

Chemical Analysis Report

SO-DIST-2022-10-28-01

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

Event Description: **2021 SMP : Collier County**
Request ID: **RQ-2022-10-03-13**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: William Mullen

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Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 21-NOV-2022 11:27



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: IMKFSHCK

Collection Date/Time: 10/27/2022 12:15

Field ID: AF70530

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2366046	EPA 8321B	Aldicarb	0.020	U	ug/L	P421445	RPD
		Aldicarb Sulfone	0.0020	U	ug/L	P421445	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P421445	
		Carbaryl	0.0020	U	ug/L	P421445	
		Carbofuran	0.0020	U	ug/L	P421445	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P421445	
		Methiocarb	0.0020	U	ug/L	P421445	
		Methomyl	0.0020	U	ug/L	P421445	
		Oxamyl	0.0020	U	ug/L	P421445	
		Propoxur	0.0020	U	ug/L	P421445	
2366047		Acesulfame K	0.10	U	ug/L	P421714	
		2,4-D	0.0049	I	ug/L	P421666	
		AMPA	0.36	I	ug/L	P421714	
		2,4,5-T	0.0040	U	ug/L	P421666	
		Acetaminophen	0.0080	U	ug/L	P421666	
		Acetamiprid	0.0020	U	ug/L	P421666	
		Endothall	0.25	UJ	ug/L	P421714	MS, SUR
		Glufosinate	0.10	U	ug/L	P421714	
		Glyphosate	0.42		ug/L	P421714	
		Afidopyropen	0.0020	U	ug/L	P421666	
		Sucralose	0.039	I	ug/L	P421714	
		Bentazon	0.0023	I	ug/L	P421666	
		Benzovindiflupyr	0.0020	U	ug/L	P421666	
		Carbamazepine	8.0E-04	U	ug/L	P421666	
		Clothianidin	0.010		ug/L	P421666	
		Dinotefuran	0.0066	I	ug/L	P421666	
		Diuron	0.0020	U	ug/L	P421666	
		Fenuron	0.032	U	ug/L	P421666	
		Fluridone	0.0021	I	ug/L	P421666	
		Imazapyr	0.15		ug/L	P421666	
		Hydrocodone	0.0020	U	ug/L	P421666	
		Ibuprofen	0.20	U	ug/L	P421666	
		Imidacloprid	0.031		ug/L	P421666	
		Linuron	0.0040	U	ug/L	P421666	
		Mandestrobin	0.0020	U	ug/L	P421666	
		MCPP	0.0040	U	ug/L	P421666	
		Naproxen	0.0080	U	ug/L	P421666	
		Primidone	0.0040	U	ug/L	P421666	
		Pyraclostrobin	0.0020	U	ug/L	P421666	
		Silvex	0.0040	U	ug/L	P421666	
		Thiamethoxam	0.0020	I	ug/L	P421666	
		Tolfenpyrad	0.0020	U	ug/L	P421666	
		Triclopyr	0.0040	U	ug/L	P421666	
2366048	EPA 8270E	Aldrin	0.79	U	ng/L	P421589	

Field ID: AF70530

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2366048	EPA 8270E	Alpha-BHC	0.12	U	ng/L	P421589	
		Alpha-Chlordane	0.24	U	ng/L	P421589	
		PCB-1016	2.4	U	ng/L	P421589	
		Beta-BHC	0.12	U	ng/L	P421589	
		PCB-1221	2.4	U	ng/L	P421589	
		Beta-Cyfluthrin	1.5	U	ng/L	P421589	
		PCB-1232	2.4	U	ng/L	P421589	
		Bifenthrin	0.61	U	ng/L	P421589	
		PCB-1242	2.4	U	ng/L	P421589	
		PCB-1248	2.4	U	ng/L	P421589	
		Chlorothalonil	1.5	U	ng/L	P421589	
		PCB-1254	2.4	U	ng/L	P421589	
		Cis-Nonachlor	0.24	U	ng/L	P421589	
		PCB-1260	2.4	U	ng/L	P421589	
		Cypermethrin	1.8	U	ng/L	P421589	
		Dacthal	0.18	U	ng/L	P421589	
		DDD-p,p'	0.30	U	ng/L	P421589	
		DDE-p,p'	0.24	U	ng/L	P421589	
		DDT-p,p'	0.30	U	ng/L	P421589	
		Delta-BHC	0.49	U	ng/L	P421589	
		Deltamethrin	1.5	U	ng/L	P421589	
		Dichlobenil	0.30	U	ng/L	P421589	
		Dicofol	1.5	U	ng/L	P421589	
		Dieldrin	0.65	I	ng/L	P421589	
		Endosulfan I	0.49	U	ng/L	P421589	
		Endosulfan II	0.49	U	ng/L	P421589	
		Endosulfan Sulfate	0.36	U	ng/L	P421589	
		Endrin	0.49	U	ng/L	P421589	
		Endrin Aldehyde	0.91	U	ng/L	P421589	
		Endrin Ketone	0.49	U	ng/L	P421589	
		Esfenvalerate	0.91	U	ng/L	P421589	
		Ethalfuralin	0.18	U	ng/L	P421589	
		Fenpropathrin	0.30	U	ng/L	P421589	
		Gamma-BHC	0.15	U	ng/L	P421589	
		Gamma-Chlordane	0.24	U	ng/L	P421589	
		Heptachlor	0.24	U	ng/L	P421589	
		Heptachlor Epoxide	0.30	U	ng/L	P421589	
		Hexachlorobenzene**	1.2	U	ng/L	P421589	
		Kepone	6.1	U	ng/L	P421589	
		Lambda-Cyhalothrin	0.91	U	ng/L	P421589	
		Methoprene	0.91	U	ng/L	P421589	
		Methoxychlor	0.36	U	ng/L	P421589	
		MGK-264	0.24	U	ng/L	P421589	
		Mirex	0.43	U	ng/L	P421589	
		Oxychlordane	0.36	U	ng/L	P421589	

Field ID: AF70530

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2366048	EPA 8270E	Permethrin	1.9	U	ng/L	P421589	
		Phenothrin	1.1	U	ng/L	P421589	
		Piperonyl Butoxide	0.18	UQ	ng/L	P422151	
		Prallethrin	2.4	U	ng/L	P421589	
		Tau-Fluvalinate	0.30	U	ng/L	P421589	
		Tetramethrin	0.91	U	ng/L	P421589	
		Trans-Nonachlor	0.24	U	ng/L	P421589	
		Triclosan Methyl	0.18	U	ng/L	P421589	
		Trifluralin	0.24	U	ng/L	P421589	
		Chlordane	3.0	U	ng/L	P421589	
	EPA 8276	Toxaphene	18	U	ng/L	P421589	
		Oxybenzone**	10	U	ng/L	P421632	
2366049	EPA 8270E	Acetochlor	0.25	UQ	ng/L	P422125	
		Octinoxate**	20	U	ng/L	P421632	
		Alachlor	0.25	UQ	ng/L	P422125	
		Avobenzone**	100	U	ng/L	P421632	
		Ametryn	0.60	UQ	ng/L	P422125	
		Atrazine	0.76	IQ	ng/L	P422125	
		PBDE-47**	4.0	U	ng/L	P421632	
		Atrazine Desethyl	1.5	UQ	ng/L	P422125	
		PBDE-99**	5.0	U	ng/L	P421632	
		Azinphos Methyl	2.0	UQ	ng/L	P422125	
		Tri-o-cresyl Phosphate**	6.0	U	ng/L	P421632	
		Azoxystrobin	0.50	UQ	ng/L	P422125	
		Bromacil	20	Q	ng/L	P422125	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	U	ng/L	P421632	
		Butylate	0.40	UQ	ng/L	P422125	
		Dechlorane Plus**	30	U	ng/L	P421632	RPD
		Caffeine**	7.5	UQ	ng/L	P422125	
		Carbophenothion	0.20	UQ	ng/L	P422125	
		Carfentrazone Ethyl	0.10	UQ	ng/L	P422125	
		Chlorfenapyr	0.18	UQ	ng/L	P422125	
		Chlorpyrifos Ethyl	0.25	UQ	ng/L	P422125	RPD
		Chlorpyrifos Methyl	0.050	UQ	ng/L	P422125	
		Coumaphos	0.50	UQ	ng/L	P422125	
		Cyanazine	3.3	UQ	ng/L	P422125	
		Cyprodinil	0.10	UQ	ng/L	P422125	
		Demeton	1.5	UQ	ng/L	P422125	
		Diazinon	0.13	UQ	ng/L	P422125	
		Difenoconazole	0.60	UQ	ng/L	P422125	
		Dimethenamid	0.10	UQ	ng/L	P422125	
		Dimethomorph	0.18	UQ	ng/L	P422125	
		Disulfoton	0.50	UQ	ng/L	P422125	
		Dithiopyr	0.63	UQ	ng/L	P422125	

