

Chemical Analysis Report

SO-DIST-2022-10-19-01

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

Event Description: **2022 SMP: DeSoto Cricks**
Request ID: **RQ-2022-09-26-17**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
Attn: William Mullen

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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 08-NOV-2022 10:13

A handwritten signature in black ink that reads "Kerry Tate". The signature is written in a cursive, flowing style with a horizontal line extending from the end of the name.

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: Joshua Creek above Peace River

Collection Date/Time: 10/18/2022 09:50

Field ID: G3SD0159

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363307	EPA 8321B	Aldicarb	0.020	U	ug/L	P421082	
		Aldicarb Sulfone	0.0020	U	ug/L	P421082	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P421082	
		Carbaryl	0.0020	U	ug/L	P421082	
		Carbofuran	0.0020	U	ug/L	P421082	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P421082	
		Methiocarb	0.0020	U	ug/L	P421082	
		Methomyl	0.0020	U	ug/L	P421082	
		Oxamyl	0.0020	U	ug/L	P421082	
		Propoxur	0.0020	U	ug/L	P421082	
2363308		Acesulfame K	0.10	U	ug/L	P421007	
		2,4-D	0.45		ug/L	P421081	
		AMPA	1.2		ug/L	P421007	
		2,4,5-T	0.0040	U	ug/L	P421081	
		Acetaminophen	0.0080	U	ug/L	P421081	
		Acetamiprid	0.0020	U	ug/L	P421081	
		Endothall	0.25	UJ	ug/L	P421007	SUR
		Glufosinate	0.10	U	ug/L	P421007	
		Glyphosate	1.3		ug/L	P421007	
		Afidopyropen	0.0020	U	ug/L	P421081	
		Sucralose	0.074		ug/L	P421007	
		Bentazon	0.0024	I	ug/L	P421081	
		Benzovindiflupyr	0.0020	U	ug/L	P421081	
		Carbamazepine	8.0E-04	U	ug/L	P421081	
		Clothianidin	0.073		ug/L	P421081	
		Dinotefuran	0.0020	U	ug/L	P421081	
		Diuron	0.027		ug/L	P421081	
		Fenuron	0.032	U	ug/L	P421081	
		Fluridone	8.0E-04	U	ug/L	P421081	
		Imazapyr	0.010	I	ug/L	P421081	
		Hydrocodone	0.0020	U	ug/L	P421081	
		Ibuprofen	0.20	U	ug/L	P421081	
		Imidacloprid	0.36		ug/L	P421081	
		Linuron	0.0040	U	ug/L	P421081	
		Mandestrobin	0.0020	U	ug/L	P421081	
		MCPP	0.0040	U	ug/L	P421081	
		Naproxen	0.0080	U	ug/L	P421081	
		Primidone	0.0040	U	ug/L	P421081	
		Pyraclostrobin	0.0020	U	ug/L	P421081	
		Silvex	0.0040	U	ug/L	P421081	
		Thiamethoxam	0.18		ug/L	P421081	
		Tolfenpyrad	0.0020	U	ug/L	P421081	
		Triclopyr	0.0040	U	ug/L	P421081	
2363316	EPA 8270E	Aldrin	0.69	U	ng/L	P421246	

Field ID: G3SD0159

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363316	EPA 8270E	Alpha-BHC	0.11	U	ng/L	P421246	
		Alpha-Chlordane	0.21	U	ng/L	P421246	
		PCB-1016	2.1	U	ng/L	P421246	
		Beta-BHC	0.11	U	ng/L	P421246	
		PCB-1221	2.1	U	ng/L	P421246	
		Beta-Cyfluthrin	1.3	U	ng/L	P421246	
		PCB-1232	2.1	U	ng/L	P421246	
		Bifenthrin	0.53	U	ng/L	P421246	
		PCB-1242	2.1	U	ng/L	P421246	
		PCB-1248	2.1	U	ng/L	P421246	
		Chlorothalonil	1.8	I	ng/L	P421246	
		PCB-1254	2.1	U	ng/L	P421246	
		Cis-Nonachlor	0.21	U	ng/L	P421246	
		PCB-1260	2.1	U	ng/L	P421246	
		Cypermethrin	1.6	U	ng/L	P421246	
		Dacthal	0.16	U	ng/L	P421246	
		DDD-p,p'	0.27	U	ng/L	P421246	
		DDE-p,p'	0.21	U	ng/L	P421246	
		DDT-p,p'	0.27	U	ng/L	P421246	
		Delta-BHC	0.42	U	ng/L	P421246	
		Deltamethrin	1.3	U	ng/L	P421246	
		Dichlobenil	0.27	U	ng/L	P421246	
		Dicofol	1.3	U	ng/L	P421246	
		Dieldrin	0.42	U	ng/L	P421246	
		Endosulfan I	0.94	I	ng/L	P421246	
		Endosulfan II	0.42	U	ng/L	P421246	
		Endosulfan Sulfate	0.32	U	ng/L	P421246	
		Endrin	1.2	I	ng/L	P421246	
		Endrin Aldehyde	0.80	U	ng/L	P421246	
		Endrin Ketone	0.42	UJ	ng/L	P421246	LCS
		Esfenvalerate	0.80	U	ng/L	P421246	
		Ethalfuralin	0.16	U	ng/L	P421246	
		Fenpropathrin	0.27	U	ng/L	P421246	
		Gamma-BHC	0.13	UJ	ng/L	P421246	LCS
		Gamma-Chlordane	0.21	U	ng/L	P421246	
		Heptachlor	0.21	U	ng/L	P421246	
		Heptachlor Epoxide	0.27	U	ng/L	P421246	
		Hexachlorobenzene**	1.1	U	ng/L	P421246	
		Kepone	5.3	U	ng/L	P421246	
		Lambda-Cyhalothrin	0.80	U	ng/L	P421246	
		Methoprene	0.80	U	ng/L	P421246	
		Methoxychlor	0.32	UJ	ng/L	P421246	CCV
		MGK-264	0.21	U	ng/L	P421246	
		Mirex	0.37	U	ng/L	P421246	
		Oxychlordane	0.32	U	ng/L	P421246	

Field ID: G3SD0159

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363316	EPA 8270E	Permethrin	1.7	U	ng/L	P421246	
		Phenothrin	0.96	U	ng/L	P421246	
		Piperonyl Butoxide	0.16	U	ng/L	P421246	
		Prallethrin	2.1	U	ng/L	P421246	
		Tau-Fluvalinate	0.27	U	ng/L	P421246	
		Tetramethrin	0.80	UJ	ng/L	P421246	CCV
		Trans-Nonachlor	0.21	U	ng/L	P421246	
		Triclosan Methyl	0.16	U	ng/L	P421246	
		Trifluralin	0.35	I	ng/L	P421246	
		Chlordane	2.7	U	ng/L	P421246	RPD
2363317	EPA 8270E	Toxaphene	16	U	ng/L	P421246	
		Oxybenzone**	9.9	U	ng/L	P421054	
		Acetochlor	0.25	U	ng/L	P421054	
		Octinoxate**	20	U	ng/L	P421054	
		Alachlor	0.25	U	ng/L	P421054	
		Avobenzone**	99	U	ng/L	P421054	
		Ametryn	0.59	U	ng/L	P421054	
		Atrazine	0.69	I	ng/L	P421054	
		PBDE-47**	3.9	U	ng/L	P421054	
		Atrazine Desethyl	1.5	U	ng/L	P421054	
		PBDE-99**	4.9	U	ng/L	P421054	
		Azinphos Methyl	2.0	U	ng/L	P421054	
		Tri-o-cresyl Phosphate**	5.9	U	ng/L	P421054	
		Azoxystrobin	2.8		ng/L	P421054	
		Bromacil	210		ng/L	P421054	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	U	ng/L	P421054	
		Butylate	0.39	U	ng/L	P421054	
		Dechlorane Plus**	30	U	ng/L	P421054	
		Caffeine**	160		ng/L	P421054	
		Carbophenothion	0.20	U	ng/L	P421054	
		Carfentrazone Ethyl	0.099	U	ng/L	P421054	
		Chlorfenapyr	0.17	U	ng/L	P421054	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P421054	
		Chlorpyrifos Methyl	0.049	U	ng/L	P421054	
		Coumaphos	0.49	U	ng/L	P421054	
		Cyanazine	3.2	U	ng/L	P421054	
		Cyprodinil	0.099	U	ng/L	P421054	
		Demeton	1.5	U	ng/L	P421054	
		Diazinon	0.19	I	ng/L	P421054	
		Difenoconazole	0.59	U	ng/L	P421054	
		Dimethenamid	0.099	U	ng/L	P421054	
		Dimethomorph	0.17	U	ng/L	P421054	
		Disulfoton	0.49	U	ng/L	P421054	
		Dithiopyr	0.62	U	ng/L	P421054	

Field ID: G3SD0159

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363317	EPA 8270E	EPTC	1.2	U	ng/L	P421054	
		Ethion	0.15	UJ	ng/L	P421054	LCS
		Ethoprop	0.099	U	ng/L	P421054	
		Etridiazole	0.15	U	ng/L	P421054	
		Fenamiphos	0.49	U	ng/L	P421054	
		Fenbuconazole	1.1		ng/L	P421054	
		Fipronil	0.25	U	ng/L	P421054	
		Fipronil Desulfinyl**	0.15	I	ng/L	P421054	
		Fipronil Sulfide	0.15	U	ng/L	P421054	
		Fipronil Sulfone	0.15	U	ng/L	P421054	
		Fluazifop-P-butyl	0.099	U	ng/L	P421054	
		Fludioxonil	0.12	U	ng/L	P421054	
		Flumioxazin	4.4	U	ng/L	P421054	
		Flutolanil	2.9		ng/L	P421054	
		Fluxapyroxad	0.099	U	ng/L	P421054	
		Fonofos	0.20	U	ng/L	P421054	RPD
		Hexazinone	34		ng/L	P421054	
		Imazalil	0.74	U	ng/L	P421054	
		Iprodione	0.59	U	ng/L	P421054	
		Loratadine**	0.35	U	ng/L	P421054	
		Malathion	1.7		ng/L	P421054	
		Metalaxyl	11		ng/L	P421054	
		Metolachlor	4.8		ng/L	P421054	
		Metribuzin	1.5	U	ng/L	P421054	
		Mevinphos	1.0	U	ng/L	P421054	
		Molinate	0.30	U	ng/L	P421054	
		Myclobutanil	0.25	U	ng/L	P421054	
		Naled	1.5	U	ng/L	P421054	
		Napropamide	0.39	UJ	ng/L	P421054	LCS
		Norflurazon	400		ng/L	P421054	
		Oxadiazon	0.30	U	ng/L	P421054	
		Oxyfluorfen	0.15	U	ng/L	P421054	
		Parathion Ethyl	0.25	U	ng/L	P421054	
		Parathion Methyl	0.54	U	ng/L	P421054	
		Pendimethalin	0.99	U	ng/L	P421054	
		Phenytol**	3.5	U	ng/L	P421054	
		Phorate	0.52	U	ng/L	P421054	
		Prodiamine	0.17	U	ng/L	P421054	
		Prometon	0.89	U	ng/L	P421054	
		Prometryn	0.20	U	ng/L	P421054	
		Pronamide	0.15	U	ng/L	P421054	
		Propanil	0.12	U	ng/L	P421054	
		Propargite	1.5	U	ng/L	P421054	
		Propiconazole	0.49	U	ng/L	P421054	
		Pyraflufen Ethyl	0.25	U	ng/L	P421054	

