Chemical Analysis Report

CEN-DIST-2022-11-09-03

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

Event Description: **Gee Cricks**
Request ID: **RQ-2022-11-07-25**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767
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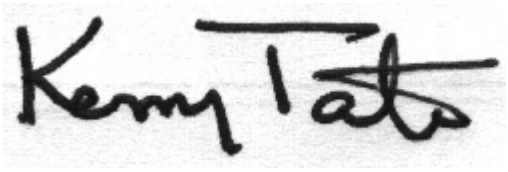
Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 22-NOV-2022 08:26



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: Gee Creek @ SR Hwy 419 **Collection Date/Time: 11/08/2022 10:53**

Field ID: G2CE0075 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2368922	EPA 8321B	Aldicarb	0.020	U	ug/L	P422229	
		Aldicarb Sulfone	0.0020	U	ug/L	P422229	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P422229	
		Carbaryl	0.0020	U	ug/L	P422229	
		Carbofuran	0.0020	U	ug/L	P422229	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P422229	
		Methiocarb	0.0020	U	ug/L	P422229	
		Methomyl	0.0020	U	ug/L	P422229	
		Oxamyl	0.0020	U	ug/L	P422229	
		Propoxur	0.0020	U	ug/L	P422229	
2368923		2,4-D	0.015		ug/L	P422267	
		Acesulfame K	0.11	I	ug/L	P422132	
		2,4,5-T	0.0040	U	ug/L	P422267	
		AMPA	0.12	I	ug/L	P422132	
		Acetaminophen	0.057		ug/L	P422267	
		Acetamiprid	0.0020	U	ug/L	P422267	
		Endothall	0.25	U	ug/L	P422132	MS
		Glufosinate	0.10	U	ug/L	P422132	
		Glyphosate	0.48		ug/L	P422132	
		Afidopyropen	0.0020	U	ug/L	P422267	
		Bentazon	0.045		ug/L	P422267	
		Sucralose	1.8		ug/L	P422132	
		Benzovindiflupyr	0.0020	U	ug/L	P422267	
		Carbamazepine	9.4E-04	I	ug/L	P422267	
		Clothianidin	0.0039	I	ug/L	P422267	
		Dinotefuran	0.0039	I	ug/L	P422267	
		Diuron	0.0070	I	ug/L	P422267	
		Fenuron	0.032	U	ug/L	P422267	
		Fluridone	0.017		ug/L	P422267	
		Imazapyr	0.14		ug/L	P422267	
		Hydrocodone	0.0020	U	ug/L	P422267	
		Ibuprofen	0.20	U	ug/L	P422267	
		Imidacloprid	0.0093		ug/L	P422267	MS
		Linuron	0.0040	U	ug/L	P422267	
		Mandestrobin	0.0020	U	ug/L	P422267	
		MCPP	0.0040	U	ug/L	P422267	
		Naproxen	0.0080	U	ug/L	P422267	
		Primidone	0.0063	I	ug/L	P422267	
		Pyraclostrobin	0.0020	U	ug/L	P422267	
		Silvex	0.0040	U	ug/L	P422267	
		Thiamethoxam	0.0020	U	ug/L	P422267	
		Tolfenpyrad	0.0020	U	ug/L	P422267	
		Triclopyr	0.0040	U	ug/L	P422267	
2368924	EPA 8270E	Aldrin	0.66	U	ng/L	P422151	

Field ID: G2CE0075 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2368924	EPA 8270E	Alpha-BHC	0.10	U	ng/L	P422151	
		Alpha-Chlordane	0.25	I	ng/L	P422151	
		PCB-1016	2.0	U	ng/L	P422151	
		Beta-BHC	0.10	U	ng/L	P422151	
		PCB-1221	2.0	U	ng/L	P422151	
		Beta-Cyfluthrin	1.3	U	ng/L	P422151	
		PCB-1232	2.0	U	ng/L	P422151	
		Bifenthrin	0.51	U	ng/L	P422151	
		PCB-1242	2.0	U	ng/L	P422151	
		PCB-1248	2.0	U	ng/L	P422151	
		Chlorothalonil	1.3	U	ng/L	P422151	
		PCB-1254	2.0	U	ng/L	P422151	
		Cis-Nonachlor	0.20	U	ng/L	P422151	
		PCB-1260	2.0	U	ng/L	P422151	
		Cypermethrin	1.5	U	ng/L	P422151	
		Dacthal	0.15	U	ng/L	P422151	
		DDD-p,p'	0.26	U	ng/L	P422151	
		DDE-p,p'	0.20	U	ng/L	P422151	
		DDT-p,p'	0.51	I	ng/L	P422151	
		Delta-BHC	0.41	U	ng/L	P422151	
		Deltamethrin	1.3	U	ng/L	P422151	
		Dichlobenil	0.26	U	ng/L	P422151	
		Dicofol	1.3	U	ng/L	P422151	
		Dieldrin	0.41	U	ng/L	P422151	
		Endosulfan I	0.41	U	ng/L	P422151	
		Endosulfan II	0.41	U	ng/L	P422151	
		Endosulfan Sulfate	0.31	U	ng/L	P422151	
		Endrin	0.41	U	ng/L	P422151	
		Endrin Aldehyde	0.77	UJ	ng/L	P422151	LCS
		Endrin Ketone	0.41	U	ng/L	P422151	
		Esfenvalerate	0.77	U	ng/L	P422151	
		Ethalfluralin	0.15	U	ng/L	P422151	
		Fenpropathrin	0.26	U	ng/L	P422151	
		Gamma-BHC	0.13	U	ng/L	P422151	
		Gamma-Chlordane	0.22	I	ng/L	P422151	
		Heptachlor	0.20	U	ng/L	P422151	
		Heptachlor Epoxide	0.26	U	ng/L	P422151	
		Hexachlorobenzene**	1.0	U	ng/L	P422151	
		Kepone	5.1	U	ng/L	P422151	
		Lambda-Cyhalothrin	0.77	U	ng/L	P422151	
		Methoprene	0.77	U	ng/L	P422151	
		Methoxychlor	0.31	U	ng/L	P422151	
		MGK-264	0.20	U	ng/L	P422151	
		Mirex	0.36	U	ng/L	P422151	
		Oxychlordane	0.31	U	ng/L	P422151	