Field ID: AF70530

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2366049	EPA 8270E	EPTC	1.3	UQ	ng/L	P422125	
		Ethion	0.15	UQ	ng/L	P422125	
		Ethoprop	0.10	UQ	ng/L	P422125	
		Etridiazole	0.15	UQ	ng/L	P422125	
		Fenamiphos	0.50	UQ	ng/L	P422125	
		Fenbuconazole	0.17	IQ	ng/L	P422125	
		Fipronil	0.25	UQ	ng/L	P422125	MS
		Fipronil Desulfinyl**	0.13	UQ	ng/L	P422125	
		Fipronil Sulfide	0.15	UQ	ng/L	P422125	
		Fipronil Sulfone	0.15	UQ	ng/L	P422125	
		Fluazifop-P-butyl	0.10	UQ	ng/L	P422125	
		Fludioxonil	0.13	UQ	ng/L	P422125	
		Flumioxazin	4.5	UQ	ng/L	P422125	
		Flutolanil	0.10	UQ	ng/L	P422125	
		Fluxapyroxad	0.13	IQ	ng/L	P422125	
		Fonofos	0.20	UQ	ng/L	P422125	
		Hexazinone	7.7	Q	ng/L	P422125	
		Imazalil	0.75	UQ	ng/L	P422125	
		Iprodione	0.60	UQJ	ng/L	P422125	LCS, MS
		Loratadine**	0.35	UQ	ng/L	P422125	
		Malathion	0.35	UQ	ng/L	P422125	
		Metalaxyl	0.99	IQ	ng/L	P422125	
		Metolachlor	4.0	Q	ng/L	P422125	
		Metribuzin	1.5	UQ	ng/L	P422125	
		Mevinphos	1.1	UQ	ng/L	P422125	
		Molinate	0.30	UQ	ng/L	P422125	
		Myclobutanil	0.25	UQ	ng/L	P422125	
		Naled	1.5	UQ	ng/L	P422125	
		Napropamide	0.40	UQ	ng/L	P422125	
		Norflurazon	140	Q	ng/L	P422125	
		Oxadiazon	0.30	UQ	ng/L	P422125	
		Oxyfluorfen	0.15	UQ	ng/L	P422125	
		Parathion Ethyl	0.25	UQ	ng/L	P422125	
		Parathion Methyl	0.55	UQ	ng/L	P422125	
		Pendimethalin	1.0	UQ	ng/L	P422125	
		Phenytol**	3.5	UQ	ng/L	P422125	MS
		Phorate	0.53	UQ	ng/L	P422125	
		Prodiamine	0.18	UQ	ng/L	P422125	
		Prometon	0.90	UQ	ng/L	P422125	
		Prometryn	0.20	UQJ	ng/L	P422125	LCS, MS
		Pronamide	0.15	UQ	ng/L	P422125	
		Propanil	0.13	UQ	ng/L	P422125	
		Propargite	1.5	UQ	ng/L	P422125	
		Propiconazole	0.50	UQ	ng/L	P422125	
		Pyraflufen Ethyl	0.25	UQ	ng/L	P422125	

Field ID: AF70530

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2366049	EPA 8270E	Pyridaben	0.45	UQ	ng/L	P422125	
		Pyriproxyfen	0.13	UQ	ng/L	P422125	
		Simazine	0.50	UQ	ng/L	P422125	
		Stirophos	0.13	UQ	ng/L	P422125	
		Sulfentrazone	2.9	Q	ng/L	P422125	
		Tebuconazole	0.50	UQ	ng/L	P422125	
		Terbufos	0.10	UQ	ng/L	P422125	
		Terbuthylazine	0.43	UQ	ng/L	P422125	
		Thiobencarb	0.60	UQ	ng/L	P422125	
		Triadimefon	0.25	UQ	ng/L	P422125	

Ref. Method and Comment:

EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.

EPA 8270E: MS accuracy for dieldrin and heptachlor epoxide not assessed due to high content of this parameter in the sample spiked. Sample expired for preparation for piperonyl butoxide due to need for re-extraction.

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E
 Batch ID: P421589

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	0.12	I	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	1.2	U	ng/L
Chlorothalonil	1.2	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.25	U	ng/L
DDT-p,p'	0.25	U	ng/L
Delta-BHC	0.40	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
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
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P421589

Component	Result	Code	Units
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	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
Phenothrin	0.90	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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P421589

Component	Result	Code	Units
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: P421632

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
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	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
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L

Reference Method: EPA 8270E

Batch ID: P422125

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	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P422125

Component	Result	Code	Units
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Demeton	1.5	U	ng/L
Demeton	1.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.62	U	ng/L
Dithiopyr	0.62	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
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.12	U	ng/L
Fludioxonil	0.12	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P422125

Component	Result	Code	Units
Flumioxazin	4.5	U	ng/L
Flumioxazin	4.5	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fonofos	0.20	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.75	U	ng/L
Imazalil	0.75	U	ng/L
Iprodione	0.60	U	ng/L
Iprodione	0.60	U	ng/L
Loratadine	0.35	U	ng/L
Loratadine	0.35	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metaxyl	0.75	U	ng/L
Metaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	1.5	U	ng/L
Metribuzin	1.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.30	U	ng/L
Molinate	0.30	U	ng/L
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Napropamide	0.40	U	ng/L
Napropamide	0.40	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
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
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytol	3.5	U	ng/L
Phenytol	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiatamine	0.18	U	ng/L
Prodiatamine	0.18	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P422125

Component	Result	Code	Units
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Prometryn	0.20	U	ng/L
Pronamide	0.15	U	ng/L
Pronamide	0.15	U	ng/L
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbuthylazine	0.42	U	ng/L
Terbuthylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: EPA 8270E

Batch ID: P422151

Component	Result	Code	Units
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L

Reference Method: EPA 8276

Batch ID: P421589

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B

Batch ID: P421445

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

Reference Method: EPA 8321B

Batch ID: P421666

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	0.20	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0040	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B

Batch ID: P421714

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P421714

Component	Result	Code	Units
Sucralose	0.010	U	ug/L

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
 Batch ID: P421589

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	51.6		P	10 - 92.0
Alpha-BHC	90.4		P	75 - 107
Alpha-Chlordane	68.6		P	50 - 108
Beta-BHC	101		P	36 - 138
Beta-Cyfluthrin	58.8		P	20 - 161
Bifenthrin	50.2		P	10 - 119
Chlorothalonil	129		P	26 - 186
Cis-Nonachlor	61.1		P	42 - 119
Cypermethrin	62.3		P	22 - 150
Dacthal	86.9		P	72 - 119
DDD-p,p'	64.2		P	45 - 107
DDE-p,p'	65.4		P	48 - 106
DDT-p,p'	70.7		P	48 - 110
Delta-BHC	106		P	54 - 140
Deltamethrin	74.7		P	22 - 189
Dichlobenil	78.2		P	36 - 117
Dicofol	68.3		P	46 - 155
Dieldrin	71.3		P	54 - 110
Endosulfan I	75.6		P	59 - 105
Endosulfan II	70.9		P	51 - 118
Endosulfan Sulfate	77.2		P	57 - 121
Endrin	72.0		P	10 - 120
Endrin Aldehyde	69.6		P	34 - 118
Endrin Ketone	80.8		P	69 - 177
Esfenvalerate	60.4		P	23 - 168
Ethalfuralin	71.7		P	49 - 99.0
Fenpropathrin	60.1		P	34 - 117
Gamma-BHC	92.5		P	72 - 117
Gamma-Chlordane	65.9		P	43 - 106
Heptachlor	60.7		P	41 - 98.0
Heptachlor Epoxide	76.1		P	57 - 106
Hexachlorobenzene	69.5		P	36 - 99.0
Kepone	54.9		P	16 - 215
Lambda-Cyhalothrin	48.4		P	21 - 177
Methoprene	50.7		P	10 - 119
Methoxychlor	85.3		P	60 - 112
MGK-264	80.0		P	26 - 122
Mirex	47.9		P	10 - 169
Oxychlordane	66.8		P	43 - 105
PCB-1016	70.1		P	48 - 112
PCB-1260	65.6		P	44 - 118
Permethrin	60.8		P	24 - 148
Phenothrin	46.3		P	10 - 106
Prallethrin	68.1		P	17 - 109
Tau-Fluvalinate	70.6		P	13 - 131
Tetramethrin	110		P	10 - 132
Trans-Nonachlor	67.4		P	44 - 106
Triclosan Methyl	74.2		P	59 - 109
Trifluralin	71.7		P	44 - 101

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P421632

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	114		P	42 - 162
Avobenzene	123		P	40 - 203
Dechlorane Plus	129		P	47 - 182
Octinoxate	104		P	26 - 166
Oxybenzone	101		P	49 - 135
PBDE-47	118		P	41 - 148
PBDE-99	113		P	38 - 147
Tri-o-cresyl Phosphate	104		P	49 - 150