Field ID: G3SD0159

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363317	EPA 8270E	Pyridaben	0.44	U	ng/L	P421054	
		Pyriproxyfen	0.12	U	ng/L	P421054	
		Simazine	0.49	U	ng/L	P421054	
		Stirophos	0.12	U	ng/L	P421054	
		Sulfentrazone	2.3		ng/L	P421054	
		Tebuconazole	2.8		ng/L	P421054	
		Terbufos	0.099	U	ng/L	P421054	
		Terbuthylazine	0.42	U	ng/L	P421054	
		Thiobencarb	0.59	U	ng/L	P421054	
		Triadimefon	0.25	U	ng/L	P421054	

Ref. Method and Comment:
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for sulfentrazone not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: FB

Collection Date/Time: 10/18/2022 10:15

Field ID: FB_10182022

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363310	EPA 8321B	Aldicarb	0.020	U	ug/L	P421082	
		Aldicarb Sulfone	0.0020	U	ug/L	P421082	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P421082	
		Carbaryl	0.0020	U	ug/L	P421082	
		Carbofuran	0.0020	U	ug/L	P421082	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P421082	
		Methiocarb	0.0020	U	ug/L	P421082	
		Methomyl	0.0020	U	ug/L	P421082	
		Oxamyl	0.0020	U	ug/L	P421082	
		Propoxur	0.0020	U	ug/L	P421082	
2363311		2,4-D	0.0020	U	ug/L	P421081	
		Acesulfame K	0.10	U	ug/L	P421007	
		2,4,5-T	0.0040	U	ug/L	P421081	
		AMPA	0.10	U	ug/L	P421007	
		Acetaminophen	0.0080	U	ug/L	P421081	
		Acetamiprid	0.0020	U	ug/L	P421081	
		Endothall	0.25	U	ug/L	P421007	
		Glufosinate	0.10	U	ug/L	P421007	
		Glyphosate	0.10	U	ug/L	P421007	
		Afidopyropen	0.0020	U	ug/L	P421081	
		Bentazon	8.0E-04	U	ug/L	P421081	
		Sucralose	0.010	U	ug/L	P421007	
		Benzovindiflupyr	0.0020	U	ug/L	P421081	
		Carbamazepine	8.0E-04	U	ug/L	P421081	
		Clothianidin	0.0020	U	ug/L	P421081	
		Dinotefuran	0.0020	U	ug/L	P421081	
		Diuron	0.0020	U	ug/L	P421081	
		Fenuron	0.032	U	ug/L	P421081	
		Fluridone	8.0E-04	U	ug/L	P421081	
		Imazapyr	0.0040	U	ug/L	P421081	
		Hydrocodone	0.0020	U	ug/L	P421081	
		Ibuprofen	0.20	U	ug/L	P421081	
		Imidacloprid	0.0020	U	ug/L	P421081	
		Linuron	0.0040	U	ug/L	P421081	
		Mandestrobin	0.0020	U	ug/L	P421081	
		MCPP	0.0040	U	ug/L	P421081	
		Naproxen	0.0080	U	ug/L	P421081	
		Primidone	0.0040	U	ug/L	P421081	
		Pyraclostrobin	0.0020	U	ug/L	P421081	
		Silvex	0.0040	U	ug/L	P421081	
		Thiamethoxam	0.0020	U	ug/L	P421081	
		Tolfenpyrad	0.0020	U	ug/L	P421081	
		Triclopyr	0.0040	U	ug/L	P421081	
2363319	EPA 8270E	Aldrin	0.67	U	ng/L	P421246	

Field ID: FB_10182022

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363319	EPA 8270E	Alpha-BHC	0.10	U	ng/L	P421246	
		Alpha-Chlordane	0.21	U	ng/L	P421246	
		PCB-1016	2.1	U	ng/L	P421246	
		Beta-BHC	0.10	U	ng/L	P421246	
		PCB-1221	2.1	U	ng/L	P421246	
		Beta-Cyfluthrin	1.3	U	ng/L	P421246	
		PCB-1232	2.1	U	ng/L	P421246	
		Bifenthrin	0.52	U	ng/L	P421246	
		PCB-1242	2.1	U	ng/L	P421246	
		PCB-1248	2.1	U	ng/L	P421246	
		Chlorothalonil	1.3	U	ng/L	P421246	
		PCB-1254	2.1	U	ng/L	P421246	
		Cis-Nonachlor	0.21	U	ng/L	P421246	
		PCB-1260	2.1	U	ng/L	P421246	
		Cypermethrin	1.6	U	ng/L	P421246	
		Dacthal	0.16	U	ng/L	P421246	
		DDD-p,p'	0.26	U	ng/L	P421246	
		DDE-p,p'	0.21	U	ng/L	P421246	
		DDT-p,p'	0.26	U	ng/L	P421246	
		Delta-BHC	0.41	U	ng/L	P421246	
		Deltamethrin	1.3	U	ng/L	P421246	
		Dichlobenil	0.26	U	ng/L	P421246	
		Dicofol	1.3	U	ng/L	P421246	
		Dieldrin	0.41	U	ng/L	P421246	
		Endosulfan I	0.41	U	ng/L	P421246	
		Endosulfan II	0.41	U	ng/L	P421246	
		Endosulfan Sulfate	0.31	U	ng/L	P421246	
		Endrin	0.41	U	ng/L	P421246	
		Endrin Aldehyde	0.78	U	ng/L	P421246	
		Endrin Ketone	0.41	UJ	ng/L	P421246	LCS
		Esfenvalerate	0.78	U	ng/L	P421246	
		Ethalfuralin	0.16	U	ng/L	P421246	
		Fenpropathrin	0.26	U	ng/L	P421246	
		Gamma-BHC	0.13	UJ	ng/L	P421246	LCS
		Gamma-Chlordane	0.21	U	ng/L	P421246	
		Heptachlor	0.21	U	ng/L	P421246	
		Heptachlor Epoxide	0.26	U	ng/L	P421246	
		Hexachlorobenzene**	1.0	U	ng/L	P421246	
		Kepone	5.2	U	ng/L	P421246	
		Lambda-Cyhalothrin	0.78	U	ng/L	P421246	
		Methoprene	0.78	U	ng/L	P421246	
		Methoxychlor	0.31	UJ	ng/L	P421246	CCV
		MGK-264	0.21	U	ng/L	P421246	
		Mirex	0.36	U	ng/L	P421246	
		Oxychlordane	0.31	U	ng/L	P421246	

Field ID: FB_10182022

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363319	EPA 8270E	Permethrin	1.7	U	ng/L	P421246	
		Phenothrin	0.93	U	ng/L	P421246	
		Piperonyl Butoxide	0.16	U	ng/L	P421246	
		Prallethrin	2.1	U	ng/L	P421246	
		Tau-Fluvalinate	0.26	U	ng/L	P421246	
		Tetramethrin	0.78	UJ	ng/L	P421246	CCV
		Trans-Nonachlor	0.21	U	ng/L	P421246	
		Triclosan Methyl	0.16	U	ng/L	P421246	
		Trifluralin	0.21	U	ng/L	P421246	
		Chlordane	2.6	U	ng/L	P421246	RPD
	EPA 8276	Toxaphene	16	U	ng/L	P421246	
		Oxybenzone**	9.7	U	ng/L	P421054	
		Acetochlor	0.24	U	ng/L	P421054	
		Octinoxate**	19	U	ng/L	P421054	
		Alachlor	0.24	U	ng/L	P421054	
		Avobenzone**	97	U	ng/L	P421054	
		Ametryn	0.58	U	ng/L	P421054	
		Atrazine	0.24	U	ng/L	P421054	
		PBDE-47**	3.9	U	ng/L	P421054	
		Atrazine Desethyl	1.5	U	ng/L	P421054	
2363320	EPA 8270E	PBDE-99**	4.9	U	ng/L	P421054	
		Azinphos Methyl	1.9	U	ng/L	P421054	
		Tri-o-cresyl Phosphate**	5.8	U	ng/L	P421054	
		Azoxystrobin	0.49	U	ng/L	P421054	
		Bromacil	0.49	U	ng/L	P421054	
		2-Ethylhexyl	12	U	ng/L	P421054	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.39	U	ng/L	P421054	
		Dechlorane Plus**	29	U	ng/L	P421054	
		Caffeine**	7.3	U	ng/L	P421054	
		Carbophenothion	0.19	U	ng/L	P421054	
		Carfentrazone Ethyl	0.097	U	ng/L	P421054	
		Chlorfenapyr	0.17	U	ng/L	P421054	
		Chlorpyrifos Ethyl	0.24	U	ng/L	P421054	
		Chlorpyrifos Methyl	0.049	U	ng/L	P421054	
		Coumaphos	0.49	U	ng/L	P421054	
		Cyanazine	3.2	U	ng/L	P421054	
		Cyprodinil	0.097	U	ng/L	P421054	
		Demeton	1.5	U	ng/L	P421054	
		Diazinon	0.12	U	ng/L	P421054	
		Difenoconazole	0.58	U	ng/L	P421054	
		Dimethenamid	0.097	U	ng/L	P421054	
		Dimethomorph	0.17	U	ng/L	P421054	
		Disulfoton	0.49	U	ng/L	P421054	
		Dithiopyr	0.61	U	ng/L	P421054	

Field ID: FB_10182022

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363320	EPA 8270E	EPTC	1.2	U	ng/L	P421054	
		Ethion	0.15	UJ	ng/L	P421054	LCS
		Ethoprop	0.097	U	ng/L	P421054	
		Etridiazole	0.15	U	ng/L	P421054	
		Fenamiphos	0.49	U	ng/L	P421054	
		Fenbuconazole	0.12	U	ng/L	P421054	
		Fipronil	0.24	U	ng/L	P421054	
		Fipronil Desulfinyl**	0.12	U	ng/L	P421054	
		Fipronil Sulfide	0.15	U	ng/L	P421054	
		Fipronil Sulfone	0.15	U	ng/L	P421054	
		Fluazifop-P-butyl	0.097	U	ng/L	P421054	
		Fludioxonil	0.12	U	ng/L	P421054	
		Flumioxazin	4.4	U	ng/L	P421054	
		Flutolanil	0.097	U	ng/L	P421054	
		Fluxapyroxad	0.097	U	ng/L	P421054	
		Fonofos	0.19	U	ng/L	P421054	RPD
		Hexazinone	0.49	U	ng/L	P421054	
		Imazalil	0.73	U	ng/L	P421054	
		Iprodione	0.58	U	ng/L	P421054	
		Loratadine**	0.34	U	ng/L	P421054	
		Malathion	0.34	U	ng/L	P421054	
		Metalaxyl	0.73	U	ng/L	P421054	
		Metolachlor	0.34	U	ng/L	P421054	
		Metribuzin	1.5	U	ng/L	P421054	
		Mevinphos	1.0	U	ng/L	P421054	
		Molinate	0.29	U	ng/L	P421054	
		Myclobutanil	0.24	U	ng/L	P421054	
		Naled	1.5	U	ng/L	P421054	
		Napropamide	0.39	UJ	ng/L	P421054	LCS
		Norflurazon	0.49	U	ng/L	P421054	
		Oxadiazon	0.29	U	ng/L	P421054	
		Oxyfluorfen	0.15	U	ng/L	P421054	
		Parathion Ethyl	0.24	U	ng/L	P421054	
		Parathion Methyl	0.54	U	ng/L	P421054	
		Pendimethalin	0.97	U	ng/L	P421054	
		Phenytol**	3.4	U	ng/L	P421054	
		Phorate	0.51	U	ng/L	P421054	
		Prodiamine	0.17	U	ng/L	P421054	
		Prometon	0.88	U	ng/L	P421054	
		Prometryn	0.19	U	ng/L	P421054	
		Pronamide	0.15	U	ng/L	P421054	
		Propanil	0.12	U	ng/L	P421054	
		Propargite	1.5	U	ng/L	P421054	
		Propiconazole	0.49	U	ng/L	P421054	
		Pyraflufen Ethyl	0.24	U	ng/L	P421054	

