Chemical Analysis Report

SE-DIST-2021-07-30-01

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

Event Description: **SMP - Palm Beach West Closeout**
Request ID: **RQ-2021-07-26-76**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
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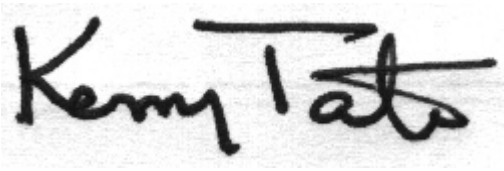
Date Certified: 16-AUG-2021 13:17



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: West Palm Beach Canal @ Twenty-mile Bend **Collection Date/Time: 07/29/2021 11:15**

Field ID: G5SE0058 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2266147	EPA 8321B	Aldicarb	0.020	U	ug/L	P401862	
		Aldicarb Sulfone	0.0020	U	ug/L	P401862	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P401862	MS
		Carbaryl	0.0020	U	ug/L	P401862	
		Carbofuran	0.0020	U	ug/L	P401862	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P401862	
		Methiocarb	0.0020	U	ug/L	P401862	
		Methomyl	0.0020	U	ug/L	P401862	
		Oxamyl	0.0020	U	ug/L	P401862	
		Propoxur	0.0020	U	ug/L	P401862	
2266148		2,4-D	0.65		ug/L	P401918	
		Acesulfame K	0.10	U	ug/L	P401726	
		2,4,5-T	0.0040	U	ug/L	P401918	
		AMPA	0.48		ug/L	P401726	
		Acetaminophen	0.0080	U	ug/L	P401918	
		Acetamiprid	0.0020	U	ug/L	P401918	
		Endothall	0.25	U	ug/L	P401726	
		Glufosinate	0.10	U	ug/L	P401726	
		Glyphosate	1.9		ug/L	P401726	
		Afidopyropen	0.0020	U	ug/L	P401918	
		Bentazon	0.14		ug/L	P401918	
		Sucralose	0.044		ug/L	P401726	
		Benzovindiflupyr	0.0020	U	ug/L	P401918	
		Carbamazepine	8.0E-04	U	ug/L	P401918	
		Clothianidin	0.0020	U	ug/L	P401918	
		Dinotefuran	0.0020	U	ug/L	P401918	
		Diuron	0.0020	U	ug/L	P401918	
		Fenuron	0.016	U	ug/L	P401918	
		Fluridone	9.8E-04	I	ug/L	P401918	
		Imazapyr	0.067		ug/L	P401918	
		Hydrocodone	0.0020	U	ug/L	P401918	
		Ibuprofen	0.020	U	ug/L	P401918	
		Imidacloprid	0.31		ug/L	P401918	
		Linuron	0.0040	U	ug/L	P401918	
		Mandestrobin	0.0020	U	ug/L	P401918	
		MCPP	0.0020	U	ug/L	P401918	
		Naproxen	0.0080	U	ug/L	P401918	
		Primidone	0.0040	U	ug/L	P401918	
		Pyraclostrobin	0.033		ug/L	P401918	
		Thiamethoxam	0.0020	U	ug/L	P401918	
		Tolfenpyrad	0.0020	U	ug/L	P401918	MS
		Triclopyr	0.0040	U	ug/L	P401918	
2266149	EPA 8270E	Aldrin	0.71	UJ	ng/L	P402013	SUR
		Alpha-BHC	0.11	UJ	ng/L	P402013	SUR

Field ID: G5SE0058 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2266149	EPA 8270E	Alpha-Chlordane	0.22	UJ	ng/L	P402013	SUR
		Beta-BHC	0.11	UJ	ng/L	P402013	SUR
		Beta-Cyfluthrin**	1.4	UJ	ng/L	P402013	SUR
		Bifenthrin**	0.55	UJ	ng/L	P402013	SUR
		Chlorothalonil	0.55	UJ	ng/L	P402013	SUR
		Cis-Nonachlor**	0.22	UJ	ng/L	P402013	SUR
		Cypermethrin	1.6	UJ	ng/L	P402013	SUR
		Dacthal**	0.16	UJ	ng/L	P402013	SUR
		DDD-p,p'	0.27	UJ	ng/L	P402013	SUR
		DDE-p,p'	0.38	I J	ng/L	P402013	SUR
		DDT-p,p'	0.27	UJ	ng/L	P402013	SUR
		Delta-BHC	0.44	UJ	ng/L	P402013	SUR
		Deltamethrin**	1.4	UJ	ng/L	P402013	SUR
		Dichlobenil**	0.11	UJ	ng/L	P402013	SUR
		Dicofol	1.4	UJ	ng/L	P402013	SUR
		Dieldrin	0.44	UJ	ng/L	P402013	SUR
		Endosulfan I	0.44	UJ	ng/L	P402013	SUR
		Endosulfan II	0.44	UJ	ng/L	P402013	SUR
		Endosulfan Sulfate	0.33	UJ	ng/L	P402013	SUR
		Endrin	0.44	UJ	ng/L	P402013	SUR
		Endrin Aldehyde	0.82	UJ	ng/L	P402013	SUR
		Endrin Ketone	0.44	UJ	ng/L	P402013	SUR
		Esfenvalerate**	0.82	UJ	ng/L	P402013	SUR
		Ethalfluralin**	0.16	UJ	ng/L	P402013	SUR
		Fenpropathrin**	0.27	UJ	ng/L	P402013	SUR
		Gamma-BHC	0.14	UJ	ng/L	P402013	SUR
		Gamma-Chlordane	0.24	I J	ng/L	P402013	SUR
		Heptachlor	0.22	UJ	ng/L	P402013	SUR
		Heptachlor Epoxide	0.27	UJ	ng/L	P402013	SUR
		Hexachlorobenzene	1.1	UJ	ng/L	P402013	SUR
		Kepone**	5.5	UJ	ng/L	P402013	SUR
		Lambda-Cyhalothrin**	0.82	UJ	ng/L	P402013	SUR
		Methoxychlor	0.33	UJ	ng/L	P402013	SUR
		MGK-264**	0.22	UJ	ng/L	P402013	SUR
		Mirex	0.77	UJ	ng/L	P402013	SUR
		Permethrin	1.8	UJ	ng/L	P402013	SUR
		Phenothrin**	2.0	I J	ng/L	P402013	SUR
		Piperonyl Butoxide**	0.50	I J	ng/L	P402013	SUR
		Prallethrin**	2.2	UJ	ng/L	P402013	SUR
		Tau-Fluvalinate**	0.27	UJ	ng/L	P402013	SUR
		Tetramethrin**	0.82	UJ	ng/L	P402013	SUR
		Trans-Nonachlor**	0.22	UJ	ng/L	P402013	SUR
		Triclosan Methyl**	0.16	UJ	ng/L	P402013	SUR
		Trifluralin	0.22	UJ	ng/L	P402013	SUR
	EPA 8276	Chlordane	5.5	UJ	ng/L	P402013	SUR

Field ID: G5SE0058 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2266149	EPA 8276	Toxaphene	33	UJ	ng/L	P402013	SUR
2266150	EPA 8270E	Acetochlor	0.25	U	ng/L	P401725	
		Alachlor	0.25	U	ng/L	P401725	
		Ametryn	53		ng/L	P401725	
		Atrazine	160		ng/L	P401725	
		Atrazine Desethyl	16		ng/L	P401725	
		Azinphos Methyl	2.0	U	ng/L	P401725	
		Azoxystrobin**	290		ng/L	P401725	
		Bromacil	0.50	U	ng/L	P401725	
		Butylate	0.40	U	ng/L	P401725	
		Caffeine**	7.5	U	ng/L	P401725	
		Carbophenothion	0.50	U	ng/L	P401725	
		Carfentrazone Ethyl**	0.10	U	ng/L	P401725	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P401725	
		Chlorpyrifos Methyl	0.050	U	ng/L	P401725	
		Cyanazine	3.2	U	ng/L	P401725	
		Demeton	1.5	U	ng/L	P401725	
		Diazinon	0.12	U	ng/L	P401725	
		Difenoconazole**	0.60	U	ng/L	P401725	
		Dimethenamid**	0.10	U	ng/L	P401725	
		Disulfoton	0.50	U	ng/L	P401725	
		Dithiopyr**	0.18	U	ng/L	P401725	
		EPTC	1.2	U	ng/L	P401725	
		Ethion	0.15	U	ng/L	P401725	
		Ethoprop	0.10	U	ng/L	P401725	
		Fenamiphos	0.50	U	ng/L	P401725	
		Fenbuconazole**	0.12	U	ng/L	P401725	
		Fipronil	0.25	U	ng/L	P401725	
		Fipronil Desulfinyl**	0.12	U	ng/L	P401725	
		Fipronil Sulfide	0.15	U	ng/L	P401725	
		Fipronil Sulfone	0.15	U	ng/L	P401725	
		Fluazifop-P-butyl**	0.10	U	ng/L	P401725	
		Fludioxonil**	0.12	U	ng/L	P401725	
		Flumioxazin**	1.8	U	ng/L	P401725	
		Flutolanil**	0.10	U	ng/L	P401725	
		Fluxapyroxad**	100		ng/L	P401725	
		Fonofos	0.20	U	ng/L	P401725	
		Hexazinone	9.3		ng/L	P401725	
		Imazalil**	0.75	U	ng/L	P401725	
		Iprodione**	0.60	UJ	ng/L	P401725	LCS
		Malathion	0.35	U	ng/L	P401725	
		Metalaxyl	0.75	U	ng/L	P401725	
		Metolachlor	110		ng/L	P401725	
		Metribuzin	21		ng/L	P401725	
		Mevinphos	1.0	U	ng/L	P401725	

Field ID: G5SE0058 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2266150	EPA 8270E	Molinate	0.30	U	ng/L	P401725	
		Myclobutanil**	0.25	U	ng/L	P401725	
		Naled**	1.5	UJ	ng/L	P401725	LCS
		Norflurazon	0.50	U	ng/L	P401725	
		Oxadiazon	0.64	I	ng/L	P401725	
		Oxyfluorfen**	0.15	U	ng/L	P401725	
		Parathion Ethyl	0.25	U	ng/L	P401725	
		Parathion Methyl	0.55	U	ng/L	P401725	
		Pendimethalin	1.0	U	ng/L	P401725	
		Phorate	0.52	U	ng/L	P401725	
		Prodiamine**	0.18	U	ng/L	P401725	
		Prometon	0.90	U	ng/L	P401725	
		Prometryn	0.89		ng/L	P401725	
		Pronamide**	0.15	U	ng/L	P401725	
		Propiconazole**	180		ng/L	P401725	
		Pyriproxyfen**	0.12	U	ng/L	P401725	
		Simazine	0.50	U	ng/L	P401725	
		Sulfentrazone**	0.50	U	ng/L	P401725	
		Tebuconazole**	8.1		ng/L	P401725	
		Terbufos	0.10	U	ng/L	P401725	
		Terbuthylazine	0.42	U	ng/L	P401725	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8276: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for several parameters 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.