Reference Method: EPA 8270E

Batch ID: P422125

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	107		P	69 - 123
Alachlor	85.3		P	65 - 118
Ametryn	107		P	58 - 141
Atrazine	103		P	73 - 118
Atrazine Desethyl	77.9		P	32 - 125
Azinphos Methyl	155		P	36 - 197
Azoxystrobin	109		P	58 - 226
Bromacil	119		P	48 - 120
Butylate	62.5		P	27 - 85.0
Caffeine	78.2		P	40 - 137
Carbophenothion	110		P	54 - 132
Carfentrazone Ethyl	114		P	60 - 142
Chlorfenapyr	107		P	53 - 117
Chlorpyrifos Ethyl	92.9		P	59 - 116
Chlorpyrifos Methyl	104		P	66 - 119
Coumaphos	103		P	11 - 234
Cyanazine	204		P	61 - 248
Cyprodinil	123		P	50 - 147
Demeton	92.7		P	30 - 138
Diazinon	94.6		P	67 - 126
Difenoconazole	93.1		P	38 - 205
Dimethenamid	81.1		P	57 - 111
Dimethomorph	106		P	16 - 212
Disulfoton	104		P	46 - 126
Dithiopyr	100		P	62 - 115
EPTC	60.1		P	28 - 80.0
Ethion	75.7		P	24 - 122
Ethoprop	108		P	62 - 113
Etridiazole	85.3		P	28 - 92.0
Fenamiphos	111		P	57 - 128
Fenbuconazole	84.8		P	52 - 155
Fipronil	94.1		P	63 - 130
Fipronil Desulfinyl	97.7		P	61 - 130
Fipronil Sulfide	84.2		P	56 - 117
Fipronil Sulfone	87.8		P	52 - 118
Fluazifop-P-butyl	106		P	61 - 128
Fludioxonil	100		P	59 - 129
Flumioxazin	95.4		P	30 - 250
Flutolanil	100		P	53 - 127

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P422125

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluxapyroxad	108		P	42 - 132
Fonofos	90.9		P	61 - 110
Hexazinone	106		P	46 - 139
Imazalil	83.6		P	40 - 139
Iprodione	243		F	40 - 146
Loratadine	87.2		P	10 - 224
Malathion	111		P	61 - 135
Metaxyl	92.9		P	58 - 121
Metolachlor	114		P	64 - 118
Metribuzin	98.8		P	45 - 245
Mevinphos	88.5		P	49 - 118
Molinate	80.0		P	42 - 92.0
Myclobutanil	112		P	55 - 127
Naled	76.6		P	10 - 114
Napropamide	94.1		P	39 - 121
Norflurazon	103		P	55 - 129
Oxadiazon	97.8		P	54 - 115
Oxyfluorfen	118		P	64 - 139
Parathion Ethyl	107		P	70 - 111
Parathion Methyl	129		P	76 - 136
Pendimethalin	104		P	52 - 118
Phenytol	145		P	10 - 162
Phorate	66.9		P	40 - 122
Prodiamine	87.0		P	26 - 141
Prometon	100		P	54 - 122
Prometryn	134		F	61 - 128
Pronamide	119		P	72 - 121
Propanil	96.5		P	45 - 144
Propargite	143		P	10 - 199
Propiconazole	105		P	56 - 127
Pyraflufen Ethyl	97.8		P	56 - 140
Pyridaben	137		P	26 - 211
Pyriproxyfen	161		P	33 - 194
Simazine	107		P	67 - 121
Stirophos	117		P	20 - 142
Sulfentrazone	83.9		P	21 - 144
Tebuconazole	110		P	10 - 122
Terbufos	118		P	60 - 129
Terbuthylazine	105		P	69 - 113
Thiobencarb	111		P	51 - 120
Triadimefon	96.9		P	56 - 114

Reference Method: EPA 8270E
Batch ID: P422151

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Piperonyl Butoxide	92.7		P	10 - 139

Reference Method: EPA 8276
Batch ID: P421589

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
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Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8276

Batch ID: P421589

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	74.5		P	61 - 116
Toxaphene	91.4		P	48 - 124

Reference Method: EPA 8321B

Batch ID: P421445

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	100		P	40 - 150
Aldicarb	106		P	30 - 150
Aldicarb Sulfone	109		P	40 - 150
Aldicarb Sulfoxide	99.0		P	40 - 150
Carbaryl	75.1		P	40 - 150
Carbofuran	80.5		P	40 - 150
Methiocarb	74.6		P	40 - 150
Methomyl	97.0		P	40 - 150
Oxamyl	99.8		P	40 - 150
Propoxur	71.9		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P421666

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	90.0		P	40 - 150
2,4,5-T	74.0		P	40 - 150
Acetaminophen	92.8		P	30 - 150
Acetamiprid	89.9		P	40 - 150
Afidopyropen	70.3		P	30 - 150
Bentazon	106		P	30 - 150
Benzovindiflupyr	92.8		P	40 - 150
Carbamazepine	94.4		P	40 - 150
Clothianidin	101		P	40 - 150
Dinotefuran	106		P	40 - 150
Diuron	84.1		P	40 - 150
Fenuron	104		P	40 - 150
Fluridone	100		P	40 - 150
Hydrocodone	98.5		P	40 - 150
Ibuprofen	89.5		P	40 - 150
Imazapyr	88.6		P	40 - 150
Imidacloprid	97.4		P	40 - 150
Linuron	91.5		P	40 - 150
Mandestrobin	87.5		P	40 - 150
MCPP	102		P	40 - 150
Naproxen	73.3		P	40 - 150
Primidone	99.1		P	40 - 150
Pyraclostrobin	78.7		P	40 - 150
Silvex	75.4		P	40 - 150
Thiamethoxam	93.8		P	40 - 150
Tolfenpyrad	50.6		P	30 - 150
Triclopyr	78.7		P	40 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P421714

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	90.2		P	40 - 150
AMPA	116		P	40 - 150
Endothall	101		P	40 - 150
Glufosinate	104		P	40 - 150
Glyphosate	103		P	40 - 150
Sucralose	83.0		P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
 Batch ID: P421589

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2365814	Aldrin	52.3	60.8	P/P	20 - 82.0
2365814	Alpha-BHC	88.7	88.7	P/P	71 - 109
2365814	Alpha-Chlordane	55.5	60.8	P/P	42 - 106
2365814	Beta-BHC	109	128	P/P	69 - 180
2365814	Beta-Cyfluthrin	64.0	73.7	P/P	18 - 175
2365814	Bifenthrin	62.1	77.7	P/P	21 - 128
2365814	Chlorothalonil	146	168	P/P	10 - 300
2365814	Cis-Nonachlor	61.8	66.7	P/P	34 - 106
2365814	Cypermethrin	66.7	76.3	P/P	22 - 158
2365814	Dacthal	91.0	87.1	P/P	54 - 116
2365814	DDD-p,p'	63.0	68.8	P/P	34 - 107
2365814	DDE-p,p'	68.1	69.6	P/P	33 - 110
2365814	DDT-p,p'	66.5	73.2	P/P	50 - 122
2365814	Delta-BHC	114	124	P/P	77 - 193
2365814	Deltamethrin	72.8	86.1	P/P	10 - 195
2365814	Dichlobenil	72.9	59.0	P/P	25 - 113
2365814	Dicofol	64.6	64.8	P/P	38 - 247
2365814	Endosulfan I	62.1	62.3	P/P	51 - 106
2365814	Endosulfan II	73.9	74.1	P/P	37 - 122
2365814	Endosulfan Sulfate	72.0	70.3	P/P	43 - 132
2365814	Endrin	68.3	57.2	P/P	29 - 101
2365814	Endrin Aldehyde	61.6	49.4	P/P	19 - 110
2365814	Endrin Ketone	79.2	105	P/P	60 - 140
2365814	Esfenvalerate	65.3	75.1	P/P	26 - 199
2365814	Ethalfuralin	70.3	75.4	P/P	45 - 99.0
2365814	Fenpropathrin	66.6	68.1	P/P	35 - 120
2365814	Gamma-BHC	96.4	97.8	P/P	63 - 128
2365814	Gamma-Chlordane	55.8	61.9	P/P	40 - 104
2365814	Heptachlor	58.0	63.6	P/P	36 - 97.0
2365814	Hexachlorobenzene	65.7	68.6	P/P	39 - 96.0
2365814	Kepone	63.4	96.4	P/P	10 - 217
2365814	Lambda-Cyhalothrin	58.4	70.3	P/P	21 - 193
2365814	Methoprene	61.8	66.2	P/P	20 - 106
2365814	Methoxychlor	79.3	83.7	P/P	53 - 118
2365814	MGK-264	88.2	84.5	P/P	40 - 118
2365814	Mirex	58.8	64.8	P/P	26 - 92.0
2365814	Oxychlordane	80.1	81.6	P/P	44 - 99.0
2365814	Permethrin	63.6	71.5	P/P	33 - 182
2365814	Phenothrin	52.4	58.9	P/P	10 - 129
2365814	Prallethrin	73.9	68.0	P/P	24 - 113
2365814	Tau-Fluvalinate	76.8	93.4	P/P	14 - 149
2365814	Tetramethrin	121	123	P/P	17 - 151
2365814	Trans-Nonachlor	63.1	71.3	P/P	42 - 102
2365814	Triclosan Methyl	72.2	70.7	P/P	48 - 108
2365814	Trifluralin	71.1	75.1	P/P	47 - 96.0
2366021	PCB-1016	73.1	76.8	P/P	46 - 111
2366021	PCB-1260	65.0	70.5	P/P	45 - 114