Field ID: G2CE0075 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2368924	EPA 8270E	Permethrin	1.6	U	ng/L	P422151	
		Phenothrin	0.92	U	ng/L	P422151	
		Piperonyl Butoxide	0.15	U	ng/L	P422151	
		Prallethrin	2.0	U	ng/L	P422151	
		Tau-Fluvalinate	0.26	U	ng/L	P422151	
		Tetramethrin	0.77	U	ng/L	P422151	
		Trans-Nonachlor	0.20	U	ng/L	P422151	
		Triclosan Methyl	0.15	U	ng/L	P422151	
		Trifluralin	0.20	U	ng/L	P422151	
	EPA 8276	Chlordane	2.0	U	ng/L	P422151	
		Toxaphene	15	U	ng/L	P422151	
2368925	EPA 8270E	Oxybenzone**	9.6	U	ng/L	P422093	
		Acetochlor	0.24	U	ng/L	P422093	
		Octinoxate**	19	U	ng/L	P422093	
		Alachlor	0.24	U	ng/L	P422093	
		Avobenzone**	96	U	ng/L	P422093	
		Ametryn	0.57	U	ng/L	P422093	
		Atrazine	39		ng/L	P422093	
		PBDE-47**	3.8	U	ng/L	P422093	
		Atrazine Desethyl	3.4	I	ng/L	P422093	
		PBDE-99**	4.8	U	ng/L	P422093	
		Azinphos Methyl	1.9	U	ng/L	P422093	
		Tri-o-cresyl Phosphate**	5.7	U	ng/L	P422093	
		Azoxystrobin	1.1	I	ng/L	P422093	
		Bromacil	0.48	U	ng/L	P422093	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	11	U	ng/L	P422093	
		Butylate	0.38	U	ng/L	P422093	
		Dechlorane Plus**	29	U	ng/L	P422093	
		Caffeine**	27	I	ng/L	P422093	
		Carbophenothion	0.19	U	ng/L	P422093	
		Carfentrazone Ethyl	0.096	U	ng/L	P422093	
		Chlorfenapyr	0.17	U	ng/L	P422093	
		Chlorpyrifos Ethyl	0.24	U	ng/L	P422093	
		Chlorpyrifos Methyl	0.048	U	ng/L	P422093	
		Coumaphos	0.48	U	ng/L	P422093	
		Cyanazine	3.1	U	ng/L	P422093	
		Cyprodinil	0.096	U	ng/L	P422093	
		Demeton	1.4	U	ng/L	P422093	
		Diazinon	0.12	U	ng/L	P422093	
		Difenoconazole	0.57	U	ng/L	P422093	
		Dimethenamid	0.096	U	ng/L	P422093	
		Dimethomorph	0.17	U	ng/L	P422093	
		Disulfoton	0.48	U	ng/L	P422093	
		Dithiopyr	0.60	U	ng/L	P422093	

Field ID: G2CE0075 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2368925	EPA 8270E	EPTC	1.2	U	ng/L	P422093	
		Ethion	0.14	U	ng/L	P422093	
		Ethoprop	0.096	U	ng/L	P422093	
		Etridiazole	0.14	U	ng/L	P422093	
		Fenamiphos	0.48	U	ng/L	P422093	
		Fenbuconazole	0.12	U	ng/L	P422093	
		Fipronil	0.65	I	ng/L	P422093	
		Fipronil Desulfinyl**	1.2		ng/L	P422093	
		Fipronil Sulfide	0.98		ng/L	P422093	
		Fipronil Sulfone	2.4		ng/L	P422093	
		Fluazifop-P-butyl	0.096	U	ng/L	P422093	
		Fludioxonil	0.12	U	ng/L	P422093	
		Flumioxazin	4.3	U	ng/L	P422093	
		Flutolanil	0.096	U	ng/L	P422093	
		Fluxapyroxad	0.18	I	ng/L	P422093	
		Fonofos	0.19	U	ng/L	P422093	
		Hexazinone	0.48	U	ng/L	P422093	
		Imazalil	0.72	U	ng/L	P422093	
		Iprodione	0.57	U	ng/L	P422093	MS
		Loratadine**	0.34	U	ng/L	P422093	
		Malathion	0.34	U	ng/L	P422093	
		Metalaxyl	0.72	U	ng/L	P422093	
		Metolachlor	0.34	U	ng/L	P422093	
		Metribuzin	1.4	U	ng/L	P422093	
		Mevinphos	1.0	U	ng/L	P422093	
		Molinate	0.29	U	ng/L	P422093	
		Myclobutanil	1.2		ng/L	P422093	
		Naled	1.4	U	ng/L	P422093	
		Napropamide	0.38	U	ng/L	P422093	
		Norflurazon	0.48	U	ng/L	P422093	
		Oxadiazon	0.62	I	ng/L	P422093	
		Oxyfluorfen	0.14	U	ng/L	P422093	
		Parathion Ethyl	0.24	U	ng/L	P422093	
		Parathion Methyl	0.53	UJ	ng/L	P422093	LCS
		Pendimethalin	0.96	U	ng/L	P422093	
		Phenytoin**	3.4	U	ng/L	P422093	
		Phorate	0.50	U	ng/L	P422093	
		Prodiamine	0.17	U	ng/L	P422093	
		Prometon	0.86	U	ng/L	P422093	
		Prometryn	0.19	UJ	ng/L	P422093	LCS, MS
		Pronamide	0.14	U	ng/L	P422093	
		Propanil	0.12	U	ng/L	P422093	
		Propargite	1.4	U	ng/L	P422093	
		Propiconazole	4.4		ng/L	P422093	
		Pyraflufen Ethyl	0.24	U	ng/L	P422093	

