

Chemical Analysis Report

CEN-DIST-2023-04-18-02

Florida DEP Laboratory
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Tallahassee, FL 32399-2400
DOH Accreditation E31780

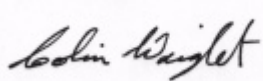
Event Description: **Run 17**
Request ID: **RQ-2023-04-24-25**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
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3319 Maguire Blvd., Suite 232
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Certified by: Colin Wright, Program Administrator

Date Certified: 16-MAY-2023 15:38



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: Soldier Creek S of 427

Collection Date/Time: 04/17/2023 10:15

Field ID: G2CE0271

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400873	EPA 8321B	Aldicarb	0.020	U	ug/L	P428762	MS
		Aldicarb Sulfone	0.0020	U	ug/L	P428762	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P428762	
		Carbaryl	0.0020	U	ug/L	P428762	
		Carbofuran	0.0020	U	ug/L	P428762	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P428762	
		Methiocarb	0.0020	U	ug/L	P428762	
		Methomyl	0.0020	U	ug/L	P428762	
		Oxamyl	0.0020	U	ug/L	P428762	
		Propoxur	0.0020	U	ug/L	P428762	
2400874		2,4-D	0.062		ug/L	P428689	
		Acesulfame K	0.12	I	ug/L	P428613	
		2,4,5-T	0.0040	U	ug/L	P428689	
		AMPA	0.18	I	ug/L	P428613	
		Acetaminophen	0.0080	U	ug/L	P428689	
		Acetamiprid	0.0020	U	ug/L	P428689	
		Endothall	0.25	U	ug/L	P428613	
		Glufosinate	0.10	U	ug/L	P428613	
		Glyphosate	0.93		ug/L	P428613	
		Afidopyropen	0.0020	U	ug/L	P428689	
		Bentazon	0.23		ug/L	P428689	
		Sucralose	0.29		ug/L	P428613	
		Benzovindiflupyr	0.0020	U	ug/L	P428689	
		Carbamazepine	8.0E-04	U	ug/L	P428689	
		Clothianidin	0.0050	I	ug/L	P428689	
		Dinotefuran	0.0020	U	ug/L	P428689	
		Diuron	0.0020	U	ug/L	P428689	
		Fenuron	0.032	U	ug/L	P428689	
		Fluridone	0.0039		ug/L	P428689	
		Imazapyr	0.024		ug/L	P428689	
		Hydrocodone	0.0020	U	ug/L	P428689	
		Ibuprofen	0.080	U	ug/L	P428689	
		Imidacloprid	0.023		ug/L	P428689	
		Linuron	0.0040	U	ug/L	P428689	
		Mandestrobin	0.0020	U	ug/L	P428689	
		MCPP	0.0058	I	ug/L	P428689	
		Naproxen	0.0080	U	ug/L	P428689	
		Primidone	0.0044	I	ug/L	P428689	
		Pyraclostrobin	0.0020	U	ug/L	P428689	
		Silvex	0.0040	U	ug/L	P428689	
		Thiamethoxam	0.0020	U	ug/L	P428689	
		Tolfenpyrad	0.0020	U	ug/L	P428689	
		Triclopyr	0.0040	U	ug/L	P428689	
2400881	EPA 8270E	Aldrin	0.68	U	ng/L	P428666	

Field ID: G2CE0271

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400881	EPA 8270E	Alpha-BHC	0.10	U	ng/L	P428666	
		Alpha-Chlordane	0.21	U	ng/L	P428666	
		PCB-1016	2.1	U	ng/L	P428666	
		Beta-BHC	0.10	U	ng/L	P428666	
		PCB-1221	2.1	U	ng/L	P428666	
		Beta-Cyfluthrin	1.3	U	ng/L	P428666	
		PCB-1232	2.1	U	ng/L	P428666	
		Bifenthrin	0.52	U	ng/L	P428666	
		PCB-1242	2.1	U	ng/L	P428666	
		PCB-1248	2.1	U	ng/L	P428666	
		Chlorothalonil	3.8	U	ng/L	P428666	
		PCB-1254	2.1	U	ng/L	P428666	
		Cis-Nonachlor	0.21	U	ng/L	P428666	
		PCB-1260	2.1	U	ng/L	P428666	
		Cypermethrin	1.6	U	ng/L	P428666	
		Dacthal	0.16	U	ng/L	P428666	
		DDD-p,p'	0.26	U	ng/L	P428666	
		DDE-p,p'	0.21	U	ng/L	P428666	
		DDT-p,p'	0.26	U	ng/L	P428666	
		Delta-BHC	0.42	U	ng/L	P428666	
		Deltamethrin	1.3	U	ng/L	P428666	
		Dichlobenil	0.26	U	ng/L	P428666	
		Dicofol	1.3	U	ng/L	P428666	
		Dieldrin	0.42	U	ng/L	P428666	
		Endosulfan I	0.42	U	ng/L	P428666	
		Endosulfan II	0.42	U	ng/L	P428666	
		Endosulfan Sulfate	0.31	U	ng/L	P428666	
		Endrin	0.42	U	ng/L	P428666	
		Endrin Aldehyde	0.78	U	ng/L	P428666	
		Endrin Ketone	0.42	UJ	ng/L	P428666	CCV
		Esfenvalerate	0.78	U	ng/L	P428666	
		Ethalfuralin	0.16	U	ng/L	P428666	
		Fenpropathrin	0.26	U	ng/L	P428666	
		Gamma-BHC	0.13	U	ng/L	P428666	
		Gamma-Chlordane	0.21	U	ng/L	P428666	
		Heptachlor	0.21	U	ng/L	P428666	
		Heptachlor Epoxide	0.26	U	ng/L	P428666	
		Hexachlorobenzene**	1.0	U	ng/L	P428666	
		Kepone	5.2	UJ	ng/L	P428666	CCV
		Lambda-Cyhalothrin	0.78	U	ng/L	P428666	
		Methoprene	0.78	U	ng/L	P428666	
		Methoxychlor	0.31	U	ng/L	P428666	
		MGK-264	0.21	U	ng/L	P428666	
		Mirex	0.36	U	ng/L	P428666	
		Oxychlordane	0.31	U	ng/L	P428666	

Field ID: G2CE0271

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400881	EPA 8270E	Permethrin	1.7	U	ng/L	P428666	
		Phenothrin	0.94	U	ng/L	P428666	
		Piperonyl Butoxide	0.62	I	ng/L	P428666	
		Prallethrin	2.1	U	ng/L	P428666	
		Tau-Fluvalinate	0.26	U	ng/L	P428666	
		Tetramethrin	0.78	U	ng/L	P428666	
		Trans-Nonachlor	0.21	U	ng/L	P428666	
		Triclosan Methyl	0.16	U	ng/L	P428666	
		Trifluralin	0.21	U	ng/L	P428666	
		Chlordane	2.1	U	ng/L	P428666	
2400882	EPA 8270E	Toxaphene	16	U	ng/L	P428666	
		Oxybenzone**	10	UQ	ng/L	P429237	
		Acetochlor	0.21	U	ng/L	P428618	
		Octinoxate**	21	UQ	ng/L	P429237	
		Alachlor	0.42	U	ng/L	P428618	
		Avobenzone**	100	UQ	ng/L	P429237	RPD
		Ametryn	3.8	I	ng/L	P428618	
		Atrazine	220		ng/L	P428618	
		PBDE-47**	4.2	UQ	ng/L	P429237	
		Atrazine Desethyl	14		ng/L	P428618	
		PBDE-99**	5.2	UQ	ng/L	P429237	RPD
		Azinphos Methyl	3.1	UJ	ng/L	P428618	CCV
		Tri-o-cresyl Phosphate**	6.2	UQ	ng/L	P429237	
		Azoxystrobin	0.42	U	ng/L	P428618	
		Bromacil	3.0	I	ng/L	P428618	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	UQ	ng/L	P429237	RPD
		Butylate	0.21	U	ng/L	P428618	
		Dechlorane Plus**	31	UQ	ng/L	P429237	
		Caffeine**	91	Q	ng/L	P429237	
		Dechlorane 602**	5.2	UQ	ng/L	P429237	RPD
		Carbophenothion	0.52	U	ng/L	P428618	
		Dechlorane 603**	4.2	UQ	ng/L	P429237	RPD
		Carfentrazone Ethyl	0.16	U	ng/L	P428618	
		Hexabromobenzene**	6.2	UQ	ng/L	P429237	
		Chlorfenapyr	0.31	UJ	ng/L	P428618	CCV
		PBB-153**	8.3	UQ	ng/L	P429237	RPD
		Chlorpyrifos Ethyl	0.31	U	ng/L	P428618	
		Pentabromotoluene**	3.1	UQ	ng/L	P429237	
		Chlorpyrifos Methyl	0.10	U	ng/L	P428618	
		Tris(2-chloroethyl) phosphate (TCEP)**	73	UQ	ng/L	P429237	
		Coumaphos	1.1	U	ng/L	P428618	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	62	Q	ng/L	P429237	MS, RPD
		Cyanazine	5.2	U	ng/L	P428618	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	6.9	IQ	ng/L	P429237	

Field ID: G2CE0271

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400882	EPA 8270E	Cyprodinil	0.21	U	ng/L	P428618	
		Tetradecachloro-m-terphenyl**	7.8	UQ	ng/L	P429237	
		Demeton	3.7	U	ng/L	P428618	
		Diazinon	0.13	U	ng/L	P428618	
		Difenoconazole	0.63	U	ng/L	P428618	
		Dimethenamid	0.10	U	ng/L	P428618	MS
		Dimethomorph	0.31	U	ng/L	P428618	
		Disulfoton	0.63	U	ng/L	P428618	
		Dithiopyr	1.0	U	ng/L	P428618	
		EPTC	0.52	U	ng/L	P428618	
		Ethion	0.31	U	ng/L	P428618	
		Ethoprop	0.13	U	ng/L	P428618	
		Etridiazole	0.10	U	ng/L	P428618	
		Fenamiphos	0.47	U	ng/L	P428618	
		Fenbuconazole	0.52	U	ng/L	P428618	
		Fipronil	2.9		ng/L	P428618	
		Fipronil Desulfinyl**	2.5		ng/L	P428618	
		Fipronil Sulfide	3.5		ng/L	P428618	
		Fipronil Sulfone	3.2		ng/L	P428618	
		Fluazifop-P-butyl	0.10	U	ng/L	P428618	
		Fludioxonil	0.10	U	ng/L	P428618	
		Flumioxazin	3.1	U	ng/L	P428618	
		Flutolanil	0.10	U	ng/L	P428618	
		Fluxapyroxad	0.26	U	ng/L	P428618	
		Fonofos	0.16	U	ng/L	P428618	RPD
		Hexazinone	0.52	U	ng/L	P428618	
		Imazalil	0.68	U	ng/L	P428618	
		Iprodione	0.52	U	ng/L	P428618	
		Loratadine**	0.31	UJ	ng/L	P428618	CCV
		Malathion	0.37	U	ng/L	P428618	
		Metalaxyl	0.52	U	ng/L	P428618	
		Metolachlor	0.89	I	ng/L	P428618	
		Metribuzin	0.42	U	ng/L	P428618	
		Mevinphos	1.0	U	ng/L	P428618	
		Molinate	0.26	U	ng/L	P428618	
		Myclobutanil	0.47	I	ng/L	P428618	
		Naled	2.6	U	ng/L	P428618	
		Napropamide	0.73	U	ng/L	P428618	
		Norflurazon	1.0	U	ng/L	P428618	
		Oxadiazon	2.3		ng/L	P428618	
		Oxyfluorfen	0.21	U	ng/L	P428618	
		Parathion Ethyl	0.16	U	ng/L	P428618	
		Parathion Methyl	0.21	U	ng/L	P428618	
		Pendimethalin	0.87	IJ	ng/L	P428618	LCS
		Phenytain**	5.5	U	ng/L	P428618	