Reference Method: EPA 8270E
 Batch ID: P421632

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
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Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P421632

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2366022	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	90.4	113	P/P	26 - 165
2366022	Avobenzene	112	139	P/P	37 - 178
2366022	Dechlorane Plus	91.3	124	P/P	50 - 150
2366022	Octinoxate	82.7	99.3	P/P	21 - 159
2366022	Oxybenzone	79.4	92.1	P/P	41 - 142
2366022	PBDE-47	89.7	111	P/P	27 - 144
2366022	PBDE-99	80.0	105	P/P	18 - 150
2366022	Tri-o-cresyl Phosphate	78.2	94.4	P/P	31 - 144

Reference Method: EPA 8270E

Batch ID: P422125

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2367538	Acetochlor	99.6	91.5	P/P	67 - 124
2367538	Alachlor	86.7	74.5	P/P	60 - 120
2367538	Ametryn	112	101	P/P	54 - 216
2367538	Atrazine Desethyl	75.8	65.2	P/P	15 - 122
2367538	Azinphos Methyl	145	140	P/P	40 - 292
2367538	Azoxystrobin	130	129	P/P	35 - 220
2367538	Bromacil	125	125	P/P	45 - 127
2367538	Butylate	52.8	42.0	P/P	20 - 83.0
2367538	Caffeine	85.9	87.9	P/P	10 - 194
2367538	Carbophenothion	123	116	P/P	57 - 127
2367538	Carfentrazone Ethyl	128	117	P/P	51 - 141
2367538	Chlorfenapyr	101	106	P/P	46 - 111
2367538	Chlorpyrifos Ethyl	82.2	115	P/P	52 - 120
2367538	Chlorpyrifos Methyl	102	102	P/P	63 - 119
2367538	Coumaphos	110	97.6	P/P	10 - 228
2367538	Cyanazine	212	220	P/P	59 - 241
2367538	Cyprodinil	125	111	P/P	47 - 146
2367538	Demeton	131	115	P/P	40 - 136
2367538	Diazinon	88.8	85.6	P/P	69 - 132
2367538	Difenoconazole	103	89.9	P/P	57 - 258
2367538	Dimethenamid	79.4	74.3	P/P	54 - 110
2367538	Dimethomorph	135	115	P/P	28 - 210
2367538	Disulfoton	104	91.2	P/P	43 - 133
2367538	Dithiopyr	115	96.3	P/P	39 - 116
2367538	EPTC	55.2	40.6	P/P	20 - 78.0
2367538	Ethion	71.7	68.6	P/P	17 - 119
2367538	Ethoprop	117	115	P/P	66 - 120
2367538	Etridiazole	83.0	75.0	P/P	28 - 96.0
2367538	Fenamiphos	113	96.1	P/P	41 - 126
2367538	Fenbuconazole	114	85.0	P/P	42 - 169
2367538	Fipronil	139	126	F/P	61 - 132
2367538	Fipronil Desulfinyl	101	102	P/P	56 - 132
2367538	Fipronil Sulfide	96.9	90.4	P/P	48 - 119
2367538	Fipronil Sulfone	128	119	P/P	42 - 131
2367538	Fluazifop-P-butyl	105	110	P/P	53 - 131
2367538	Fludioxonil	111	93.9	P/P	56 - 127
2367538	Flumioxazin	89.5	90.7	P/P	19 - 300
2367538	Flutolanil	106	98.0	P/P	41 - 127
2367538	Fluxapyroxad	115	97.6	P/P	42 - 172

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P422125

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2367538	Fonofos	90.4	76.2	P/P	59 - 113
2367538	Hexazinone	113	103	P/P	66 - 122
2367538	Imazalil	102	98.3	P/P	21 - 283
2367538	Iprodione	266	248	F/F	43 - 150
2367538	Loratadine	92.1	85.3	P/P	23 - 201
2367538	Malathion	102	101	P/P	58 - 136
2367538	Metalaxyl	89.2	91.0	P/P	55 - 120
2367538	Metolachlor	119	119	P/P	57 - 121
2367538	Metribuzin	117	117	P/P	58 - 294
2367538	Mevinphos	99.5	87.3	P/P	50 - 126
2367538	Molinate	80.9	74.8	P/P	42 - 93.0
2367538	Myclobutanil	122	102	P/P	55 - 125
2367538	Naled	110	81.1	P/P	18 - 200
2367538	Napropamide	98.4	89.7	P/P	39 - 110
2367538	Oxadiazon	94.2	87.0	P/P	43 - 112
2367538	Oxyfluorfen	121	122	P/P	64 - 153
2367538	Parathion Ethyl	107	104	P/P	69 - 114
2367538	Parathion Methyl	134	125	P/P	79 - 139
2367538	Pendimethalin	119	99.6	P/P	50 - 139
2367538	Phenytion	116	157	P/F	10 - 146
2367538	Phorate	89.8	73.9	P/P	54 - 161
2367538	Prodiamine	75.5	78.3	P/P	30 - 161
2367538	Prometon	118	100	P/P	45 - 134
2367538	Prometryn	143	149	F/F	45 - 137
2367538	Pronamide	119	123	P/P	65 - 133
2367538	Propanil	91.5	96.8	P/P	49 - 142
2367538	Propargite	149	144	P/P	10 - 203
2367538	Propiconazole	112	93.8	P/P	38 - 146
2367538	Pyraflufen Ethyl	103	95.1	P/P	34 - 153
2367538	Pyridaben	167	144	P/P	12 - 192
2367538	Pyriproxyfen	139	164	P/P	33 - 180
2367538	Simazine	109	115	P/P	51 - 157
2367538	Stiropfos	113	126	P/P	10 - 128
2367538	Sulfentrazone	98.6	87.3	P/P	53 - 186
2367538	Tebuconazole	122	114	P/P	10 - 133
2367538	Terbufos	126	114	P/P	65 - 139
2367538	Terbuthylazine	103	99.3	P/P	66 - 117
2367538	Thiobencarb	108	117	P/P	51 - 119
2367538	Triadimefon	91.3	113	P/P	48 - 119

Reference Method: EPA 8270E
Batch ID: P422151

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368799	Piperonyl Butoxide	100	81.8	P/P	10 - 211

Reference Method: EPA 8276
Batch ID: P421589

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2366021	Chlordane	83.9	82.6	P/P	53 - 126
2366021	Toxaphene	89.8	98.1	P/P	56 - 211

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P421445

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2364462	3-Hydroxycarbofuran	91.5	113	P/P	40 - 150
2364462	Aldicarb	56.4	77.2	P/P	30 - 150
2364462	Aldicarb Sulfone	107	120	P/P	40 - 150
2364462	Aldicarb Sulfoxide	49.5	65.8	P/P	40 - 150
2364462	Carbaryl	67.8	70.9	P/P	40 - 150
2364462	Carbofuran	72.4	78.3	P/P	40 - 150
2364462	Methiocarb	67.4	75.6	P/P	40 - 150
2364462	Methomyl	85.1	104	P/P	40 - 150
2364462	Oxamyl	91.6	115	P/P	40 - 150
2364462	Propoxur	64.8	65.0	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P421666

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2365604	2,4-D	113	118	P/P	40 - 150
2365604	2,4,5-T	91.0	86.3	P/P	40 - 150
2365604	Acetaminophen	106	112	P/P	30 - 150
2365604	Acetamiprid	109	110	P/P	40 - 150
2365604	Afidopyropen	92.3	89.9	P/P	30 - 150
2365604	Bentazon	125	116	P/P	30 - 150
2365604	Benzovindiflupyr	97.5	99.7	P/P	40 - 150
2365604	Carbamazepine	105	95.7	P/P	40 - 150
2365604	Clothianidin	114	112	P/P	40 - 150
2365604	Dinotefuran	132	137	P/P	40 - 150
2365604	Diuron	86.0	82.0	P/P	40 - 150
2365604	Fenuron	106	109	P/P	40 - 150
2365604	Fluridone	117	113	P/P	40 - 150
2365604	Hydrocodone	113	118	P/P	40 - 150
2365604	Ibuprofen	85.8	88.7	P/P	40 - 150
2365604	Imazapyr	115	107	P/P	40 - 150
2365604	Imidacloprid	125	122	P/P	40 - 150
2365604	Linuron	99.2	89.7	P/P	40 - 150
2365604	Mandestrobin	96.7	91.6	P/P	40 - 150
2365604	MCPP	117	113	P/P	40 - 150
2365604	Naproxen	75.0	79.1	P/P	40 - 150
2365604	Primidone	113	108	P/P	40 - 150
2365604	Pyraclostrobin	93.3	92.6	P/P	40 - 150
2365604	Silvex	91.0	85.2	P/P	40 - 150
2365604	Thiamethoxam	120	117	P/P	40 - 150
2365604	Tolfenpyrad	50.9	51.1	P/P	30 - 150
2365604	Triclopyr	91.3	83.9	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P421714

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2366047	Acesulfame K	76.5	77.7	P/P	40 - 150
2366047	AMPA	85.9	92.7	P/P	40 - 150
2366047	Endothall	193	193	F/F	40 - 150
2366047	Glufosinate	81.1	90.0	P/P	40 - 150
2366047	Glyphosate	85.5	95.0	P/P	40 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P421714