Field ID: G2CE0075 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2368925	EPA 8270E	Pyridaben	2.7		ng/L	P422093	
		Pyriproxyfen	0.12	U	ng/L	P422093	
		Simazine	0.48	U	ng/L	P422093	
		Stirophos	0.12	U	ng/L	P422093	
		Sulfentrazone	5.7		ng/L	P422093	
		Tebuconazole	3.4		ng/L	P422093	
		Terbufos	0.096	U	ng/L	P422093	
		Terbuthylazine	0.41	U	ng/L	P422093	
		Thiobencarb	0.57	U	ng/L	P422093	
		Triadimefon	0.24	U	ng/L	P422093	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for atrazine, propiconazole, and simazine not assessed due to high content of these parameters in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P422093

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: P422093

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: P422093

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: P422093

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: P422151

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	1.2	U	ng/L
Chlorothalonil	1.2	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.25	U	ng/L
DDT-p,p'	0.25	U	ng/L
Delta-BHC	0.40	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P422151

Component	Result	Code	Units
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
Ethalfluralin	0.15	U	ng/L
Ethalfluralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	5.0	U	ng/L
Kepone	5.0	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P422151

Component	Result	Code	Units
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: P422151

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

Reference Method: EPA 8321B
Batch ID: P422132

Component	Result	Code	Units
Acesulfame K	0.10	U	ug/L
AMPA	0.10	U	ug/L
Endothall	0.25	U	ug/L
Glufosinate	0.10	U	ug/L
Glyphosate	0.10	U	ug/L
Sucralose	0.010	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P422229

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: P422267

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P422093

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	75.5		P	42 - 162
Acetochlor	102		P	69 - 123
Alachlor	92.2		P	65 - 118
Ametryn	125		P	58 - 141
Atrazine	107		P	73 - 118
Atrazine Desethyl	80.6		P	32 - 125
Avobenzone	85.2		P	40 - 203
Azinphos Methyl	139		P	36 - 197
Azoxystrobin	121		P	58 - 226
Bromacil	111		P	48 - 120
Butylate	47.2		P	27 - 85.0
Caffeine	94.6		P	40 - 137
Carbophenothion	99.5		P	54 - 132
Carfentrazone Ethyl	100		P	60 - 142
Chlorfenapyr	96.3		P	53 - 117
Chlorpyrifos Ethyl	97.1		P	59 - 116
Chlorpyrifos Methyl	107		P	66 - 119
Coumaphos	110		P	11 - 234
Cyanazine	186		P	61 - 248
Cyprodinil	128		P	50 - 147
Dechlorane Plus	71.6		P	47 - 182
Demeton	83.3		P	30 - 138
Diazinon	97.3		P	67 - 126
Difenoconazole	121		P	38 - 205
Dimethenamid	83.4		P	57 - 111
Dimethomorph	100		P	16 - 212
Disulfoton	97.9		P	46 - 126
Dithiopyr	111		P	62 - 115
EPTC	39.9		P	28 - 80.0
Ethion	85.1		P	24 - 122
Ethoprop	88.7		P	62 - 113
Etridiazole	57.6		P	28 - 92.0
Fenamiphos	118		P	57 - 128
Fenbuconazole	115		P	52 - 155
Fipronil	120		P	63 - 130
Fipronil Desulfinyl	105		P	61 - 130
Fipronil Sulfide	99.8		P	56 - 117
Fipronil Sulfone	110		P	52 - 118
Fluazifop-P-butyl	94.7		P	61 - 128
Fludioxonil	96.6		P	59 - 129
Flumioxazin	99.9		P	30 - 250
Flutolanil	110		P	53 - 127
Fluxapyroxad	111		P	42 - 132
Fonofos	86.8		P	61 - 110
Hexazinone	112		P	46 - 139
Imazalil	96.9		P	40 - 139
Iprodione	142		P	40 - 146
Loratadine	92.6		P	10 - 224
Malathion	116		P	61 - 135
Metalaxyl	108		P	58 - 121
Metolachlor	117		P	64 - 118
Metribuzin	104		P	45 - 245

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P422093

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Mevinphos	75.6		P	49 - 118
Molinate	58.2		P	42 - 92.0
Myclobutanil	114		P	55 - 127
Naled	102		P	10 - 114
Napropamide	95.7		P	39 - 121
Norflurazon	97.3		P	55 - 129
Octinoxate	64.9		P	26 - 166
Oxadiazon	101		P	54 - 115
Oxybenzone	66.6		P	49 - 135
Oxyfluorfen	109		P	64 - 139
Parathion Ethyl	104		P	70 - 111
Parathion Methyl	136		F	76 - 136
PBDE-47	67.3		P	41 - 148
PBDE-99	71.6		P	38 - 147
Pendimethalin	106		P	52 - 118
Phenytoin	97.1		P	10 - 162
Phorate	74.7		P	40 - 122
Prodiamine	75.9		P	26 - 141
Prometon	107		P	54 - 122
Prometryn	141		F	61 - 128
Pronamide	116		P	72 - 121
Propanil	93.5		P	45 - 144
Propargite	137		P	10 - 199
Propiconazole	102		P	56 - 127
Pyraflufen Ethyl	105		P	56 - 140
Pyridaben	142		P	26 - 211
Pyriproxyfen	142		P	33 - 194
Simazine	99.3		P	67 - 121
Stirophos	112		P	20 - 142
Sulfentrazone	83.4		P	21 - 144
Tebuconazole	116		P	10 - 122
Terbufos	107		P	60 - 129
Terbuthylazine	101		P	69 - 113
Thiobencarb	110		P	51 - 120
Tri-o-cresyl Phosphate	63.5		P	49 - 150
Triadimefon	105		P	56 - 114

Reference Method: EPA 8270E
Batch ID: P422151

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	63.8		P	10 - 92.0
Alpha-BHC	94.5		P	75 - 107
Alpha-Chlordane	91.2		P	50 - 108
Beta-BHC	104		P	36 - 138
Beta-Cyfluthrin	68.6		P	20 - 161
Bifenthrin	52.8		P	10 - 119
Chlorothalonil	103		P	26 - 186
Cis-Nonachlor	70.8		P	42 - 119
Cypermethrin	75.9		P	22 - 150
Dacthal	94.7		P	72 - 119
DDD-p,p'	83.2		P	45 - 107