Field ID: G2CE0271

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400882	EPA 8270E	Phorate	0.26	U	ng/L	P428618	
		Prodiamine	0.54	I	ng/L	P428618	
		Prometon	3.1	U	ng/L	P428618	
		Prometryn	0.37	U	ng/L	P428618	
		Pronamide	0.10	U	ng/L	P428618	MS
		Propanil	0.10	U	ng/L	P428618	
		Propargite	0.84	U	ng/L	P428618	
		Propiconazole	5.6		ng/L	P428618	
		Pyraflufen Ethyl	0.31	U	ng/L	P428618	
		Pyridaben	1.5	U	ng/L	P428618	
		Pyriproxyfen	0.26	U	ng/L	P428618	
		Simazine	0.26	U	ng/L	P428618	
		Stirophos	0.42	U	ng/L	P428618	
		Sulfentrazone	2.5	I	ng/L	P428618	
		Tebuconazole	1.5	U	ng/L	P428618	
		Terbufos	0.21	U	ng/L	P428618	
		Terbutylazine	0.21	U	ng/L	P428618	
		Thiobencarb	0.52	U	ng/L	P428618	
		Triadimefon	0.16	U	ng/L	P428618	

Ref. Method and Comment:
 EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
 EPA 8270E: Sample expired for preparation due to need for re-extraction.
 EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes. Sample expired for preparation for caffeine due to need for re-extraction. MS accuracy for some parameters not assessed due to high content of these parameters in the sample spiked.

Sample Location: Gee Creek at SR Hwy 419

Collection Date/Time: 04/17/2023 10:35

Field ID: G2CE0075

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400875	EPA 8321B	2,4-D	0.18		ug/L	P428689	
		Acesulfame K	0.26	I	ug/L	P428613	
		2,4,5-T	0.0040	U	ug/L	P428689	
		AMPA	0.87		ug/L	P428613	
		Acetaminophen	0.0080	U	ug/L	P428689	
		Acetamiprid	0.0020	U	ug/L	P428689	
		Endothall	0.25	U	ug/L	P428613	
		Glufosinate	0.10	U	ug/L	P428613	
		Glyphosate	4.2		ug/L	P428613	
		Afidopyropen	0.0020	U	ug/L	P428689	
		Bentazon	0.22		ug/L	P428689	
		Sucralose	2.5		ug/L	P428613	
		Benzovindiflupyr	0.0020	U	ug/L	P428689	
		Carbamazepine	0.0027	I	ug/L	P428689	
		Clothianidin	0.0020	U	ug/L	P428689	
		Dinotefuran	0.0020	U	ug/L	P428689	
		Diuron	0.017		ug/L	P428689	
		Fenuron	0.032	U	ug/L	P428689	
		Fluridone	0.0045		ug/L	P428689	
		Imazapyr	0.21		ug/L	P428689	
		Hydrocodone	0.0020	U	ug/L	P428689	
		Ibuprofen	0.080	U	ug/L	P428689	
		Imidacloprid	0.018		ug/L	P428689	
		Linuron	0.0040	U	ug/L	P428689	
		Mandestrobin	0.0020	U	ug/L	P428689	
		MCPP	0.036		ug/L	P428689	
		Naproxen	0.0080	U	ug/L	P428689	
		Primidone	0.0068	I	ug/L	P428689	
		Pyraclostrobin	0.0020	U	ug/L	P428689	
		Silvex	0.0040	U	ug/L	P428689	
		Thiamethoxam	0.0020	U	ug/L	P428689	
		Tolfenpyrad	0.0020	U	ug/L	P428689	
		Triclopyr	0.0040	U	ug/L	P428689	
2400883	EPA 8270E	Aldrin	0.67	U	ng/L	P428666	
		Alpha-BHC	0.10	U	ng/L	P428666	
		Alpha-Chlordane	0.21	U	ng/L	P428666	
		PCB-1016	2.1	U	ng/L	P428666	
		Beta-BHC	0.10	U	ng/L	P428666	
		PCB-1221	2.1	U	ng/L	P428666	
		Beta-Cyfluthrin	1.3	U	ng/L	P428666	
		PCB-1232	2.1	U	ng/L	P428666	
		Bifenthrin	0.51	U	ng/L	P428666	
		PCB-1242	2.1	U	ng/L	P428666	
		Carbophenothion	0.92	U	ng/L	P428666	

Field ID: G2CE0075

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400883	EPA 8270E	PCB-1248	2.1	U	ng/L	P428666	
		Chlorothalonil	3.7	U	ng/L	P428666	
		PCB-1254	2.1	U	ng/L	P428666	
		Cis-Nonachlor	0.21	U	ng/L	P428666	
		PCB-1260	2.1	U	ng/L	P428666	
		Cypermethrin	1.5	U	ng/L	P428666	
		Dacthal	0.15	U	ng/L	P428666	
		DDD-p,p'	0.26	U	ng/L	P428666	
		DDE-p,p'	0.21	U	ng/L	P428666	
		DDT-p,p'	0.26	U	ng/L	P428666	
		Delta-BHC	0.41	U	ng/L	P428666	
		Deltamethrin	1.3	U	ng/L	P428666	
		Dichlobenil	0.26	U	ng/L	P428666	
		Dicofol	1.3	U	ng/L	P428666	
		Dieldrin	0.41	U	ng/L	P428666	
		Endosulfan I	0.41	U	ng/L	P428666	
		Endosulfan II	0.41	U	ng/L	P428666	
		Endosulfan Sulfate	0.31	U	ng/L	P428666	
		Endrin	0.41	U	ng/L	P428666	
		Endrin Aldehyde	0.77	U	ng/L	P428666	
		Endrin Ketone	0.41	UJ	ng/L	P428666	CCV
		Esfenvalerate	0.77	U	ng/L	P428666	
		Ethalfuralin	0.15	U	ng/L	P428666	
		Fenpropathrin	0.26	U	ng/L	P428666	
		Gamma-BHC	0.13	U	ng/L	P428666	
		Gamma-Chlordane	0.21	U	ng/L	P428666	
		Heptachlor	0.21	U	ng/L	P428666	
		Heptachlor Epoxide	0.26	U	ng/L	P428666	
		Hexachlorobenzene**	1.0	U	ng/L	P428666	
		Kepone	5.1	UJ	ng/L	P428666	CCV
		Lambda-Cyhalothrin	0.77	U	ng/L	P428666	
		Methoprene	0.77	U	ng/L	P428666	
		Methoxychlor	0.31	U	ng/L	P428666	
		MGK-264	0.21	U	ng/L	P428666	
		Mirex	0.36	U	ng/L	P428666	
		Oxychlordane	0.31	U	ng/L	P428666	
		Permethrin	1.6	U	ng/L	P428666	
		Phenothrin	0.92	U	ng/L	P428666	
		Piperonyl Butoxide	0.60	I	ng/L	P428666	
		Prallethrin	2.1	U	ng/L	P428666	
		Tau-Fluvalinate	0.26	U	ng/L	P428666	
		Tetramethrin	0.77	U	ng/L	P428666	
		Trans-Nonachlor	0.21	U	ng/L	P428666	
		Triclosan Methyl	0.15	U	ng/L	P428666	
		Trifluralin	0.21	U	ng/L	P428666	

Field ID: G2CE0075

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2400883	EPA 8276	Chlordane	2.1	U	ng/L	P428666	
		Toxaphene	15	U	ng/L	P428666	

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P428618

Component	Result	Code	Units
Acetochlor	0.20	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.20	U	ng/L
Butylate	0.20	U	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Cyprodinil	0.20	U	ng/L
Demeton	3.5	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethion	0.30	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P428618

Component	Result	Code	Units
Ethoprop	0.12	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Fonofos	0.15	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Naled	2.5	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P428618

Component	Result	Code	Units
Napropamide	0.70	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Norflurazon	1.0	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
Parathion Methyl	0.20	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Phenytol	5.3	U	ng/L
Phenytol	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prodiamine	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbufos	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Thiobencarb	0.50	U	ng/L
Thiobencarb	0.50	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P428618

Component	Result	Code	Units
Triadimefon	0.15	U	ng/L
Triadimefon	0.15	U	ng/L

Reference Method: EPA 8270E
Batch ID: P428666

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
Carbophenothion	0.90	U	ng/L
Carbophenothion	0.90	U	ng/L
Chlorothalonil	3.6	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.25	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
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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P428666

Component	Result	Code	Units
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
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	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	0.35	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P428666

Component	Result	Code	Units
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 8270E

Batch ID: P429237

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Avobenzene	100	U	ng/L
Avobenzene	100	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
PBB-153	8.0	U	ng/L
PBB-153	8.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P429237

Component	Result	Code	Units
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L

Reference Method: EPA 8276

Batch ID: P428666

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

Reference Method: EPA 8321B

Batch ID: P428613

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: P428689

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P428689

Component	Result	Code	Units
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: P428762