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2366047	Sucralose	92.2	94.6	P/P	40 - 150

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P421589

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2365814	Aldrin	9.33	Spike	P	0 - 41
2365814	Alpha-BHC	0.0282	Spike	P	0 - 25
2365814	Alpha-Chlordane	1.95	Spike	P	0 - 33
2365814	Beta-BHC	15.2	Spike	P	0 - 36
2365814	Beta-Cyfluthrin	14.1	Spike	P	0 - 42
2365814	Bifenthrin	22.4	Spike	P	0 - 53
2365814	Chlorothalonil	14.1	Spike	P	0 - 71
2365814	Cis-Nonachlor	7.57	Spike	P	0 - 29
2365814	Cypermethrin	13.4	Spike	P	0 - 40
2365814	Dacthal	4.36	Spike	P	0 - 26
2365814	DDD-p,p'	8.85	Spike	P	0 - 39
2365814	DDE-p,p'	1.97	Spike	P	0 - 33
2365814	DDT-p,p'	9.54	Spike	P	0 - 40
2365814	Delta-BHC	8.74	Spike	P	0 - 37
2365814	Deltamethrin	16.8	Spike	P	0 - 100
2365814	Dichlobenil	21.1	Spike	P	0 - 40
2365814	Dicofol	0.200	Spike	P	0 - 31
2365814	Dieldrin	7.02	Spike	P	0 - 27
2365814	Endosulfan I	0.226	Spike	P	0 - 23
2365814	Endosulfan II	0.261	Spike	P	0 - 28
2365814	Endosulfan Sulfate	2.45	Spike	P	0 - 38
2365814	Endrin	14.9	Spike	P	0 - 63
2365814	Endrin Aldehyde	22.1	Spike	P	0 - 60
2365814	Endrin Ketone	21.2	Spike	P	0 - 37
2365814	Esfenvalerate	13.9	Spike	P	0 - 52
2365814	Ethalfuralin	7.05	Spike	P	0 - 23
2365814	Fenpropathrin	2.22	Spike	P	0 - 32
2365814	Gamma-BHC	1.41	Spike	P	0 - 17
2365814	Gamma-Chlordane	2.69	Spike	P	0 - 40
2365814	Heptachlor	9.16	Spike	P	0 - 29
2365814	Heptachlor Epoxide	2.88	Spike	P	0 - 25
2365814	Hexachlorobenzene	4.33	Spike	P	0 - 36
2365814	Kepone	41.3	Spike	P	0 - 93
2365814	Lambda-Cyhalothrin	18.5	Spike	P	0 - 55
2365814	Methoprene	6.90	Spike	P	0 - 53
2365814	Methoxychlor	5.29	Spike	P	0 - 29
2365814	MGK-264	4.29	Spike	P	0 - 35
2365814	Mirex	9.63	Spike	P	0 - 46
2365814	Oxychlordane	1.88	Spike	P	0 - 29
2365814	Permethrin	11.8	Spike	P	0 - 44
2365814	Phenothrin	11.8	Spike	P	0 - 56
2365814	Prallethrin	8.36	Spike	P	0 - 42
2365814	Tau-Fluvalinate	19.6	Spike	P	0 - 54
2365814	Tetramethrin	1.97	Spike	P	0 - 51
2365814	Trans-Nonachlor	9.85	Spike	P	0 - 37
2365814	Triclosan Methyl	2.08	Spike	P	0 - 31
2365814	Trifluralin	5.52	Spike	P	0 - 30
2366021	PCB-1016	4.96	Spike	P	0 - 32
2366021	PCB-1260	8.11	Spike	P	0 - 31

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P421632

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2366022	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	22.2	Spike	P	0 - 37
2366022	Avobenzene	21.2	Spike	P	0 - 36
2366022	Dechlorane Plus	30.4	Spike	F	0 - 30
2366022	Octinoxate	18.3	Spike	P	0 - 45
2366022	Oxybenzone	14.8	Spike	P	0 - 46
2366022	PBDE-47	21.7	Spike	P	0 - 36
2366022	PBDE-99	27.2	Spike	P	0 - 40
2366022	Tri-o-cresyl Phosphate	18.7	Spike	P	0 - 33

Reference Method: EPA 8270E

Batch ID: P422125

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2367538	Acetochlor	8.44	Spike	P	0 - 28
2367538	Alachlor	15.2	Spike	P	0 - 30
2367538	Ametryn	6.92	Spike	P	0 - 32
2367538	Atrazine	5.42	Spike	P	0 - 41
2367538	Atrazine Desethyl	11.8	Spike	P	0 - 36
2367538	Azinphos Methyl	3.09	Spike	P	0 - 75
2367538	Azoxystrobin	1.00	Spike	P	0 - 39
2367538	Bromacil	0.0178	Spike	P	0 - 33
2367538	Butylate	22.8	Spike	P	0 - 44
2367538	Caffeine	2.26	Spike	P	0 - 74
2367538	Carbophenothion	5.46	Spike	P	0 - 25
2367538	Carfentrazone Ethyl	8.98	Spike	P	0 - 27
2367538	Chlorfenapyr	5.15	Spike	P	0 - 24
2367538	Chlorpyrifos Ethyl	32.9	Spike	F	0 - 26
2367538	Chlorpyrifos Methyl	0.775	Spike	P	0 - 26
2367538	Coumaphos	11.7	Spike	P	0 - 28
2367538	Cyanazine	3.90	Spike	P	0 - 48
2367538	Cyprodinil	11.5	Spike	P	0 - 29
2367538	Demeton	13.3	Spike	P	0 - 33
2367538	Diazinon	3.63	Spike	P	0 - 29
2367538	Difenoconazole	14.0	Spike	P	0 - 34
2367538	Dimethenamid	6.58	Spike	P	0 - 39
2367538	Dimethomorph	16.2	Spike	P	0 - 51
2367538	Disulfoton	13.1	Spike	P	0 - 30
2367538	Dithiopyr	18.1	Spike	P	0 - 26
2367538	EPTC	30.6	Spike	P	0 - 43
2367538	Ethion	4.42	Spike	P	0 - 79
2367538	Ethoprop	2.20	Spike	P	0 - 29
2367538	Etridiazole	10.1	Spike	P	0 - 33
2367538	Fenamiphos	16.3	Spike	P	0 - 40
2367538	Fenbuconazole	29.3	Spike	P	0 - 74
2367538	Fipronil	10.1	Spike	P	0 - 29
2367538	Fipronil Desulfinyl	0.389	Spike	P	0 - 32
2367538	Fipronil Sulfide	6.88	Spike	P	0 - 30
2367538	Fipronil Sulfone	6.87	Spike	P	0 - 33
2367538	Fluazifop-P-butyl	4.81	Spike	P	0 - 38
2367538	Fludioxonil	16.5	Spike	P	0 - 29

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P422125

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2367538	Flumioxazin	1.35	Spike	P	0 - 51
2367538	Flutolanil	8.07	Spike	P	0 - 25
2367538	Fluxapyroxad	14.5	Spike	P	0 - 45
2367538	Fonofos	17.0	Spike	P	0 - 27
2367538	Hexazinone	5.13	Spike	P	0 - 30
2367538	Imazalil	3.96	Spike	P	0 - 100
2367538	Iprodione	6.84	Spike	P	0 - 33
2367538	Loratadine	7.73	Spike	P	0 - 56
2367538	Malathion	0.579	Spike	P	0 - 37
2367538	Metalaxyl	1.90	Spike	P	0 - 40
2367538	Metolachlor	0.366	Spike	P	0 - 29
2367538	Metribuzin	0.520	Spike	P	0 - 45
2367538	Mevinphos	13.1	Spike	P	0 - 29
2367538	Molinate	7.87	Spike	P	0 - 33
2367538	Myclobutanil	16.8	Spike	P	0 - 26
2367538	Naled	30.5	Spike	P	0 - 37
2367538	Napropamide	9.24	Spike	P	0 - 44
2367538	Norflurazon	13.8	Spike	P	0 - 30
2367538	Oxadiazon	6.28	Spike	P	0 - 28
2367538	Oxyfluorfen	0.736	Spike	P	0 - 28
2367538	Parathion Ethyl	3.15	Spike	P	0 - 31
2367538	Parathion Methyl	6.46	Spike	P	0 - 29
2367538	Pendimethalin	17.3	Spike	P	0 - 33
2367538	Phenytoin	30.3	Spike	P	0 - 100
2367538	Phorate	19.4	Spike	P	0 - 36
2367538	Prodiamine	3.65	Spike	P	0 - 71
2367538	Prometon	16.6	Spike	P	0 - 36
2367538	Prometryn	3.69	Spike	P	0 - 28
2367538	Pronamide	3.15	Spike	P	0 - 24
2367538	Propanil	5.67	Spike	P	0 - 28
2367538	Propargite	3.79	Spike	P	0 - 43
2367538	Propiconazole	13.5	Spike	P	0 - 33
2367538	Pyraflufen Ethyl	8.23	Spike	P	0 - 29
2367538	Pyridaben	14.9	Spike	P	0 - 30
2367538	Pyriproxyfen	16.5	Spike	P	0 - 79
2367538	Simazine	4.61	Spike	P	0 - 29
2367538	Stirophos	10.7	Spike	P	0 - 61
2367538	Sulfentrazone	10.3	Spike	P	0 - 33
2367538	Tebuconazole	6.71	Spike	P	0 - 69
2367538	Terbufos	10.1	Spike	P	0 - 29
2367538	Terbutylazine	3.51	Spike	P	0 - 32
2367538	Thiobencarb	8.03	Spike	P	0 - 26
2367538	Triadimefon	21.7	Spike	P	0 - 28

