazine	96.2	83.1	80.1			3.75
	Cypermethrin	71.3	56.0	43.8			24.5
	Cyprodinil	78.9	71.2	65.4			8.57
	Dacthal	91.1	82.7	84.0			1.56
	DDD-p,p'	67.9	60.6	56.1			7.71
	DDE-p,p'	68.3	70.5	66.8			5.43
	DDT-p,p'	73.1	70.2	67.2			4.32
	Delta-BHC	119	116	125			6.88
	Deltamethrin	45.5	8.41	7.02			18.1
	Demeton	72.6	81.5	85.2			4.47
	Diazinon	83.3	81.7	84.9			3.76
	Dichlobenil	86.4	71.5	79.5			10.5
	Dicofol	82.7	53.3	48.1			10.3
	Dieldrin	72.1	66.7	65.6			1.70
	Difenoconazole	72.5	84.5	85.7			1.42
	Dimethenamid	66.4	64.7	72.9			11.9
	Dimethomorph	142	174	179			2.40
	Disulfoton	76.7	72.1	84.8			16.2
	Dithiopyr	69.2	68.3	70.8			3.60
	Endosulfan I	78.7	79.8	86.5			8.03
	Endosulfan II	77.3	102	101			0.0858
	Endosulfan Sulfate	81.1	83.0	78.9			5.03
	Endrin	73.8	75.9	74.1			2.45
	Endrin Aldehyde	54.3	73.9	65.1			12.5
	Endrin Ketone	101	102	93.2			9.02
	EPTC	42.4	42.8	52.2			19.8
	Esfenvalerate	64.8	57.0	42.4			29.4
	Ethalfluralin	71.0	72.3	70.6			2.42
	Ethion	65.2	39.7	51.1			25.1

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Ethoprop	74.2	79.6	84.6			6.11
	Etridiazole	56.1	61.1	66.6			8.60
	Fenamiphos	69.2	54.9	49.4			10.6
	Fenbuconazole	101	103	112			8.11
	Fenpropathrin	70.1	50.7	41.3			20.6
	Fipronil	81.7	82.9	77.2			7.05
	Fipronil Desulfinyl	77.8	71.7	68.5			4.19
	Fipronil Sulfide	65.1	52.7	47.6			10.2
	Fipronil Sulfone	61.1	46.5	47.5			1.67
	Fluazifop-P-butyl	73.9	54.4	63.6			15.6
	Fludioxonil	71.9	66.7	66.9			0.232
	Flumioxazin	111	139	151			8.36
	Flutolanil	63.9	59.6	51.4			12.8
	Fluxapyroxad	63.2	58.3	62.4			6.24
	Fonofos	72.1	61.2	79.4			25.9
	Gamma-BHC	99.6	75.3	78.6			4.29
	Gamma-Chlordane	66.8	60.5	55.6			8.44
	Heptachlor	66.5	77.6	77.7			0.185
	Heptachlor Epoxide	87.0	87.5	86.3			1.35
	Hexachlorobenzene	69.8	50.9	50.5			0.893
	Hexazinone	82.0	86.4	94.0			8.39
	Imazalil	73.3	102	95.9			6.59
	Iprodione	69.4	58.8	64.7			9.51
	Kepone	105	131	125			4.84
	Lambda-Cyhalothrin	66.1	58.9	43.8			29.4
	Loratadine	143	176	146			17.3
	Malathion	84.2	72.7	71.8			1.36
	Metalaxyl	75.3	76.4	66.4			14.1
	Methoprene	53.2	55.0	36.8			39.8
	Methoxychlor	97.3	64.7	67.1			3.54
	Metolachlor	85.7	78.2	70.9			6.75
	Metribuzin	20.4	55.8	58.5			4.58
	Mevinphos	57.9	59.6	64.6			7.96
	MGK-264	85.1	73.4	75.3			2.56
	Mirex	50.1	46.9	41.5			12.3
	Molinate	59.7	62.2	64.3			3.38
	Myclobutanil	75.0	65.5	66.2			1.07
	Naled	56.9	57.1	67.7			17.0
	Napropamide	60.6	51.4	48.1			6.67
	Norflurazon	67.0	68.7	32.7			29.5
	Octinoxate	95.4	78.1	65.9			17.0
	Oxadiazon	68.3	57.4	51.5			6.67
	Oxybenzone	104	95.7	92.8			3.09
	Oxychlordane	69.7	70.8	63.4			11.0
	Oxyfluorfen	84.1	81.8	77.7			5.22
	Parathion Ethyl	86.0	86.9	91.0			4.57
	Parathion Methyl	76.4	94.8	104			9.71
	PCB-1016	81.1	69.1	83.5			18.9
	PCB-1260	98.6	81.0	93.3			14.2
	Pendimethalin	106	124	128			3.04
	Permethrin	70.9	54.9	43.9			22.3
	Phenothrin	51.5	44.5	30.8			36.5
	Phenytoin	17.9	28.4	29.7			4.26
	Phorate	71.2	70.3	74.7			6.06