Sample Location: FB **Collection Date/Time: 07/29/2021 11:30**

Field ID: FB_07292021 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2266154	EPA 8276	Chlordane	6.1	U	ng/L	P402013	
		Toxaphene	37	U	ng/L	P402013	
2266165	EPA 8270E	Acetochlor	0.28	U	ng/L	P401725	
		Alachlor	0.28	U	ng/L	P401725	
		Ametryn	0.68	U	ng/L	P401725	
		Atrazine	0.28	U	ng/L	P401725	
		Atrazine Desethyl	1.7	U	ng/L	P401725	
		Azinphos Methyl	2.3	U	ng/L	P401725	
		Azoxystrobin**	0.57	U	ng/L	P401725	
		Bromacil	0.57	U	ng/L	P401725	
		Butylate	0.46	U	ng/L	P401725	
		Caffeine**	8.5	U	ng/L	P401725	
		Carbophenothion	0.57	U	ng/L	P401725	
		Carfentrazone Ethyl**	0.11	U	ng/L	P401725	
		Chlorpyrifos Ethyl	0.28	U	ng/L	P401725	
		Chlorpyrifos Methyl	0.057	U	ng/L	P401725	
		Cyanazine	3.7	U	ng/L	P401725	
		Demeton	1.7	U	ng/L	P401725	
		Diazinon	0.14	U	ng/L	P401725	
		Difenoconazole**	0.68	U	ng/L	P401725	
		Dimethenamid**	0.11	U	ng/L	P401725	
		Disulfoton	0.57	U	ng/L	P401725	
		Dithiopyr**	0.20	U	ng/L	P401725	
		EPTC	1.4	U	ng/L	P401725	
		Ethion	0.17	U	ng/L	P401725	
		Ethoprop	0.11	U	ng/L	P401725	
		Fenamiphos	0.57	U	ng/L	P401725	
		Fenbuconazole**	0.14	U	ng/L	P401725	
		Fipronil	0.28	U	ng/L	P401725	
		Fipronil Desulfinyl**	0.14	U	ng/L	P401725	
		Fipronil Sulfide	0.17	U	ng/L	P401725	
		Fipronil Sulfone	0.17	U	ng/L	P401725	
		Fluazifop-P-butyl**	0.11	U	ng/L	P401725	
		Fludioxonil**	0.14	U	ng/L	P401725	
		Flumioxazin**	2.0	U	ng/L	P401725	
		Flutolanil**	0.11	U	ng/L	P401725	
		Fluxapyroxad**	0.11	U	ng/L	P401725	
		Fonofos	0.23	U	ng/L	P401725	
		Hexazinone	0.57	U	ng/L	P401725	
		Imazalil**	0.85	U	ng/L	P401725	
		Iprodione**	0.68	UJ	ng/L	P401725	LCS
		Malathion	0.40	U	ng/L	P401725	
		Metalaxyl	0.85	U	ng/L	P401725	
		Metolachlor	0.40	U	ng/L	P401725	

Field ID: FB_07292021 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2266165	EPA 8270E	Metribuzin	3.7	U	ng/L	P401725	
		Mevinphos	1.2	U	ng/L	P401725	
		Molinate	0.34	U	ng/L	P401725	
		Myclobutanil**	0.28	U	ng/L	P401725	
		Naled**	1.7	UJ	ng/L	P401725	LCS
		Norflurazon	0.57	U	ng/L	P401725	
		Oxadiazon	0.34	U	ng/L	P401725	
		Oxyfluorfen**	0.17	U	ng/L	P401725	
		Parathion Ethyl	0.28	U	ng/L	P401725	
		Parathion Methyl	0.63	U	ng/L	P401725	
		Pendimethalin	1.1	U	ng/L	P401725	
		Phorate	0.60	U	ng/L	P401725	
		Prodiamine**	0.20	U	ng/L	P401725	
		Prometon	1.0	U	ng/L	P401725	
		Prometryn	0.23	U	ng/L	P401725	
		Pronamide**	0.17	U	ng/L	P401725	
		Propiconazole**	0.57	U	ng/L	P401725	
		Pyriproxyfen**	0.14	U	ng/L	P401725	
		Simazine	0.57	U	ng/L	P401725	
		Sulfentrazone**	0.57	U	ng/L	P401725	
		Tebuconazole**	0.57	U	ng/L	P401725	
		Terbufos	0.11	U	ng/L	P401725	
		Terbuthylazine	0.48	U	ng/L	P401725	
2266171	EPA 8321B	Aldicarb	0.020	U	ug/L	P401862	
		Aldicarb Sulfone	0.0020	U	ug/L	P401862	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P401862	MS
		Carbaryl	0.0020	U	ug/L	P401862	
		Carbofuran	0.0020	U	ug/L	P401862	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P401862	
		Methiocarb	0.0020	U	ug/L	P401862	
		Methomyl	0.0020	U	ug/L	P401862	
		Oxamyl	0.0020	U	ug/L	P401862	
		Propoxur	0.0020	U	ug/L	P401862	

Ref. Method and Comment:
EPA 8270E: MS accuracy for several parameters 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: P401725

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
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	18	I	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	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
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	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
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.18	U	ng/L
Dithiopyr	0.18	U	ng/L
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
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P401725

Component	Result	Code	Units
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
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	3.2	U	ng/L
Metribuzin	3.2	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
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxadiazon	0.30	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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P401725

Component	Result	Code	Units
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	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
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	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
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L
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

Reference Method: EPA 8270E
Batch ID: P402013

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	0.50	U	ng/L
Chlorothalonil	0.50	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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P402013

Component	Result	Code	Units
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	0.10	U	ng/L
Dichlobenil	0.10	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	0.40	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
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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P402013

Component	Result	Code	Units
Mirex	0.70	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: P402013

Component	Result	Code	Units
Chlordane	5.0	U	ng/L
Chlordane	5.0	U	ng/L
Toxaphene	30	U	ng/L
Toxaphene	30	U	ng/L

Reference Method: EPA 8321B
Batch ID: P401726

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: P401862

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P401862

Component	Result	Code	Units
Oxamyl	0.0020	U	ug/L
Propoxur	0.0020	U	ug/L

Reference Method: EPA 8321B
Batch ID: P401918

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	0.016	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	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P401725

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	110	114	P/P	70 - 121
Alachlor	107	105	P/P	70 - 119
Ametryn	106	120	P/P	61 - 135
Atrazine	106	103	P/P	76 - 123
Atrazine Desethyl	73.2	63.8	P/P	35 - 140
Azinphos Methyl	143	137	P/P	57 - 163
Azoxystrobin	93.6	106	P/P	43 - 231
Bromacil	116	119	P/P	42 - 123
Butylate	43.1	40.0	P/P	34 - 92.0
Caffeine	120	91.3	P/P	70 - 130
Carbophenothion	104	113	P/P	61 - 121
Carfentrazone Ethyl	127	132	P/P	62 - 139
Chlorpyrifos Ethyl	93.5	94.9	P/P	67 - 121
Chlorpyrifos Methyl	92.5	96.1	P/P	67 - 120
Cyanazine	216	224	P/P	20 - 226
Demeton	64.7	47.9	P/P	35 - 125
Diazinon	121	115	P/P	70 - 122
Difenoconazole	90.4	90.1	P/P	56 - 186
Dimethenamid	91.1	91.4	P/P	67 - 119
Disulfoton	71.8	53.9	P/P	47 - 120
Dithiopyr	110	112	P/P	67 - 118
EPTC	36.8	40.3	P/P	33 - 90.0
Ethion	98.1	93.3	P/P	40 - 133
Ethoprop	90.6	88.9	P/P	61 - 121
Fenamiphos	92.2	82.2	P/P	31 - 139
Fenbuconazole	139	132	P/P	66 - 141
Fipronil	84.4	89.5	P/P	62 - 129
Fipronil Desulfinyl	115	120	P/P	59 - 126
Fipronil Sulfide	93.2	96.9	P/P	63 - 117
Fipronil Sulfone	84.8	91.1	P/P	57 - 117
Fluazifop-P-butyl	112	118	P/P	63 - 124
Fludioxonil	109	108	P/P	63 - 123
Flumioxazin	244	233	P/P	34 - 245
Flutolanil	111	109	P/P	56 - 131
Fluxapyroxad	103	107	P/P	57 - 117
Fonofos	79.2	82.1	P/P	61 - 116
Hexazinone	104	105	P/P	55 - 138
Imazalil	99.4	81.6	P/P	33 - 143
Iprodione	133	128	F/F	59 - 118
Malathion	111	113	P/P	62 - 138
Metalaxyl	94.6	96.9	P/P	24 - 147
Metolachlor	112	103	P/P	68 - 118
Metribuzin	103	96.1	P/P	20 - 239
Mevinphos	74.5	74.9	P/P	46 - 124
Molinate	55.3	51.6	P/P	46 - 100
Myclobutanil	107	104	P/P	32 - 149
Naled	24.3	24.0	F/F	32 - 95.0
Norflurazon	101	107	P/P	57 - 127
Oxadiazon	98.3	97.6	P/P	63 - 118
Oxyfluorfen	118	112	P/P	69 - 137
Parathion Ethyl	91.2	96.3	P/P	70 - 113
Parathion Methyl	87.8	101	P/P	71 - 130