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P422151

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
DDE-p,p'	75.6		P	48 - 106
DDT-p,p'	78.3		P	48 - 110
Delta-BHC	94.1		P	54 - 140
Deltamethrin	73.4		P	22 - 189
Dichlobenil	78.4		P	36 - 117
Dicofol	80.7		P	46 - 155
Dieldrin	75.4		P	54 - 110
Endosulfan I	78.5		P	59 - 105
Endosulfan II	79.1		P	51 - 118
Endosulfan Sulfate	86.5		P	57 - 121
Endrin	74.7		P	10 - 120
Endrin Aldehyde	25.5		F	34 - 118
Endrin Ketone	120		P	69 - 177
Esfenvalerate	63.8		P	23 - 168
Ethalfluralin	75.0		P	49 - 99.0
Fenpropathrin	70.0		P	34 - 117
Gamma-BHC	86.8		P	72 - 117
Gamma-Chlordane	89.9		P	43 - 106
Heptachlor	66.5		P	41 - 98.0
Heptachlor Epoxide	78.4		P	57 - 106
Hexachlorobenzene	78.5		P	36 - 99.0
Kepone	70.6		P	16 - 215
Lambda-Cyhalothrin	61.2		P	21 - 177
Methoprene	62.1		P	10 - 119
Methoxychlor	81.1		P	60 - 112
MGK-264	97.0		P	26 - 122
Mirex	61.5		P	10 - 169
Oxychlordane	70.0		P	43 - 105
PCB-1016	70.6		P	48 - 112
PCB-1260	68.1		P	44 - 118
Permethrin	71.4		P	24 - 148
Phenothrin	55.1		P	10 - 106
Piperonyl Butoxide	92.7		P	10 - 139
Prallethrin	81.5		P	17 - 109
Tau-Fluvalinate	55.1		P	13 - 131
Tetramethrin	91.6		P	10 - 132
Trans-Nonachlor	72.7		P	44 - 106
Triclosan Methyl	81.5		P	59 - 109
Trifluralin	69.2		P	44 - 101

Reference Method: EPA 8276
Batch ID: P422151

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	83.9		P	61 - 116
Toxaphene	96.1		P	48 - 124

Reference Method: EPA 8321B
Batch ID: P422132

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	138		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P422132

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
AMPA	94.7		P	40 - 150
Endothall	113		P	40 - 150
Glufosinate	76.5		P	40 - 150
Glyphosate	82.4		P	40 - 150
Sucralose	101		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P422229

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	92.1		P	40 - 150
Aldicarb	75.3		P	30 - 150
Aldicarb Sulfone	105		P	40 - 150
Aldicarb Sulfoxide	103		P	40 - 150
Carbaryl	71.6		P	40 - 150
Carbofuran	82.5		P	40 - 150
Methiocarb	83.6		P	40 - 150
Methomyl	99.4		P	40 - 150
Oxamyl	97.2		P	40 - 150
Propoxur	78.4		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P422267

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	107		P	40 - 150
2,4,5-T	85.1		P	40 - 150
Acetaminophen	91.7		P	30 - 150
Acetamiprid	95.7		P	40 - 150
Afidopyropen	74.1		P	30 - 150
Bentazon	97.1		P	30 - 150
Benzovindiflupyr	80.3		P	40 - 150
Carbamazepine	83.0		P	40 - 150
Clothianidin	96.2		P	40 - 150
Dinotefuran	101		P	40 - 150
Diuron	79.8		P	40 - 150
Fenuron	102		P	40 - 150
Fluridone	108		P	40 - 150
Hydrocodone	111		P	40 - 150
Ibuprofen	69.7		P	40 - 150
Imazapyr	119		P	40 - 150
Imidacloprid	104		P	40 - 150
Linuron	88.4		P	40 - 150
Mandestrobin	93.3		P	40 - 150
MCPP	95.3		P	40 - 150
Naproxen	80.3		P	40 - 150
Primidone	105		P	40 - 150
Pyraclostrobin	82.9		P	40 - 150
Silvex	79.7		P	40 - 150
Thiamethoxam	101		P	40 - 150
Tolfenpyrad	52.3		P	30 - 150
Triclopyr	86.1		P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P422093