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Piperonyl Butoxide	123	94.6	79.5			17.3
	Prallethrin	68.9	64.5	56.9			12.6
	Prodiamine	103	42.3	40.7			4.00
	Prometon	72.6	66.0	71.4			7.89
	Prometryn	74.8	66.1	55.9			16.7
	Pronamide	83.1	87.8	88.0			0.236
	Propanil	78.1	70.2	73.0			4.01
	Propargite	61.4	47.4	44.0			7.28
	Propiconazole	65.3	70.5	50.4			33.3
	Pyraflufen Ethyl	66.0	62.7	51.4			19.8
	Pyridaben	75.8	56.4	68.9			19.9
	Pyriproxyfen	71.7	67.7	67.4			0.345
	Simazine	79.3	72.7	68.3			6.11
	Stirophos	67.1	48.2	46.7			3.25
	Sulfentrazone	39.5					3.44
	Tau-Fluvalinate	48.3	44.3	27.2			48.0
	Tebuconazole	48.3	43.6	39.4			10.2
	Terbufos	94.5	86.7	90.3			4.04
	Terbuthylazine	75.5	71.2	77.3			8.17
	Tetramethrin	95.8	70.2	61.3			13.6
	Thiobencarb	79.4	78.4	70.3			10.9
	Trans-Nonachlor	70.2	60.1	62.3			3.65
	Triadimefon	81.0	67.9	66.7			1.74
	Triclosan Methyl	80.3	73.7	76.9			4.27
	Trifluralin	70.8	68.2	65.5			3.94
EPA 8276	Chlordane	99.8	76.1	80.8			5.92
	Toxaphene	103	88.1	93.8			6.21
EPA 8321B	2,4-D	77.0	120	112			7.09
	2,4,5-T	45.7	62.1	67.1			7.80
	3-Hydroxycarbofuran	98.8	107	111			3.31
	Acesulfame K	96.9	105	109			3.53
	Acetaminophen	95.9	58.3	63.0			7.76
	Acetamiprid	75.3	133	101			27.3
	Afidopyropen	47.8	87.7	73.9			17.0
	Aldicarb	94.1	98.6	95.8			2.90
	Aldicarb Sulfone	96.8	116	130			11.2
	Aldicarb Sulfoxide	102	63.2	56.9			10.5
	AMPA	87.3	112	116			3.84
	Bentazon	84.3	33.4	61.5			24.1
	Benzovindiflupyr	94.8	98.4	98.7			0.266
	Carbamazepine	106	99.8	105			5.14
	Carbaryl	83.6	81.5	82.2			0.946
	Carbofuran	99.7	83.3	74.5			11.3
	Clothianidin	113	99.2	124			22.1
	Dinotefuran	95.5	133	169			15.3
	Diuron	103	66.6	88.9			28.7
	Endothall	96.5	69.4	69.9			0.702
	Fenuron	111	104	121			15.6
	Fluridone	112	105	106			0.605
	Glufosinate	87.5	89.6	92.6			3.22
	Glyphosate	87.1	87.4	89.3			2.21
	Hydrocodone	97.5	111	106			5.13
	Ibuprofen	74.2	45.3	47.9			5.40
	Imazapyr	74.0	150	129			9.18

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8321B	Imidacloprid	83.9	182	174			4.33
	Linuron	123	80.4	76.9			4.46
	Mandestrobin	82.8	104	97.4			6.64
	MCPP	78.1	95.7	92.9			2.93
	Methiocarb	92.8	83.2	78.8			5.31
	Methomyl	93.4	95.5	101			5.21
	Naproxen	70.7	60.4	53.0			13.0
	Oxamyl	103	109	105			4.03
	Primidone	64.0	131	105			22.0
	Propoxur	97.4	96.2	95.6			0.604
	Pyraclostrobin	84.5	96.9	107			9.46
	Silvex	61.5	68.9	57.2			18.6
	Sucralose	63.4	68.9	92.6			29.4
	Thiamethoxam	93.8	136	143			4.58
	Tolfenpyrad	39.2	48.9	53.1			8.24
	Triclopyr	49.9	60.6	50.1			19.0

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds in Water by GC/MS-SIM	2310690
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2310689
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2310690
EPA 8270E	PCBs in water matrices by GC/MS/MS	2310689
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2310689
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2310687
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2310686, 2310688
EPA 8321B	Water soluble organic compounds by HPLC/MS/MS	2310686, 2310688

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	03/08/2022	03/09/2022 08:00	Fe-Val Siddell	03/12/2022 20:02	Michael Poppell	2310690
	03/08/2022	03/09/2022 08:00	Fe-Val Siddell	03/18/2022 01:37	Lipi Saha	2310690
	03/08/2022	03/10/2022 08:00	Fe-Val Siddell	03/15/2022 20:52	Vandana T. Nagar	2310689
	03/08/2022	03/10/2022 08:00	Fe-Val Siddell	03/18/2022 03:31	Julie Wi	2310689
EPA 8276	03/08/2022	03/10/2022 08:00	Fe-Val Siddell	03/12/2022 14:05	Arthur Maknenko	2310689
EPA 8321B	03/08/2022	03/09/2022 10:00	Manjita Shrestha	03/09/2022 12:02	Manjita Shrestha	2310688
	03/08/2022	03/09/2022 10:00	Manjita Shrestha	03/09/2022 16:41	Manjita Shrestha	2310686
	03/08/2022	03/09/2022 10:00	Manjita Shrestha	03/09/2022 22:53	Manjita Shrestha	2310686
	03/08/2022	03/09/2022 10:00	Manjita Shrestha	03/09/2022 23:08	Manjita Shrestha	2310688
	03/08/2022	03/09/2022 10:00	Manjita Shrestha	03/15/2022 18:10	Manjita Shrestha	2310686
	03/08/2022	03/09/2022 10:00	Manjita Shrestha	03/15/2022 18:25	Manjita Shrestha	2310688
	03/08/2022	03/09/2022 11:00	June Rhew	03/11/2022 04:12	Juyoung Kim	2310686
	03/08/2022	03/09/2022 11:00	June Rhew	03/11/2022 04:47	Juyoung Kim	2310688
	03/08/2022	03/14/2022 08:20	June Rhew	03/15/2022 13:34	Juyoung Kim	2310687