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P401725

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Pendimethalin	87.9	83.1	P/P	55 - 118
Phorate	80.8	75.0	P/P	46 - 125
Prodiamine	56.1	52.7	P/P	20 - 141
Prometon	104	102	P/P	54 - 122
Prometryn	112	114	P/P	66 - 124
Pronamide	107	107	P/P	79 - 122
Propiconazole	104	105	P/P	61 - 126
Pyriproxyfen	103	102	P/P	52 - 131
Simazine	105	102	P/P	75 - 128
Sulfentrazone	103	116	P/P	20 - 132
Tebuconazole	57.0	58.0	P/P	20 - 116
Terbufos	104	96.9	P/P	61 - 117
Terbuthylazine	98.0	98.5	P/P	74 - 116

Reference Method: EPA 8270E
Batch ID: P402013

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	44.7	43.4	P/P	20 - 150
Alpha-BHC	83.8	82.4	P/P	50 - 150
Alpha-Chlordane	77.6	77.2	P/P	50 - 150
Beta-BHC	94.5	91.6	P/P	50 - 150
Beta-Cyfluthrin	78.9	77.1	P/P	50 - 150
Bifenthrin	52.5	52.8	P/P	40 - 150
Chlorothalonil	103	102	P/P	20 - 150
Cis-Nonachlor	71.9	69.7	P/P	50 - 150
Cypermethrin	75.5	75.5	P/P	50 - 150
Dacthal	88.1	87.9	P/P	50 - 150
DDD-p,p'	68.2	68.9	P/P	50 - 150
DDE-p,p'	75.0	74.9	P/P	50 - 150
DDT-p,p'	80.9	80.4	P/P	50 - 150
Delta-BHC	103	103	P/P	50 - 150
Deltamethrin	83.0	81.6	P/P	50 - 150
Dichlobenil	76.4	73.0	P/P	40 - 150
Dicofol	84.4	81.6	P/P	50 - 150
Dieldrin	81.0	80.5	P/P	50 - 150
Endosulfan I	74.2	75.1	P/P	50 - 150
Endosulfan II	76.8	76.4	P/P	50 - 150
Endosulfan Sulfate	93.3	86.4	P/P	50 - 150
Endrin	74.2	75.2	P/P	50 - 150
Endrin Aldehyde	71.1	68.0	P/P	50 - 150
Endrin Ketone	86.0	82.6	P/P	50 - 150
Esfenvalerate	67.7	68.1	P/P	50 - 180
Ethalfluralin	67.5	72.0	P/P	50 - 150
Fenpropathrin	65.5	67.5	P/P	50 - 150
Gamma-BHC	91.2	86.0	P/P	50 - 150
Gamma-Chlordane	69.7	69.4	P/P	50 - 150
Heptachlor	69.2	69.8	P/P	50 - 150
Heptachlor Epoxide	74.2	72.9	P/P	50 - 150
Hexachlorobenzene	71.0	71.1	P/P	50 - 150
Kepone	120	124	P/P	30 - 180
Lambda-Cyhalothrin	64.6	63.7	P/P	50 - 200

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P402013

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Methoxychlor	73.7	72.8	P/P	50 - 150
MGK-264	72.7	70.9	P/P	30 - 150
Mirex	56.5	56.7	P/P	50 - 180
Permethrin	74.4	72.1	P/P	50 - 150
Phenothrin	48.6	51.0	P/P	20 - 150
Piperonyl Butoxide	92.2	93.9	P/P	50 - 150
Prallethrin	62.9	58.3	P/P	30 - 150
Tau-Fluvalinate	61.9	60.9	P/P	40 - 150
Tetramethrin	63.7	65.4	P/P	30 - 150
Trans-Nonachlor	73.4	70.4	P/P	50 - 150
Triclosan Methyl	79.8	79.5	P/P	50 - 150
Trifluralin	70.2	70.8	P/P	50 - 150

Reference Method: EPA 8276
Batch ID: P402013

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	85.9	90.9	P/P	56 - 117
Toxaphene	96.1	94.8	P/P	45 - 116

Reference Method: EPA 8321B
Batch ID: P401726

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	79.4		P	40 - 150
AMPA	116		P	40 - 150
Endothall	83.5		P	40 - 150
Glufosinate	108		P	40 - 150
Glyphosate	107		P	40 - 150
Sucralose	93.2		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P401862

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	86.7		P	40 - 150
Aldicarb	75.3		P	30 - 150
Aldicarb Sulfone	87.3		P	40 - 150
Aldicarb Sulfoxide	82.3		P	40 - 150
Carbaryl	78.8		P	40 - 150
Carbofuran	79.2		P	40 - 150
Methiocarb	79.0		P	40 - 150
Methomyl	86.9		P	40 - 150
Oxamyl	88.7		P	40 - 150
Propoxur	83.6		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P401918

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	98.3		P	40 - 150
2,4,5-T	95.2		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P401918

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetaminophen	96.7		P	30 - 150
Acetamiprid	75.6		P	40 - 150
Afidopyropen	58.5		P	40 - 150
Bentazon	99.0		P	30 - 150
Benzovindiflupyr	85.7		P	40 - 150
Carbamazepine	78.9		P	40 - 150
Clothianidin	79.0		P	40 - 150
Dinotefuran	83.4		P	40 - 150
Diuron	81.0		P	40 - 150
Fenuron	86.8		P	40 - 150
Fluridone	89.8		P	40 - 150
Hydrocodone	84.7		P	40 - 150
Ibuprofen	79.6		P	40 - 150
Imazapyr	95.6		P	40 - 150
Imidacloprid	80.5		P	40 - 150
Linuron	80.3		P	40 - 150
Mandestrobin	88.2		P	40 - 150
MCPP	94.2		P	40 - 150
Naproxen	80.5		P	40 - 150
Primidone	79.4		P	40 - 150
Pyraclostrobin	83.4		P	40 - 150
Thiamethoxam	86.1		P	40 - 150
Tolfenpyrad	48.5		P	30 - 150
Triclopyr	96.0		P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P401725

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2265967	Acetochlor	99.7	113	P/P	66 - 122
2265967	Alachlor	96.7	102	P/P	65 - 122
2265967	Ametryn	141	113	P/P	45 - 173
2265967	Atrazine Desethyl	72.2	55.2	P/P	25 - 150
2265967	Azinphos Methyl	115	109	P/P	44 - 174
2265967	Bromacil	114	122	P/P	31 - 145
2265967	Butylate	42.9	50.4	P/P	15 - 97.0
2265967	Caffeine	103	106	P/P	70 - 130
2265967	Carbophenothion	87.9	101	P/P	42 - 129
2265967	Carfentrazone Ethyl	108	113	P/P	62 - 145
2265967	Chlorpyrifos Ethyl	77.1	79.6	P/P	60 - 124
2265967	Chlorpyrifos Methyl	86.6	95.7	P/P	66 - 119
2265967	Cyanazine	201	203	P/P	17 - 225
2265967	Demeton	91.2	97.4	P/P	36 - 142
2265967	Diazinon	108	119	P/P	70 - 128
2265967	Difenoconazole	208	208	P/P	33 - 222
2265967	Dimethenamid	79.5	96.1	P/P	54 - 125
2265967	Disulfoton	78.9	79.7	P/P	49 - 133
2265967	Dithiopyr	97.5	111	P/P	55 - 123
2265967	EPTC	42.9	52.1	P/P	19 - 91.0
2265967	Ethion	86.0	97.0	P/P	13 - 143
2265967	Ethoprop	92.6	94.9	P/P	49 - 144
2265967	Fenamiphos	78.3	78.2	P/P	32 - 136
2265967	Fenbuconazole	134	137	P/P	73 - 148
2265967	Fipronil	123	128	P/P	57 - 129
2265967	Fipronil Desulfinyl	114	127	P/P	49 - 127
2265967	Fipronil Sulfide	84.2	93.2	P/P	44 - 127
2265967	Fipronil Sulfone	83.7	92.5	P/P	35 - 126
2265967	Fluazifop-P-butyl	108	116	P/P	67 - 129
2265967	Fludioxonil	95.0	108	P/P	61 - 126
2265967	Flumioxazin	247	237	P/P	38 - 279
2265967	Flutolanil	103	109	P/P	55 - 136
2265967	Fluxapyroxad	95.5	100	P/P	33 - 140
2265967	Fonofos	73.0	92.4	P/P	58 - 125
2265967	Hexazinone	91.6	99.9	P/P	57 - 148
2265967	Imazalil	111	103	P/P	10 - 221
2265967	Iprodione	121	119	P/P	32 - 140
2265967	Malathion	92.7	101	P/P	52 - 138
2265967	Metalaxyl	91.9	104	P/P	46 - 134
2265967	Metribuzin	95.8	104	P/P	16 - 272
2265967	Mevinphos	84.1	87.9	P/P	45 - 140
2265967	Molinate	55.0	60.8	P/P	41 - 103
2265967	Myclobutanil	98.0	101	P/P	60 - 134
2265967	Naled	22.3	24.7	P/P	20 - 113
2265967	Norflurazon	92.7	98.1	P/P	51 - 123
2265967	Oxadiazon	82.2	91.5	P/P	44 - 125
2265967	Oxyfluorfen	116	127	P/P	66 - 176
2265967	Parathion Ethyl	90.6	91.4	P/P	57 - 132
2265967	Parathion Methyl	102	114	P/P	59 - 156
2265967	Pendimethalin	89.6	91.8	P/P	59 - 129
2265967	Phorate	88.7	95.5	P/P	47 - 136
2265967	Prodiamine	69.1	83.0	P/P	10 - 159