Reference Method: EPA 8270E
Batch ID: P422151

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368799	Piperonyl Butoxide	20.4	Spike	P	0 - 100

Quality Assurance Report Precision

Reference Method: EPA 8276

Batch ID: P421589

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2366021	Chlordane	1.54	Spike	P	0 - 25
2366021	Toxaphene	8.81	Spike	P	0 - 26

Reference Method: EPA 8321B

Batch ID: P421445

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2364462	3-Hydroxycarbofuran	21.2	Spike	P	0 - 30
2364462	Aldicarb	31.1	Spike	F	0 - 30
2364462	Aldicarb Sulfone	11.3	Spike	P	0 - 30
2364462	Aldicarb Sulfoxide	28.2	Spike	P	0 - 30
2364462	Carbaryl	4.45	Spike	P	0 - 30
2364462	Carbofuran	7.86	Spike	P	0 - 30
2364462	Methiocarb	11.4	Spike	P	0 - 30
2364462	Methomyl	20.0	Spike	P	0 - 30
2364462	Oxamyl	22.6	Spike	P	0 - 30
2364462	Propoxur	0.297	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P421666

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2365604	2,4-D	4.08	Spike	P	0 - 30
2365604	2,4,5-T	5.33	Spike	P	0 - 30
2365604	Acetaminophen	5.73	Spike	P	0 - 30
2365604	Acetamiprid	1.05	Spike	P	0 - 30
2365604	Afidopyropen	2.57	Spike	P	0 - 30
2365604	Bentazon	7.06	Spike	P	0 - 30
2365604	Benzovindiflupyr	2.29	Spike	P	0 - 30
2365604	Carbamazepine	9.38	Spike	P	0 - 30
2365604	Clothianidin	2.04	Spike	P	0 - 30
2365604	Dinotefuran	3.94	Spike	P	0 - 30
2365604	Diuron	4.70	Spike	P	0 - 30
2365604	Fenuron	2.56	Spike	P	0 - 30
2365604	Fluridone	3.54	Spike	P	0 - 30
2365604	Hydrocodone	3.68	Spike	P	0 - 30
2365604	Ibuprofen	3.35	Spike	P	0 - 30
2365604	Imazapyr	6.24	Spike	P	0 - 30
2365604	Imidacloprid	2.14	Spike	P	0 - 30
2365604	Linuron	9.96	Spike	P	0 - 30
2365604	Mandestrobin	5.49	Spike	P	0 - 30
2365604	MCPP	3.73	Spike	P	0 - 30
2365604	Naproxen	5.38	Spike	P	0 - 30
2365604	Primidone	4.72	Spike	P	0 - 30
2365604	Pyraclostrobin	0.682	Spike	P	0 - 30
2365604	Silvex	6.68	Spike	P	0 - 30
2365604	Thiamethoxam	2.35	Spike	P	0 - 30
2365604	Tolfenpyrad	0.521	Spike	P	0 - 30
2365604	Triclopyr	8.50	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P421714

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2366047	Acesulfame K	1.55	Spike	P	0 - 30
2366047	AMPA	6.57	Spike	P	0 - 30
2366047	Endothall	0.162	Spike	P	0 - 30
2366047	Glufosinate	10.4	Spike	P	0 - 30
2366047	Glyphosate	8.88	Spike	P	0 - 30
2366047	Sucralose	2.44	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2366046
Field Sample ID: AF70530

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	41.6	P	30 - 160

Lab Sample ID: 2366047
Field Sample ID: AF70530

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	113	P	30 - 160
EPA 8321B	Acetaminophen-d4	120	P	30 - 160
EPA 8321B	Carbamazepine-d10	68.2	P	30 - 160
EPA 8321B	Diuron-d6	50.1	P	30 - 160
EPA 8321B	Endothall-d6	174	F	30 - 160
EPA 8321B	Glyphosate 13C 15N	89.7	P	30 - 160
EPA 8321B	Ibuprofen-d3	70.8	P	30 - 160
EPA 8321B	Primidone-d5	113	P	30 - 160
EPA 8321B	Sucralose-d6	86.8	P	30 - 160

Lab Sample ID: 2366048
Field Sample ID: AF70530

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	121	P	29 - 130
EPA 8270E	Decachlorobiphenyl	55.4	P	30 - 118
EPA 8270E	Decachlorobiphenyl	72.6	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	72.6	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	55.1	P	30 - 97.0
EPA 8270E	Tetrachloro-m-xylene	58.5	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	73.5	P	30 - 101
EPA 8276	PCNB	107	P	48 - 121

Lab Sample ID: 2366049
Field Sample ID: AF70530

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	112	P	20 - 200
EPA 8270E	Simazine-d10	114	P	62 - 142
EPA 8270E	Terbufos-d10	101	P	58 - 132
EPA 8270E	Terphenyl-d14	106	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
 Run ID: A115645
 Included Lab Sample IDs: 2366046

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	113	116	P/P	60 - 150
Aldicarb	103	98.1	P/P	60 - 150
Aldicarb Sulfone	99.0	108	P/P	50 - 150
Aldicarb Sulfoxide	93.5	106	P/P	50 - 150
Carbaryl	109	103	P/P	60 - 150
Carbofuran	104	103	P/P	50 - 150
Methiocarb	105	103	P/P	50 - 150
Methomyl	97.1	110	P/P	50 - 150
Oxamyl	101	118	P/P	50 - 150
Propoxur	106	108	P/P	50 - 150

Reference Method: EPA 8321B
 Run ID: A115677
 Included Lab Sample IDs: 2366047

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	98.0	104	P/P	50 - 150
2,4,5-T	107	110	P/P	50 - 150
Acetaminophen	102	98.3	P/P	60 - 160
Acetamiprid	111	110	P/P	50 - 150
Afidopyropen	110	118	P/P	50 - 150
Bentazon	118	119	P/P	50 - 160
Benzovindiflupyr	119	125	P/P	50 - 150
Carbamazepine	117	119	P/P	60 - 150
Clothianidin	114	125	P/P	60 - 150
Dinotefuran	121	119	P/P	50 - 150
Diuron	107	106	P/P	60 - 160
Fenuron	106	111	P/P	60 - 150
Fluridone	121	120	P/P	60 - 160
Hydrocodone	120	120	P/P	60 - 150
Ibuprofen	88.7	113	P/P	50 - 160
Imazapyr	110	106	P/P	50 - 150
Imidacloprid	103	98.4	P/P	60 - 150
Linuron	117	125	P/P	60 - 150
Mandestrobin	111	113	P/P	50 - 150
MCPP	110	111	P/P	50 - 150
Naproxen	123	110	P/P	50 - 160
Primidone	116	107	P/P	60 - 150
Pyraclostrobin	117	111	P/P	60 - 150
Silvex	105	105	P/P	50 - 150
Thiamethoxam	117	113	P/P	50 - 150
Tolfenpyrad	119	118	P/P	60 - 150
Triclopyr	105	115	P/P	50 - 150

Reference Method: EPA 8321B
 Run ID: A115696
 Included Lab Sample IDs: 2366047

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	108	103	P/P	60 - 160
Endothall	98.0	96.2	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A115696
Included Lab Sample IDs: 2366047

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Glufosinate	106	88.4	P/P	60 - 160
Glyphosate	97.6	101	P/P	60 - 160

Reference Method: EPA 8276
Run ID: A115717
Included Lab Sample IDs: 2366048

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	103		P	80 - 120
Toxaphene	110		P	80 - 120

Reference Method: EPA 8270E
Run ID: A115731
Included Lab Sample IDs: 2366048

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	97.8		P	80 - 120
PCB-1260	97.4		P	80 - 120

Reference Method: EPA 8270E
Run ID: A115771
Included Lab Sample IDs: 2366049

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	99.0		P	80 - 120
Avobenzene	97.4		P	80 - 120
Dechlorane Plus	93.6		P	80 - 120
Octinoxate	101		P	80 - 120
Oxybenzone	99.0		P	80 - 120
PBDE-47	98.9		P	80 - 120
PBDE-99	100		P	80 - 120
Tri-o-cresyl Phosphate	101		P	80 - 120