Field ID: FB_10182022

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363320	EPA 8270E	Pyridaben	0.44	U	ng/L	P421054	
		Pyriproxyfen	0.12	U	ng/L	P421054	
		Simazine	0.49	U	ng/L	P421054	
		Stirophos	0.12	U	ng/L	P421054	
		Sulfentrazone	0.49	U	ng/L	P421054	
		Tebuconazole	0.49	U	ng/L	P421054	
		Terbufos	0.097	U	ng/L	P421054	
		Terbuthylazine	0.41	U	ng/L	P421054	
		Thiobencarb	0.58	U	ng/L	P421054	
		Triadimefon	0.24	U	ng/L	P421054	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for sulfentrazone not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Joshua Creek above CR760

Collection Date/Time: 10/18/2022 10:40

Field ID: G3SD0175

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363309	EPA 8321B	Acesulfame K	0.10	U	ug/L	P421007	SUR
		2,4-D	0.14		ug/L	P421081	
		AMPA	0.93		ug/L	P421007	
		2,4,5-T	0.0040	U	ug/L	P421081	
		Acetaminophen	0.015	I	ug/L	P421081	
		Acetamiprid	0.0020	U	ug/L	P421081	
		Endothall	0.25	UJ	ug/L	P421007	
		Glufosinate	0.10	U	ug/L	P421007	
		Glyphosate	0.97		ug/L	P421007	
		Afidopyropen	0.0020	U	ug/L	P421081	
		Sucralose	0.13		ug/L	P421007	
		Bentazon	0.0027	I	ug/L	P421081	
		Benzovindiflupyr	0.0020	U	ug/L	P421081	
		Carbamazepine	8.0E-04	U	ug/L	P421081	
		Clothianidin	0.056		ug/L	P421081	
		Dinotefuran	0.0020	U	ug/L	P421081	
		Diuron	0.021		ug/L	P421081	
		Fenuron	0.032	U	ug/L	P421081	
		Fluridone	8.0E-04	U	ug/L	P421081	
		Imazapyr	0.013	I	ug/L	P421081	
		Hydrocodone	0.0020	U	ug/L	P421081	
		Ibuprofen	0.20	U	ug/L	P421081	
		Imidacloprid	0.26		ug/L	P421081	
		Linuron	0.0040	U	ug/L	P421081	
		Mandestrobin	0.0020	U	ug/L	P421081	
		MCPP	0.0040	U	ug/L	P421081	
		Naproxen	0.0080	U	ug/L	P421081	
		Primidone	0.0040	U	ug/L	P421081	
		Pyraclostrobin	0.0020	U	ug/L	P421081	
		Silvex	0.0040	U	ug/L	P421081	
		Thiamethoxam	0.14		ug/L	P421081	
		Tolfenpyrad	0.0020	U	ug/L	P421081	
		Triclopyr	0.0040	U	ug/L	P421081	
2363318	EPA 8270E	Aldrin	0.67	U	ng/L	P421246	
		Alpha-BHC	0.10	U	ng/L	P421246	
		Alpha-Chlordane	0.21	U	ng/L	P421246	
		PCB-1016	2.1	U	ng/L	P421246	
		Beta-BHC	0.10	U	ng/L	P421246	
		PCB-1221	2.1	U	ng/L	P421246	
		Beta-Cyfluthrin	1.3	U	ng/L	P421246	
		PCB-1232	2.1	U	ng/L	P421246	
		Bifenthrin	0.51	U	ng/L	P421246	
		PCB-1242	2.1	U	ng/L	P421246	
		Carbophenothion	0.92	U	ng/L	P421246	

Field ID: G3SD0175

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363318	EPA 8270E	PCB-1248	2.1	U	ng/L	P421246	
		Chlorothalonil	1.3	U	ng/L	P421246	
		PCB-1254	2.1	U	ng/L	P421246	
		Cis-Nonachlor	0.21	U	ng/L	P421246	
		PCB-1260	2.1	U	ng/L	P421246	
		Cypermethrin	1.5	U	ng/L	P421246	
		Dacthal	0.15	U	ng/L	P421246	
		DDD-p,p'	0.26	U	ng/L	P421246	
		DDE-p,p'	0.21	U	ng/L	P421246	
		DDT-p,p'	0.26	U	ng/L	P421246	
		Delta-BHC	0.41	U	ng/L	P421246	
		Deltamethrin	1.3	U	ng/L	P421246	
		Dichlobenil	0.26	U	ng/L	P421246	
		Dicofol	1.3	U	ng/L	P421246	
		Dieldrin	0.41	U	ng/L	P421246	
		Endosulfan I	0.41	U	ng/L	P421246	
		Endosulfan II	0.41	U	ng/L	P421246	
		Endosulfan Sulfate	0.31	U	ng/L	P421246	
		Endrin	0.41	U	ng/L	P421246	
		Endrin Aldehyde	0.77	U	ng/L	P421246	
		Endrin Ketone	0.41	UJ	ng/L	P421246	LCS
		Esfenvalerate	0.77	U	ng/L	P421246	
		Ethalfuralin	0.15	U	ng/L	P421246	
		Fenpropathrin	0.26	U	ng/L	P421246	
		Gamma-BHC	0.13	UJ	ng/L	P421246	LCS
		Gamma-Chlordane	0.21	U	ng/L	P421246	
		Heptachlor	0.21	U	ng/L	P421246	
		Heptachlor Epoxide	0.26	U	ng/L	P421246	
		Hexachlorobenzene**	1.0	U	ng/L	P421246	
		Kepone	5.1	U	ng/L	P421246	
		Lambda-Cyhalothrin	0.77	U	ng/L	P421246	
		Methoprene	0.77	U	ng/L	P421246	
		Methoxychlor	0.31	UJ	ng/L	P421246	CCV
		MGK-264	0.21	U	ng/L	P421246	
		Mirex	0.36	U	ng/L	P421246	
		Oxychlordane	0.31	U	ng/L	P421246	
		Permethrin	1.6	U	ng/L	P421246	
		Phenothrin	0.92	U	ng/L	P421246	
		Piperonyl Butoxide	0.15	U	ng/L	P421246	
		Prallethrin	2.1	U	ng/L	P421246	
		Tau-Fluvalinate	0.26	U	ng/L	P421246	
		Tetramethrin	0.77	UJ	ng/L	P421246	CCV
		Trans-Nonachlor	0.21	U	ng/L	P421246	
		Triclosan Methyl	0.15	U	ng/L	P421246	
		Trifluralin	0.21	U	ng/L	P421246	

Field ID: G3SD0175

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2363318	EPA 8276	Chlordane	2.6	U	ng/L	P421246	RPD
		Toxaphene	15	U	ng/L	P421246	

Ref. Method and Comment:
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.
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: P421054

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
Acetochlor	0.25	U	ng/L
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P421054

Component	Result	Code	Units
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
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
Metalaxyl	0.75	U	ng/L
Metalaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	1.5	U	ng/L
Metribuzin	1.5	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P421054

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P421054

Component	Result	Code	Units
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
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: EPA 8270E

Batch ID: P421246

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	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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P421246

Component	Result	Code	Units
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
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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P421246

Component	Result	Code	Units
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276

Batch ID: P421246

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

Reference Method: EPA 8321B

Batch ID: P421007

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: P421007

Component	Result	Code	Units
Sucralose	0.010	U	ug/L

Reference Method: EPA 8321B
Batch ID: P421081

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: P421082

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: P421054

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	109		P	26 - 165
Acetochlor	107		P	69 - 123
Alachlor	101		P	65 - 118
Ametryn	77.2		P	54 - 216
Atrazine	93.2		P	73 - 118
Atrazine Desethyl	87.6		P	32 - 125
Avobenzone	124		P	37 - 178
Azinphos Methyl	116		P	40 - 292
Azoxystrobin	136		P	35 - 220
Bromacil	106		P	48 - 120
Butylate	66.8		P	27 - 85.0
Caffeine	92.8		P	40 - 137
Carbophenothion	95.5		P	57 - 127
Carfentrazone Ethyl	91.8		P	60 - 142
Chlorfenapyr	99.7		P	53 - 117
Chlorpyrifos Ethyl	83.0		P	59 - 116
Chlorpyrifos Methyl	80.6		P	66 - 119
Coumaphos	181		P	11 - 234
Cyanazine	160		P	61 - 248
Cyprodinil	143		P	50 - 147
Dechlorane Plus	141		P	50 - 150
Demeton	82.0		P	30 - 138
Diazinon	104		P	67 - 126
Difenoconazole	190		P	38 - 205
Dimethenamid	71.5		P	57 - 111
Dimethomorph	209		P	16 - 212
Disulfoton	87.0		P	46 - 126
Dithiopyr	106		P	62 - 115
EPTC	65.5		P	28 - 80.0
Ethion	7.22		F	17 - 119
Ethoprop	97.7		P	66 - 120
Etridiazole	72.4		P	28 - 92.0
Fenamiphos	67.4		P	57 - 128
Fenbuconazole	75.8		P	42 - 169
Fipronil	117		P	63 - 130
Fipronil Desulfinyl	86.3		P	61 - 130
Fipronil Sulfide	102		P	56 - 117
Fipronil Sulfone	95.6		P	52 - 118
Fluazifop-P-butyl	80.4		P	61 - 128
Fludioxonil	123		P	59 - 129
Flumioxazin	70.8		P	30 - 250
Flutolanil	115		P	53 - 127
Fluxapyroxad	123		P	42 - 132
Fonofos	94.8		P	59 - 113
Hexazinone	85.0		P	46 - 139
Imazalil	129		P	40 - 139
Iprodione	53.7		P	43 - 150
Loratadine	180		P	10 - 224
Malathion	97.5		P	61 - 135
Metalaxyl	111		P	58 - 121
Metolachlor	104		P	64 - 118
Metribuzin	100		P	45 - 245

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P421054

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Mevinphos	70.2		P	49 - 118
Molinate	76.6		P	42 - 92.0
Myclobutanil	98.6		P	55 - 127
Naled	103		P	10 - 114
Napropamide	2.34		F	39 - 110
Norflurazon	87.7		P	55 - 129
Octinoxate	98.0		P	21 - 159
Oxadiazon	101		P	54 - 115
Oxybenzone	104		P	41 - 142
Oxyfluorfen	94.9		P	64 - 139
Parathion Ethyl	98.5		P	70 - 111
Parathion Methyl	106		P	76 - 136
PBDE-47	89.8		P	27 - 144
PBDE-99	96.5		P	18 - 150
Pendimethalin	75.9		P	52 - 118
Phenytoin	24.3		P	10 - 146
Phorate	73.2		P	40 - 122
Prodiamine	66.5		P	26 - 141
Prometon	117		P	54 - 122
Prometryn	126		P	61 - 128
Pronamide	115		P	72 - 121
Propanil	89.0		P	45 - 144
Propargite	136		P	10 - 199
Propiconazole	90.7		P	56 - 127
Pyraflufen Ethyl	55.8		P	34 - 153
Pyridaben	114		P	26 - 211
Pyriproxyfen	49.3		P	33 - 180
Simazine	86.8		P	67 - 121
Stirophos	77.4		P	20 - 142
Sulfentrazone	78.8		P	21 - 144
Tebuconazole	110		P	10 - 122
Terbufos	112		P	60 - 129
Terbutylazine	100		P	69 - 113
Thiobencarb	91.9		P	51 - 120
Tri-o-cresyl Phosphate	86.1		P	31 - 144
Triadimefon	112		P	56 - 114