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P401725

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2265967	Prometon	101	102	P/P	59 - 127
2265967	Prometryn	98.8	105	P/P	59 - 129
2265967	Pronamide	97.7	113	P/P	65 - 145
2265967	Propiconazole	101	112	P/P	28 - 165
2265967	Pyriproxyfen	84.4	91.9	P/P	21 - 180
2265967	Sulfentrazone	103	110	P/P	32 - 136
2265967	Tebuconazole	72.9	78.6	P/P	-8.3 - 117
2265967	Terbufos	100	111	P/P	61 - 131
2265967	Terbuthylazine	92.3	93.8	P/P	62 - 126

Reference Method: EPA 8270E
Batch ID: P402013

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2266201	Aldrin	38.6	39.8	P/P	20 - 170
2266201	Alpha-BHC	86.0	89.4	P/P	50 - 170
2266201	Alpha-Chlordane	76.0	78.0	P/P	50 - 170
2266201	Beta-BHC	103	105	P/P	50 - 170
2266201	Beta-Cyfluthrin	102	103	P/P	50 - 170
2266201	Bifenthrin	64.2	67.1	P/P	40 - 170
2266201	Chlorothalonil	108	109	P/P	20 - 170
2266201	Cis-Nonachlor	71.9	74.5	P/P	50 - 170
2266201	Cypermethrin	97.5	99.0	P/P	50 - 170
2266201	Dacthal	87.7	88.4	P/P	50 - 170
2266201	DDD-p,p'	70.6	72.2	P/P	50 - 170
2266201	DDE-p,p'	74.6	75.8	P/P	50 - 170
2266201	DDT-p,p'	79.6	80.9	P/P	50 - 170
2266201	Delta-BHC	110	113	P/P	50 - 170
2266201	Deltamethrin	108	110	P/P	50 - 170
2266201	Dichlobenil	82.9	82.3	P/P	40 - 170
2266201	Dicofol	86.2	83.4	P/P	50 - 170
2266201	Dieldrin	86.4	87.9	P/P	50 - 170
2266201	Endosulfan I	72.7	73.9	P/P	50 - 170
2266201	Endosulfan II	80.3	82.5	P/P	50 - 170
2266201	Endosulfan Sulfate	90.2	91.0	P/P	50 - 170
2266201	Endrin	75.5	77.0	P/P	50 - 170
2266201	Endrin Aldehyde	74.7	76.5	P/P	50 - 170
2266201	Endrin Ketone	88.2	90.2	P/P	50 - 170
2266201	Esfenvalerate	92.3	93.5	P/P	50 - 180
2266201	Ethalfluralin	68.9	68.1	P/P	50 - 170
2266201	Fenpropathrin	74.6	75.3	P/P	50 - 170
2266201	Gamma-BHC	93.5	95.5	P/P	50 - 170
2266201	Gamma-Chlordane	70.2	72.0	P/P	50 - 170
2266201	Heptachlor	68.7	69.8	P/P	50 - 170
2266201	Heptachlor Epoxide	74.6	77.7	P/P	50 - 170
2266201	Hexachlorobenzene	72.0	72.6	P/P	50 - 170
2266201	Kepone	130	123	P/P	30 - 180
2266201	Lambda-Cyhalothrin	92.1	89.6	P/P	50 - 200
2266201	Methoxychlor	74.6	74.6	P/P	50 - 170
2266201	MGK-264	69.3	70.1	P/P	30 - 170
2266201	Mirex	61.2	62.4	P/P	50 - 180
2266201	Permethrin	93.3	95.6	P/P	50 - 170

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P402013

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2266201	Phenothrin	47.1	50.6	P/P	20 - 170
2266201	Piperonyl Butoxide	101	103	P/P	50 - 170
2266201	Prallethrin	61.5	61.1	P/P	30 - 170
2266201	Tau-Fluvalinate	86.8	86.9	P/P	40 - 170
2266201	Tetramethrin	61.3	66.8	P/P	30 - 170
2266201	Trans-Nonachlor	71.7	75.3	P/P	50 - 170
2266201	Triclosan Methyl	76.9	78.8	P/P	50 - 170
2266201	Trifluralin	69.8	70.8	P/P	50 - 170

Reference Method: EPA 8276
Batch ID: P402013

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2266184	Chlordane	80.7	83.2	P/P	47 - 128
2266184	Toxaphene	91.2	91.1	P/P	11 - 163

Reference Method: EPA 8321B
Batch ID: P401726

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2265882	Acesulfame K	136	135	P/P	40 - 150
2265882	AMPA	89.2	90.6	P/P	40 - 150
2265882	Endothall	98.2	98.8	P/P	40 - 150
2265882	Glufosinate	117	125	P/P	40 - 150
2265882	Glyphosate	99.3	103	P/P	40 - 150
2265882	Sucralose	94.1	95.3	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P401862

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2265964	3-Hydroxycarbofuran	85.8	90.3	P/P	40 - 150
2265964	Aldicarb	78.7	83.9	P/P	30 - 150
2265964	Aldicarb Sulfone	96.2	106	P/P	40 - 150
2265964	Aldicarb Sulfoxide	38.3	42.3	F/P	40 - 150
2265964	Carbaryl	76.8	79.3	P/P	40 - 150
2265964	Carbofuran	79.7	83.2	P/P	40 - 150
2265964	Methiocarb	77.6	81.6	P/P	40 - 150
2265964	Methomyl	84.3	90.9	P/P	40 - 150
2265964	Oxamyl	89.8	96.7	P/P	40 - 150
2265964	Propoxur	81.5	86.4	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P401918

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2265965	2,4-D	81.9	74.1	P/P	40 - 150
2265965	2,4,5-T	77.8	67.2	P/P	40 - 150
2265965	Acetaminophen	119	105	P/P	30 - 150
2265965	Acetamiprid	70.0	72.6	P/P	40 - 150
2265965	Afidopyropen	44.8	51.7	P/P	40 - 150
2265965	Bentazon	69.7	57.9	P/P	30 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P401918

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2265965	Benzovindiflupyr	61.3	49.5	P/P	40 - 150
2265965	Carbamazepine	77.4	78.6	P/P	40 - 150
2265965	Clothianidin	84.6	81.1	P/P	40 - 150
2265965	Dinotefuran	98.5	108	P/P	40 - 150
2265965	Diuron	69.6	61.7	P/P	40 - 150
2265965	Fenuron	84.8	85.8	P/P	40 - 150
2265965	Fluridone	71.8	62.4	P/P	40 - 150
2265965	Hydrocodone	92.2	102	P/P	40 - 150
2265965	Ibuprofen	58.0	48.3	P/P	40 - 150
2265965	Imazapyr	124	127	P/P	40 - 150
2265965	Imidacloprid	93.2	93.0	P/P	40 - 150
2265965	Linuron	63.0	52.0	P/P	40 - 150
2265965	Mandestrobin	70.0	59.3	P/P	40 - 150
2265965	MCPP	82.0	70.1	P/P	40 - 150
2265965	Naproxen	62.2	55.7	P/P	40 - 150
2265965	Primidone	83.1	86.4	P/P	40 - 150
2265965	Pyraclostrobin	59.3	46.1	P/P	40 - 150
2265965	Thiamethoxam	100	103	P/P	40 - 150
2265965	Tolfenpyrad	35.4	29.0	P/F	30 - 150
2265965	Triclopyr	78.7	67.7	P/P	40 - 150

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P401725

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2265967	Acetochlor	7.42	Spike	P	0 - 30
2265967	Alachlor	5.49	Spike	P	0 - 30
2265967	Ametryn	21.4	Spike	P	0 - 30
2265967	Atrazine	3.83	Spike	P	0 - 30
2265967	Atrazine Desethyl	19.7	Spike	P	0 - 30
2265967	Azinphos Methyl	4.96	Spike	P	0 - 30
2265967	Azoxystrobin	7.55	Spike	P	0 - 30
2265967	Bromacil	6.53	Spike	P	0 - 30
2265967	Butylate	16.0	Spike	P	0 - 30
2265967	Caffeine	1.77	Spike	P	0 - 30
2265967	Carbophenothion	14.1	Spike	P	0 - 30
2265967	Carfentrazone Ethyl	4.27	Spike	P	0 - 30
2265967	Chlorpyrifos Ethyl	3.23	Spike	P	0 - 30
2265967	Chlorpyrifos Methyl	9.96	Spike	P	0 - 30
2265967	Cyanazine	1.08	Spike	P	0 - 30
2265967	Demeton	6.56	Spike	P	0 - 30
2265967	Diazinon	9.66	Spike	P	0 - 30
2265967	Difenoconazole	0.291	Spike	P	0 - 30
2265967	Dimethenamid	11.1	Spike	P	0 - 30
2265967	Disulfoton	0.947	Spike	P	0 - 30
2265967	Dithiopyr	12.1	Spike	P	0 - 30
2265967	EPTC	19.4	Spike	P	0 - 30
2265967	Ethion	12.0	Spike	P	0 - 30
2265967	Ethoprop	2.52	Spike	P	0 - 30
2265967	Fenamiphos	0.174	Spike	P	0 - 30
2265967	Fenbuconazole	2.32	Spike	P	0 - 30
2265967	Fipronil	4.12	Spike	P	0 - 30
2265967	Fipronil Desulfinyl	9.68	Spike	P	0 - 30
2265967	Fipronil Sulfide	10.2	Spike	P	0 - 30
2265967	Fipronil Sulfone	9.02	Spike	P	0 - 30
2265967	Fluazifop-P-butyl	7.21	Spike	P	0 - 30
2265967	Fludioxonil	13.1	Spike	P	0 - 30
2265967	Flumioxazin	3.88	Spike	P	0 - 30
2265967	Flutolanil	3.33	Spike	P	0 - 30
2265967	Fluxapyroxad	3.90	Spike	P	0 - 30
2265967	Fonofos	23.4	Spike	P	0 - 30
2265967	Hexazinone	6.85	Spike	P	0 - 30
2265967	Imazalil	7.54	Spike	P	0 - 30
2265967	Iprodione	1.76	Spike	P	0 - 30
2265967	Malathion	8.05	Spike	P	0 - 30
2265967	Metalaxyl	12.6	Spike	P	0 - 30
2265967	Metolachlor	1.60	Spike	P	0 - 30
2265967	Metribuzin	8.05	Spike	P	0 - 30
2265967	Mevinphos	4.39	Spike	P	0 - 30
2265967	Molinate	10.1	Spike	P	0 - 30
2265967	Myclobutanil	2.76	Spike	P	0 - 30
2265967	Naled	10.3	Spike	P	0 - 30
2265967	Norflurazon	5.61	Spike	P	0 - 30
2265967	Oxadiazon	6.27	Spike	P	0 - 30
2265967	Oxyfluorfen	8.93	Spike	P	0 - 30
2265967	Parathion Ethyl	0.927	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P401725