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: P428618

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	72.8		P	69 - 123
Alachlor	106		P	65 - 118
Ametryn	107		P	58 - 141
Atrazine	98.3		P	73 - 118
Atrazine Desethyl	90.1		P	32 - 125
Azinphos Methyl	116		P	36 - 197
Azoxystrobin	104		P	58 - 226
Bromacil	112		P	48 - 120
Butylate	61.8		P	27 - 85.0
Carbophenothion	111		P	54 - 132
Carfentrazone Ethyl	127		P	60 - 142
Chlorfenapyr	65.0		P	53 - 117
Chlorpyrifos Ethyl	82.6		P	59 - 116
Chlorpyrifos Methyl	96.1		P	66 - 119
Coumaphos	137		P	11 - 234
Cyanazine	131		P	61 - 248
Cyprodinil	91.3		P	50 - 147
Demeton	76.3		P	30 - 138
Diazinon	118		P	67 - 126
Difenoconazole	111		P	38 - 205
Dimethenamid	108		P	57 - 111
Dimethomorph	83.3		P	16 - 212
Disulfoton	108		P	46 - 126
Dithiopyr	107		P	62 - 115
EPTC	60.9		P	28 - 80.0
Ethion	106		P	24 - 122
Ethoprop	101		P	62 - 113
Etridiazole	66.5		P	28 - 92.0
Fenamiphos	77.7		P	57 - 128
Fenbuconazole	79.5		P	52 - 155
Fipronil	75.5		P	63 - 130
Fipronil Desulfinyl	94.6		P	61 - 130
Fipronil Sulfide	89.0		P	56 - 117
Fipronil Sulfone	107		P	52 - 118
Fluazifop-P-butyl	70.7		P	61 - 128
Fludioxonil	83.7		P	59 - 129
Flumioxazin	183		P	30 - 250
Flutolanil	82.5		P	53 - 127
Fluxapyroxad	103		P	42 - 132
Fonofos	83.3		P	61 - 110
Hexazinone	96.1		P	46 - 139
Imazalil	77.2		P	40 - 139
Iprodione	91.3		P	40 - 146
Loratadine	140		P	10 - 224
Malathion	96.5		P	61 - 135
Metaxyl	107		P	58 - 121
Metolachlor	90.5		P	64 - 118
Metribuzin	109		P	45 - 245
Mevinphos	88.7		P	49 - 118
Molinate	61.0		P	42 - 92.0
Myclobutanil	110		P	55 - 127
Naled	43.5		P	10 - 114

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P428618

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Napropamide	79.9		P	39 - 121
Norflurazon	104		P	55 - 129
Oxadiazon	92.5		P	54 - 115
Oxyfluorfen	96.8		P	64 - 139
Parathion Ethyl	93.8		P	70 - 111
Parathion Methyl	108		P	76 - 136
Pendimethalin	135		F	52 - 118
Phenytol	127		P	10 - 162
Phorate	96.3		P	40 - 122
Prodiamine	68.8		P	26 - 141
Prometon	102		P	54 - 122
Prometryn	126		P	61 - 128
Pronamide	114		P	72 - 121
Propanil	122		P	45 - 144
Propargite	108		P	10 - 199
Propiconazole	70.3		P	56 - 127
Pyraflufen Ethyl	57.3		P	56 - 140
Pyridaben	80.5		P	26 - 211
Pyriproxyfen	122		P	33 - 194
Simazine	80.5		P	67 - 121
Stirophos	97.3		P	20 - 142
Sulfentrazone	104		P	21 - 144
Tebuconazole	90.6		P	10 - 122
Terbufos	117		P	60 - 129
Terbuthylazine	82.8		P	69 - 113
Thiobencarb	110		P	51 - 120
Triadimefon	95.1		P	56 - 114

Reference Method: EPA 8270E

Batch ID: P428666

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	37.0		P	10 - 92.0
Alpha-BHC	81.0		P	75 - 107
Alpha-Chlordane	77.0		P	50 - 108
Beta-BHC	92.2		P	36 - 138
Beta-Cyfluthrin	69.7		P	20 - 161
Bifenthrin	49.4		P	10 - 119
Carbophenothion	44.0		P	19 - 94.0
Chlorothalonil	80.9		P	26 - 186
Cis-Nonachlor	65.5		P	42 - 119
Cypermethrin	71.0		P	22 - 150
Dacthal	87.2		P	72 - 119
DDD-p,p'	68.5		P	45 - 107
DDE-p,p'	70.0		P	48 - 106
DDT-p,p'	65.6		P	48 - 110
Delta-BHC	94.2		P	54 - 140
Deltamethrin	78.7		P	22 - 189
Dichlobenil	52.1		P	36 - 117
Dicofol	71.4		P	46 - 155
Dieldrin	77.1		P	54 - 110
Endosulfan I	73.7		P	59 - 105

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P428666

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Endosulfan II	78.8		P	51 - 118
Endosulfan Sulfate	78.1		P	57 - 121
Endrin	77.5		P	10 - 120
Endrin Aldehyde	70.6		P	34 - 118
Endrin Ketone	100		P	69 - 177
Esfenvalerate	66.1		P	23 - 168
Ethalfuralin	64.3		P	49 - 99.0
Fenpropathrin	68.8		P	34 - 117
Gamma-BHC	82.8		P	72 - 117
Gamma-Chlordane	71.8		P	43 - 106
Heptachlor	51.3		P	41 - 98.0
Heptachlor Epoxide	79.3		P	57 - 106
Hexachlorobenzene	46.3		P	36 - 99.0
Kepone	42.4		P	16 - 215
Lambda-Cyhalothrin	54.8		P	21 - 177
Methoprene	53.7		P	10 - 119
Methoxychlor	79.3		P	60 - 112
MGK-264	73.3		P	26 - 122
Mirex	48.2		P	10 - 169
Oxychlordane	67.1		P	43 - 105
PCB-1016	72.4		P	48 - 112
PCB-1260	54.8		P	44 - 118
Permethrin	65.2		P	24 - 148
Phenothrin	48.9		P	10 - 106
Piperonyl Butoxide	89.2		P	10 - 139
Prallethrin	61.4		P	17 - 109
Tau-Fluvalinate	53.8		P	13 - 131
Tetramethrin	67.2		P	10 - 132
Trans-Nonachlor	69.6		P	44 - 106
Triclosan Methyl	77.2		P	59 - 109
Trifluralin	68.5		P	44 - 101

Reference Method: EPA 8270E

Batch ID: P429237

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	70.6		P	42 - 162
Avobenzene	99.8		P	40 - 203
Caffeine	97.4		P	40 - 137
Dechlorane 602	72.6		P	50 - 150
Dechlorane 603	87.3		P	50 - 150
Dechlorane Plus	102		P	47 - 182
Hexabromobenzene	101		P	50 - 150
Octinoxate	104		P	26 - 166
Oxybenzone	106		P	49 - 135
PBB-153	83.3		P	50 - 150
PBDE-47	91.8		P	41 - 148
PBDE-99	68.5		P	38 - 147
Pentabromotoluene	96.2		P	50 - 150
Tetradecachloro-m-terphenyl	140		P	70 - 200
Tri-o-cresyl Phosphate	98.7		P	49 - 150
Tris(1-chloro-2-propyl) phosphate (TCPP)	130		P	50 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P429237

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	93.7		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	105		P	70 - 180

Reference Method: EPA 8276
Batch ID: P428666

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	75.5		P	61 - 116
Toxaphene	92.6		P	48 - 124

Reference Method: EPA 8321B
Batch ID: P428613

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	112		P	40 - 150
AMPA	119		P	40 - 150
Endothall	92.8		P	40 - 150
Glufosinate	93.7		P	40 - 150
Glyphosate	119		P	40 - 150
Sucralose	99.5		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P428689

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	112		P	40 - 150
2,4,5-T	90.5		P	40 - 150
Acetaminophen	86.5		P	30 - 150
Acetamiprid	79.8		P	40 - 150
Afidopyropen	53.3		P	30 - 150
Bentazon	110		P	30 - 150
Benzovindiflupyr	79.9		P	40 - 150
Carbamazepine	91.8		P	40 - 150
Clothianidin	102		P	40 - 150
Dinotefuran	103		P	40 - 150
Diuron	92.5		P	40 - 150
Fenuron	93.0		P	40 - 150
Fluridone	89.2		P	40 - 150
Hydrocodone	94.5		P	40 - 150
Ibuprofen	75.9		P	40 - 150
Imazapyr	98.2		P	40 - 150
Imidacloprid	87.1		P	40 - 150
Linuron	88.9		P	40 - 150
Mandestrobin	84.2		P	40 - 150
MCPP	115		P	40 - 150
Naproxen	72.9		P	40 - 150
Primidone	89.3		P	40 - 150
Pyraclostrobin	80.8		P	40 - 150
Silvex	105		P	40 - 150
Thiamethoxam	96.9		P	40 - 150
Tolfenpyrad	50.2		P	30 - 150
Triclopyr	104		P	40 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P428762

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	88.6		P	40 - 150
Aldicarb	41.0		P	30 - 150
Aldicarb Sulfone	99.6		P	40 - 150
Aldicarb Sulfoxide	143		P	40 - 150
Carbaryl	92.1		P	40 - 150
Carbofuran	85.6		P	40 - 150
Methiocarb	77.2		P	40 - 150
Methomyl	91.4		P	40 - 150
Oxamyl	96.5		P	40 - 150
Propoxur	76.5		P	40 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P428618