Reference Method: EPA 8270E

Batch ID: P421246

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	40.4		P	10 - 92.0
Alpha-BHC	90.1		P	75 - 107
Alpha-Chlordane	78.6		P	50 - 108
Beta-BHC	108		P	36 - 138
Beta-Cyfluthrin	60.0		P	20 - 161
Bifenthrin	37.2		P	10 - 119
Carbophenothion	40.9		P	19 - 94.0
Chlorothalonil	139		P	26 - 186
Cis-Nonachlor	69.0		P	42 - 119
Cypermethrin	60.9		P	22 - 150
Dacthal	92.1		P	72 - 119

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P421246

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
DDD-p,p'	75.2		P	45 - 107
DDE-p,p'	70.2		P	48 - 106
DDT-p,p'	62.5		P	48 - 110
Delta-BHC	125		P	54 - 140
Deltamethrin	69.7		P	22 - 189
Dichlobenil	99.0		P	36 - 117
Dicofol	55.0		P	46 - 155
Dieldrin	75.1		P	54 - 110
Endosulfan I	81.4		P	59 - 105
Endosulfan II	90.0		P	51 - 118
Endosulfan Sulfate	95.7		P	57 - 121
Endrin	77.8		P	10 - 120
Endrin Aldehyde	87.5		P	34 - 118
Endrin Ketone	65.4		F	69 - 177
Esfenvalerate	59.1		P	23 - 168
Ethalfuralin	65.1		P	49 - 99.0
Fenpropathrin	70.7		P	34 - 117
Gamma-BHC	64.2		F	72 - 117
Gamma-Chlordane	79.8		P	43 - 106
Heptachlor	62.1		P	41 - 98.0
Heptachlor Epoxide	79.2		P	57 - 106
Hexachlorobenzene	61.9		P	36 - 99.0
Kepone	85.0		P	16 - 215
Lambda-Cyhalothrin	52.3		P	21 - 177
Methoprene	48.2		P	10 - 119
Methoxychlor	107		P	60 - 112
MGK-264	82.9		P	26 - 122
Mirex	53.6		P	10 - 169
Oxychlordane	66.6		P	43 - 105
PCB-1016	80.0		P	48 - 112
PCB-1260	88.0		P	44 - 118
Permethrin	61.1		P	24 - 148
Phenothrin	37.0		P	10 - 106
Piperonyl Butoxide	61.5		P	10 - 139
Prallethrin	74.0		P	17 - 109
Tau-Fluvalinate	46.6		P	13 - 131
Tetramethrin	104		P	10 - 132
Trans-Nonachlor	77.0		P	44 - 106
Triclosan Methyl	83.9		P	59 - 109
Trifluralin	67.3		P	44 - 101

Reference Method: EPA 8276

Batch ID: P421246

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	89.1		P	61 - 116
Toxaphene	98.8		P	48 - 124

Reference Method: EPA 8321B

Batch ID: P421007

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

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P421007

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	101		P	40 - 150
AMPA	101		P	40 - 150
Endothall	98.4		P	40 - 150
Glufosinate	106		P	40 - 150
Glyphosate	99.8		P	40 - 150
Sucralose	83.4		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P421081

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	89.2		P	30 - 160
2,4,5-T	85.2		P	30 - 160
Acetaminophen	95.5		P	30 - 150
Acetamiprid	85.2		P	30 - 160
Afidopyropen	51.7		P	30 - 160
Bentazon	108		P	30 - 150
Benzovindiflupyr	73.3		P	30 - 160
Carbamazepine	76.1		P	30 - 160
Clothianidin	95.6		P	30 - 160
Dinotefuran	98.6		P	30 - 160
Diuron	77.8		P	30 - 160
Fenuron	100		P	30 - 160
Fluridone	90.2		P	30 - 160
Hydrocodone	91.6		P	30 - 160
Ibuprofen	58.6		P	30 - 160
Imazapyr	92.2		P	30 - 160
Imidacloprid	95.7		P	30 - 160
Linuron	78.1		P	30 - 160
Mandestrobin	91.0		P	30 - 160
MCPP	103		P	30 - 160
Naproxen	76.9		P	30 - 160
Primidone	96.2		P	30 - 160
Pyraclostrobin	61.5		P	30 - 160
Silvex	71.2		P	30 - 160
Thiamethoxam	95.9		P	30 - 160
Tolfenpyrad	30.3		P	30 - 160
Triclopyr	81.3		P	30 - 160

Reference Method: EPA 8321B

Batch ID: P421082

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	89.2		P	30 - 160
Aldicarb	74.4		P	30 - 150
Aldicarb Sulfone	94.2		P	30 - 160
Aldicarb Sulfoxide	95.8		P	30 - 160
Carbaryl	78.5		P	30 - 160
Carbofuran	78.2		P	30 - 160
Methiocarb	71.1		P	30 - 160
Methomyl	91.2		P	30 - 160
Oxamyl	93.8		P	30 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P421082

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Propoxur	75.4		P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P421054

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2362971	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	80.2	80.5	P/P	26 - 165
2362971	Acetochlor	116	103	P/P	67 - 124
2362971	Alachlor	101	99.6	P/P	60 - 120
2362971	Ametryn	138	117	P/P	54 - 216
2362971	Atrazine	89.8	97.4	P/P	66 - 128
2362971	Atrazine Desethyl	67.7	49.0	P/P	15 - 122
2362971	Avobenzone	93.7	100	P/P	37 - 178
2362971	Azinphos Methyl	180	205	P/P	40 - 292
2362971	Azoxystrobin	75.8	80.9	P/P	35 - 220
2362971	Bromacil	104	111	P/P	45 - 127
2362971	Butylate	61.3	51.0	P/P	20 - 83.0
2362971	Caffeine	96.1	93.7	P/P	10 - 194
2362971	Carbophenothion	90.0	75.4	P/P	57 - 127
2362971	Carfentrazone Ethyl	75.6	64.6	P/P	51 - 141
2362971	Chlorfenapyr	67.8	83.5	P/P	46 - 111
2362971	Chlorpyrifos Ethyl	70.7	87.4	P/P	52 - 120
2362971	Chlorpyrifos Methyl	76.0	64.2	P/P	63 - 119
2362971	Coumaphos	156	180	P/P	10 - 228
2362971	Cyanazine	138	198	P/P	59 - 241
2362971	Cyprodinil	121	143	P/P	47 - 146
2362971	Dechlorane Plus	111	113	P/P	50 - 150
2362971	Demeton	77.2	77.8	P/P	40 - 136
2362971	Diazinon	82.3	80.3	P/P	69 - 132
2362971	Difenoconazole	254	238	P/P	57 - 258
2362971	Dimethenamid	100	80.2	P/P	54 - 110
2362971	Dimethomorph	159	121	P/P	28 - 210
2362971	Disulfoton	86.5	80.8	P/P	43 - 133
2362971	Dithiopyr	94.5	101	P/P	39 - 116
2362971	EPTC	62.2	46.4	P/P	20 - 78.0
2362971	Ethion	74.1	72.8	P/P	17 - 119
2362971	Ethoprop	107	81.1	P/P	66 - 120
2362971	Etridiazole	61.7	57.7	P/P	28 - 96.0
2362971	Fenamiphos	96.6	93.6	P/P	41 - 126
2362971	Fenbuconazole	88.6	77.0	P/P	42 - 169
2362971	Fipronil	92.6	97.6	P/P	61 - 132
2362971	Fipronil Desulfinyl	62.5	67.5	P/P	56 - 132
2362971	Fipronil Sulfide	85.2	92.2	P/P	48 - 119
2362971	Fipronil Sulfone	67.8	88.4	P/P	42 - 131
2362971	Fluazifop-P-butyl	88.6	83.5	P/P	53 - 131
2362971	Fludioxonil	105	125	P/P	56 - 127
2362971	Flumioxazin	137	229	P/P	19 - 300
2362971	Flutolanil	111	115	P/P	41 - 127
2362971	Fluxapyroxad	103	137	P/P	42 - 172
2362971	Fonofos	60.2	85.9	P/P	59 - 113
2362971	Hexazinone	94.2	96.0	P/P	66 - 122
2362971	Imazalil	93.7	78.4	P/P	21 - 283
2362971	Iprodione	85.0	95.2	P/P	43 - 150
2362971	Loratadine	162	171	P/P	23 - 201
2362971	Malathion	89.6	119	P/P	58 - 136
2362971	Metalaxyl	112	86.2	P/P	55 - 120
2362971	Metolachlor	104	108	P/P	57 - 121
2362971	Metribuzin	83.5	90.1	P/P	58 - 294

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P421054

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2362971	Mevinphos	62.9	64.1	P/P	50 - 126
2362971	Molinate	79.9	58.1	P/P	42 - 93.0
2362971	Myclobutanil	92.0	97.6	P/P	55 - 125
2362971	Naled	87.4	98.6	P/P	18 - 200
2362971	Napropamide	81.2	65.4	P/P	39 - 110
2362971	Norflurazon	93.9	120	P/P	48 - 128
2362971	Octinoxate	89.8	73.4	P/P	21 - 159
2362971	Oxadiazon	87.8	75.5	P/P	43 - 112
2362971	Oxybenzone	84.6	75.3	P/P	41 - 142
2362971	Oxyfluorfen	91.5	112	P/P	64 - 153
2362971	Parathion Ethyl	91.8	104	P/P	69 - 114
2362971	Parathion Methyl	90.4	112	P/P	79 - 139
2362971	PBDE-47	77.5	73.4	P/P	27 - 144
2362971	PBDE-99	68.3	73.7	P/P	18 - 150
2362971	Pendimethalin	70.3	72.5	P/P	50 - 139
2362971	Phenytoin	58.9	83.4	P/P	10 - 146
2362971	Phorate	67.1	58.9	P/P	54 - 161
2362971	Prodiamine	54.8	77.4	P/P	30 - 161
2362971	Prometon	105	108	P/P	45 - 134
2362971	Prometryn	99.4	92.2	P/P	45 - 137
2362971	Pronamide	125	100	P/P	65 - 133
2362971	Propanil	91.3	79.6	P/P	49 - 142
2362971	Propargite	201	174	P/P	10 - 203
2362971	Propiconazole	90.7	114	P/P	38 - 146
2362971	Pyraflufen Ethyl	48.4	50.0	P/P	34 - 153
2362971	Pyridaben	77.1	83.1	P/P	12 - 192
2362971	Pyriproxyfen	96.8	91.6	P/P	33 - 180
2362971	Simazine	87.9	86.4	P/P	51 - 157
2362971	Stirophos	57.9	82.0	P/P	10 - 128
2362971	Tebuconazole	38.6	52.5	P/P	10 - 133
2362971	Terbufos	86.6	84.7	P/P	65 - 139
2362971	Terbuthylazine	83.8	89.3	P/P	66 - 117
2362971	Thiobencarb	97.6	82.5	P/P	51 - 119
2362971	Tri-o-cresyl Phosphate	72.3	65.8	P/P	31 - 144
2362971	Triadimefon	96.1	87.5	P/P	48 - 119

Reference Method: EPA 8270E

Batch ID: P421246

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2363604	PCB-1016	60.6	59.1	P/P	46 - 111
2363604	PCB-1260	53.2	54.7	P/P	45 - 114
2363680	Aldrin	40.2	37.9	P/P	20 - 82.0
2363680	Alpha-BHC	85.7	92.4	P/P	71 - 109
2363680	Alpha-Chlordane	59.7	66.1	P/P	42 - 106
2363680	Beta-BHC	103	106	P/P	69 - 180
2363680	Beta-Cyfluthrin	53.1	61.3	P/P	18 - 175
2363680	Bifenthrin	31.5	42.2	P/P	21 - 128
2363680	Carbophenothion	40.8	37.7	P/P	10 - 126
2363680	Chlorothalonil	131	130	P/P	10 - 300
2363680	Cis-Nonachlor	53.4	63.3	P/P	34 - 106
2363680	Cypermethrin	55.5	60.4	P/P	22 - 158