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2265967	Parathion Methyl	11.2	Spike	P	0 - 30
2265967	Pendimethalin	2.47	Spike	P	0 - 30
2265967	Phorate	7.36	Spike	P	0 - 30
2265967	Prodiamine	18.4	Spike	P	0 - 30
2265967	Prometon	0.208	Spike	P	0 - 30
2265967	Prometryn	5.95	Spike	P	0 - 30
2265967	Pronamide	14.1	Spike	P	0 - 30
2265967	Propiconazole	7.54	Spike	P	0 - 30
2265967	Pyriproxyfen	8.58	Spike	P	0 - 30
2265967	Simazine	5.41	Spike	P	0 - 30
2265967	Sulfentrazone	7.09	Spike	P	0 - 30
2265967	Tebuconazole	5.19	Spike	P	0 - 30
2265967	Terbufos	9.90	Spike	P	0 - 30
2265967	Terbuthylazine	1.61	Spike	P	0 - 30
LFB	Acetochlor	3.48	LCS	P	0 - 30
LFB	Alachlor	1.21	LCS	P	0 - 30
LFB	Ametryn	13.0	LCS	P	0 - 30
LFB	Atrazine	2.90	LCS	P	0 - 30
LFB	Atrazine Desethyl	13.6	LCS	P	0 - 30
LFB	Azinphos Methyl	4.09	LCS	P	0 - 30
LFB	Azoxystrobin	12.0	LCS	P	0 - 30
LFB	Bromacil	2.20	LCS	P	0 - 30
LFB	Butylate	7.31	LCS	P	0 - 30
LFB	Caffeine	27.4	LCS	P	0 - 30
LFB	Carbophenothion	7.66	LCS	P	0 - 30
LFB	Carfentrazone Ethyl	3.91	LCS	P	0 - 30
LFB	Chlorpyrifos Ethyl	1.52	LCS	P	0 - 30
LFB	Chlorpyrifos Methyl	3.82	LCS	P	0 - 30
LFB	Cyanazine	3.69	LCS	P	0 - 30
LFB	Demeton	30.0	LCS	P	0 - 30
LFB	Diazinon	4.67	LCS	P	0 - 30
LFB	Difenoconazole	0.285	LCS	P	0 - 30
LFB	Dimethenamid	0.366	LCS	P	0 - 30
LFB	Disulfoton	28.4	LCS	P	0 - 30
LFB	Dithiopyr	1.25	LCS	P	0 - 30
LFB	EPTC	9.21	LCS	P	0 - 30
LFB	Ethion	5.06	LCS	P	0 - 30
LFB	Ethoprop	1.82	LCS	P	0 - 30
LFB	Fenamiphos	11.6	LCS	P	0 - 30
LFB	Fenbuconazole	5.78	LCS	P	0 - 30
LFB	Fipronil	5.88	LCS	P	0 - 30
LFB	Fipronil Desulfinyl	4.07	LCS	P	0 - 30
LFB	Fipronil Sulfide	3.90	LCS	P	0 - 30
LFB	Fipronil Sulfone	7.13	LCS	P	0 - 30
LFB	Fluazifop-P-butyl	6.02	LCS	P	0 - 30
LFB	Fludioxonil	0.927	LCS	P	0 - 30
LFB	Flumioxazin	4.40	LCS	P	0 - 30
LFB	Flutolanil	1.81	LCS	P	0 - 30
LFB	Fluxapyroxad	3.69	LCS	P	0 - 30
LFB	Fonofos	3.71	LCS	P	0 - 30
LFB	Hexazinone	1.61	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P401725

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Imazalil	19.7	LCS	P	0 - 30
LFB	Iprodione	3.58	LCS	P	0 - 30
LFB	Malathion	1.95	LCS	P	0 - 30
LFB	Metalaxyl	2.39	LCS	P	0 - 30
LFB	Metolachlor	8.30	LCS	P	0 - 30
LFB	Metribuzin	6.99	LCS	P	0 - 30
LFB	Mevinphos	0.520	LCS	P	0 - 30
LFB	Molinate	6.91	LCS	P	0 - 30
LFB	Myclobutanil	2.50	LCS	P	0 - 30
LFB	Naled	1.33	LCS	P	0 - 30
LFB	Norflurazon	5.92	LCS	P	0 - 30
LFB	Oxadiazon	0.738	LCS	P	0 - 30
LFB	Oxyfluorfen	5.46	LCS	P	0 - 30
LFB	Parathion Ethyl	5.47	LCS	P	0 - 30
LFB	Parathion Methyl	14.2	LCS	P	0 - 30
LFB	Pendimethalin	5.61	LCS	P	0 - 30
LFB	Phorate	7.53	LCS	P	0 - 30
LFB	Prodiamine	6.24	LCS	P	0 - 30
LFB	Prometon	2.80	LCS	P	0 - 30
LFB	Prometryn	1.86	LCS	P	0 - 30
LFB	Pronamide	0.628	LCS	P	0 - 30
LFB	Propiconazole	0.635	LCS	P	0 - 30
LFB	Pyriproxyfen	1.20	LCS	P	0 - 30
LFB	Simazine	2.20	LCS	P	0 - 30
LFB	Sulfentrazone	12.2	LCS	P	0 - 30
LFB	Tebuconazole	1.69	LCS	P	0 - 30
LFB	Terbufos	7.05	LCS	P	0 - 30
LFB	Terbuthylazine	0.490	LCS	P	0 - 30

Reference Method: EPA 8270E
Batch ID: P402013

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2266201	Aldrin	3.17	Spike	P	0 - 30
2266201	Alpha-BHC	3.82	Spike	P	0 - 30
2266201	Alpha-Chlordane	2.64	Spike	P	0 - 30
2266201	Beta-BHC	2.20	Spike	P	0 - 30
2266201	Beta-Cyfluthrin	1.28	Spike	P	0 - 30
2266201	Bifenthrin	4.39	Spike	P	0 - 30
2266201	Chlorothalonil	0.921	Spike	P	0 - 50
2266201	Cis-Nonachlor	3.54	Spike	P	0 - 30
2266201	Cypermethrin	1.58	Spike	P	0 - 30
2266201	Dacthal	0.758	Spike	P	0 - 30
2266201	DDD-p,p'	2.27	Spike	P	0 - 30
2266201	DDE-p,p'	1.60	Spike	P	0 - 30
2266201	DDT-p,p'	1.59	Spike	P	0 - 30
2266201	Delta-BHC	3.22	Spike	P	0 - 30
2266201	Deltamethrin	1.90	Spike	P	0 - 30
2266201	Dichlobenil	0.671	Spike	P	0 - 30
2266201	Dicofol	3.34	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P402013

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2266201	Dieldrin	1.71	Spike	P	0 - 30
2266201	Endosulfan I	1.68	Spike	P	0 - 30
2266201	Endosulfan II	2.69	Spike	P	0 - 30
2266201	Endosulfan Sulfate	0.904	Spike	P	0 - 30
2266201	Endrin	1.93	Spike	P	0 - 30
2266201	Endrin Aldehyde	2.32	Spike	P	0 - 30
2266201	Endrin Ketone	2.16	Spike	P	0 - 30
2266201	Esfenvalerate	1.34	Spike	P	0 - 30
2266201	Ethalfluralin	1.09	Spike	P	0 - 30
2266201	Fenpropathrin	1.01	Spike	P	0 - 30
2266201	Gamma-BHC	2.17	Spike	P	0 - 30
2266201	Gamma-Chlordane	2.57	Spike	P	0 - 30
2266201	Heptachlor	1.62	Spike	P	0 - 30
2266201	Heptachlor Epoxide	4.01	Spike	P	0 - 30
2266201	Hexachlorobenzene	0.843	Spike	P	0 - 30
2266201	Kepone	5.39	Spike	P	0 - 30
2266201	Lambda-Cyhalothrin	2.81	Spike	P	0 - 30
2266201	Methoxychlor	0.0419	Spike	P	0 - 30
2266201	MGK-264	1.10	Spike	P	0 - 30
2266201	Mirex	1.89	Spike	P	0 - 30
2266201	Permethrin	2.42	Spike	P	0 - 30
2266201	Phenothrin	7.17	Spike	P	0 - 30
2266201	Piperonyl Butoxide	1.53	Spike	P	0 - 30
2266201	Prallethrin	0.659	Spike	P	0 - 30
2266201	Tau-Fluvalinate	0.0665	Spike	P	0 - 30
2266201	Tetramethrin	8.60	Spike	P	0 - 30
2266201	Trans-Nonachlor	4.91	Spike	P	0 - 30
2266201	Triclosan Methyl	2.44	Spike	P	0 - 30
2266201	Trifluralin	1.47	Spike	P	0 - 30
LFB	Aldrin	2.83	LCS	P	0 - 30
LFB	Alpha-BHC	1.62	LCS	P	0 - 30
LFB	Alpha-Chlordane	0.527	LCS	P	0 - 30
LFB	Beta-BHC	3.10	LCS	P	0 - 30
LFB	Beta-Cyfluthrin	2.36	LCS	P	0 - 30
LFB	Bifenthrin	0.585	LCS	P	0 - 30
LFB	Chlorothalonil	1.57	LCS	P	0 - 50
LFB	Cis-Nonachlor	3.12	LCS	P	0 - 30
LFB	Cypermethrin	0.0341	LCS	P	0 - 30
LFB	Dacthal	0.176	LCS	P	0 - 30
LFB	DDD-p,p'	1.02	LCS	P	0 - 30
LFB	DDE-p,p'	0.158	LCS	P	0 - 30
LFB	DDT-p,p'	0.622	LCS	P	0 - 30
LFB	Delta-BHC	0.296	LCS	P	0 - 30
LFB	Deltamethrin	1.74	LCS	P	0 - 30
LFB	Dichlobenil	4.58	LCS	P	0 - 30
LFB	Dicofol	3.37	LCS	P	0 - 30
LFB	Dieldrin	0.623	LCS	P	0 - 30
LFB	Endosulfan I	1.14	LCS	P	0 - 30
LFB	Endosulfan II	0.610	LCS	P	0 - 30
LFB	Endosulfan Sulfate	7.63	LCS	P	0 - 30
LFB	Endrin	1.27	LCS	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P402013