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368154	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	62.6	59.6	P/P	26 - 165
2368154	Acetochlor	82.9	77.1	P/P	67 - 124
2368154	Alachlor	74.9	67.6	P/P	60 - 120
2368154	Ametryn	122	99.0	P/P	54 - 216
2368154	Atrazine Desethyl	88.7	59.0	P/P	15 - 122
2368154	Avobenzone	60.4	60.8	P/P	37 - 178
2368154	Azinphos Methyl	122	116	P/P	40 - 292
2368154	Azoxystrobin	117	106	P/P	35 - 220
2368154	Bromacil	108	105	P/P	45 - 127
2368154	Butylate	56.7	60.5	P/P	20 - 83.0
2368154	Caffeine	87.7	95.3	P/P	10 - 194
2368154	Carbophenothion	109	110	P/P	57 - 127
2368154	Carfentrazone Ethyl	100	94.6	P/P	51 - 141
2368154	Chlorfenapyr	90.8	104	P/P	46 - 111
2368154	Chlorpyrifos Ethyl	85.8	77.2	P/P	52 - 120
2368154	Chlorpyrifos Methyl	89.9	83.8	P/P	63 - 119
2368154	Coumaphos	102	101	P/P	10 - 228
2368154	Cyanazine	200	212	P/P	59 - 241
2368154	Cyprodinil	119	110	P/P	47 - 146
2368154	Dechlorane Plus	64.5	64.3	P/P	50 - 150
2368154	Demeton	104	96.0	P/P	40 - 136
2368154	Diazinon	93.3	89.9	P/P	69 - 132
2368154	Difenoconazole	107	105	P/P	57 - 258
2368154	Dimethenamid	68.5	64.3	P/P	54 - 110
2368154	Dimethomorph	125	126	P/P	28 - 210
2368154	Disulfoton	114	98.2	P/P	43 - 133
2368154	Dithiopyr	101	102	P/P	39 - 116
2368154	EPTC	52.6	45.6	P/P	20 - 78.0
2368154	Ethion	69.0	61.4	P/P	17 - 119
2368154	Ethoprop	109	96.4	P/P	66 - 120
2368154	Etridiazole	69.9	62.1	P/P	28 - 96.0
2368154	Fenamiphos	84.6	101	P/P	41 - 126
2368154	Fenbuconazole	104	104	P/P	42 - 169
2368154	Fipronil	112	122	P/P	61 - 132
2368154	Fipronil Desulfinyl	87.2	86.5	P/P	56 - 132
2368154	Fipronil Sulfide	99.8	104	P/P	48 - 119
2368154	Fipronil Sulfone	118	128	P/P	42 - 131
2368154	Fluazifop-P-butyl	88.7	99.8	P/P	53 - 131
2368154	Fludioxonil	82.6	79.3	P/P	56 - 127
2368154	Flumioxazin	98.8	102	P/P	19 - 300
2368154	Flutolanil	85.6	82.4	P/P	41 - 127
2368154	Fluxapyroxad	101	108	P/P	42 - 172
2368154	Fonofos	92.3	84.3	P/P	59 - 113
2368154	Hexazinone	103	94.5	P/P	66 - 122
2368154	Imazalil	67.8	69.7	P/P	21 - 283
2368154	Iprodione	197	203	F/F	43 - 150
2368154	Loratadine	88.7	93.2	P/P	23 - 201
2368154	Malathion	90.3	83.6	P/P	58 - 136
2368154	Metalaxyl	86.0	81.3	P/P	55 - 120
2368154	Metolachlor	106	105	P/P	57 - 121
2368154	Metribuzin	103	95.5	P/P	58 - 294
2368154	Mevinphos	96.6	93.1	P/P	50 - 126

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P422093

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368154	Molinate	80.2	69.6	P/P	42 - 93.0
2368154	Myclobutanil	112	101	P/P	55 - 125
2368154	Naled	96.9	99.1	P/P	18 - 200
2368154	Napropamide	82.5	74.9	P/P	39 - 110
2368154	Norflurazon	95.1	86.8	P/P	48 - 128
2368154	Octinoxate	55.0	50.7	P/P	21 - 159
2368154	Oxadiazon	95.5	92.8	P/P	43 - 112
2368154	Oxybenzone	53.4	46.5	P/P	41 - 142
2368154	Oxyfluorfen	115	116	P/P	64 - 153
2368154	Parathion Ethyl	96.4	93.3	P/P	69 - 114
2368154	Parathion Methyl	118	112	P/P	79 - 139
2368154	PBDE-47	57.4	53.8	P/P	27 - 144
2368154	PBDE-99	55.0	51.5	P/P	18 - 150
2368154	Pendimethalin	100	98.4	P/P	50 - 139
2368154	Phenytoin	58.3	62.2	P/P	10 - 146
2368154	Phorate	104	90.9	P/P	54 - 161
2368154	Prodiamine	77.2	80.2	P/P	30 - 161
2368154	Prometon	113	107	P/P	45 - 134
2368154	Prometryn	141	136	F/P	45 - 137
2368154	Pronamide	122	121	P/P	65 - 133
2368154	Propanil	86.1	87.1	P/P	49 - 142
2368154	Propargite	123	125	P/P	10 - 203
2368154	Pyraflufen Ethyl	109	97.3	P/P	34 - 153
2368154	Pyridaben	133	127	P/P	12 - 192
2368154	Pyriproxyfen	116	127	P/P	33 - 180
2368154	Stirophos	89.7	89.8	P/P	10 - 128
2368154	Sulfentrazone	102	122	P/P	53 - 186
2368154	Tebuconazole	108	98.7	P/P	10 - 133
2368154	Terbufos	126	123	P/P	65 - 139
2368154	Terbuthylazine	97.6	89.4	P/P	66 - 117
2368154	Thiobencarb	91.2	90.0	P/P	51 - 119
2368154	Tri-o-cresyl Phosphate	51.7	45.8	P/P	31 - 144
2368154	Triadimefon	96.9	95.7	P/P	48 - 119

Reference Method: EPA 8270E
Batch ID: P422151

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368153	PCB-1016	56.5	62.4	P/P	46 - 111
2368153	PCB-1260	48.1	56.7	P/P	45 - 114
2368799	Aldrin	57.4	53.1	P/P	20 - 82.0
2368799	Alpha-BHC	81.9	78.3	P/P	71 - 109
2368799	Alpha-Chlordane	72.7	68.1	P/P	42 - 106
2368799	Beta-BHC	87.0	92.7	P/P	69 - 180
2368799	Beta-Cyfluthrin	81.5	74.8	P/P	18 - 175
2368799	Bifenthrin	64.2	63.8	P/P	21 - 128
2368799	Chlorothalonil	127	118	P/P	10 - 300
2368799	Cis-Nonachlor	68.0	64.0	P/P	34 - 106
2368799	Cypermethrin	86.2	77.6	P/P	22 - 158
2368799	Dacthal	84.9	84.2	P/P	54 - 116
2368799	DDD-p,p'	79.2	73.4	P/P	34 - 107
2368799	DDE-p,p'	68.9	66.5	P/P	33 - 110