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P421246

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2363680	Dacthal	82.0	91.6	P/P	54 - 116
2363680	DDD-p,p'	61.7	62.7	P/P	34 - 107
2363680	DDE-p,p'	60.1	69.3	P/P	33 - 110
2363680	DDT-p,p'	57.0	62.8	P/P	50 - 122
2363680	Delta-BHC	108	114	P/P	77 - 193
2363680	Deltamethrin	69.1	84.4	P/P	10 - 195
2363680	Dichlobenil	73.6	89.6	P/P	25 - 113
2363680	Dicofol	59.5	66.4	P/P	38 - 247
2363680	Dieldrin	67.0	76.6	P/P	45 - 118
2363680	Endosulfan I	72.1	81.3	P/P	51 - 106
2363680	Endosulfan II	69.4	80.8	P/P	37 - 122
2363680	Endosulfan Sulfate	82.2	84.2	P/P	43 - 132
2363680	Endrin	65.9	76.4	P/P	29 - 101
2363680	Endrin Aldehyde	80.2	80.8	P/P	19 - 110
2363680	Endrin Ketone	79.6	91.2	P/P	60 - 140
2363680	Esfenvalerate	57.4	65.4	P/P	26 - 199
2363680	Ethalfuralin	69.5	76.7	P/P	45 - 99.0
2363680	Fenpropathrin	54.8	62.0	P/P	35 - 120
2363680	Gamma-BHC	91.5	95.0	P/P	63 - 128
2363680	Gamma-Chlordane	56.9	65.1	P/P	40 - 104
2363680	Heptachlor	58.0	63.4	P/P	36 - 97.0
2363680	Heptachlor Epoxide	68.3	78.4	P/P	49 - 184
2363680	Hexachlorobenzene	61.1	69.7	P/P	39 - 96.0
2363680	Kepone	57.3	68.0	P/P	10 - 217
2363680	Lambda-Cyhalothrin	42.3	51.2	P/P	21 - 193
2363680	Methoprene	37.1	48.2	P/P	20 - 106
2363680	Methoxychlor	59.1	63.6	P/P	53 - 118
2363680	MGK-264	73.2	63.9	P/P	40 - 118
2363680	Mirex	43.7	56.6	P/P	26 - 92.0
2363680	Oxychlordane	65.1	70.8	P/P	44 - 99.0
2363680	Permethrin	56.8	61.3	P/P	33 - 182
2363680	Phenothrin	40.2	37.5	P/P	10 - 129
2363680	Piperonyl Butoxide	92.5	93.0	P/P	10 - 211
2363680	Prallethrin	59.8	50.4	P/P	24 - 113
2363680	Tau-Fluvalinate	46.4	56.2	P/P	14 - 149
2363680	Tetramethrin	74.1	58.8	P/P	17 - 151
2363680	Trans-Nonachlor	56.1	68.5	P/P	42 - 102
2363680	Triclosan Methyl	65.4	77.3	P/P	48 - 108
2363680	Trifluralin	67.7	74.0	P/P	47 - 96.0

Reference Method: EPA 8276

Batch ID: P421246

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2363604	Chlordane	76.8	59.5	P/P	53 - 126
2363604	Toxaphene	103	90.7	P/P	56 - 211

Reference Method: EPA 8321B

Batch ID: P421007

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2363721	Acesulfame K	106	106	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P421007

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2363721	AMPA	107	117	P/P	40 - 150
2363721	Endothall	98.4	97.7	P/P	40 - 150
2363721	Glufosinate	108	111	P/P	40 - 150
2363721	Glyphosate	119	125	P/P	40 - 150
2363721	Sucralose	81.7	82.3	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P421081

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2362969	2,4-D	93.0	97.2	P/P	30 - 160
2362969	2,4,5-T	82.9	91.1	P/P	30 - 160
2362969	Acetaminophen	98.3	103	P/P	30 - 150
2362969	Acetamiprid	93.5	92.2	P/P	30 - 160
2362969	Afidopyropen	75.1	64.1	P/P	30 - 160
2362969	Bentazon	53.6	72.1	P/P	30 - 150
2362969	Benzovindiflupyr	77.4	82.6	P/P	30 - 160
2362969	Carbamazepine	74.3	79.5	P/P	30 - 160
2362969	Clothianidin	93.9	97.3	P/P	30 - 160
2362969	Dinotefuran	106	110	P/P	30 - 160
2362969	Diuron	77.5	79.6	P/P	30 - 160
2362969	Fenuron	100	105	P/P	30 - 160
2362969	Fluridone	91.0	92.3	P/P	30 - 160
2362969	Hydrocodone	93.0	95.3	P/P	30 - 160
2362969	Ibuprofen	59.6	58.3	P/P	30 - 160
2362969	Imazapyr	92.1	96.2	P/P	30 - 160
2362969	Imidacloprid	113	122	P/P	30 - 160
2362969	Linuron	73.4	82.1	P/P	30 - 160
2362969	Mandestrobin	90.6	95.8	P/P	30 - 160
2362969	MCP	103	109	P/P	30 - 160
2362969	Naproxen	70.1	75.8	P/P	30 - 160
2362969	Primidone	93.3	103	P/P	30 - 160
2362969	Pyraclostrobin	80.4	83.4	P/P	30 - 160
2362969	Silvex	76.3	81.9	P/P	30 - 160
2362969	Thiamethoxam	104	107	P/P	30 - 160
2362969	Tolfenpyrad	48.5	48.0	P/P	30 - 160
2362969	Triclopyr	79.8	86.4	P/P	30 - 160

Reference Method: EPA 8321B
Batch ID: P421082

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2362968	3-Hydroxycarbofuran	96.3	101	P/P	30 - 160
2362968	Aldicarb	82.0	76.8	P/P	30 - 150
2362968	Aldicarb Sulfone	99.9	112	P/P	30 - 160
2362968	Aldicarb Sulfoxide	60.9	64.1	P/P	30 - 160
2362968	Carbaryl	74.5	85.7	P/P	30 - 160
2362968	Carbofuran	79.4	86.8	P/P	30 - 160
2362968	Methiocarb	71.9	75.8	P/P	30 - 160
2362968	Methomyl	94.6	106	P/P	30 - 160
2362968	Oxamyl	97.3	109	P/P	30 - 160
2362968	Propoxur	77.4	82.7	P/P	30 - 160

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P421054

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2362971	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	0.326	Spike	P	0 - 37
2362971	Acetochlor	12.1	Spike	P	0 - 28
2362971	Alachlor	1.54	Spike	P	0 - 30
2362971	Ametryn	16.4	Spike	P	0 - 32
2362971	Atrazine	6.46	Spike	P	0 - 41
2362971	Atrazine Desethyl	25.4	Spike	P	0 - 36
2362971	Avobenzone	6.93	Spike	P	0 - 36
2362971	Azinphos Methyl	12.9	Spike	P	0 - 75
2362971	Azoxystrobin	6.54	Spike	P	0 - 39
2362971	Bromacil	6.52	Spike	P	0 - 33
2362971	Butylate	18.4	Spike	P	0 - 44
2362971	Caffeine	2.46	Spike	P	0 - 74
2362971	Carbophenothion	17.6	Spike	P	0 - 25
2362971	Carfentrazone Ethyl	15.7	Spike	P	0 - 27
2362971	Chlorfenapyr	20.8	Spike	P	0 - 24
2362971	Chlorpyrifos Ethyl	21.1	Spike	P	0 - 26
2362971	Chlorpyrifos Methyl	16.9	Spike	P	0 - 26
2362971	Coumaphos	14.0	Spike	P	0 - 28
2362971	Cyanazine	35.6	Spike	P	0 - 48
2362971	Cyprodinil	16.4	Spike	P	0 - 29
2362971	Dechlorane Plus	1.51	Spike	P	0 - 30
2362971	Demeton	0.767	Spike	P	0 - 33
2362971	Diazinon	2.41	Spike	P	0 - 29
2362971	Difenoconazole	6.60	Spike	P	0 - 34
2362971	Dimethenamid	22.2	Spike	P	0 - 39
2362971	Dimethomorph	27.5	Spike	P	0 - 51
2362971	Disulfoton	6.75	Spike	P	0 - 30
2362971	Dithiopyr	6.32	Spike	P	0 - 26
2362971	EPTC	29.1	Spike	P	0 - 43
2362971	Ethion	1.77	Spike	P	0 - 79
2362971	Ethoprop	27.4	Spike	P	0 - 29
2362971	Etridiazole	6.62	Spike	P	0 - 33
2362971	Fenamiphos	3.11	Spike	P	0 - 40
2362971	Fenbuconazole	14.0	Spike	P	0 - 74
2362971	Fipronil	5.29	Spike	P	0 - 29
2362971	Fipronil Desulfinyl	7.76	Spike	P	0 - 32
2362971	Fipronil Sulfide	7.91	Spike	P	0 - 30
2362971	Fipronil Sulfone	20.7	Spike	P	0 - 33
2362971	Fluazifop-P-butyl	5.90	Spike	P	0 - 38
2362971	Fludioxonil	17.3	Spike	P	0 - 29
2362971	Flumioxazin	50.6	Spike	P	0 - 51
2362971	Flutolanil	3.11	Spike	P	0 - 25
2362971	Fluxapyroxad	27.6	Spike	P	0 - 45
2362971	Fonofos	35.1	Spike	F	0 - 27
2362971	Hexazinone	1.89	Spike	P	0 - 30
2362971	Imazalil	17.7	Spike	P	0 - 100
2362971	Iprodione	11.3	Spike	P	0 - 33
2362971	Loratadine	5.53	Spike	P	0 - 56
2362971	Malathion	28.3	Spike	P	0 - 37
2362971	Metalaxyl	26.4	Spike	P	0 - 40
2362971	Metolachlor	3.77	Spike	P	0 - 29

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P421054

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2362971	Metribuzin	7.62	Spike	P	0 - 45
2362971	Mevinphos	1.80	Spike	P	0 - 29
2362971	Molinate	31.6	Spike	P	0 - 33
2362971	Myclobutanil	5.89	Spike	P	0 - 26
2362971	Naled	12.1	Spike	P	0 - 37
2362971	Napropamide	21.5	Spike	P	0 - 44
2362971	Norflurazon	24.1	Spike	P	0 - 30
2362971	Octinoxate	20.1	Spike	P	0 - 45
2362971	Oxadiazon	15.1	Spike	P	0 - 28
2362971	Oxybenzone	11.7	Spike	P	0 - 46
2362971	Oxyfluorfen	20.3	Spike	P	0 - 28
2362971	Parathion Ethyl	12.3	Spike	P	0 - 31
2362971	Parathion Methyl	21.2	Spike	P	0 - 29
2362971	PBDE-47	5.43	Spike	P	0 - 36
2362971	PBDE-99	7.49	Spike	P	0 - 40
2362971	Pendimethalin	3.04	Spike	P	0 - 33
2362971	Phenytoin	34.5	Spike	P	0 - 100
2362971	Phorate	13.1	Spike	P	0 - 36
2362971	Prodiamine	34.2	Spike	P	0 - 71
2362971	Prometon	2.98	Spike	P	0 - 36
2362971	Prometryn	7.55	Spike	P	0 - 28
2362971	Pronamide	22.2	Spike	P	0 - 24
2362971	Propanil	13.6	Spike	P	0 - 28
2362971	Propargite	14.0	Spike	P	0 - 43
2362971	Propiconazole	22.5	Spike	P	0 - 33
2362971	Pyraflufen Ethyl	3.08	Spike	P	0 - 29
2362971	Pyridaben	7.49	Spike	P	0 - 30
2362971	Pyriproxyfen	5.62	Spike	P	0 - 79
2362971	Simazine	1.68	Spike	P	0 - 29
2362971	Stirophos	34.4	Spike	P	0 - 61
2362971	Sulfentrazone	14.4	Spike	P	0 - 33
2362971	Tebuconazole	30.6	Spike	P	0 - 69
2362971	Terbufos	2.22	Spike	P	0 - 29
2362971	Terbuthylazine	6.37	Spike	P	0 - 32
2362971	Thiobencarb	16.8	Spike	P	0 - 26
2362971	Tri-o-cresyl Phosphate	9.51	Spike	P	0 - 33
2362971	Triadimefon	9.39	Spike	P	0 - 28