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400840	Acetochlor	87.1	89.6	P/P	67 - 124
2400840	Alachlor	97.7	105	P/P	60 - 120
2400840	Ametryn	115	112	P/P	54 - 216
2400840	Atrazine Desethyl	87.7	79.3	P/P	15 - 122
2400840	Azinphos Methyl	116	119	P/P	40 - 292
2400840	Azoxystrobin	101	138	P/P	35 - 220
2400840	Bromacil	111	122	P/P	45 - 127
2400840	Butylate	58.0	50.0	P/P	20 - 83.0
2400840	Carbophenothion	113	104	P/P	57 - 127
2400840	Carfentrazone Ethyl	127	115	P/P	51 - 141
2400840	Chlorpyrifos Ethyl	75.3	72.9	P/P	52 - 120
2400840	Chlorpyrifos Methyl	101	102	P/P	63 - 119
2400840	Coumaphos	150	129	P/P	10 - 228
2400840	Cyanazine	132	128	P/P	59 - 241
2400840	Cyprodinil	104	107	P/P	47 - 146
2400840	Demeton	105	103	P/P	40 - 136
2400840	Diazinon	123	115	P/P	69 - 132
2400840	Difenoconazole	131	93.2	P/P	57 - 258
2400840	Dimethenamid	120	104	F/P	54 - 110
2400840	Dimethomorph	136	139	P/P	28 - 210
2400840	Disulfoton	115	113	P/P	43 - 133
2400840	Dithiopyr	98.5	85.6	P/P	39 - 116
2400840	EPTC	54.5	45.4	P/P	20 - 78.0
2400840	Ethion	114	98.0	P/P	17 - 119
2400840	Ethoprop	92.7	101	P/P	66 - 120
2400840	Etridiazole	71.7	61.4	P/P	28 - 96.0
2400840	Fenamiphos	96.3	103	P/P	41 - 126
2400840	Fenbuconazole	83.8	81.3	P/P	42 - 169
2400840	Fluazifop-P-butyl	63.3	67.6	P/P	53 - 131
2400840	Fludioxonil	74.7	68.4	P/P	56 - 127
2400840	Flumioxazin	202	153	P/P	19 - 300
2400840	Flutolanil	103	106	P/P	41 - 127
2400840	Fluxapyroxad	114	85.2	P/P	42 - 172
2400840	Fonofos	108	75.4	P/P	59 - 113
2400840	Hexazinone	117	96.6	P/P	66 - 122
2400840	Imazalil	140	139	P/P	21 - 283
2400840	Iprodione	105	91.9	P/P	43 - 150
2400840	Loratadine	166	148	P/P	23 - 201
2400840	Malathion	115	96.8	P/P	58 - 136
2400840	Metalaxyl	90.4	85.7	P/P	55 - 120
2400840	Metolachlor	97.5	106	P/P	57 - 121
2400840	Metribuzin	99.1	106	P/P	58 - 294
2400840	Mevinphos	95.6	96.1	P/P	50 - 126
2400840	Molinate	57.5	57.0	P/P	42 - 93.0
2400840	Myclobutanil	115	101	P/P	55 - 125
2400840	Naled	50.6	49.6	P/P	18 - 200
2400840	Napropamide	91.1	70.9	P/P	39 - 110
2400840	Norflurazon	116	99.6	P/P	48 - 128
2400840	Oxadiazon	87.9	81.4	P/P	43 - 112
2400840	Oxyfluorfen	110	103	P/P	64 - 153
2400840	Parathion Ethyl	103	107	P/P	69 - 114
2400840	Parathion Methyl	116	118	P/P	79 - 139

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P428618

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400840	Pendimethalin	119	89.6	P/P	50 - 139
2400840	Phorate	142	149	P/P	54 - 161
2400840	Prodiamine	81.4	70.6	P/P	30 - 161
2400840	Prometon	111	103	P/P	45 - 134
2400840	Prometryn	128	129	P/P	45 - 137
2400840	Pronamide	137	134	F/F	65 - 133
2400840	Propanil	119	116	P/P	49 - 142
2400840	Propargite	101	86.0	P/P	10 - 203
2400840	Propiconazole	107	111	P/P	38 - 146
2400840	Pyraflufen Ethyl	58.6	63.5	P/P	34 - 153
2400840	Pyridaben	118	122	P/P	12 - 192
2400840	Pyriproxyfen	124	103	P/P	33 - 180
2400840	Stiropfos	105	60.7	P/P	10 - 128
2400840	Sulfentrazone	119	103	P/P	53 - 186
2400840	Tebuconazole	120	43.7	P/P	10 - 133
2400840	Terbufos	134	137	P/P	65 - 139
2400840	Terbuthylazine	101	95.4	P/P	66 - 117
2400840	Thiobencarb	101	111	P/P	51 - 119
2400840	Triadimefon	95.8	102	P/P	48 - 119

Reference Method: EPA 8270E

Batch ID: P428666

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2401168	Aldrin	49.7	42.6	P/P	20 - 82.0
2401168	Alpha-BHC	89.3	86.9	P/P	71 - 109
2401168	Alpha-Chlordane	73.6	71.2	P/P	42 - 106
2401168	Beta-BHC	107	105	P/P	69 - 180
2401168	Beta-Cyfluthrin	77.9	72.9	P/P	18 - 175
2401168	Bifenthrin	62.2	52.5	P/P	21 - 128
2401168	Carbophenothion	59.9	47.1	P/P	10 - 126
2401168	Chlorothalonil	87.6	83.9	P/P	10 - 300
2401168	Cis-Nonachlor	65.0	53.3	P/P	34 - 106
2401168	Cypermethrin	77.7	70.0	P/P	22 - 158
2401168	Dacthal	90.7	86.7	P/P	54 - 116
2401168	DDD-p,p'	66.5	54.0	P/P	34 - 107
2401168	DDE-p,p'	69.9	58.3	P/P	33 - 110
2401168	DDT-p,p'	68.9	62.4	P/P	50 - 122
2401168	Delta-BHC	104	104	P/P	77 - 193
2401168	Deltamethrin	82.3	81.4	P/P	10 - 195
2401168	Dichlobenil	67.3	58.2	P/P	25 - 113
2401168	Dicofol	74.6	62.7	P/P	38 - 247
2401168	Dieldrin	74.8	65.9	P/P	45 - 118
2401168	Endosulfan I	74.5	66.3	P/P	51 - 106
2401168	Endosulfan II	76.4	68.4	P/P	37 - 122
2401168	Endosulfan Sulfate	80.6	73.5	P/P	43 - 132
2401168	Endrin	76.1	68.3	P/P	29 - 101
2401168	Endrin Aldehyde	74.7	64.8	P/P	19 - 110
2401168	Endrin Ketone	103	102	P/P	60 - 140
2401168	Esfenvalerate	75.4	75.1	P/P	26 - 199
2401168	Ethalfuralin	71.4	61.4	P/P	45 - 99.0
2401168	Fenpropathrin	77.5	67.7	P/P	35 - 120

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P428666

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2401168	Gamma-BHC	100	96.7	P/P	63 - 128
2401168	Gamma-Chlordane	73.5	62.8	P/P	40 - 104
2401168	Heptachlor	63.3	54.0	P/P	36 - 97.0
2401168	Heptachlor Epoxide	78.3	75.7	P/P	49 - 184
2401168	Hexachlorobenzene	54.8	50.7	P/P	39 - 96.0
2401168	Kepone	87.7	75.3	P/P	10 - 217
2401168	Lambda-Cyhalothrin	72.3	65.6	P/P	21 - 193
2401168	Methoprene	60.5	50.1	P/P	20 - 106
2401168	Methoxychlor	81.1	78.7	P/P	53 - 118
2401168	MGK-264	81.9	85.7	P/P	40 - 118
2401168	Mirex	57.8	44.8	P/P	26 - 92.0
2401168	Oxychlordane	73.9	61.0	P/P	44 - 99.0
2401168	Permethrin	70.2	66.5	P/P	33 - 182
2401168	Phenothrin	60.5	61.6	P/P	10 - 129
2401168	Piperonyl Butoxide	92.2	84.1	P/P	10 - 211
2401168	Prallethrin	67.2	60.2	P/P	24 - 113
2401168	Tau-Fluvalinate	72.9	67.9	P/P	14 - 149
2401168	Tetramethrin	70.6	71.6	P/P	17 - 151
2401168	Trans-Nonachlor	67.0	61.8	P/P	42 - 102
2401168	Triclosan Methyl	73.9	63.3	P/P	48 - 108
2401168	Trifluralin	70.7	63.1	P/P	47 - 96.0
2401257	PCB-1016	77.1	72.3	P/P	46 - 111
2401257	PCB-1260	52.6	48.4	P/P	45 - 114

Reference Method: EPA 8270E

Batch ID: P429237

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2404643	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	72.0	109	P/P	26 - 165
2404643	Avobenzene	98.0	165	P/P	37 - 178
2404643	Caffeine	74.1	72.8	P/P	10 - 194
2404643	Dechlorane 602	61.2	86.0	P/P	50 - 150
2404643	Dechlorane 603	81.1	117	P/P	50 - 150
2404643	Dechlorane Plus	104	89.5	P/P	50 - 150
2404643	Hexabromobenzene	104	123	P/P	50 - 150
2404643	Octinoxate	101	114	P/P	21 - 159
2404643	Oxybenzone	104	123	P/P	41 - 142
2404643	PBB-153	77.3	130	P/P	50 - 150
2404643	PBDE-47	84.8	101	P/P	27 - 144
2404643	PBDE-99	57.2	91.1	P/P	18 - 150
2404643	Pentabromotoluene	97.7	111	P/P	50 - 150
2404643	Tetradecachloro-m-terphenyl	151	183	P/P	70 - 200
2404643	Tri-o-cresyl Phosphate	96.1	115	P/P	31 - 144
2404643	Tris(1-chloro-2-propyl) phosphate (TCPP)	150	84.9	F/P	50 - 150
2404643	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	89.2	101	P/P	50 - 150
2404643	Tris(2-chloroethyl) phosphate (TCEP)	101	107	P/P	70 - 180

Reference Method: EPA 8276

Batch ID: P428666

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2401257	Chlordane	69.1	68.5	P/P	53 - 126

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8276

Batch ID: P428666

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2401257	Toxaphene	82.8	86.9	P/P	56 - 211

Reference Method: EPA 8321B

Batch ID: P428613

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400874	Acesulfame K	101	102	P/P	40 - 150
2400874	AMPA	95.2	98.5	P/P	40 - 150
2400874	Endothall	95.6	98.8	P/P	40 - 150
2400874	Glufosinate	89.3	89.3	P/P	40 - 150
2400874	Glyphosate	92.4	90.9	P/P	40 - 150
2400874	Sucralose	99.4	98.6	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P428689

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2400932	2,4-D	136	143	P/P	40 - 150
2400932	2,4,5-T	125	134	P/P	40 - 150
2400932	Acetaminophen	91.8	95.6	P/P	30 - 150
2400932	Acetamiprid	90.2	95.3	P/P	40 - 150
2400932	Afidopyrophen	77.8	74.3	P/P	30 - 150
2400932	Bentazon	104	106	P/P	30 - 150
2400932	Benzovindiflupyr	78.4	84.4	P/P	40 - 150
2400932	Carbamazepine	84.9	84.8	P/P	40 - 150
2400932	Clothianidin	106	109	P/P	40 - 150
2400932	Dinotefuran	94.7	101	P/P	40 - 150
2400932	Diuron	80.6	80.1	P/P	40 - 150
2400932	Fenuron	81.5	85.6	P/P	40 - 150
2400932	Fluridone	83.8	91.3	P/P	40 - 150
2400932	Hydrocodone	77.4	82.4	P/P	40 - 150
2400932	Ibuprofen	66.5	84.2	P/P	40 - 150
2400932	Imazapyr	120	114	P/P	40 - 150
2400932	Imidacloprid	100	105	P/P	40 - 150
2400932	Linuron	75.6	83.0	P/P	40 - 150
2400932	Mandestrobin	86.9	93.0	P/P	40 - 150
2400932	MCPP	142	145	P/P	40 - 150
2400932	Naproxen	72.5	92.2	P/P	40 - 150
2400932	Primidone	91.6	96.3	P/P	40 - 150
2400932	Pyraclostrobin	78.9	84.0	P/P	40 - 150
2400932	Silvex	110	117	P/P	40 - 150
2400932	Thiamethoxam	96.4	99.0	P/P	40 - 150
2400932	Tolfenpyrad	46.2	50.7	P/P	30 - 150
2400932	Triclopyr	134	140	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P428762