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P422151

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368799	DDT-p,p'	63.0	66.6	P/P	50 - 122
2368799	Delta-BHC	112	101	P/P	77 - 193
2368799	Deltamethrin	90.8	86.4	P/P	10 - 195
2368799	Dichlobenil	75.7	79.8	P/P	25 - 113
2368799	Dicofol	71.5	75.7	P/P	38 - 247
2368799	Dieldrin	73.9	70.8	P/P	45 - 118
2368799	Endosulfan I	73.4	68.1	P/P	51 - 106
2368799	Endosulfan II	78.9	72.6	P/P	37 - 122
2368799	Endosulfan Sulfate	86.0	76.9	P/P	43 - 132
2368799	Endrin	69.6	67.1	P/P	29 - 101
2368799	Endrin Aldehyde	56.5	53.8	P/P	19 - 110
2368799	Endrin Ketone	106	105	P/P	60 - 140
2368799	Esfenvalerate	81.8	76.6	P/P	26 - 199
2368799	Ethalfluralin	66.8	63.7	P/P	45 - 99.0
2368799	Fenpropathrin	78.5	72.2	P/P	35 - 120
2368799	Gamma-BHC	87.9	85.3	P/P	63 - 128
2368799	Gamma-Chlordane	69.9	69.4	P/P	40 - 104
2368799	Heptachlor	59.5	58.0	P/P	36 - 97.0
2368799	Heptachlor Epoxide	73.1	67.5	P/P	49 - 184
2368799	Hexachlorobenzene	73.9	71.4	P/P	39 - 96.0
2368799	Kepone	65.2	57.5	P/P	10 - 217
2368799	Lambda-Cyhalothrin	80.2	78.1	P/P	21 - 193
2368799	Methoprene	75.8	73.3	P/P	20 - 106
2368799	Methoxychlor	76.4	73.9	P/P	53 - 118
2368799	MGK-264	95.8	85.0	P/P	40 - 118
2368799	Mirex	62.8	59.1	P/P	26 - 92.0
2368799	Oxychlordane	65.3	57.7	P/P	44 - 99.0
2368799	Permethrin	81.1	75.7	P/P	33 - 182
2368799	Phenothrin	70.7	68.1	P/P	10 - 129
2368799	Piperonyl Butoxide	100	81.8	P/P	10 - 211
2368799	Prallethrin	84.4	80.0	P/P	24 - 113
2368799	Tau-Fluvalinate	77.8	73.1	P/P	14 - 149
2368799	Tetramethrin	101	102	P/P	17 - 151
2368799	Trans-Nonachlor	66.1	60.9	P/P	42 - 102
2368799	Triclosan Methyl	73.1	68.9	P/P	48 - 108
2368799	Trifluralin	59.4	58.8	P/P	47 - 96.0

Reference Method: EPA 8276
Batch ID: P422151

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368153	Chlordane	55.9	59.2	P/P	53 - 126
2368153	Toxaphene	79.6	81.2	P/P	56 - 211

Reference Method: EPA 8321B
Batch ID: P422132

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368761	Acesulfame K	78.7	67.9	P/P	40 - 150
2368761	AMPA	75.8	80.1	P/P	40 - 150
2368761	Endothall	203	207	F/F	40 - 150
2368761	Glufosinate	84.2	84.3	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P422132

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368761	Glyphosate	103	99.3	P/P	40 - 150
2368761	Sucralose	109	104	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P422229

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368922	3-Hydroxycarbofuran	78.9	88.3	P/P	40 - 150
2368922	Aldicarb	38.4	40.5	P/P	30 - 150
2368922	Aldicarb Sulfone	95.2	112	P/P	40 - 150
2368922	Aldicarb Sulfoxide	43.5	50.1	P/P	40 - 150
2368922	Carbaryl	44.8	45.8	P/P	40 - 150
2368922	Carbofuran	47.8	51.1	P/P	40 - 150
2368922	Methiocarb	57.0	61.7	P/P	40 - 150
2368922	Methomyl	73.1	87.1	P/P	40 - 150
2368922	Oxamyl	74.9	88.7	P/P	40 - 150
2368922	Propoxur	44.5	48.5	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P422267

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2368560	2,4-D	115	114	P/P	40 - 150
2368560	2,4,5-T	82.9	82.1	P/P	40 - 150
2368560	Acetaminophen	115	94.5	P/P	30 - 150
2368560	Acetamiprid	90.3	92.7	P/P	40 - 150
2368560	Afidopyropen	69.5	75.7	P/P	30 - 150
2368560	Bentazon	83.6	81.4	P/P	30 - 150
2368560	Benzovindiflupyr	80.4	83.6	P/P	40 - 150
2368560	Carbamazepine	84.4	82.4	P/P	40 - 150
2368560	Clothianidin	106	101	P/P	40 - 150
2368560	Dinotefuran	128	110	P/P	40 - 150
2368560	Diuron	72.6	73.4	P/P	40 - 150
2368560	Fenuron	99.5	96.8	P/P	40 - 150
2368560	Fluridone	103	100	P/P	40 - 150
2368560	Hydrocodone	121	111	P/P	40 - 150
2368560	Ibuprofen	75.3	84.0	P/P	40 - 150
2368560	Imazapyr	122	103	P/P	40 - 150
2368560	Imidacloprid	155	145	F/P	40 - 150
2368560	Linuron	86.7	75.5	P/P	40 - 150
2368560	Mandestrobin	90.8	91.1	P/P	40 - 150
2368560	MCPP	92.8	89.0	P/P	40 - 150
2368560	Naproxen	76.9	81.0	P/P	40 - 150
2368560	Primidone	97.8	93.8	P/P	40 - 150
2368560	Pyraclostrobin	88.5	85.6	P/P	40 - 150
2368560	Silvex	84.5	80.6	P/P	40 - 150
2368560	Thiamethoxam	128	124	P/P	40 - 150
2368560	Tolfenpyrad	58.2	55.9	P/P	30 - 150
2368560	Triclopyr	84.7	80.3	P/P	40 - 150