Reference Method: EPA 8270E
Batch ID: P421246

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2363604	PCB-1016	2.60	Spike	P	0 - 32
2363604	PCB-1260	2.73	Spike	P	0 - 31
2363680	Aldrin	5.90	Spike	P	0 - 41
2363680	Alpha-BHC	7.50	Spike	P	0 - 25
2363680	Alpha-Chlordane	10.2	Spike	P	0 - 33
2363680	Beta-BHC	2.75	Spike	P	0 - 36
2363680	Beta-Cyfluthrin	14.2	Spike	P	0 - 42
2363680	Bifenthrin	28.8	Spike	P	0 - 53

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P421246

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2363680	Carbophenothion	8.04	Spike	P	0 - 49
2363680	Chlorothalonil	0.938	Spike	P	0 - 71
2363680	Cis-Nonachlor	16.9	Spike	P	0 - 29
2363680	Cypermethrin	8.46	Spike	P	0 - 40
2363680	Dacthal	11.0	Spike	P	0 - 26
2363680	DDD-p,p'	1.53	Spike	P	0 - 39
2363680	DDE-p,p'	14.2	Spike	P	0 - 33
2363680	DDT-p,p'	9.66	Spike	P	0 - 40
2363680	Delta-BHC	5.51	Spike	P	0 - 37
2363680	Deltamethrin	19.9	Spike	P	0 - 100
2363680	Dichlobenil	19.5	Spike	P	0 - 40
2363680	Dicofol	10.9	Spike	P	0 - 31
2363680	Dieldrin	13.4	Spike	P	0 - 27
2363680	Endosulfan I	12.0	Spike	P	0 - 23
2363680	Endosulfan II	15.1	Spike	P	0 - 28
2363680	Endosulfan Sulfate	2.51	Spike	P	0 - 38
2363680	Endrin	14.7	Spike	P	0 - 63
2363680	Endrin Aldehyde	0.725	Spike	P	0 - 60
2363680	Endrin Ketone	13.7	Spike	P	0 - 37
2363680	Esfenvalerate	13.1	Spike	P	0 - 52
2363680	Ethalfuralin	9.81	Spike	P	0 - 23
2363680	Fenpropathrin	12.4	Spike	P	0 - 32
2363680	Gamma-BHC	3.81	Spike	P	0 - 17
2363680	Gamma-Chlordane	13.4	Spike	P	0 - 40
2363680	Heptachlor	8.87	Spike	P	0 - 29
2363680	Heptachlor Epoxide	13.8	Spike	P	0 - 25
2363680	Hexachlorobenzene	13.1	Spike	P	0 - 36
2363680	Kepone	17.0	Spike	P	0 - 93
2363680	Lambda-Cyhalothrin	19.2	Spike	P	0 - 55
2363680	Methoprene	26.0	Spike	P	0 - 53
2363680	Methoxychlor	7.36	Spike	P	0 - 29
2363680	MGK-264	13.7	Spike	P	0 - 35
2363680	Mirex	25.7	Spike	P	0 - 46
2363680	Oxychlordane	8.33	Spike	P	0 - 29
2363680	Permethrin	7.59	Spike	P	0 - 44
2363680	Phenothrin	6.93	Spike	P	0 - 56
2363680	Piperonyl Butoxide	0.620	Spike	P	0 - 100
2363680	Prallethrin	17.1	Spike	P	0 - 42
2363680	Tau-Fluvalinate	19.1	Spike	P	0 - 54
2363680	Tetramethrin	23.0	Spike	P	0 - 51
2363680	Trans-Nonachlor	19.9	Spike	P	0 - 37
2363680	Triclosan Methyl	16.7	Spike	P	0 - 31
2363680	Trifluralin	8.85	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P421246

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2363604	Chlordane	25.4	Spike	F	0 - 25
2363604	Toxaphene	12.9	Spike	P	0 - 26

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P421007

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2363721	Acesulfame K	0.105	Spike	P	0 - 30
2363721	AMPA	8.75	Spike	P	0 - 30
2363721	Endothall	0.762	Spike	P	0 - 30
2363721	Glufosinate	3.32	Spike	P	0 - 30
2363721	Glyphosate	4.19	Spike	P	0 - 30
2363721	Sucralose	0.737	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P421081

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2362969	2,4-D	4.42	Spike	P	0 - 30
2362969	2,4,5-T	9.52	Spike	P	0 - 30
2362969	Acetaminophen	5.09	Spike	P	0 - 30
2362969	Acetamiprid	1.38	Spike	P	0 - 30
2362969	Afidopyropen	15.8	Spike	P	0 - 30
2362969	Bentazon	2.49	Spike	P	0 - 30
2362969	Benzovindiflupyr	6.61	Spike	P	0 - 30
2362969	Carbamazepine	5.39	Spike	P	0 - 30
2362969	Clothianidin	3.26	Spike	P	0 - 30
2362969	Dinotefuran	3.82	Spike	P	0 - 30
2362969	Diuron	2.66	Spike	P	0 - 30
2362969	Fenuron	4.30	Spike	P	0 - 30
2362969	Fluridone	1.44	Spike	P	0 - 30
2362969	Hydrocodone	2.43	Spike	P	0 - 30
2362969	Ibuprofen	2.18	Spike	P	0 - 30
2362969	Imazapyr	3.75	Spike	P	0 - 30
2362969	Imidacloprid	7.27	Spike	P	0 - 30
2362969	Linuron	11.2	Spike	P	0 - 30
2362969	Mandestrobin	5.58	Spike	P	0 - 30
2362969	MCPP	5.13	Spike	P	0 - 30
2362969	Naproxen	7.76	Spike	P	0 - 30
2362969	Primidone	9.22	Spike	P	0 - 30
2362969	Pyraclostrobin	3.63	Spike	P	0 - 30
2362969	Silvex	7.08	Spike	P	0 - 30
2362969	Thiamethoxam	2.83	Spike	P	0 - 30
2362969	Tolfenpyrad	0.912	Spike	P	0 - 30
2362969	Triclopyr	7.99	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P421082

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2362968	3-Hydroxycarbofuran	4.79	Spike	P	0 - 30
2362968	Aldicarb	6.62	Spike	P	0 - 30
2362968	Aldicarb Sulfone	11.4	Spike	P	0 - 30
2362968	Aldicarb Sulfoxide	5.10	Spike	P	0 - 30
2362968	Carbaryl	14.0	Spike	P	0 - 30
2362968	Carbofuran	8.92	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P421082

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2362968	Methiocarb	5.33	Spike	P	0 - 30
2362968	Methomyl	11.0	Spike	P	0 - 30
2362968	Oxamyl	11.6	Spike	P	0 - 30
2362968	Propoxur	6.58	Spike	P	0 - 30

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

Quality Assurance Report Surrogates

Lab Sample ID: 2363307
Field Sample ID: G3SD0159

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	48.5	P	30 - 160

Lab Sample ID: 2363308
Field Sample ID: G3SD0159

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	97.3	P	30 - 160
EPA 8321B	Acetaminophen-d4	110	P	30 - 160
EPA 8321B	Carbamazepine-d10	71.5	P	30 - 160
EPA 8321B	Diuron-d6	58.3	P	30 - 160
EPA 8321B	Endothall-d6	178	F	30 - 160
EPA 8321B	Glyphosate 13C 15N	110	P	30 - 160
EPA 8321B	Ibuprofen-d3	76.5	P	30 - 160
EPA 8321B	Primidone-d5	105	P	30 - 160
EPA 8321B	Sucralose-d6	82.7	P	30 - 160

Lab Sample ID: 2363309
Field Sample ID: G3SD0175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	95.9	P	30 - 160
EPA 8321B	Acetaminophen-d4	107	P	30 - 160
EPA 8321B	Carbamazepine-d10	70.5	P	30 - 160
EPA 8321B	Diuron-d6	55.6	P	30 - 160
EPA 8321B	Endothall-d6	179	F	30 - 160
EPA 8321B	Glyphosate 13C 15N	115	P	30 - 160
EPA 8321B	Ibuprofen-d3	78.8	P	30 - 160
EPA 8321B	Primidone-d5	101	P	30 - 160
EPA 8321B	Sucralose-d6	82.0	P	30 - 160

Lab Sample ID: 2363310
Field Sample ID: FB_10182022

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	71.3	P	30 - 160

Lab Sample ID: 2363311
Field Sample ID: FB_10182022

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	104	P	30 - 160
EPA 8321B	Acetaminophen-d4	101	P	30 - 160
EPA 8321B	Carbamazepine-d10	86.5	P	30 - 160
EPA 8321B	Diuron-d6	81.7	P	30 - 160
EPA 8321B	Endothall-d6	106	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	106	P	30 - 160
EPA 8321B	Ibuprofen-d3	74.4	P	30 - 160
EPA 8321B	Primidone-d5	94.0	P	30 - 160
EPA 8321B	Sucralose-d6	87.6	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2363316
Field Sample ID: G3SD0159

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	102	P	29 - 130
EPA 8270E	Decachlorobiphenyl	87.4	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	72.2	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	80.0	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	55.2	P	30 - 101
EPA 8276	PCNB	103	P	48 - 121

Lab Sample ID: 2363317
Field Sample ID: G3SD0159

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	69.7	P	20 - 200
EPA 8270E	Simazine-d10	87.8	P	62 - 142
EPA 8270E	Terbufos-d10	116	P	58 - 132
EPA 8270E	Terphenyl-d14	67.5	P	52 - 137

Lab Sample ID: 2363318
Field Sample ID: G3SD0175

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	112	P	29 - 130
EPA 8270E	Decachlorobiphenyl	91.0	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	74.6	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	94.8	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	62.6	P	30 - 101
EPA 8276	PCNB	105	P	48 - 121

Lab Sample ID: 2363319
Field Sample ID: FB_10182022

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	83.9	P	29 - 130
EPA 8270E	Decachlorobiphenyl	91.7	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	75.8	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	85.2	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	58.9	P	30 - 101
EPA 8276	PCNB	96.4	P	48 - 121

Lab Sample ID: 2363320
Field Sample ID: FB_10182022

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	65.8	P	20 - 200
EPA 8270E	Simazine-d10	71.1	P	62 - 142
EPA 8270E	Terbufos-d10	98.8	P	58 - 132
EPA 8270E	Terphenyl-d14	83.9	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A115447

Included Lab Sample IDs: 2363308, 2363309, 2363311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	101	97.1	P/P	60 - 160
Sucralose	80.3	87.0	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A115462

Included Lab Sample IDs: 2363308, 2363309, 2363311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	103	111	P/P	60 - 160
Endothall	99.1	104	P/P	60 - 160
Glufosinate	106	108	P/P	60 - 160
Glyphosate	104	107	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A115492