Reference Method: EPA 8270E
Run ID: A115779
Included Lab Sample IDs: 2366048

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	96.7		P	80 - 120
Alpha-BHC	99.3		P	80 - 120
Alpha-Chlordane	104		P	80 - 120
Beta-BHC	82.2		P	80 - 120
Beta-Cyfluthrin	96.2		P	80 - 120
Bifenthrin	115		P	80 - 120
Chlorothalonil	92.2		P	80 - 120
Cis-Nonachlor	105		P	80 - 120
Cypermethrin	98.3		P	80 - 120
Dacthal	103		P	80 - 120
DDD-p,p'	104		P	80 - 120
DDE-p,p'	104		P	80 - 120
DDT-p,p'	99.6		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A115779
Included Lab Sample IDs: 2366048

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Delta-BHC	87.3		P	80 - 120
Deltamethrin	93.7		P	80 - 120
Dichlobenil	86.4		P	80 - 120
Dicofol	88.4		P	80 - 120
Dieldrin	105		P	80 - 120
Endosulfan I	106		P	80 - 120
Endosulfan II	102		P	80 - 120
Endosulfan Sulfate	94.3		P	80 - 120
Endrin	105		P	80 - 120
Endrin Aldehyde	100		P	80 - 120
Endrin Ketone	97.5		P	80 - 120
Esfenvalerate	98.3		P	80 - 120
Ethalfuralin	101		P	80 - 120
Fenpropathrin	105		P	80 - 120
Gamma-BHC	96.1		P	80 - 120
Gamma-Chlordane	103		P	80 - 120
Heptachlor	98.3		P	80 - 120
Heptachlor Epoxide	104		P	80 - 120
Hexachlorobenzene	97.7		P	80 - 120
Kepone	94.9		P	80 - 120
Lambda-Cyhalothrin	101		P	80 - 120
Methoprene	106		P	80 - 120
Methoxychlor	99.7		P	80 - 120
MGK-264	105		P	80 - 120
Mirex	106		P	80 - 120
Oxychlordane	101		P	80 - 120
Permethrin	102		P	80 - 120
Phenothrin	106		P	80 - 120
Prallethrin	101		P	80 - 120
Tau-Fluvalinate	88.3		P	80 - 120
Tetramethrin	110		P	80 - 120
Trans-Nonachlor	110		P	80 - 120
Triclosan Methyl	102		P	80 - 120
Trifluralin	98.0		P	80 - 120

Reference Method: EPA 8321B
Run ID: A115783
Included Lab Sample IDs: 2366047

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	84.6	86.9	P/P	60 - 160
Sucralose	81.0	80.8	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A115866
Included Lab Sample IDs: 2366049

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	96.3		P	80 - 120
Alachlor	92.5		P	80 - 120
Ametryn	84.9		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A115866
Included Lab Sample IDs: 2366049

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	101		P	80 - 120
Atrazine Desethyl	93.7		P	80 - 120
Azinphos Methyl	86.5		P	80 - 120
Azoxystrobin	99.6		P	80 - 120
Bromacil	87.9		P	80 - 120
Butylate	91.0		P	80 - 120
Caffeine	95.4		P	80 - 120
Carbophenothion	89.7		P	80 - 120
Carfentrazone Ethyl	95.3		P	80 - 120
Chlorfenapyr	90.3		P	80 - 120
Chlorpyrifos Ethyl	93.9		P	80 - 120
Chlorpyrifos Methyl	95.8		P	80 - 120
Coumaphos	83.0		P	80 - 120
Cyanazine	92.0		P	80 - 120
Cyprodinil	80.6		P	80 - 120
Demeton	95.6		P	80 - 120
Diazinon	89.7		P	80 - 120
Difenoconazole	82.6		P	80 - 120
Dimethenamid	96.2		P	80 - 120
Dimethomorph	106		P	80 - 120
Disulfoton	103		P	80 - 120
Dithiopyr	82.2		P	80 - 120
EPTC	96.4		P	80 - 120
Ethion	85.9		P	80 - 120
Ethoprop	98.7		P	80 - 120
Etridiazole	98.1		P	80 - 120
Fenamiphos	90.6		P	80 - 120
Fenbuconazole	89.1		P	80 - 120
Fipronil	97.9		P	80 - 120
Fipronil Desulfinyl	80.6		P	80 - 120
Fipronil Sulfide	83.9		P	80 - 120
Fipronil Sulfone	93.9		P	80 - 120
Fluazifop-P-butyl	88.0		P	80 - 120
Fludioxonil	88.3		P	80 - 120
Flumioxazin	88.8		P	80 - 120
Flutolanil	92.7		P	80 - 120
Fluxapyroxad	83.8		P	80 - 120
Fonofos	90.4		P	80 - 120
Hexazinone	97.6		P	80 - 120
Imazalil	90.6		P	80 - 120
Iprodione	96.7		P	80 - 120
Loratadine	85.1		P	80 - 120
Malathion	94.6		P	80 - 120
Metalaxyl	81.6		P	80 - 120
Metolachlor	94.8		P	80 - 120
Metribuzin	95.5		P	80 - 120
Mevinphos	92.1		P	80 - 120
Molinate	103		P	80 - 120
Myclobutanil	92.8		P	80 - 120
Naled	90.2		P	80 - 120
Napropamide	87.2		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A115866
Included Lab Sample IDs: 2366049

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Norflurazon	94.2		P	80 - 120
Oxadiazon	91.1		P	80 - 120
Oxyfluorfen	87.6		P	80 - 120
Parathion Ethyl	103		P	80 - 120
Parathion Methyl	101		P	80 - 120
Pendimethalin	103		P	80 - 120
Phenytoin	90.7		P	80 - 120
Phorate	96.2		P	80 - 120
Prodiamine	91.3		P	80 - 120
Prometon	100		P	80 - 120
Prometryn	80.8		P	80 - 120
Pronamide	91.1		P	80 - 120
Propanil	85.5		P	80 - 120
Propargite	82.0		P	80 - 120
Propiconazole	90.7		P	80 - 120
Pyraflufen Ethyl	92.0		P	80 - 120
Pyridaben	91.7		P	80 - 120
Pyriproxyfen	89.4		P	80 - 120
Simazine	104		P	80 - 120
Stirophos	91.5		P	80 - 120
Sulfentrazone	83.0		P	80 - 120
Tebuconazole	82.4		P	80 - 120
Terbufos	92.2		P	80 - 120
Terbuthylazine	94.3		P	80 - 120
Thiobencarb	97.6		P	80 - 120
Triadimefon	94.9		P	80 - 120

Reference Method: EPA 8270E
Run ID: A115986
Included Lab Sample IDs: 2366048

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Piperonyl Butoxide	101		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	MS
						SMP	
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	114	90.4	113			22.2
	Acetochlor	107	99.6	91.5			8.44
	Alachlor	85.3	86.7	74.5			15.2
	Aldrin	51.6	52.3	60.8			9.33
	Alpha-BHC	90.4	88.7	88.7			0.0282
	Alpha-Chlordane	68.6	55.5	60.8			1.95
	Ametryn	107	112	101			6.92
	Atrazine	103					5.42
	Atrazine Desethyl	77.9	75.8	65.2			11.8
	Avobenzone	123	112	139			21.2
	Azinphos Methyl	155	145	140			3.09
	Azoxystrobin	109	130	129			1.00
	Beta-BHC	101	109	128			15.2
	Beta-Cyfluthrin	58.8	64.0	73.7			14.1
	Bifenthrin	50.2	62.1	77.7			22.4
	Bromacil	119	125	125			0.0178
	Butylate	62.5	52.8	42.0			22.8
	Caffeine	78.2	85.9	87.9			2.26
	Carbophenothion	110	123	116			5.46
	Carfentrazone Ethyl	114	128	117			8.98
	Chlorfenapyr	107	101	106			5.15
	Chlorothalonil	129	146	168			14.1
	Chlorpyrifos Ethyl	92.9	82.2	115			32.9
	Chlorpyrifos Methyl	104	102	102			0.775
	Cis-Nonachlor	61.1	61.8	66.7			7.57
	Coumaphos	103	110	97.6			11.7
	Cyanazine	204	212	220			3.90
	Cypermethrin	62.3	66.7	76.3			13.4
	Cyprodinil	123	125	111			11.5
	Dacthal	86.9	91.0	87.1			4.36
	DDD-p,p'	64.2	63.0	68.8			8.85
	DDE-p,p'	65.4	68.1	69.6			1.97
	DDT-p,p'	70.7	66.5	73.2			9.54
	Dechlorane Plus	129	91.3	124			30.4
	Delta-BHC	106	114	124			8.74
	Deltamethrin	74.7	72.8	86.1			16.8
	Demeton	92.7	131	115			13.3
	Diazinon	94.6	88.8	85.6			3.63
	Dichlobenil	78.2	72.9	59.0			21.1
	Dicofol	68.3	64.6	64.8			0.200
	Dieldrin	71.3					7.02
	Difenoconazole	93.1	103	89.9			14.0
	Dimethenamid	81.1	79.4	74.3			6.58
	Dimethomorph	106	135	115			16.2
	Disulfoton	104	104	91.2			13.1
	Dithiopyr	100	115	96.3			18.1
	Endosulfan I	75.6	62.1	62.3			0.226
	Endosulfan II	70.9	73.9	74.1			0.261
	Endosulfan Sulfate	77.2	72.0	70.3			2.45
	Endrin	72.0	68.3	57.2			14.9
	Endrin Aldehyde	69.6	61.6	49.4			22.1
	Endrin Ketone	80.8	79.2	105			21.2