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P422093

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368154	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	4.95	Spike	P	0 - 37
2368154	Acetochlor	7.25	Spike	P	0 - 28
2368154	Alachlor	10.2	Spike	P	0 - 30
2368154	Ametryn	21.0	Spike	P	0 - 32
2368154	Atrazine	1.01	Spike	P	0 - 41
2368154	Atrazine Desethyl	21.0	Spike	P	0 - 36
2368154	Avobenzone	0.641	Spike	P	0 - 36
2368154	Azinphos Methyl	5.15	Spike	P	0 - 75
2368154	Azoxystrobin	8.19	Spike	P	0 - 39
2368154	Bromacil	2.80	Spike	P	0 - 33
2368154	Butylate	6.64	Spike	P	0 - 44
2368154	Caffeine	8.06	Spike	P	0 - 74
2368154	Carbophenothion	0.370	Spike	P	0 - 25
2368154	Carfentrazone Ethyl	5.79	Spike	P	0 - 27
2368154	Chlorfenapyr	13.4	Spike	P	0 - 24
2368154	Chlorpyrifos Ethyl	9.37	Spike	P	0 - 26
2368154	Chlorpyrifos Methyl	6.98	Spike	P	0 - 26
2368154	Coumaphos	1.80	Spike	P	0 - 28
2368154	Cyanazine	5.81	Spike	P	0 - 48
2368154	Cyprodinil	7.05	Spike	P	0 - 29
2368154	Dechlorane Plus	0.272	Spike	P	0 - 30
2368154	Demeton	7.75	Spike	P	0 - 33
2368154	Diazinon	3.64	Spike	P	0 - 29
2368154	Difenoconazole	2.02	Spike	P	0 - 34
2368154	Dimethenamid	6.33	Spike	P	0 - 39
2368154	Dimethomorph	0.337	Spike	P	0 - 51
2368154	Disulfoton	15.0	Spike	P	0 - 30
2368154	Dithiopyr	0.670	Spike	P	0 - 26
2368154	EPTC	14.2	Spike	P	0 - 43
2368154	Ethion	11.6	Spike	P	0 - 79
2368154	Ethoprop	12.6	Spike	P	0 - 29
2368154	Etridiazole	11.9	Spike	P	0 - 33
2368154	Fenamiphos	17.4	Spike	P	0 - 40
2368154	Fenbuconazole	0.0698	Spike	P	0 - 74
2368154	Fipronil	7.60	Spike	P	0 - 29
2368154	Fipronil Desulfinyl	0.680	Spike	P	0 - 32
2368154	Fipronil Sulfide	3.63	Spike	P	0 - 30
2368154	Fipronil Sulfone	6.14	Spike	P	0 - 33
2368154	Fluazifop-P-butyl	11.7	Spike	P	0 - 38
2368154	Fludioxonil	4.07	Spike	P	0 - 29
2368154	Flumioxazin	3.38	Spike	P	0 - 51
2368154	Flutolanil	3.75	Spike	P	0 - 25
2368154	Fluxapyroxad	6.08	Spike	P	0 - 45
2368154	Fonofos	9.11	Spike	P	0 - 27
2368154	Hexazinone	7.36	Spike	P	0 - 30
2368154	Imazalil	2.69	Spike	P	0 - 100
2368154	Iprodione	3.31	Spike	P	0 - 33
2368154	Loratadine	4.92	Spike	P	0 - 56
2368154	Malathion	7.70	Spike	P	0 - 37
2368154	Metalaxyl	5.56	Spike	P	0 - 40
2368154	Metolachlor	0.371	Spike	P	0 - 29

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P422093

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368154	Metribuzin	7.98	Spike	P	0 - 45
2368154	Mevinphos	3.74	Spike	P	0 - 29
2368154	Molinate	14.2	Spike	P	0 - 33
2368154	Myclobutanil	10.3	Spike	P	0 - 26
2368154	Naled	2.31	Spike	P	0 - 37
2368154	Napropamide	9.75	Spike	P	0 - 44
2368154	Norflurazon	9.21	Spike	P	0 - 30
2368154	Octinoxate	8.14	Spike	P	0 - 45
2368154	Oxadiazon	2.88	Spike	P	0 - 28
2368154	Oxybenzone	13.8	Spike	P	0 - 46
2368154	Oxyfluorfen	1.35	Spike	P	0 - 28
2368154	Parathion Ethyl	3.32	Spike	P	0 - 31
2368154	Parathion Methyl	5.17	Spike	P	0 - 29
2368154	PBDE-47	6.50	Spike	P	0 - 36
2368154	PBDE-99	6.54	Spike	P	0 - 40
2368154	Pendimethalin	1.61	Spike	P	0 - 33
2368154	Phenytoin	6.40	Spike	P	0 - 100
2368154	Phorate	13.8	Spike	P	0 - 36
2368154	Prodiamine	3.88	Spike	P	0 - 71
2368154	Prometon	5.10	Spike	P	0 - 36
2368154	Prometryn	3.55	Spike	P	0 - 28
2368154	Pronamide	0.510	Spike	P	0 - 24
2368154	Propanil	1.22	Spike	P	0 - 28
2368154	Propargite	1.11	Spike	P	0 - 43
2368154	Propiconazole	8.60	Spike	P	0 - 33
2368154	Pyraflufen Ethyl	11.5	Spike	P	0 - 29
2368154	Pyridaben	4.12	Spike	P	0 - 30
2368154	Pyriproxyfen	9.44	Spike	P	0 - 79
2368154	Simazine	1.94	Spike	P	0 - 29
2368154	Stirophos	0.174	Spike	P	0 - 61
2368154	Sulfentrazone	10.4	Spike	P	0 - 33
2368154	Tebuconazole	8.58	Spike	P	0 - 69
2368154	Terbufos	2.54	Spike	P	0 - 29
2368154	Terbuthylazine	8.80	Spike	P	0 - 32
2368154	Thiobencarb	1.38	Spike	P	0 - 26
2368154	Tri-o-cresyl Phosphate	12.0	Spike	P	0 - 33
2368154	Triadimefon	1.26	Spike	P	0 - 28

Reference Method: EPA 8270E
Batch ID: P422151

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368153	PCB-1016	10.0	Spike	P	0 - 32
2368153	PCB-1260	16.4	Spike	P	0 - 31
2368799	Aldrin	7.87	Spike	P	0 - 41
2368799	Alpha-BHC	4.43	Spike	P	0 - 25
2368799	Alpha-Chlordane	6.57	Spike	P	0 - 33
2368799	Beta-BHC	6.41	Spike	P	0 - 36
2368799	Beta-Cyfluthrin	8.61	Spike	P	0 - 42
2368799	Bifenthrin	0.657	Spike	P	0 - 53