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2401683	3-Hydroxycarbofuran	86.4	97.9	P/P	40 - 150
2401683	Aldicarb	47.9	47.5	P/P	30 - 150
2401683	Aldicarb Sulfone	94.8	95.6	P/P	40 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P428762

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2401683	Aldicarb Sulfoxide	39.5	40.2	F/P	40 - 150
2401683	Carbaryl	73.3	71.8	P/P	40 - 150
2401683	Carbofuran	59.0	59.7	P/P	40 - 150
2401683	Methiocarb	74.4	64.3	P/P	40 - 150
2401683	Methomyl	65.4	68.6	P/P	40 - 150
2401683	Oxamyl	84.2	87.9	P/P	40 - 150
2401683	Propoxur	55.8	53.4	P/P	40 - 150

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P428618

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400840	Acetochlor	2.78	Spike	P	0 - 28
2400840	Alachlor	7.55	Spike	P	0 - 30
2400840	Ametryn	2.88	Spike	P	0 - 32
2400840	Atrazine	3.09	Spike	P	0 - 41
2400840	Atrazine Desethyl	8.09	Spike	P	0 - 36
2400840	Azinphos Methyl	2.08	Spike	P	0 - 75
2400840	Azoxystrobin	25.7	Spike	P	0 - 39
2400840	Bromacil	8.43	Spike	P	0 - 33
2400840	Butylate	14.8	Spike	P	0 - 44
2400840	Carbophenothion	8.14	Spike	P	0 - 25
2400840	Carfentrazone Ethyl	9.59	Spike	P	0 - 27
2400840	Chlorfenapyr	9.29	Spike	P	0 - 24
2400840	Chlorpyrifos Ethyl	3.26	Spike	P	0 - 26
2400840	Chlorpyrifos Methyl	0.926	Spike	P	0 - 26
2400840	Coumaphos	14.8	Spike	P	0 - 28
2400840	Cyanazine	2.44	Spike	P	0 - 48
2400840	Cyprodinil	2.75	Spike	P	0 - 29
2400840	Demeton	1.67	Spike	P	0 - 33
2400840	Diazinon	7.13	Spike	P	0 - 29
2400840	Difenoconazole	33.5	Spike	P	0 - 34
2400840	Dimethenamid	13.9	Spike	P	0 - 39
2400840	Dimethomorph	1.97	Spike	P	0 - 51
2400840	Disulfoton	1.67	Spike	P	0 - 30
2400840	Dithiopyr	14.0	Spike	P	0 - 26
2400840	EPTC	18.3	Spike	P	0 - 43
2400840	Ethion	15.3	Spike	P	0 - 79
2400840	Ethoprop	8.46	Spike	P	0 - 29
2400840	Etridiazole	15.5	Spike	P	0 - 33
2400840	Fenamiphos	7.21	Spike	P	0 - 40
2400840	Fenbuconazole	3.11	Spike	P	0 - 74
2400840	Fipronil	12.0	Spike	P	0 - 29
2400840	Fipronil Desulfinyl	2.89	Spike	P	0 - 32
2400840	Fipronil Sulfide	8.23	Spike	P	0 - 30
2400840	Fipronil Sulfone	14.8	Spike	P	0 - 33
2400840	Fluazifop-P-butyl	6.59	Spike	P	0 - 38
2400840	Fludioxonil	4.26	Spike	P	0 - 29
2400840	Flumioxazin	27.5	Spike	P	0 - 51
2400840	Flutolanil	2.67	Spike	P	0 - 25
2400840	Fluxapyroxad	28.5	Spike	P	0 - 45
2400840	Fonofos	35.5	Spike	F	0 - 27
2400840	Hexazinone	14.7	Spike	P	0 - 30
2400840	Imazalil	0.981	Spike	P	0 - 100
2400840	Iprodione	13.3	Spike	P	0 - 33
2400840	Loratadine	8.27	Spike	P	0 - 56
2400840	Malathion	16.8	Spike	P	0 - 37
2400840	Metalaxyl	5.37	Spike	P	0 - 40
2400840	Metolachlor	8.20	Spike	P	0 - 29
2400840	Metribuzin	6.46	Spike	P	0 - 45
2400840	Mevinphos	0.509	Spike	P	0 - 29
2400840	Molinate	0.855	Spike	P	0 - 33
2400840	Myclobutanil	12.8	Spike	P	0 - 26

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P428618

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400840	Naled	1.88	Spike	P	0 - 37
2400840	Napropamide	24.9	Spike	P	0 - 44
2400840	Norflurazon	15.6	Spike	P	0 - 30
2400840	Oxadiazon	7.66	Spike	P	0 - 28
2400840	Oxyfluorfen	6.64	Spike	P	0 - 28
2400840	Parathion Ethyl	3.16	Spike	P	0 - 31
2400840	Parathion Methyl	1.57	Spike	P	0 - 29
2400840	Pendimethalin	28.0	Spike	P	0 - 33
2400840	Phenytol	23.5	Spike	P	0 - 100
2400840	Phorate	4.90	Spike	P	0 - 36
2400840	Prodiamine	14.2	Spike	P	0 - 71
2400840	Prometon	7.92	Spike	P	0 - 36
2400840	Prometryn	0.903	Spike	P	0 - 28
2400840	Pronamide	2.64	Spike	P	0 - 24
2400840	Propanil	2.23	Spike	P	0 - 28
2400840	Propargite	15.6	Spike	P	0 - 43
2400840	Propiconazole	3.92	Spike	P	0 - 33
2400840	Pyraflufen Ethyl	7.88	Spike	P	0 - 29
2400840	Pyridaben	3.72	Spike	P	0 - 30
2400840	Pyriproxyfen	18.9	Spike	P	0 - 79
2400840	Simazine	2.44	Spike	P	0 - 29
2400840	Stirophos	53.9	Spike	P	0 - 61
2400840	Sulfentrazone	8.25	Spike	P	0 - 33
2400840	Tebuconazole	56.8	Spike	P	0 - 69
2400840	Terbufos	2.37	Spike	P	0 - 29
2400840	Terbuthylazine	5.50	Spike	P	0 - 32
2400840	Thiobencarb	10.1	Spike	P	0 - 26
2400840	Triadimefon	6.40	Spike	P	0 - 28

Reference Method: EPA 8270E

Batch ID: P428666

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2401168	Aldrin	15.3	Spike	P	0 - 41
2401168	Alpha-BHC	2.71	Spike	P	0 - 25
2401168	Alpha-Chlordane	3.37	Spike	P	0 - 33
2401168	Beta-BHC	1.14	Spike	P	0 - 36
2401168	Beta-Cyfluthrin	6.59	Spike	P	0 - 42
2401168	Bifenthrin	17.0	Spike	P	0 - 53
2401168	Carbophenothion	23.8	Spike	P	0 - 49
2401168	Chlorothalonil	4.34	Spike	P	0 - 71
2401168	Cis-Nonachlor	19.8	Spike	P	0 - 29
2401168	Cypermethrin	10.5	Spike	P	0 - 40
2401168	Dacthal	4.47	Spike	P	0 - 26
2401168	DDD-p,p'	20.9	Spike	P	0 - 39
2401168	DDE-p,p'	18.0	Spike	P	0 - 33
2401168	DDT-p,p'	10.0	Spike	P	0 - 40
2401168	Delta-BHC	0.0256	Spike	P	0 - 37
2401168	Deltamethrin	1.13	Spike	P	0 - 100
2401168	Dichlobenil	14.6	Spike	P	0 - 40

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P428666

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2401168	Dicofol	17.4	Spike	P	0 - 31
2401168	Dieldrin	12.7	Spike	P	0 - 27
2401168	Endosulfan I	11.7	Spike	P	0 - 23
2401168	Endosulfan II	11.0	Spike	P	0 - 28
2401168	Endosulfan Sulfate	9.19	Spike	P	0 - 38
2401168	Endrin	10.8	Spike	P	0 - 63
2401168	Endrin Aldehyde	14.1	Spike	P	0 - 60
2401168	Endrin Ketone	0.892	Spike	P	0 - 37
2401168	Esfenvalerate	0.419	Spike	P	0 - 52
2401168	Ethalfuralin	15.1	Spike	P	0 - 23
2401168	Fenpropathrin	13.5	Spike	P	0 - 32
2401168	Gamma-BHC	3.80	Spike	P	0 - 17
2401168	Gamma-Chlordane	15.7	Spike	P	0 - 40
2401168	Heptachlor	15.8	Spike	P	0 - 29
2401168	Heptachlor Epoxide	3.34	Spike	P	0 - 25
2401168	Hexachlorobenzene	7.72	Spike	P	0 - 36
2401168	Kepone	15.2	Spike	P	0 - 93
2401168	Lambda-Cyhalothrin	9.59	Spike	P	0 - 55
2401168	Methoprene	18.8	Spike	P	0 - 53
2401168	Methoxychlor	3.04	Spike	P	0 - 29
2401168	MGK-264	4.54	Spike	P	0 - 35
2401168	Mirex	25.3	Spike	P	0 - 46
2401168	Oxychlordane	19.2	Spike	P	0 - 29
2401168	Permethrin	5.37	Spike	P	0 - 44
2401168	Phenothrin	1.80	Spike	P	0 - 56
2401168	Piperonyl Butoxide	9.20	Spike	P	0 - 100
2401168	Prallethrin	11.0	Spike	P	0 - 42
2401168	Tau-Fluvalinate	7.02	Spike	P	0 - 54
2401168	Tetramethrin	1.41	Spike	P	0 - 51
2401168	Trans-Nonachlor	8.08	Spike	P	0 - 37
2401168	Triclosan Methyl	15.4	Spike	P	0 - 31
2401168	Trifluralin	11.3	Spike	P	0 - 30
2401257	PCB-1016	6.46	Spike	P	0 - 32
2401257	PCB-1260	8.42	Spike	P	0 - 31