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	EPTC	60.1	55.2	40.6		30.6
	Esfenvalerate	60.4	65.3	75.1		13.9
	Ethalfuralin	71.7	70.3	75.4		7.05
	Ethion	75.7	71.7	68.6		4.42
	Ethoprop	108	117	115		2.20
	Etridiazole	85.3	83.0	75.0		10.1
	Fenamiphos	111	113	96.1		16.3
	Fenbuconazole	84.8	114	85.0		29.3
	Fenpropathrin	60.1	66.6	68.1		2.22
	Fipronil	94.1	139	126		10.1
	Fipronil Desulfinyl	97.7	101	102		0.389
	Fipronil Sulfide	84.2	96.9	90.4		6.88
	Fipronil Sulfone	87.8	128	119		6.87
	Fluazifop-P-butyl	106	105	110		4.81
	Fludioxonil	100	111	93.9		16.5
	Flumioxazin	95.4	89.5	90.7		1.35
	Flutolanil	100	106	98.0		8.07
	Fluxapyroxad	108	115	97.6		14.5
	Fonofos	90.9	90.4	76.2		17.0
	Gamma-BHC	92.5	96.4	97.8		1.41
	Gamma-Chlordane	65.9	55.8	61.9		2.69
	Heptachlor	60.7	58.0	63.6		9.16
	Heptachlor Epoxide	76.1				2.88
	Hexachlorobenzene	69.5	65.7	68.6		4.33
	Hexazinone	106	113	103		5.13
	Imazalil	83.6	102	98.3		3.96
	Iprodione	243	266	248		6.84
	Kepone	54.9	63.4	96.4		41.3
	Lambda-Cyhalothrin	48.4	58.4	70.3		18.5
	Loratadine	87.2	92.1	85.3		7.73
	Malathion	111	102	101		0.579
	Metalaxyl	92.9	89.2	91.0		1.90
	Methoprene	50.7	61.8	66.2		6.90
	Methoxychlor	85.3	79.3	83.7		5.29
	Metolachlor	114	119	119		0.366
	Metribuzin	98.8	117	117		0.520
	Mevinphos	88.5	99.5	87.3		13.1
	MGK-264	80.0	88.2	84.5		4.29
	Mirex	47.9	58.8	64.8		9.63
	Molinate	80.0	80.9	74.8		7.87
	Myclobutanil	112	122	102		16.8
	Naled	76.6	110	81.1		30.5
	Napropamide	94.1	98.4	89.7		9.24
	Norflurazon	103				13.8
	Octinoxate	104	82.7	99.3		18.3
	Oxadiazon	97.8	94.2	87.0		6.28
	Oxybenzone	101	79.4	92.1		14.8
	Oxychlordane	66.8	80.1	81.6		1.88
	Oxyfluorfen	118	121	122		0.736
	Parathion Ethyl	107	107	104		3.15
	Parathion Methyl	129	134	125		6.46
	PBDE-47	118	89.7	111		21.7
	PBDE-99	113	80.0	105		27.2
	PCB-1016	70.1	73.1	76.8		4.96

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	PCB-1260	65.6	65.0	70.5		8.11
	Pendimethalin	104	119	99.6		17.3
	Permethrin	60.8	63.6	71.5		11.8
	Phenothrin	46.3	52.4	58.9		11.8
	Phenytoin	145	116	157		30.3
	Phorate	66.9	89.8	73.9		19.4
	Piperonyl Butoxide	92.7	81.8	100		20.4
	Prallethrin	68.1	73.9	68.0		8.36
	Prodiamine	87.0	75.5	78.3		3.65
	Prometon	100	118	100		16.6
	Prometryn	134	143	149		3.69
	Pronamide	119	119	123		3.15
	Propanil	96.5	91.5	96.8		5.67
	Propargite	143	149	144		3.79
	Propiconazole	105	112	93.8		13.5
	Pyraflufen Ethyl	97.8	103	95.1		8.23
	Pyridaben	137	167	144		14.9
	Pyriproxyfen	161	139	164		16.5
	Simazine	107	109	115		4.61
	Stirophos	117	113	126		10.7
	Sulfentrazone	83.9	98.6	87.3		10.3
	Tau-Fluvalinate	70.6	76.8	93.4		19.6
	Tebuconazole	110	122	114		6.71
	Terbufos	118	126	114		10.1
	Terbutylazine	105	103	99.3		3.51
	Tetramethrin	110	121	123		1.97
	Thiobencarb	111	108	117		8.03
	Trans-Nonachlor	67.4	63.1	71.3		9.85
	Tri-o-cresyl Phosphate	104	78.2	94.4		18.7
	Triadimefon	96.9	91.3	113		21.7
	Triclosan Methyl	74.2	72.2	70.7		2.08
	Trifluralin	71.7	71.1	75.1		5.52
EPA 8276	Chlordane	74.5	83.9	82.6		1.54
	Toxaphene	91.4	89.8	98.1		8.81
EPA 8321B	2,4-D	90.0	113	118		4.08
	2,4,5-T	74.0	91.0	86.3		5.33
	3-Hydroxycarbofuran	100	91.5	113		21.2
	Acesulfame K	90.2	76.5	77.7		1.55
	Acetaminophen	92.8	106	112		5.73
	Acetamiprid	89.9	109	110		1.05
	Afidopyropen	70.3	92.3	89.9		2.57
	Aldicarb	106	56.4	77.2		31.1
	Aldicarb Sulfone	109	107	120		11.3
	Aldicarb Sulfoxide	99.0	49.5	65.8		28.2
	AMPA	116	85.9	92.7		6.57
	Bentazon	106	125	116		7.06
	Benzovindiflupyr	92.8	97.5	99.7		2.29
	Carbamazepine	94.4	105	95.7		9.38
	Carbaryl	75.1	67.8	70.9		4.45
	Carbofuran	80.5	72.4	78.3		7.86
	Clothianidin	101	114	112		2.04
	Dinotefuran	106	132	137		3.94
	Diuron	84.1	86.0	82.0		4.70
	Endothall	101	193	193		0.162

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision LCS	SMP	MS
EPA 8321B	Fenuron	104	106	109			2.56
	Fluridone	100	117	113			3.54
	Glufosinate	104	81.1	90.0			10.4
	Glyphosate	103	85.5	95.0			8.88
	Hydrocodone	98.5	113	118			3.68
	Ibuprofen	89.5	85.8	88.7			3.35
	Imazapyr	88.6	115	107			6.24
	Imidacloprid	97.4	125	122			2.14
	Linuron	91.5	99.2	89.7			9.96
	Mandestrobin	87.5	96.7	91.6			5.49
	MCPP	102	117	113			3.73
	Methiocarb	74.6	67.4	75.6			11.4
	Methomyl	97.0	85.1	104			20.0
	Naproxen	73.3	75.0	79.1			5.38
	Oxamyl	99.8	91.6	115			22.6
	Primidone	99.1	113	108			4.72
	Propoxur	71.9	64.8	65.0			0.297
	Pyraclostrobin	78.7	93.3	92.6			0.682
	Silvex	75.4	91.0	85.2			6.68
	Sucralose	83.0	92.2	94.6			2.44
	Thiamethoxam	93.8	120	117			2.35
	Tolfenpyrad	50.6	50.9	51.1			0.521
	Triclopyr	78.7	91.3	83.9			8.50

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2366049
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2366048
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2366049
EPA 8270E	PCBs in water matrices by GC/MS/MS	2366048
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2366048
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2366046
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2366047

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	10/28/2022	10/31/2022 08:00	Fe-Val Siddell	11/02/2022 20:07	Vandana T. Nagar	2366048
	10/28/2022	10/31/2022 08:00	Fe-Val Siddell	11/04/2022 02:12	Julie Wi	2366048
	10/28/2022	11/01/2022 08:30	Rasheda Ghaffari	11/04/2022 16:20	Arthur Maknenko	2366049
	10/28/2022	11/08/2022 08:30	Rasheda Ghaffari	11/09/2022 21:44	Michael Poppell	2366049
	10/28/2022	11/08/2022 08:30	Rasheda Ghaffari	11/09/2022 22:11	Michael Poppell	2366049
	10/28/2022	11/10/2022 08:30	Rasheda Ghaffari	11/15/2022 23:59	Julie Wi	2366048
	10/28/2022	10/31/2022 08:00	Fe-Val Siddell	11/02/2022 11:00	Lipi Saha	2366048
EPA 8276	10/28/2022	10/31/2022 09:30	June Rhew	10/31/2022 16:25	Juyoung Kim	2366046
EPA 8321B	10/28/2022	11/01/2022 09:30	June Rhew	11/01/2022 22:56	Juyoung Kim	2366047
	10/28/2022	11/02/2022 12:00	Umesh Chiluwal	11/02/2022 13:25	Umesh Chiluwal	2366047
	10/28/2022	11/02/2022 12:00	Umesh Chiluwal	11/03/2022 05:10	Umesh Chiluwal	2366047