Included Lab Sample IDs: 2363308, 2363309, 2363311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	103	109	P/P	50 - 150
2,4,5-T	129	117	P/P	50 - 150
3-Hydroxycarbofuran	111	113	P/P	60 - 150
Acetaminophen	112	112	P/P	60 - 160
Acetamiprid	108	112	P/P	50 - 150
Afidopyropen	103	104	P/P	50 - 150
Aldicarb	111	110	P/P	60 - 150
Aldicarb Sulfone	104	107	P/P	50 - 150
Aldicarb Sulfoxide	106	106	P/P	50 - 150
Bentazon	122	127	P/P	50 - 160
Benzovindiflupyr	101	99.4	P/P	50 - 160
Carbamazepine	98.7	100	P/P	60 - 150
Carbaryl	114	106	P/P	60 - 150
Carbofuran	107	107	P/P	50 - 150
Clothianidin	98.9	104	P/P	60 - 150
Dinotefuran	107	110	P/P	50 - 150
Diuron	104	110	P/P	60 - 160
Fenuron	113	114	P/P	60 - 150
Fluridone	103	105	P/P	60 - 160
Hydrocodone	102	103	P/P	60 - 150
Ibuprofen	104	124	P/P	50 - 160
Imazapyr	107	110	P/P	50 - 150
Imidacloprid	101	106	P/P	60 - 150
Linuron	113	106	P/P	60 - 150
Mandestrobin	107	108	P/P	50 - 150
MCPP	122	121	P/P	50 - 150
Methiocarb	98.7	98.2	P/P	50 - 150
Methomyl	107	107	P/P	50 - 150
Naproxen	88.9	77.3	P/P	50 - 160
Oxamyl	107	107	P/P	50 - 150
Primidone	111	113	P/P	60 - 150
Propoxur	112	113	P/P	50 - 150
Pyraclostrobin	104	105	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A115492

Included Lab Sample IDs: 2363308, 2363309, 2363311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Silvex	104	106	P/P	50 - 150
Thiamethoxam	107	111	P/P	50 - 150
Tolfenpyrad	103	105	P/P	60 - 150
Triclopyr	124	127	P/P	50 - 150

Reference Method: EPA 8270E

Run ID: A115504

Included Lab Sample IDs: 2363317, 2363320

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	98.0		P	80 - 120
Avobenzone	102		P	80 - 120
Dechlorane Plus	106		P	80 - 120
Octinoxate	102		P	80 - 120
Oxybenzone	101		P	80 - 120
PBDE-47	98.6		P	80 - 120
PBDE-99	101		P	80 - 120
Tri-o-cresyl Phosphate	98.4		P	80 - 120

Reference Method: EPA 8276

Run ID: A115555

Included Lab Sample IDs: 2363316, 2363318, 2363319

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	105		P	80 - 120
Toxaphene	111		P	80 - 120

Reference Method: EPA 8270E

Run ID: A115581

Included Lab Sample IDs: 2363317, 2363320

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	89.0		P	80 - 120
Alachlor	98.1		P	80 - 120
Ametryn	98.5		P	80 - 120
Atrazine	104		P	80 - 120
Atrazine Desethyl	83.5		P	80 - 120
Azinphos Methyl	92.1		P	80 - 120
Azoxystrobin	88.6		P	80 - 120
Bromacil	98.7		P	80 - 120
Butylate	108		P	80 - 120
Caffeine	98.5		P	80 - 120
Carfentrazone Ethyl	81.7		P	80 - 120
Chlorfenapyr	90.8		P	80 - 120
Chlorpyrifos Ethyl	106		P	80 - 120
Chlorpyrifos Methyl	91.2		P	80 - 120
Coumaphos	100		P	80 - 120
Cyanazine	105		P	80 - 120
Cyprodinil	110		P	80 - 120
Demeton	94.8		P	80 - 120
Diazinon	98.4		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A115581

Included Lab Sample IDs: 2363317, 2363320

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Difenoconazole	101		P	80 - 120
Dimethenamid	101		P	80 - 120
Dimethomorph	105		P	80 - 120
Disulfoton	100		P	80 - 120
Dithiopyr	104		P	80 - 120
EPTC	103		P	80 - 120
Ethoprop	90.0		P	80 - 120
Etridiazole	104		P	80 - 120
Fenamiphos	98.4		P	80 - 120
Fenbuconazole	92.0		P	80 - 120
Fipronil	90.9		P	80 - 120
Fipronil Desulfinyl	94.2		P	80 - 120
Fipronil Sulfide	114		P	80 - 120
Fipronil Sulfone	84.3		P	80 - 120
Fluazifop-P-butyl	81.7		P	80 - 120
Fludioxonil	82.6		P	80 - 120
Flumioxazin	83.9		P	80 - 120
Flutolanil	95.8		P	80 - 120
Fluxapyroxad	84.1		P	80 - 120
Hexazinone	98.0		P	80 - 120
Imazalil	87.8		P	80 - 120
Iprodione	84.4		P	80 - 120
Loratadine	90.8		P	80 - 120
Malathion	88.9		P	80 - 120
Metalaxyl	108		P	80 - 120
Metolachlor	87.8		P	80 - 120
Metribuzin	96.0		P	80 - 120
Mevinphos	106		P	80 - 120
Molinate	97.6		P	80 - 120
Myclobutanil	96.3		P	80 - 120
Naled	108		P	80 - 120
Napropamide	91.3		P	80 - 120
Oxadiazon	87.6		P	80 - 120
Oxyfluorfen	89.0		P	80 - 120
Parathion Ethyl	116		P	80 - 120
Parathion Methyl	92.8		P	80 - 120
Pendimethalin	104		P	80 - 120
Phenytol	97.8		P	80 - 120
Phorate	92.2		P	80 - 120
Prodiamine	95.8		P	80 - 120
Prometon	93.2		P	80 - 120
Prometryn	108		P	80 - 120
Pronamide	107		P	80 - 120
Propanil	88.9		P	80 - 120
Propargite	91.8		P	80 - 120
Propiconazole	83.5		P	80 - 120
Pyridaben	89.6		P	80 - 120
Pyriproxyfen	92.7		P	80 - 120
Simazine	98.7		P	80 - 120
Stirophos	88.3		P	80 - 120
Sulfentrazone	84.3		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A115581

Included Lab Sample IDs: 2363317, 2363320

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tebuconazole	89.9		P	80 - 120
Terbufos	108		P	80 - 120
Terbutylazine	117		P	80 - 120
Thiobencarb	94.0		P	80 - 120
Triadimefon	110		P	80 - 120

Reference Method: EPA 8270E

Run ID: A115616

Included Lab Sample IDs: 2363316, 2363318, 2363319

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	94.6		P	80 - 120
Alpha-BHC	98.9		P	80 - 120
Alpha-Chlordane	102		P	80 - 120
Beta-BHC	104		P	80 - 120
Beta-Cyfluthrin	96.9		P	80 - 120
Bifenthrin	111		P	80 - 120
Carbophenothion	93.4		P	80 - 120
Chlorothalonil	108		P	80 - 120
Cis-Nonachlor	93.0		P	80 - 120
Cypermethrin	94.5		P	80 - 120
Dacthal	95.7		P	80 - 120
DDD-p,p'	89.5		P	80 - 120
DDE-p,p'	92.0		P	80 - 120
DDT-p,p'	101		P	80 - 120
Delta-BHC	102		P	80 - 120
Deltamethrin	93.4		P	80 - 120
Dichlobenil	111		P	80 - 120
Dicofol	82.4		P	80 - 120
Dieldrin	93.2		P	80 - 120
Endosulfan I	95.5		P	80 - 120
Endosulfan II	102		P	80 - 120
Endosulfan Sulfate	92.8		P	80 - 120
Endrin	93.8		P	80 - 120
Endrin Aldehyde	98.9		P	80 - 120
Endrin Ketone	83.5		P	80 - 120
Esfenvalerate	98.6		P	80 - 120
Ethalfuralin	98.4		P	80 - 120
Fenpropathrin	106		P	80 - 120
Gamma-BHC	81.4		P	80 - 120
Gamma-Chlordane	104		P	80 - 120
Heptachlor	99.3		P	80 - 120
Heptachlor Epoxide	103		P	80 - 120
Hexachlorobenzene	99.3		P	80 - 120
Kepone	103		P	80 - 120
Lambda-Cyhalothrin	97.2		P	80 - 120
Methoprene	92.2		P	80 - 120
Methoxychlor	155*		F	80 - 120
MGK-264	96.3		P	80 - 120
Mirex	93.9		P	80 - 120
Oxychlordane	97.8		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A115616

Included Lab Sample IDs: 2363316, 2363318, 2363319

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Permethrin	95.3		P	80 - 120
Phenothrin	95.2		P	80 - 120
Piperonyl Butoxide	84.5		P	80 - 120
Prallethrin	97.2		P	80 - 120
Tau-Fluvalinate	96.4		P	80 - 120
Tetramethrin	138*		F	80 - 120
Trans-Nonachlor	103		P	80 - 120
Triclosan Methyl	96.8		P	80 - 120
Trifluralin	97.7		P	80 - 120

Reference Method: EPA 8270E

Run ID: A115647

Included Lab Sample IDs: 2363316, 2363318

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Delta-BHC	87.3		P	80 - 120
Endosulfan II	95.6		P	80 - 120
Gamma-Chlordane	98.8		P	80 - 120
Heptachlor Epoxide	99.8		P	80 - 120

Reference Method: EPA 8270E

Run ID: A115663

Included Lab Sample IDs: 2363317, 2363320

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Azoxystrobin	95.5		P	80 - 120
Bromacil	87.6		P	80 - 120
Carbophenothion	95.9		P	80 - 120
Ethion	96.0		P	80 - 120
Fenbuconazole	101		P	80 - 120
Fonofos	92.7		P	80 - 120
Metolachlor	91.2		P	80 - 120
Norflurazon	97.0		P	80 - 120
Pyraflufen Ethyl	89.0		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)	109	80.2	80.5			0.326
	Acetochlor	107	116	103			12.1
	Alachlor	101	101	99.6			1.54
	Aldrin	40.4	37.9	40.2			5.90
	Alpha-BHC	90.1	92.4	85.7			7.50
	Alpha-Chlordane	78.6	66.1	59.7			10.2
	Ametryn	77.2	138	117			16.4
	Atrazine	93.2	89.8	97.4			6.46
	Atrazine Desethyl	87.6	67.7	49.0			25.4
	Avobenzone	124	93.7	100			6.93
	Azinphos Methyl	116	180	205			12.9
	Azoxystrobin	136	75.8	80.9			6.54
	Beta-BHC	108	106	103			2.75
	Beta-Cyfluthrin	60.0	61.3	53.1			14.2
	Bifenthrin	37.2	42.2	31.5			28.8
	Bromacil	106	104	111			6.52
	Butylate	66.8	61.3	51.0			18.4
	Caffeine	92.8	96.1	93.7			2.46
	Carbophenothion	95.5	90.0	75.4			17.6
	Carbophenothion	40.9	37.7	40.8			8.04
	Carfentrazone Ethyl	91.8	75.6	64.6			15.7
	Chlorfenapyr	99.7	67.8	83.5			20.8
	Chlorothalonil	139	130	131			0.938
	Chlorpyrifos Ethyl	83.0	70.7	87.4			21.1
	Chlorpyrifos Methyl	80.6	76.0	64.2			16.9
	Cis-Nonachlor	69.0	63.3	53.4			16.9
	Coumaphos	181	156	180			14.0
	Cyanazine	160	138	198			35.6
	Cypermethrin	60.9	60.4	55.5			8.46
	Cyprodinil	143	121	143			16.4
	Dacthal	92.1	91.6	82.0			11.0
	DDD-p,p'	75.2	62.7	61.7			1.53
	DDE-p,p'	70.2	69.3	60.1			14.2
	DDT-p,p'	62.5	62.8	57.0			9.66
	Dechlorane Plus	141	111	113			1.51
	Delta-BHC	125	114	108			5.51
	Deltamethrin	69.7	84.4	69.1			19.9
	Demeton	82.0	77.2	77.8			0.767
	Diazinon	104	82.3	80.3			2.41
	Dichlobenil	99.0	89.6	73.6			19.5
	Dicofol	55.0	66.4	59.5			10.9
	Dieldrin	75.1	76.6	67.0			13.4
	Difenoconazole	190	254	238			6.60
	Dimethenamid	71.5	100	80.2			22.2
	Dimethomorph	209	159	121			27.5
	Disulfoton	87.0	86.5	80.8			6.75
	Dithiopyr	106	94.5	101			6.32
	Endosulfan I	81.4	81.3	72.1			12.0
	Endosulfan II	90.0	80.8	69.4			15.1
	Endosulfan Sulfate	95.7	84.2	82.2			2.51
	Endrin	77.8	76.4	65.9			14.7
	Endrin Aldehyde	87.5	80.8	80.2			0.725