Reference Method: EPA 8270E

Batch ID: P429237

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2404643	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	41.0	Spike	F	0 - 37
2404643	Avobenzene	50.7	Spike	F	0 - 36
2404643	Caffeine	1.15	Spike	P	0 - 74
2404643	Dechlorane 602	33.7	Spike	F	0 - 30
2404643	Dechlorane 603	36.2	Spike	F	0 - 30
2404643	Dechlorane Plus	14.7	Spike	P	0 - 30
2404643	Hexabromobenzene	16.8	Spike	P	0 - 30
2404643	Octinoxate	11.5	Spike	P	0 - 45
2404643	Oxybenzone	17.0	Spike	P	0 - 46
2404643	PBB-153	50.8	Spike	F	0 - 30
2404643	PBDE-47	17.7	Spike	P	0 - 36

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P429237

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2404643	PBDE-99	45.8	Spike	F	0 - 40
2404643	Pentabromotoluene	12.4	Spike	P	0 - 30
2404643	Tetradecachloro-m-terphenyl	18.8	Spike	P	0 - 30
2404643	Tri-o-cresyl Phosphate	18.1	Spike	P	0 - 33
2404643	Tris(1-chloro-2-propyl) phosphate (TCPP)	50.0	Spike	F	0 - 30
2404643	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	11.8	Spike	P	0 - 30
2404643	Tris(2-chloroethyl) phosphate (TCEP)	5.95	Spike	P	0 - 30

Reference Method: EPA 8276

Batch ID: P428666

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2401257	Chlordane	0.942	Spike	P	0 - 25
2401257	Toxaphene	4.86	Spike	P	0 - 26

Reference Method: EPA 8321B

Batch ID: P428613

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400874	Acesulfame K	1.17	Spike	P	0 - 30
2400874	AMPA	3.12	Spike	P	0 - 30
2400874	Endothall	3.29	Spike	P	0 - 30
2400874	Glufosinate	0.0219	Spike	P	0 - 30
2400874	Glyphosate	1.15	Spike	P	0 - 30
2400874	Sucralose	0.682	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P428689

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400932	2,4-D	4.92	Spike	P	0 - 30
2400932	2,4,5-T	7.17	Spike	P	0 - 30
2400932	Acetaminophen	3.98	Spike	P	0 - 30
2400932	Acetamiprid	5.50	Spike	P	0 - 30
2400932	Afidopyropen	4.60	Spike	P	0 - 30
2400932	Bentazon	1.96	Spike	P	0 - 30
2400932	Benzovindiflupyr	7.45	Spike	P	0 - 30
2400932	Carbamazepine	0.165	Spike	P	0 - 30
2400932	Clothianidin	3.58	Spike	P	0 - 30
2400932	Dinotefuran	6.91	Spike	P	0 - 30
2400932	Diuron	0.687	Spike	P	0 - 30
2400932	Fenuron	4.97	Spike	P	0 - 30
2400932	Fluridone	8.61	Spike	P	0 - 30
2400932	Hydrocodone	6.26	Spike	P	0 - 30
2400932	Ibuprofen	23.5	Spike	P	0 - 30
2400932	Imazapyr	4.40	Spike	P	0 - 30
2400932	Imidacloprid	5.25	Spike	P	0 - 30
2400932	Linuron	9.29	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P428689

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2400932	Mandestrobin	6.80	Spike	P	0 - 30
2400932	MCP	2.19	Spike	P	0 - 30
2400932	Naproxen	23.9	Spike	P	0 - 30
2400932	Primidone	4.97	Spike	P	0 - 30
2400932	Pyraclostrobin	6.25	Spike	P	0 - 30
2400932	Silvex	6.28	Spike	P	0 - 30
2400932	Thiamethoxam	2.67	Spike	P	0 - 30
2400932	Tolfenpyrad	9.20	Spike	P	0 - 30
2400932	Triclopyr	4.03	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P428762

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2401683	3-Hydroxycarbofuran	12.4	Spike	P	0 - 30
2401683	Aldicarb	0.797	Spike	P	0 - 30
2401683	Aldicarb Sulfone	0.902	Spike	P	0 - 30
2401683	Aldicarb Sulfoxide	1.76	Spike	P	0 - 30
2401683	Carbaryl	2.09	Spike	P	0 - 30
2401683	Carbofuran	1.28	Spike	P	0 - 30
2401683	Methiocarb	14.6	Spike	P	0 - 30
2401683	Methomyl	4.83	Spike	P	0 - 30
2401683	Oxamyl	4.21	Spike	P	0 - 30
2401683	Propoxur	4.49	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2400873
Field Sample ID: G2CE0271

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	54.2	P	30 - 160

Lab Sample ID: 2400874
Field Sample ID: G2CE0271

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	96.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	86.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	64.6	P	30 - 160
EPA 8321B	Diuron-d6	62.0	P	30 - 160
EPA 8321B	Endothall-d6	116	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	102	P	30 - 160
EPA 8321B	Ibuprofen-d3	71.4	P	30 - 160
EPA 8321B	Primidone-d5	86.9	P	30 - 160
EPA 8321B	Sucralose-d6	110	P	30 - 160

Lab Sample ID: 2400875
Field Sample ID: G2CE0075

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	91.1	P	30 - 160
EPA 8321B	Acetaminophen-d4	80.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	69.5	P	30 - 160
EPA 8321B	Diuron-d6	57.1	P	30 - 160
EPA 8321B	Endothall-d6	110	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	155	P	30 - 160
EPA 8321B	Ibuprofen-d3	65.5	P	30 - 160
EPA 8321B	Primidone-d5	84.7	P	30 - 160
EPA 8321B	Sucralose-d6	97.6	P	30 - 160

Lab Sample ID: 2400881
Field Sample ID: G2CE0271

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	55.2	P	29 - 130
EPA 8270E	Decachlorobiphenyl	103	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	48.9	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	61.7	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	67.2	P	30 - 101
EPA 8276	PCNB	90.9	P	48 - 121

Lab Sample ID: 2400882
Field Sample ID: G2CE0271

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	98.1	P	20 - 200
EPA 8270E	Simazine-d10	76.3	P	62 - 142
EPA 8270E	Terbufos-d10	70.0	P	58 - 132
EPA 8270E	Terphenyl-d14	87.8	P	52 - 137
EPA 8270E	Terphenyl-d14	91.7	P	52 - 137

Quality Assurance Report Surrogates

Lab Sample ID: 2400883
Field Sample ID: G2CE0075

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	45.0	P	29 - 130
EPA 8270E	Decachlorobiphenyl	84.6	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	49.6	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	66.2	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	62.3	P	30 - 101
EPA 8276	PCNB	93.1	P	48 - 121

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A118758

Included Lab Sample IDs: 2400874, 2400875

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	113	118	P/P	60 - 160
Sucralose	101	102	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A118762

Included Lab Sample IDs: 2400874, 2400875

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	114	120	P/P	60 - 160
Endothall	104	98.8	P/P	60 - 160
Glufosinate	102	101	P/P	60 - 160
Glyphosate	115	119	P/P	60 - 160

Reference Method: EPA 8270E

Run ID: A118774

Included Lab Sample IDs: 2400881, 2400883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	93.8		P	80 - 120
Alpha-BHC	98.1		P	80 - 120
Alpha-Chlordane	107		P	80 - 120
Beta-BHC	103		P	80 - 120
Beta-Cyfluthrin	90.9		P	80 - 120
Bifenthrin	96.8		P	80 - 120
Carbophenothion	96.6		P	80 - 120
Chlorothalonil	99.1		P	80 - 120
Cis-Nonachlor	95.7		P	80 - 120
Cypermethrin	99.2		P	80 - 120
Dacthal	97.5		P	80 - 120
DDD-p,p'	100		P	80 - 120
DDE-p,p'	103		P	80 - 120
DDT-p,p'	99.8		P	80 - 120
Delta-BHC	98.9		P	80 - 120
Deltamethrin	85.1		P	80 - 120
Dichlobenil	100		P	80 - 120
Dicofol	97.0		P	80 - 120
Dieldrin	100		P	80 - 120
Endosulfan I	101		P	80 - 120
Endosulfan II	97.4		P	80 - 120
Endosulfan Sulfate	93.0		P	80 - 120
Endrin	100		P	80 - 120
Endrin Aldehyde	93.0		P	80 - 120
Endrin Ketone	126*		F	80 - 120
Esfenvalerate	90.0		P	80 - 120
Ethalfuralin	102		P	80 - 120
Fenpropathrin	92.4		P	80 - 120
Gamma-BHC	82.9		P	80 - 120
Gamma-Chlordane	102		P	80 - 120
Heptachlor	93.9		P	80 - 120
Heptachlor Epoxide	97.6		P	80 - 120
Hexachlorobenzene	98.7		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A118774

Included Lab Sample IDs: 2400881, 2400883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kepone	70.9*		F	80 - 120
Lambda-Cyhalothrin	94.2		P	80 - 120
Methoprene	101		P	80 - 120
Methoxychlor	94.5		P	80 - 120
MGK-264	98.3		P	80 - 120
Mirex	101		P	80 - 120
Oxychlordane	102		P	80 - 120
Permethrin	97.0		P	80 - 120
Phenothrin	94.7		P	80 - 120
Piperonyl Butoxide	102		P	80 - 120
Prallethrin	98.2		P	80 - 120
Tau-Fluvalinate	90.5		P	80 - 120
Tetramethrin	91.5		P	80 - 120
Trans-Nonachlor	101		P	80 - 120
Triclosan Methyl	102		P	80 - 120
Trifluralin	99.2		P	80 - 120

Reference Method: EPA 8276

Run ID: A118778

Included Lab Sample IDs: 2400881, 2400883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	104		P	80 - 120
Chlordane	108		P	80 - 120
Toxaphene	109		P	80 - 120
Toxaphene	112		P	80 - 120