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Endrin Aldehyde	4.51	LCS	P	0 - 30
LFB	Endrin Ketone	4.03	LCS	P	0 - 30
LFB	Esfenvalerate	0.557	LCS	P	0 - 30
LFB	Ethalfluralin	6.47	LCS	P	0 - 30
LFB	Fenpropathrin	3.06	LCS	P	0 - 30
LFB	Gamma-BHC	5.88	LCS	P	0 - 30
LFB	Gamma-Chlordane	0.404	LCS	P	0 - 30
LFB	Heptachlor	0.798	LCS	P	0 - 30
LFB	Heptachlor Epoxide	1.86	LCS	P	0 - 30
LFB	Hexachlorobenzene	0.262	LCS	P	0 - 30
LFB	Kepone	2.97	LCS	P	0 - 30
LFB	Lambda-Cyhalothrin	1.34	LCS	P	0 - 30
LFB	Methoxychlor	1.10	LCS	P	0 - 30
LFB	MGK-264	2.58	LCS	P	0 - 30
LFB	Mirex	0.224	LCS	P	0 - 30
LFB	Permethrin	3.12	LCS	P	0 - 30
LFB	Phenothrin	4.84	LCS	P	0 - 30
LFB	Piperonyl Butoxide	1.84	LCS	P	0 - 30
LFB	Prallethrin	7.59	LCS	P	0 - 30
LFB	Tau-Fluvalinate	1.56	LCS	P	0 - 30
LFB	Tetramethrin	2.74	LCS	P	0 - 30
LFB	Trans-Nonachlor	4.09	LCS	P	0 - 30
LFB	Triclosan Methyl	0.439	LCS	P	0 - 30
LFB	Trifluralin	0.808	LCS	P	0 - 30

Reference Method: EPA 8276
Batch ID: P402013

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2266184	Chlordane	3.01	Spike	P	0 - 30
2266184	Toxaphene	0.140	Spike	P	0 - 30
LFB	Chlordane	5.64	LCS	P	0 - 30
LFB	Toxaphene	1.34	LCS	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P401726

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2265882	Acesulfame K	0.980	Spike	P	0 - 30
2265882	AMPA	1.01	Spike	P	0 - 30
2265882	Endothall	0.681	Spike	P	0 - 30
2265882	Glufosinate	6.72	Spike	P	0 - 30
2265882	Glyphosate	1.41	Spike	P	0 - 30
2265882	Sucralose	1.02	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P401862

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2265964	3-Hydroxycarbofuran	5.07	Spike	P	0 - 30
2265964	Aldicarb	6.39	Spike	P	0 - 30
2265964	Aldicarb Sulfone	9.60	Spike	P	0 - 30
2265964	Aldicarb Sulfoxide	9.77	Spike	P	0 - 30
2265964	Carbaryl	3.32	Spike	P	0 - 30
2265964	Carbofuran	4.33	Spike	P	0 - 30
2265964	Methiocarb	5.08	Spike	P	0 - 30
2265964	Methomyl	7.57	Spike	P	0 - 30
2265964	Oxamyl	7.37	Spike	P	0 - 30
2265964	Propoxur	5.93	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P401918

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2265965	2,4-D	8.53	Spike	P	0 - 30
2265965	2,4,5-T	14.6	Spike	P	0 - 30
2265965	Acetaminophen	12.4	Spike	P	0 - 30
2265965	Acetamiprid	3.65	Spike	P	0 - 30
2265965	Afidopyropen	14.2	Spike	P	0 - 30
2265965	Bentazon	10.6	Spike	P	0 - 30
2265965	Benzovindiflupyr	21.2	Spike	P	0 - 30
2265965	Carbamazepine	1.36	Spike	P	0 - 30
2265965	Clothianidin	4.27	Spike	P	0 - 30
2265965	Dinotefuran	9.20	Spike	P	0 - 30
2265965	Diuron	10.2	Spike	P	0 - 30
2265965	Fenuron	1.16	Spike	P	0 - 30
2265965	Fluridone	14.1	Spike	P	0 - 30
2265965	Hydrocodone	10.1	Spike	P	0 - 30
2265965	Ibuprofen	18.1	Spike	P	0 - 30
2265965	Imazapyr	2.32	Spike	P	0 - 30
2265965	Imidacloprid	0.285	Spike	P	0 - 30
2265965	Linuron	19.0	Spike	P	0 - 30
2265965	Mandestrobin	16.7	Spike	P	0 - 30
2265965	MCPP	15.0	Spike	P	0 - 30
2265965	Naproxen	11.0	Spike	P	0 - 30
2265965	Primidone	3.93	Spike	P	0 - 30
2265965	Pyraclostrobin	25.1	Spike	P	0 - 30
2265965	Thiamethoxam	2.50	Spike	P	0 - 30
2265965	Tolfenpyrad	20.1	Spike	P	0 - 30
2265965	Triclopyr	15.0	Spike	P	0 - 30

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2266147
Field Sample ID: G5SE0058

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	62.3	P	30 - 160

Lab Sample ID: 2266148
Field Sample ID: G5SE0058

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	140	P	30 - 160
EPA 8321B	Acetaminophen-d4	69.2	P	30 - 160
EPA 8321B	Carbamazepine-d10	104	P	30 - 160
EPA 8321B	Diuron-d6	76.4	P	30 - 160
EPA 8321B	Endothall-d6	112	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	57.0	P	30 - 160
EPA 8321B	Ibuprofen-d3	74.4	P	30 - 160
EPA 8321B	Primidone-d5	79.3	P	30 - 160
EPA 8321B	Sucralose-d6	114	P	30 - 160

Lab Sample ID: 2266149
Field Sample ID: G5SE0058

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	142	F	35 - 120
EPA 8270E	Tetrachloro-m-xylene	101	P	30 - 110
EPA 8276	Decachlorobiphenyl	97.5	F	29 - 92.0
EPA 8276	PCNB	123	P	43 - 134

Lab Sample ID: 2266150
Field Sample ID: G5SE0058

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	33.8	P	20 - 200
EPA 8270E	Simazine-d10	124	P	73 - 135
EPA 8270E	Terbufos-d10	113	P	58 - 130

Lab Sample ID: 2266154
Field Sample ID: FB_07292021

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	74.6	P	29 - 92.0
EPA 8276	PCNB	76.4	P	43 - 134

Lab Sample ID: 2266165
Field Sample ID: FB_07292021

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	31.7	P	20 - 200
EPA 8270E	Simazine-d10	120	P	73 - 135
EPA 8270E	Terbufos-d10	102	P	58 - 130

Lab Sample ID: 2266171
Field Sample ID: FB_07292021

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits

Quality Assurance Report
Surrogates

Lab Sample ID: 2266171
Field Sample ID: FB_07292021

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	75.6	P	30 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A106987
Included Lab Sample IDs: 2266148

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	123	117	P/P	60 - 160
Glufosinate	103	103	P/P	60 - 160
Glyphosate	103	104	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A107002
Included Lab Sample IDs: 2266148

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	124	115	P/P	60 - 160
Endothall	79.6	78.9	P/P	60 - 160
Sucralose	108	104	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A107055
Included Lab Sample IDs: 2266147, 2266171

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	103	103	P/P	60 - 150
Aldicarb	107	101	P/P	60 - 150
Aldicarb Sulfone	102	102	P/P	50 - 150
Aldicarb Sulfoxide	103	103	P/P	50 - 150
Carbaryl	104	106	P/P	60 - 150
Carbofuran	105	103	P/P	50 - 150
Methiocarb	102	107	P/P	50 - 150
Methomyl	102	103	P/P	50 - 150
Oxamyl	103	103	P/P	50 - 150
Propoxur	105	109	P/P	50 - 150

Reference Method: EPA 8270E
Run ID: A107074
Included Lab Sample IDs: 2266150, 2266165

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	104		P	80 - 120
Alachlor	104		P	80 - 120
Ametryn	106		P	80 - 120
Atrazine	101		P	80 - 120
Atrazine Desethyl	116		P	80 - 120
Azinphos Methyl	95.7		P	80 - 120
Azoxystrobin	95.2		P	80 - 120
Bromacil	105		P	80 - 120
Butylate	101		P	80 - 120
Caffeine	101		P	70 - 120
Carbophenothion	99.3		P	80 - 120
Carfentrazone Ethyl	101		P	80 - 120
Chlorpyrifos Ethyl	99.4		P	80 - 120
Chlorpyrifos Methyl	99.2		P	80 - 120
Cyanazine	108		P	80 - 120
Demeton	96.1		P	80 - 120
Diazinon	99.5		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A107074
Included Lab Sample IDs: 2266150, 2266165