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Endrin Ketone	65.4	91.2	79.6			13.7
	EPTC	65.5	62.2	46.4			29.1
	Esfenvalerate	59.1	65.4	57.4			13.1
	Ethalfuralin	65.1	76.7	69.5			9.81
	Ethion	7.22	74.1	72.8			1.77
	Ethoprop	97.7	107	81.1			27.4
	Etridiazole	72.4	61.7	57.7			6.62
	Fenamiphos	67.4	96.6	93.6			3.11
	Fenbuconazole	75.8	88.6	77.0			14.0
	Fenpropathrin	70.7	62.0	54.8			12.4
	Fipronil	117	92.6	97.6			5.29
	Fipronil Desulfinyl	86.3	62.5	67.5			7.76
	Fipronil Sulfide	102	85.2	92.2			7.91
	Fipronil Sulfone	95.6	67.8	88.4			20.7
	Fluazifop-P-butyl	80.4	88.6	83.5			5.90
	Fludioxonil	123	105	125			17.3
	Flumioxazin	70.8	137	229			50.6
	Flutolanil	115	111	115			3.11
	Fluxapyroxad	123	103	137			27.6
	Fonofos	94.8	60.2	85.9			35.1
	Gamma-BHC	64.2	91.5	95.0			3.81
	Gamma-Chlordane	79.8	56.9	65.1			13.4
	Heptachlor	62.1	58.0	63.4			8.87
	Heptachlor Epoxide	79.2	68.3	78.4			13.8
	Hexachlorobenzene	61.9	61.1	69.7			13.1
	Hexazinone	85.0	94.2	96.0			1.89
	Imazalil	129	93.7	78.4			17.7
	Iprodione	53.7	85.0	95.2			11.3
	Kepone	85.0	57.3	68.0			17.0
	Lambda-Cyhalothrin	52.3	42.3	51.2			19.2
	Loratadine	180	162	171			5.53
	Malathion	97.5	89.6	119			28.3
	Metalaxyl	111	112	86.2			26.4
	Methoprene	48.2	37.1	48.2			26.0
	Methoxychlor	107	59.1	63.6			7.36
	Metolachlor	104	104	108			3.77
	Metribuzin	100	83.5	90.1			7.62
	Mevinphos	70.2	62.9	64.1			1.80
	MGK-264	82.9	73.2	63.9			13.7
	Mirex	53.6	43.7	56.6			25.7
	Molinate	76.6	79.9	58.1			31.6
	Myclobutanil	98.6	92.0	97.6			5.89
	Naled	103	87.4	98.6			12.1
	Napropamide	2.34	81.2	65.4			21.5
	Norflurazon	87.7	93.9	120			24.1
	Octinoxate	98.0	89.8	73.4			20.1
	Oxadiazon	101	87.8	75.5			15.1
	Oxybenzone	104	84.6	75.3			11.7
	Oxychlordane	66.6	65.1	70.8			8.33
	Oxyfluorfen	94.9	91.5	112			20.3
	Parathion Ethyl	98.5	91.8	104			12.3
	Parathion Methyl	106	90.4	112			21.2
	PBDE-47	89.8	77.5	73.4			5.43
	PBDE-99	96.5	68.3	73.7			7.49

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	PCB-1016	80.0	60.6	59.1		2.60
	PCB-1260	88.0	53.2	54.7		2.73
	Pendimethalin	75.9	70.3	72.5		3.04
	Permethrin	61.1	56.8	61.3		7.59
	Phenothrin	37.0	40.2	37.5		6.93
	Phenytol	24.3	58.9	83.4		34.5
	Phorate	73.2	67.1	58.9		13.1
	Piperonyl Butoxide	61.5	92.5	93.0		0.620
	Prallethrin	74.0	59.8	50.4		17.1
	Prodiamine	66.5	54.8	77.4		34.2
	Prometon	117	105	108		2.98
	Prometryn	126	99.4	92.2		7.55
	Pronamide	115	125	100		22.2
	Propanil	89.0	91.3	79.6		13.6
	Propargite	136	201	174		14.0
	Propiconazole	90.7	90.7	114		22.5
	Pyraflufen Ethyl	55.8	48.4	50.0		3.08
	Pyridaben	114	77.1	83.1		7.49
	Pyriproxyfen	49.3	96.8	91.6		5.62
	Simazine	86.8	87.9	86.4		1.68
	Stirophos	77.4	57.9	82.0		34.4
	Sulfentrazone	78.8				14.4
	Tau-Fluvalinate	46.6	46.4	56.2		19.1
	Tebuconazole	110	38.6	52.5		30.6
	Terbufos	112	86.6	84.7		2.22
	Terbuthylazine	100	83.8	89.3		6.37
	Tetramethrin	104	74.1	58.8		23.0
	Thiobencarb	91.9	97.6	82.5		16.8
	Trans-Nonachlor	77.0	56.1	68.5		19.9
	Tri-o-cresyl Phosphate	86.1	72.3	65.8		9.51
	Triadimefon	112	96.1	87.5		9.39
	Triclosan Methyl	83.9	65.4	77.3		16.7
	Trifluralin	67.3	67.7	74.0		8.85
EPA 8276	Chlordane	89.1	76.8	59.5		25.4
	Toxaphene	98.8	103	90.7		12.9
EPA 8321B	2,4-D	89.2	93.0	97.2		4.42
	2,4,5-T	85.2	82.9	91.1		9.52
	3-Hydroxycarbofuran	89.2	96.3	101		4.79
	Acesulfame K	101	106	106		0.105
	Acetaminophen	95.5	98.3	103		5.09
	Acetamiprid	85.2	93.5	92.2		1.38
	Afidopyropen	51.7	75.1	64.1		15.8
	Aldicarb	74.4	82.0	76.8		6.62
	Aldicarb Sulfone	94.2	99.9	112		11.4
	Aldicarb Sulfoxide	95.8	60.9	64.1		5.10
	AMPA	101	107	117		8.75
	Bentazon	108	53.6	72.1		2.49
	Benzovindiflupyr	73.3	77.4	82.6		6.61
	Carbamazepine	76.1	74.3	79.5		5.39
	Carbaryl	78.5	74.5	85.7		14.0
	Carbofuran	78.2	79.4	86.8		8.92
	Clothianidin	95.6	93.9	97.3		3.26
	Dinotefuran	98.6	106	110		3.82
	Diuron	77.8	77.5	79.6		2.66

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8321B	Endothall	98.4	98.4	97.7		0.762
	Fenuron	100	100	105		4.30
	Fluridone	90.2	91.0	92.3		1.44
	Glufosinate	106	108	111		3.32
	Glyphosate	99.8	119	125		4.19
	Hydrocodone	91.6	93.0	95.3		2.43
	Ibuprofen	58.6	59.6	58.3		2.18
	Imazapyr	92.2	92.1	96.2		3.75
	Imidacloprid	95.7	113	122		7.27
	Linuron	78.1	73.4	82.1		11.2
	Mandestrobin	91.0	90.6	95.8		5.58
	MCPP	103	103	109		5.13
	Methiocarb	71.1	71.9	75.8		5.33
	Methomyl	91.2	94.6	106		11.0
	Naproxen	76.9	70.1	75.8		7.76
	Oxamyl	93.8	97.3	109		11.6
	Primidone	96.2	93.3	103		9.22
	Propoxur	75.4	77.4	82.7		6.58
	Pyraclostrobin	61.5	80.4	83.4		3.63
	Silvex	71.2	76.3	81.9		7.08
	Sucralose	83.4	81.7	82.3		0.737
	Thiamethoxam	95.9	104	107		2.83
	Tolfenpyrad	30.3	48.5	48.0		0.912
	Triclopyr	81.3	79.8	86.4		7.99

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2363317, 2363320
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2363316, 2363318, 2363319
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2363317, 2363320
EPA 8270E	PCBs in water matrices by GC/MS/MS	2363316, 2363318, 2363319
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2363316, 2363318, 2363319
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2363307, 2363310
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2363308, 2363309, 2363311

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	10/19/2022	10/20/2022 08:00	Fe-Val Siddell	10/24/2022 19:07	Lipi Saha	2363317
	10/19/2022	10/20/2022 08:00	Fe-Val Siddell	10/24/2022 19:26	Lipi Saha	2363320
	10/19/2022	10/20/2022 08:00	Fe-Val Siddell	10/26/2022 19:53	Michael Poppell	2363317
	10/19/2022	10/20/2022 08:00	Fe-Val Siddell	10/26/2022 20:21	Michael Poppell	2363320
	10/19/2022	10/20/2022 08:00	Fe-Val Siddell	10/31/2022 18:57	Michael Poppell	2363317
	10/19/2022	10/20/2022 08:00	Fe-Val Siddell	10/31/2022 19:24	Michael Poppell	2363317
	10/19/2022	10/20/2022 08:00	Fe-Val Siddell	10/31/2022 19:50	Michael Poppell	2363320
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/28/2022 17:35	Vandana T. Nagar	2363316
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/28/2022 18:04	Vandana T. Nagar	2363318
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/28/2022 18:33	Vandana T. Nagar	2363319
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/28/2022 22:14	Julie Wi	2363316
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/28/2022 22:44	Julie Wi	2363318
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/28/2022 23:14	Julie Wi	2363319
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/31/2022 18:32	Vandana T. Nagar	2363316
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/31/2022 19:02	Vandana T. Nagar	2363318
EPA 8276	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/26/2022 12:44	Arthur Maknenko	2363316
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/26/2022 13:39	Arthur Maknenko	2363318
	10/19/2022	10/24/2022 08:00	Fe-Val Siddell	10/26/2022 14:35	Arthur Maknenko	2363319
EPA 8321B	10/19/2022	10/20/2022 09:00	Umesh Chiluwal	10/20/2022 09:43	Umesh Chiluwal	2363308
	10/19/2022	10/20/2022 09:00	Umesh Chiluwal	10/20/2022 09:58	Umesh Chiluwal	2363309
	10/19/2022	10/20/2022 09:00	Umesh Chiluwal	10/20/2022 10:13	Umesh Chiluwal	2363311
	10/19/2022	10/20/2022 09:00	Umesh Chiluwal	10/21/2022 16:17	Umesh Chiluwal	2363308
	10/19/2022	10/20/2022 09:00	Umesh Chiluwal	10/21/2022 16:30	Umesh Chiluwal	2363309
	10/19/2022	10/20/2022 09:00	Umesh Chiluwal	10/21/2022 16:43	Umesh Chiluwal	2363311
	10/19/2022	10/20/2022 09:30	June Rhew	10/24/2022 18:13	Juyoung Kim	2363308
	10/19/2022	10/20/2022 09:30	June Rhew	10/24/2022 18:34	Juyoung Kim	2363309
	10/19/2022	10/20/2022 09:30	June Rhew	10/24/2022 18:54	Juyoung Kim	2363311
	10/19/2022	10/24/2022 09:30	June Rhew	10/25/2022 01:29	Juyoung Kim	2363307
	10/19/2022	10/24/2022 09:30	June Rhew	10/25/2022 01:49	Juyoung Kim	2363310