Reference Method: EPA 8321B

Run ID: A118780

Included Lab Sample IDs: 2400874, 2400875

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	92.9	92.0	P/P	50 - 150
2,4-D	95.3	92.9	P/P	50 - 150
2,4,5-T	102	86.7	P/P	50 - 150
2,4,5-T	89.4	102	P/P	50 - 150
3-Hydroxycarbofuran	108	112	P/P	60 - 150
Acetaminophen	101	97.6	P/P	60 - 160
Acetaminophen	95.7	101	P/P	60 - 160
Acetamiprid	104	106	P/P	50 - 150
Acetamiprid	106	107	P/P	50 - 150
Afidopyropen	70.8	92.9	P/P	50 - 150
Afidopyropen	92.9	101	P/P	50 - 150
Aldicarb	125	90.0	P/P	60 - 150
Aldicarb Sulfone	105	109	P/P	50 - 150
Aldicarb Sulfoxide	108	98.8	P/P	50 - 150
Bentazon	136	139	P/P	50 - 160
Benzovindiflupyr	100	102	P/P	50 - 150
Benzovindiflupyr	102	100	P/P	50 - 150
Carbamazepine	104	108	P/P	60 - 150
Carbamazepine	108	117	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A118780
Included Lab Sample IDs: 2400873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Carbaryl	116	107	P/P	60 - 150
Carbofuran	98.1	102	P/P	50 - 150
Clothianidin	112	121	P/P	60 - 150
Clothianidin	118	112	P/P	60 - 150
Dinotefuran	109	113	P/P	50 - 150
Dinotefuran	113	112	P/P	50 - 150
Diuron	113	107	P/P	60 - 160
Diuron	124	113	P/P	60 - 160
Fenuron	108	112	P/P	60 - 150
Fenuron	110	108	P/P	60 - 150
Fluridone	115	116	P/P	60 - 160
Fluridone	116	104	P/P	60 - 160
Hydrocodone	106	110	P/P	60 - 150
Hydrocodone	116	106	P/P	60 - 150
Ibuprofen	101	104	P/P	50 - 160
Ibuprofen	80.5	101	P/P	50 - 160
Imazapyr	110	106	P/P	50 - 150
Imazapyr	114	110	P/P	50 - 150
Imidacloprid	95.9	96.3	P/P	60 - 150
Imidacloprid	96.7	95.9	P/P	60 - 150
Linuron	103	111	P/P	60 - 150
Linuron	106	103	P/P	60 - 150
Mandestrobin	102	102	P/P	50 - 150
Mandestrobin	104	102	P/P	50 - 150
MCPP	102	100	P/P	50 - 150
MCPP	93.1	102	P/P	50 - 150
Methiocarb	95.1	102	P/P	50 - 150
Methomyl	104	108	P/P	50 - 150
Naproxen	103	118	P/P	50 - 160
Naproxen	118	108	P/P	50 - 160
Oxamyl	102	109	P/P	50 - 150
Primidone	101	103	P/P	60 - 150
Primidone	103	104	P/P	60 - 150
Propoxur	102	109	P/P	50 - 150
Pyraclostrobin	103	105	P/P	60 - 150
Pyraclostrobin	104	103	P/P	60 - 150
Silvex	100	92.8	P/P	50 - 150
Silvex	92.8	83.5	P/P	50 - 150
Thiamethoxam	116	116	P/P	50 - 150
Thiamethoxam	116	122	P/P	50 - 150
Tolfenpyrad	102	98.7	P/P	60 - 150
Tolfenpyrad	103	102	P/P	60 - 150
Triclopyr	101	103	P/P	50 - 150
Triclopyr	103	106	P/P	50 - 150

Reference Method: EPA 8270E
Run ID: A118892
Included Lab Sample IDs: 2400881, 2400883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	106		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A118892

Included Lab Sample IDs: 2400881, 2400883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1260	94.4		P	80 - 120

Reference Method: EPA 8270E

Run ID: A118931

Included Lab Sample IDs: 2400882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	90.2		P	80 - 120
Alachlor	90.5		P	80 - 120
Ametryn	97.9		P	80 - 120
Atrazine	90.3		P	80 - 120
Atrazine Desethyl	86.9		P	80 - 120
Azinphos Methyl	79.9*		F	80 - 120
Azoxystrobin	99.4		P	80 - 120
Bromacil	111		P	80 - 120
Butylate	100		P	80 - 120
Carbophenothion	88.8		P	80 - 120
Carfentrazone Ethyl	96.2		P	80 - 120
Chlorfenapyr	78.6*		F	80 - 120
Chlorpyrifos Ethyl	91.0		P	80 - 120
Chlorpyrifos Methyl	98.6		P	80 - 120
Coumaphos	92.0		P	80 - 120
Cyanazine	99.3		P	80 - 120
Cyprodinil	102		P	80 - 120
Demeton	100		P	80 - 120
Diazinon	98.2		P	80 - 120
Difenoconazole	95.6		P	80 - 120
Dimethenamid	97.8		P	80 - 120
Dimethomorph	85.5		P	80 - 120
Disulfoton	91.2		P	80 - 120
Dithiopyr	98.7		P	80 - 120
EPTC	99.7		P	80 - 120
Ethion	84.5		P	80 - 120
Ethoprop	99.1		P	80 - 120
Etridiazole	89.5		P	80 - 120
Fenamiphos	89.7		P	80 - 120
Fenbuconazole	84.0		P	80 - 120
Fipronil	84.7		P	80 - 120
Fipronil Desulfinyl	97.5		P	80 - 120
Fipronil Sulfide	98.7		P	80 - 120
Fipronil Sulfone	98.1		P	80 - 120
Fluazifop-P-butyl	99.3		P	80 - 120
Fludioxonil	106		P	80 - 120
Flumioxazin	91.2		P	80 - 120
Flutolanil	103		P	80 - 120
Fluxapyroxad	98.0		P	80 - 120
Fonofos	104		P	80 - 120
Hexazinone	103		P	80 - 120
Imazalil	100		P	80 - 120
Iprodione	82.9		P	80 - 120
Loratadine	79.0*		F	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A118931
Included Lab Sample IDs: 2400882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Malathion	83.1		P	80 - 120
Metalaxyl	82.3		P	80 - 120
Metolachlor	102		P	80 - 120
Metribuzin	91.8		P	80 - 120
Mevinphos	86.1		P	80 - 120
Molinate	87.3		P	80 - 120
Myclobutanil	89.2		P	80 - 120
Naled	96.0		P	80 - 120
Napropamide	98.8		P	80 - 120
Norflurazon	98.7		P	80 - 120
Oxadiazon	102		P	80 - 120
Oxyfluorfen	104		P	80 - 120
Parathion Ethyl	107		P	80 - 120
Parathion Methyl	93.9		P	80 - 120
Pendimethalin	111		P	80 - 120
Phenytoin	106		P	80 - 120
Phorate	84.5		P	80 - 120
Prodiamine	108		P	80 - 120
Prometon	94.4		P	80 - 120
Prometryn	94.6		P	80 - 120
Pronamide	97.4		P	80 - 120
Propanil	93.6		P	80 - 120
Propargite	93.8		P	80 - 120
Propiconazole	86.0		P	80 - 120
Pyraflufen Ethyl	86.6		P	80 - 120
Pyridaben	97.6		P	80 - 120
Pyriproxyfen	101		P	80 - 120
Simazine	84.8		P	80 - 120
Stirophos	82.6		P	80 - 120
Sulfentrazone	95.9		P	80 - 120
Tebuconazole	96.4		P	80 - 120
Terbufos	99.4		P	80 - 120
Terbuthylazine	88.7		P	80 - 120
Thiobencarb	93.2		P	80 - 120
Triadimefon	97.0		P	80 - 120

Reference Method: EPA 8270E
Run ID: A118965
Included Lab Sample IDs: 2400882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	104		P	80 - 120
Avobenzone	108		P	80 - 120
Dechlorane 602	102		P	80 - 120
Dechlorane 603	103		P	80 - 120
Dechlorane Plus	94.3		P	80 - 120
Hexabromobenzene	104		P	80 - 120
Octinoxate	99.3		P	80 - 120
Oxybenzone	98.6		P	80 - 120
PBB-153	103		P	80 - 120
PBDE-47	100		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A118965
Included Lab Sample IDs: 2400882

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PBDE-99	102		P	80 - 120
Pentabromotoluene	99.8		P	80 - 120
Tetradecachloro-m-terphenyl	105		P	80 - 120
Tri-o-cresyl Phosphate	101		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	86.4		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	95.8		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	90.2		P	80 - 120

Reference Method: EPA 8270E
Run ID: A119169
Included Lab Sample IDs: 2400882

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

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

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	LCS	Precision SMP	MS
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	70.6	72.0 109			41.0
	Acetochlor	72.8	89.6 87.1			2.78
	Alachlor	106	105 97.7			7.55
	Aldrin	37.0	49.7 42.6			15.3
	Alpha-BHC	81.0	89.3 86.9			2.71
	Alpha-Chlordane	77.0	73.6 71.2			3.37
	Ametryn	107	112 115			2.88
	Atrazine	98.3				3.09
	Atrazine Desethyl	90.1	79.3 87.7			8.09
	Avobenzone	99.8	98.0 165			50.7
	Azinphos Methyl	116	119 116			2.08
	Azoxystrobin	104	138 101			25.7
	Beta-BHC	92.2	107 105			1.14
	Beta-Cyfluthrin	69.7	77.9 72.9			6.59
	Bifenthrin	49.4	62.2 52.5			17.0
	Bromacil	112	122 111			8.43
	Butylate	61.8	50.0 58.0			14.8
	Caffeine	97.4	74.1 72.8			1.15
	Carbophenothion	111	104 113			8.14
	Carbophenothion	44.0	59.9 47.1			23.8
	Carfentrazone Ethyl	127	115 127			9.59
	Chlorfenapyr	65.0				9.29
	Chlorothalonil	80.9	87.6 83.9			4.34
	Chlorpyrifos Ethyl	82.6	72.9 75.3			3.26
	Chlorpyrifos Methyl	96.1	102 101			0.926
	Cis-Nonachlor	65.5	65.0 53.3			19.8
	Coumaphos	137	129 150			14.8
	Cyanazine	131	128 132			2.44
	Cypermethrin	71.0	77.7 70.0			10.5
	Cyprodinil	91.3	107 104			2.75
	Dacthal	87.2	90.7 86.7			4.47
	DDD-p,p'	68.5	66.5 54.0			20.9
	DDE-p,p'	70.0	69.9 58.3			18.0
	DDT-p,p'	65.6	68.9 62.4			10.0
	Dechlorane 602	72.6	61.2 86.0			33.7
	Dechlorane 603	87.3	81.1 117			36.2
	Dechlorane Plus	102	104 89.5			14.7
	Delta-BHC	94.2	104 104			0.0256
	Deltamethrin	78.7	82.3 81.4			1.13
	Demeton	76.3	103 105			1.67
	Diazinon	118	115 123			7.13
	Dichlobenil	52.1	58.2 67.3			14.6
	Dicofol	71.4	74.6 62.7			17.4
	Dieldrin	77.1	74.8 65.9			12.7
	Difenoconazole	111	93.2 131			33.5
	Dimethenamid	108	104 120			13.9
	Dimethomorph	83.3	136 139			1.97
	Disulfoton	108	113 115			1.67
	Dithiopyr	107	85.6 98.5			14.0
	Endosulfan I	73.7	74.5 66.3			11.7
	Endosulfan II	78.8	76.4 68.4			11.0
	Endosulfan Sulfate	78.1	80.6 73.5			9.19