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Difenoconazole	92.5		P	80 - 120
Dimethenamid	104		P	80 - 120
Disulfoton	99.4		P	80 - 120
Dithiopyr	97.7		P	80 - 120
EPTC	102		P	80 - 120
Ethion	101		P	80 - 120
Ethoprop	102		P	80 - 120
Fenamiphos	92.0		P	80 - 120
Fenbuconazole	100		P	80 - 120
Fipronil	98.9		P	80 - 120
Fipronil Desulfinyl	92.6		P	80 - 120
Fipronil Sulfide	93.9		P	80 - 120
Fipronil Sulfone	98.7		P	80 - 120
Fluazifop-P-butyl	102		P	80 - 120
Fludioxonil	99.9		P	80 - 120
Flumioxazin	89.9		P	80 - 120
Flutolanil	102		P	80 - 120
Fluxapyroxad	99.2		P	80 - 120
Fonofos	95.4		P	80 - 120
Hexazinone	102		P	80 - 120
Imazalil	105		P	80 - 120
Iprodione	96.8		P	80 - 120
Malathion	92.8		P	80 - 120
Metalaxyl	101		P	80 - 120
Metolachlor	101		P	80 - 120
Metribuzin	103		P	80 - 120
Mevinphos	93.8		P	80 - 120
Molinate	101		P	80 - 120
Myclobutanil	106		P	80 - 120
Naled	101		P	80 - 120
Norflurazon	101		P	80 - 120
Oxadiazon	104		P	80 - 120
Oxyfluorfen	97.2		P	80 - 120
Parathion Ethyl	104		P	80 - 120
Parathion Methyl	103		P	80 - 120
Pendimethalin	112		P	80 - 120
Phorate	100		P	80 - 120
Prodiamine	110		P	80 - 120
Prometon	97.9		P	80 - 120
Prometryn	100		P	80 - 120
Pronamide	95.1		P	80 - 120
Propiconazole	102		P	80 - 120
Pyriproxyfen	104		P	80 - 120
Simazine	104		P	80 - 120
Sulfentrazone	94.6		P	80 - 120
Tebuconazole	104		P	80 - 120
Terbufos	94.6		P	80 - 120
Terbuthylazine	95.9		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A107084
Included Lab Sample IDs: 2266150

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ametryn	93.0		P	80 - 120
Atrazine	103		P	80 - 120
Azoxystrobin	82.6		P	80 - 120
Fluxapyroxad	93.6		P	80 - 120
Metolachlor	99.2		P	80 - 120
Propiconazole	85.1		P	80 - 120

Reference Method: EPA 8270E
Run ID: A107110
Included Lab Sample IDs: 2266149

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	95.8		P	80 - 120
Alpha-BHC	100		P	80 - 120
Alpha-Chlordane	104		P	80 - 120
Beta-BHC	101		P	80 - 120
Beta-Cyfluthrin	102		P	80 - 120
Bifenthrin	101		P	80 - 120
Chlorothalonil	105		P	80 - 120
Cis-Nonachlor	98.6		P	80 - 120
Cypermethrin	103		P	80 - 120
Dacthal	96.1		P	80 - 120
DDD-p,p'	99.3		P	80 - 120
DDE-p,p'	95.6		P	80 - 120
DDT-p,p'	95.2		P	80 - 120
Delta-BHC	107		P	80 - 120
Deltamethrin	97.4		P	80 - 120
Dichlobenil	96.0		P	80 - 120
Dicofol	102		P	80 - 120
Dieldrin	103		P	80 - 120
Endosulfan I	95.6		P	80 - 120
Endosulfan II	97.9		P	80 - 120
Endosulfan Sulfate	97.7		P	80 - 120
Endrin	99.6		P	80 - 120
Endrin Aldehyde	101		P	80 - 120
Endrin Ketone	99.8		P	80 - 120
Esfenvalerate	100		P	80 - 120
Ethalfluralin	97.1		P	80 - 120
Fenpropathrin	96.1		P	80 - 120
Gamma-BHC	100		P	80 - 120
Gamma-Chlordane	93.8		P	80 - 120
Heptachlor	102		P	80 - 120
Heptachlor Epoxide	95.1		P	80 - 120
Hexachlorobenzene	103		P	80 - 120
Kepone	91.6		P	80 - 120
Lambda-Cyhalothrin	104		P	80 - 120
Methoxychlor	101		P	80 - 120
MGK-264	99.2		P	80 - 120
Mirex	94.6		P	80 - 120
Permethrin	101		P	80 - 120
Phenothrin	102		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A107110
Included Lab Sample IDs: 2266149

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Piperonyl Butoxide	102		P	80 - 120
Prallethrin	95.4		P	80 - 120
Tau-Fluvalinate	99.1		P	80 - 120
Tetramethrin	99.7		P	80 - 120
Trans-Nonachlor	97.7		P	80 - 120
Triclosan Methyl	95.1		P	80 - 120
Trifluralin	95.4		P	80 - 120

Reference Method: EPA 8321B
Run ID: A107122
Included Lab Sample IDs: 2266148

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	97.8	98.7	P/P	50 - 150
2,4,5-T	98.4	104	P/P	50 - 150
Acetaminophen	108	113	P/P	60 - 160
Acetamiprid	109	108	P/P	50 - 150
Afidopyropen	112	113	P/P	50 - 150
Bentazon	119	122	P/P	50 - 160
Benzovindiflupyr	119	119	P/P	50 - 150
Carbamazepine	108	109	P/P	60 - 150
Clothianidin	92.9	91.0	P/P	60 - 150
Dinotefuran	113	112	P/P	50 - 150
Diuron	116	114	P/P	60 - 160
Fenuron	108	109	P/P	60 - 150
Fluridone	123	126	P/P	60 - 160
Hydrocodone	113	112	P/P	60 - 150
Ibuprofen	108	112	P/P	50 - 160
Imazapyr	117	121	P/P	50 - 150
Imidacloprid	99.8	99.6	P/P	60 - 150
Linuron	105	93.5	P/P	60 - 150
Mandestrobin	122	125	P/P	50 - 150
MCPP	92.4	91.6	P/P	50 - 150
Naproxen	87.4	95.5	P/P	50 - 160
Primidone	93.8	90.7	P/P	60 - 150
Pyraclostrobin	119	121	P/P	60 - 150
Thiamethoxam	115	112	P/P	50 - 150
Tolfenpyrad	105	105	P/P	60 - 150
Triclopyr	98.6	99.3	P/P	50 - 150

Reference Method: EPA 8276
Run ID: A107203
Included Lab Sample IDs: 2266149, 2266154

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	97.8		P	80 - 120
Toxaphene	109		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	110	114	99.7	113	3.48		7.42
	Alachlor	107	105	96.7	102	1.21		5.49
	Aldrin	44.7	43.4	38.6	39.8	2.83		3.17
	Alpha-BHC	83.8	82.4	86.0	89.4	1.62		3.82
	Alpha-Chlordane	77.6	77.2	76.0	78.0	0.527		2.64
	Ametryn	106	120	141	113	13.0		21.4
	Atrazine	106	103			2.90		3.83
	Atrazine Desethyl	73.2	63.8	72.2	55.2	13.6		19.7
	Azinphos Methyl	143	137	115	109	4.09		4.96
	Azoxystrobin	93.6	106			12.0		7.55
	Beta-BHC	94.5	91.6	103	105	3.10		2.20
	Beta-Cyfluthrin	78.9	77.1	102	103	2.36		1.28
	Bifenthrin	52.5	52.8	64.2	67.1	0.585		4.39
	Bromacil	116	119	114	122	2.20		6.53
	Butylate	43.1	40.0	42.9	50.4	7.31		16.0
	Caffeine	120	91.3	103	106	27.4		1.77
	Carbophenothion	104	113	87.9	101	7.66		14.1
	Carfentrazone Ethyl	127	132	108	113	3.91		4.27
	Chlorothalonil	103	102	108	109	1.57		0.921
	Chlorpyrifos Ethyl	93.5	94.9	77.1	79.6	1.52		3.23
	Chlorpyrifos Methyl	92.5	96.1	86.6	95.7	3.82		9.96
	Cis-Nonachlor	71.9	69.7	71.9	74.5	3.12		3.54
	Cyanazine	216	224	201	203	3.69		1.08
	Cypermethrin	75.5	75.5	97.5	99.0	0.0341		1.58
	Dacthal	87.9	88.1	87.7	88.4	0.176		0.758
	DDD-p,p'	68.9	68.2	70.6	72.2	1.02		2.27
	DDE-p,p'	74.9	75.0	74.6	75.8	0.158		1.60
	DDT-p,p'	80.4	80.9	79.6	80.9	0.622		1.59
	Delta-BHC	103	103	110	113	0.296		3.22
	Deltamethrin	81.6	83.0	108	110	1.74		1.90
	Demeton	64.7	47.9	91.2	97.4	30.0		6.56
	Diazinon	121	115	108	119	4.67		9.66
	Dichlobenil	73.0	76.4	82.9	82.3	4.58		0.671
	Dicofol	81.6	84.4	86.2	83.4	3.37		3.34
	Dieldrin	80.5	81.0	86.4	87.9	0.623		1.71
	Difenoconazole	90.4	90.1	208	208	0.285		0.291
	Dimethenamid	91.1	91.4	79.5	96.1	0.366		11.1
	Disulfoton	71.8	53.9	78.9	79.7	28.4		0.947
	Dithiopyr	110	112	97.5	111	1.25		12.1
	Endosulfan I	75.1	74.2	72.7	73.9	1.14		1.68
	Endosulfan II	76.4	76.8	80.3	82.5	0.610		2.69
	Endosulfan Sulfate	86.4	93.3	90.2	91.0	7.63		0.904
	Endrin	75.2	74.2	75.5	77.0	1.27		1.93
	Endrin Aldehyde	68.0	71.1	74.7	76.5	4.51		2.32
	Endrin Ketone	82.6	86.0	88.2	90.2	4.03		2.16
	EPTC	36.8	40.3	42.9	52.1	9.21		19.4
	Esfenvalerate	68.1	67.7	92.3	93.5	0.557		1.34
	Ethalfluralin	72.0	67.5	68.9	68.1	6.47		1.09
	Ethion	98.1	93.3	86.0	97.0	5.06		12.0
	Ethoprop	90.6	88.9	92.6	94.9	1.82		2.52
	Fenamiphos	92.2	82.2	78.3	78.2	11.6		0.174
	Fenbuconazole	139	132	134	137	5.78		2.32
	Fenpropathrin	67.5	65.5	74.6	75.3	3.06		1.01
	Fipronil	84.4	89.5	123	128	5.88		4.12