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Endrin	77.5	76.1	68.3		10.8
	Endrin Aldehyde	70.6	74.7	64.8		14.1
	Endrin Ketone	100	103	102		0.892
	EPTC	60.9	45.4	54.5		18.3
	Esfenvalerate	66.1	75.4	75.1		0.419
	Ethalfuralin	64.3	71.4	61.4		15.1
	Ethion	106	98.0	114		15.3
	Ethoprop	101	101	92.7		8.46
	Etridiazole	66.5	61.4	71.7		15.5
	Fenamiphos	77.7	103	96.3		7.21
	Fenbuconazole	79.5	81.3	83.8		3.11
	Fenpropathrin	68.8	77.5	67.7		13.5
	Fipronil	75.5				12.0
	Fipronil Desulfinyl	94.6				2.89
	Fipronil Sulfide	89.0				8.23
	Fipronil Sulfone	107				14.8
	Fluazifop-P-butyl	70.7	67.6	63.3		6.59
	Fludioxonil	83.7	68.4	74.7		4.26
	Flumioxazin	183	153	202		27.5
	Flutolanil	82.5	103	106		2.67
	Fluxapyroxad	103	85.2	114		28.5
	Fonofos	83.3	108	75.4		35.5
	Gamma-BHC	82.8	100	96.7		3.80
	Gamma-Chlordane	71.8	73.5	62.8		15.7
	Heptachlor	51.3	63.3	54.0		15.8
	Heptachlor Epoxide	79.3	78.3	75.7		3.34
	Hexabromobenzene	101	104	123		16.8
	Hexachlorobenzene	46.3	54.8	50.7		7.72
	Hexazinone	96.1	96.6	117		14.7
	Imazalil	77.2	139	140		0.981
	Iprodione	91.3	91.9	105		13.3
	Kepone	42.4	87.7	75.3		15.2
	Lambda-Cyhalothrin	54.8	72.3	65.6		9.59
	Loratadine	140	148	166		8.27
	Malathion	96.5	96.8	115		16.8
	Metalaxyl	107	85.7	90.4		5.37
	Methoprene	53.7	60.5	50.1		18.8
	Methoxychlor	79.3	81.1	78.7		3.04
	Metolachlor	90.5	106	97.5		8.20
	Metribuzin	109	106	99.1		6.46
	Mevinphos	88.7	96.1	95.6		0.509
	MGK-264	73.3	81.9	85.7		4.54
	Mirex	48.2	57.8	44.8		25.3
	Molinate	61.0	57.0	57.5		0.855
	Myclobutanil	110	101	115		12.8
	Naled	43.5	49.6	50.6		1.88
	Napropamide	79.9	70.9	91.1		24.9
	Norflurazon	104	99.6	116		15.6
	Octinoxate	104	101	114		11.5
	Oxadiazon	92.5	81.4	87.9		7.66
	Oxybenzone	106	104	123		17.0
	Oxychlordane	67.1	73.9	61.0		19.2
	Oxyfluorfen	96.8	103	110		6.64
	Parathion Ethyl	93.8	107	103		3.16

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Parathion Methyl	108	118	116		1.57
	PBB-153	83.3	77.3	130		50.8
	PBDE-47	91.8	84.8	101		17.7
	PBDE-99	68.5	57.2	91.1		45.8
	PCB-1016	72.4	77.1	72.3		6.46
	PCB-1260	54.8	52.6	48.4		8.42
	Pendimethalin	135	119	89.6		28.0
	Pentabromotoluene	96.2	97.7	111		12.4
	Permethrin	65.2	70.2	66.5		5.37
	Phenothrin	48.9	60.5	61.6		1.80
	Phenytol	127				23.5
	Phorate	96.3	142	149		4.90
	Piperonyl Butoxide	89.2	92.2	84.1		9.20
	Prallethrin	61.4	67.2	60.2		11.0
	Prodiamine	68.8	70.6	81.4		14.2
	Prometon	102	103	111		7.92
	Prometryn	126	129	128		0.903
	Pronamide	114	137	134		2.64
	Propanil	122	116	119		2.23
	Propargite	108	86.0	101		15.6
	Propiconazole	70.3	111	107		3.92
	Pyraflufen Ethyl	57.3	63.5	58.6		7.88
	Pyridaben	80.5	118	122		3.72
	Pyriproxyfen	122	124	103		18.9
	Simazine	80.5				2.44
	Stirophos	97.3	105	60.7		53.9
	Sulfentrazone	104	119	103		8.25
	Tau-Fluvalinate	53.8	72.9	67.9		7.02
	Tebuconazole	90.6	120	43.7		56.8
	Terbufos	117	134	137		2.37
	Terbutylazine	82.8	101	95.4		5.50
	Tetradecachloro-m-terphenyl	140	151	183		18.8
	Tetramethrin	67.2	70.6	71.6		1.41
	Thiobencarb	110	101	111		10.1
	Trans-Nonachlor	69.6	67.0	61.8		8.08
	Tri-o-cresyl Phosphate	98.7	96.1	115		18.1
	Triadimefon	95.1	95.8	102		6.40
	Triclosan Methyl	77.2	73.9	63.3		15.4
	Trifluralin	68.5	70.7	63.1		11.3
	Tris(1-chloro-2-propyl) phosphate (TCPP)	130	150	84.9		50.0
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	93.7	89.2	101		11.8
	Tris(2-chloroethyl) phosphate (TCEP)	105	101	107		5.95
EPA 8276	Chlordane	75.5	69.1	68.5		0.942
	Toxaphene	92.6	82.8	86.9		4.86
EPA 8321B	2,4-D	112	136	143		4.92
	2,4,5-T	90.5	125	134		7.17
	3-Hydroxycarbofuran	88.6	86.4	97.9		12.4
	Acesulfame K	112	101	102		1.17
	Acetaminophen	86.5	91.8	95.6		3.98
	Acetamiprid	79.8	90.2	95.3		5.50
	Afidopyropen	53.3	77.8	74.3		4.60

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision LCS	SMP	MS
EPA 8321B	Aldicarb	41.0	47.9	47.5			0.797
	Aldicarb Sulfone	99.6	94.8	95.6			0.902
	Aldicarb Sulfoxide	143	39.5	40.2			1.76
	AMPA	119	95.2	98.5			3.12
	Bentazon	110	104	106			1.96
	Benzovindiflupyr	79.9	78.4	84.4			7.45
	Carbamazepine	91.8	84.9	84.8			0.165
	Carbaryl	92.1	73.3	71.8			2.09
	Carbofuran	85.6	59.0	59.7			1.28
	Clothianidin	102	106	109			3.58
	Dinotefuran	103	94.7	101			6.91
	Diuron	92.5	80.6	80.1			0.687
	Endothall	92.8	95.6	98.8			3.29
	Fenuron	93.0	81.5	85.6			4.97
	Fluridone	89.2	83.8	91.3			8.61
	Glufosinate	93.7	89.3	89.3			0.0219
	Glyphosate	119	92.4	90.9			1.15
	Hydrocodone	94.5	77.4	82.4			6.26
	Ibuprofen	75.9	66.5	84.2			23.5
	Imazapyr	98.2	120	114			4.40
	Imidacloprid	87.1	100	105			5.25
	Linuron	88.9	75.6	83.0			9.29
	Mandestrobin	84.2	86.9	93.0			6.80
	MCPP	115	142	145			2.19
	Methiocarb	77.2	74.4	64.3			14.6
	Methomyl	91.4	65.4	68.6			4.83
	Naproxen	72.9	72.5	92.2			23.9
	Oxamyl	96.5	84.2	87.9			4.21
	Primidone	89.3	91.6	96.3			4.97
	Propoxur	76.5	55.8	53.4			4.49
	Pyraclostrobin	80.8	78.9	84.0			6.25
	Silvex	105	110	117			6.28
	Sucralose	99.5	99.4	98.6			0.682
	Thiamethoxam	96.9	96.4	99.0			2.67
	Tolfenpyrad	50.2	46.2	50.7			9.20
	Triclopyr	104	134	140			4.03

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2400882
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2400881, 2400883
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2400882
EPA 8270E	PCBs in water matrices by GC/MS/MS	2400881, 2400883
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2400881, 2400883
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2400873
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2400874, 2400875

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	04/18/2023	04/20/2023 08:00	Rasheda Ghaffari	04/27/2023 15:48	Vandana T. Nagar	2400882
	04/18/2023	04/20/2023 08:00	Rasheda Ghaffari	04/27/2023 16:15	Vandana T. Nagar	2400882
	04/18/2023	04/21/2023 08:00	Fe-Val Siddell	04/25/2023 19:02	Michael Poppell	2400881
	04/18/2023	04/21/2023 08:00	Fe-Val Siddell	04/25/2023 19:32	Michael Poppell	2400883
	04/18/2023	04/21/2023 08:00	Fe-Val Siddell	04/30/2023 06:53	Julie Wi	2400881
	04/18/2023	04/21/2023 08:00	Fe-Val Siddell	04/30/2023 07:24	Julie Wi	2400883
	04/18/2023	05/03/2023 08:00	Fe-Val Siddell	05/04/2023 17:06	Arthur Maknenko	2400882
	04/18/2023	05/03/2023 08:00	Fe-Val Siddell	05/04/2023 19:54	Vandana T. Nagar	2400882
EPA 8276	04/18/2023	04/21/2023 08:00	Fe-Val Siddell	04/25/2023 09:38	Arthur Maknenko	2400881
	04/18/2023	04/21/2023 08:00	Fe-Val Siddell	04/25/2023 11:32	Arthur Maknenko	2400883
EPA 8321B	04/18/2023	04/21/2023 09:00	Manjita Shrestha	04/21/2023 11:53	Manjita Shrestha	2400874
	04/18/2023	04/21/2023 09:00	Manjita Shrestha	04/21/2023 12:06	Manjita Shrestha	2400875
	04/18/2023	04/21/2023 09:00	Manjita Shrestha	04/22/2023 07:09	Manjita Shrestha	2400874
	04/18/2023	04/21/2023 09:00	Manjita Shrestha	04/22/2023 07:23	Manjita Shrestha	2400875
	04/18/2023	04/24/2023 08:00	Hoor Shaik	04/26/2023 01:57	Juyoung Kim	2400874
	04/18/2023	04/24/2023 08:00	Hoor Shaik	04/26/2023 02:35	Juyoung Kim	2400875
	04/18/2023	04/24/2023 08:00	Hoor Shaik	04/26/2023 16:59	Juyoung Kim	2400874
	04/18/2023	04/24/2023 08:00	Hoor Shaik	04/26/2023 17:18	Juyoung Kim	2400875
	04/18/2023	04/24/2023 09:00	Hoor Shaik	04/25/2023 20:38	Juyoung Kim	2400873