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision		
						LCS	SMP	MS
EPA 8270E	Fipronil Desulfinyl	115	120	114	127	4.07		9.68
	Fipronil Sulfide	93.2	96.9	84.2	93.2	3.90		10.2
	Fipronil Sulfone	84.8	91.1	83.7	92.5	7.13		9.02
	Fluazifop-P-butyl	112	118	108	116	6.02		7.21
	Fludioxonil	109	108	95.0	108	0.927		13.1
	Flumioxazin	244	233	247	237	4.40		3.88
	Flutolanil	111	109	103	109	1.81		3.33
	Fluxapyroxad	103	107	95.5	100	3.69		3.90
	Fonofos	79.2	82.1	73.0	92.4	3.71		23.4
	Gamma-BHC	86.0	91.2	93.5	95.5	5.88		2.17
	Gamma-Chlordane	69.4	69.7	70.2	72.0	0.404		2.57
	Heptachlor	69.8	69.2	68.7	69.8	0.798		1.62
	Heptachlor Epoxide	72.9	74.2	74.6	77.7	1.86		4.01
	Hexachlorobenzene	71.1	71.0	72.0	72.6	0.262		0.843
	Hexazinone	104	105	91.6	99.9	1.61		6.85
	Imazalil	99.4	81.6	111	103	19.7		7.54
	Iprodione	133	128	121	119	3.58		1.76
	Kepone	124	120	130	123	2.97		5.39
	Lambda-Cyhalothrin	63.7	64.6	92.1	89.6	1.34		2.81
	Malathion	111	113	92.7	101	1.95		8.05
	Metalaxyl	94.6	96.9	91.9	104	2.39		12.6
	Methoxychlor	72.8	73.7	74.6	74.6	1.10		0.0419
	Metolachlor	112	103			8.30		1.60
	Metribuzin	103	96.1	95.8	104	6.99		8.05
	Mevinphos	74.5	74.9	84.1	87.9	0.520		4.39
	MGK-264	70.9	72.7	69.3	70.1	2.58		1.10
	Mirex	56.7	56.5	61.2	62.4	0.224		1.89
	Molinate	55.3	51.6	55.0	60.8	6.91		10.1
	Myclobutanil	107	104	98.0	101	2.50		2.76
	Naled	24.3	24.0	22.3	24.7	1.33		10.3
	Norflurazon	101	107	92.7	98.1	5.92		5.61
	Oxadiazon	98.3	97.6	82.2	91.5	0.738		6.27
	Oxyfluorfen	118	112	116	127	5.46		8.93
	Parathion Ethyl	91.2	96.3	90.6	91.4	5.47		0.927
	Parathion Methyl	87.8	101	102	114	14.2		11.2
	Pendimethalin	87.9	83.1	89.6	91.8	5.61		2.47
	Permethrin	72.1	74.4	93.3	95.6	3.12		2.42
	Phenothrin	51.0	48.6	47.1	50.6	4.84		7.17
	Phorate	80.8	75.0	88.7	95.5	7.53		7.36
	Piperonyl Butoxide	93.9	92.2	101	103	1.84		1.53
	Prallethrin	58.3	62.9	61.5	61.1	7.59		0.659
	Prodiamine	56.1	52.7	69.1	83.0	6.24		18.4
	Prometon	104	102	101	102	2.80		0.208
	Prometryn	112	114	98.8	105	1.86		5.95
	Pronamide	107	107	97.7	113	0.628		14.1
	Propiconazole	104	105	101	112	0.635		7.54
	Pyriproxyfen	103	102	84.4	91.9	1.20		8.58
	Simazine	105	102			2.20		5.41
	Sulfentrazone	103	116	103	110	12.2		7.09
	Tau-Fluvalinate	60.9	61.9	86.8	86.9	1.56		0.0665
	Tebuconazole	57.0	58.0	72.9	78.6	1.69		5.19
	Terbufos	104	96.9	100	111	7.05		9.90
	Terbuthylazine	98.0	98.5	92.3	93.8	0.490		1.61
	Tetramethrin	65.4	63.7	61.3	66.8	2.74		8.60

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision		
						LCS	SMP	MS
EPA 8270E	Trans-Nonachlor	70.4	73.4	71.7	75.3	4.09		4.91
	Triclosan Methyl	79.5	79.8	76.9	78.8	0.439		2.44
	Trifluralin	70.8	70.2	69.8	70.8	0.808		1.47
EPA 8276	Chlordane	85.9	90.9	80.7	83.2	5.64		3.01
	Toxaphene	96.1	94.8	91.2	91.1	1.34		0.140
EPA 8321B	2,4-D	98.3		81.9	74.1			8.53
	2,4,5-T	95.2		77.8	67.2			14.6
	3-Hydroxycarbofuran	86.7		85.8	90.3			5.07
	Acesulfame K	79.4		136	135			0.980
	Acetaminophen	96.7		119	105			12.4
	Acetamiprid	75.6		70.0	72.6			3.65
	Afidopyropen	58.5		44.8	51.7			14.2
	Aldicarb	75.3		78.7	83.9			6.39
	Aldicarb Sulfone	87.3		96.2	106			9.60
	Aldicarb Sulfoxide	82.3		38.3	42.3			9.77
	AMPA	116		89.2	90.6			1.01
	Bentazon	99.0		69.7	57.9			10.6
	Benzovindiflupyr	85.7		61.3	49.5			21.2
	Carbamazepine	78.9		77.4	78.6			1.36
	Carbaryl	78.8		76.8	79.3			3.32
	Carbofuran	79.2		79.7	83.2			4.33
	Clothianidin	79.0		84.6	81.1			4.27
	Dinotefuran	83.4		98.5	108			9.20
	Diuron	81.0		69.6	61.7			10.2
	Endothall	83.5		98.2	98.8			0.681
	Fenuron	86.8		84.8	85.8			1.16
	Fluridone	89.8		71.8	62.4			14.1
	Glufosinate	108		117	125			6.72
	Glyphosate	107		99.3	103			1.41
	Hydrocodone	84.7		92.2	102			10.1
	Ibuprofen	79.6		58.0	48.3			18.1
	Imazapyr	95.6		124	127			2.32
	Imidacloprid	80.5		93.2	93.0			0.285
	Linuron	80.3		63.0	52.0			19.0
	Mandestrobin	88.2		70.0	59.3			16.7
	MCPP	94.2		82.0	70.1			15.0
	Methiocarb	79.0		77.6	81.6			5.08
	Methomyl	86.9		84.3	90.9			7.57
	Naproxen	80.5		62.2	55.7			11.0
	Oxamyl	88.7		89.8	96.7			7.37
	Primidone	79.4		83.1	86.4			3.93
	Propoxur	83.6		81.5	86.4			5.93
	Pyraclostrobin	83.4		59.3	46.1			25.1
	Sucralose	93.2		94.1	95.3			1.02
	Thiamethoxam	86.1		100	103			2.50
	Tolfenpyrad	48.5		35.4	29.0			20.1
	Triclopyr	96.0		78.7	67.7			15.0

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2266149
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2266150, 2266165

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2266149, 2266154
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2266147, 2266171
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2266148

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	07/30/2021	08/02/2021 08:00	Rasheda Ghaffari	08/03/2021 21:29	Michael Poppell	2266150
	07/30/2021	08/02/2021 08:00	Rasheda Ghaffari	08/03/2021 21:55	Michael Poppell	2266165
	07/30/2021	08/02/2021 08:00	Rasheda Ghaffari	08/04/2021 17:13	Michael Poppell	2266150
	07/30/2021	08/04/2021 08:00	Rasheda Ghaffari	08/06/2021 23:12	Arthur Maknenko	2266149
EPA 8276	07/30/2021	08/04/2021 08:00	Rasheda Ghaffari	08/06/2021 11:08	Julie Wi	2266149
	07/30/2021	08/04/2021 08:00	Rasheda Ghaffari	08/06/2021 12:03	Julie Wi	2266154
EPA 8321B	07/30/2021	08/02/2021 09:00	Pramila Ghimire	08/02/2021 13:55	Juyoung Kim	2266148
	07/30/2021	08/02/2021 09:00	Pramila Ghimire	08/03/2021 13:26	Pramila Ghimire	2266148
	07/30/2021	08/04/2021 08:30	Hoor Shaik	08/04/2021 23:43	Juyoung Kim	2266147
	07/30/2021	08/04/2021 08:30	Hoor Shaik	08/05/2021 00:18	Juyoung Kim	2266171
	07/30/2021	08/04/2021 14:00	Hoor Shaik	08/07/2021 02:58	Juyoung Kim	2266148
	07/30/2021	08/04/2021 14:00	Hoor Shaik	08/09/2021 10:36	Juyoung Kim	2266148