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P422151

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368799	Chlorothalonil	7.28	Spike	P	0 - 71
2368799	Cis-Nonachlor	6.03	Spike	P	0 - 29
2368799	Cypermethrin	10.4	Spike	P	0 - 40
2368799	Dacthal	0.872	Spike	P	0 - 26
2368799	DDD-p,p'	7.57	Spike	P	0 - 39
2368799	DDE-p,p'	3.58	Spike	P	0 - 33
2368799	DDT-p,p'	5.03	Spike	P	0 - 40
2368799	Delta-BHC	10.4	Spike	P	0 - 37
2368799	Deltamethrin	4.88	Spike	P	0 - 100
2368799	Dichlobenil	5.25	Spike	P	0 - 40
2368799	Dicofol	5.69	Spike	P	0 - 31
2368799	Dieldrin	4.35	Spike	P	0 - 27
2368799	Endosulfan I	7.50	Spike	P	0 - 23
2368799	Endosulfan II	8.39	Spike	P	0 - 28
2368799	Endosulfan Sulfate	11.1	Spike	P	0 - 38
2368799	Endrin	3.70	Spike	P	0 - 63
2368799	Endrin Aldehyde	4.90	Spike	P	0 - 60
2368799	Endrin Ketone	0.965	Spike	P	0 - 37
2368799	Esfenvalerate	6.62	Spike	P	0 - 52
2368799	Ethalfluralin	4.73	Spike	P	0 - 23
2368799	Fenpropathrin	8.48	Spike	P	0 - 32
2368799	Gamma-BHC	3.01	Spike	P	0 - 17
2368799	Gamma-Chlordane	0.758	Spike	P	0 - 40
2368799	Heptachlor	2.58	Spike	P	0 - 29
2368799	Heptachlor Epoxide	8.04	Spike	P	0 - 25
2368799	Hexachlorobenzene	3.36	Spike	P	0 - 36
2368799	Kepone	12.6	Spike	P	0 - 93
2368799	Lambda-Cyhalothrin	2.58	Spike	P	0 - 55
2368799	Methoprene	3.41	Spike	P	0 - 53
2368799	Methoxychlor	3.23	Spike	P	0 - 29
2368799	MGK-264	11.9	Spike	P	0 - 35
2368799	Mirex	6.13	Spike	P	0 - 46
2368799	Oxychlordane	12.4	Spike	P	0 - 29
2368799	Permethrin	6.84	Spike	P	0 - 44
2368799	Phenothrin	3.66	Spike	P	0 - 56
2368799	Piperonyl Butoxide	20.4	Spike	P	0 - 100
2368799	Prallethrin	5.44	Spike	P	0 - 42
2368799	Tau-Fluvalinate	6.26	Spike	P	0 - 54
2368799	Tetramethrin	0.460	Spike	P	0 - 51
2368799	Trans-Nonachlor	8.15	Spike	P	0 - 37
2368799	Triclosan Methyl	5.94	Spike	P	0 - 31
2368799	Trifluralin	0.918	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P422151

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368153	Chlordane	5.66	Spike	P	0 - 25
2368153	Toxaphene	2.10	Spike	P	0 - 26

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P422132

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368761	Acesulfame K	14.7	Spike	P	0 - 30
2368761	AMPA	4.66	Spike	P	0 - 30
2368761	Endothall	1.64	Spike	P	0 - 30
2368761	Glufosinate	0.132	Spike	P	0 - 30
2368761	Glyphosate	3.62	Spike	P	0 - 30
2368761	Sucralose	4.51	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P422229

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368922	3-Hydroxycarbofuran	11.2	Spike	P	0 - 30
2368922	Aldicarb	5.33	Spike	P	0 - 30
2368922	Aldicarb Sulfone	16.3	Spike	P	0 - 30
2368922	Aldicarb Sulfoxide	14.1	Spike	P	0 - 30
2368922	Carbaryl	2.39	Spike	P	0 - 30
2368922	Carbofuran	6.63	Spike	P	0 - 30
2368922	Methiocarb	7.93	Spike	P	0 - 30
2368922	Methomyl	17.5	Spike	P	0 - 30
2368922	Oxamyl	16.9	Spike	P	0 - 30
2368922	Propoxur	8.57	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P422267

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368560	2,4-D	1.33	Spike	P	0 - 30
2368560	2,4,5-T	0.966	Spike	P	0 - 30
2368560	Acetaminophen	20.0	Spike	P	0 - 30
2368560	Acetamiprid	2.67	Spike	P	0 - 30
2368560	Afidopyropen	8.56	Spike	P	0 - 30
2368560	Bentazon	2.02	Spike	P	0 - 30
2368560	Benzovindiflupyr	3.85	Spike	P	0 - 30
2368560	Carbamazepine	2.36	Spike	P	0 - 30
2368560	Clothianidin	4.44	Spike	P	0 - 30
2368560	Dinotefuran	13.5	Spike	P	0 - 30
2368560	Diuron	1.12	Spike	P	0 - 30
2368560	Fenuron	2.77	Spike	P	0 - 30
2368560	Fluridone	2.43	Spike	P	0 - 30
2368560	Hydrocodone	8.20	Spike	P	0 - 30
2368560	Ibuprofen	10.9	Spike	P	0 - 30
2368560	Imazapyr	15.3	Spike	P	0 - 30
2368560	Imidacloprid	6.73	Spike	P	0 - 30
2368560	Linuron	13.8	Spike	P	0 - 30
2368560	Mandestrobin	0.277	Spike	P	0 - 30
2368560	MCPP	4.15	Spike	P	0 - 30
2368560	Naproxen	5.11	Spike	P	0 - 30
2368560	Primidone	4.18	Spike	P	0 - 30
2368560	Pyraclostrobin	3.41	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P422267

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2368560	Silvex	4.72	Spike	P	0 - 30
2368560	Thiamethoxam	3.23	Spike	P	0 - 30
2368560	Tolfenpyrad	4.05	Spike	P	0 - 30
2368560	Triclopyr	5.26	Spike	P	0 - 30

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2368922
Field Sample ID: G2CE0075

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	59.5	P	30 - 160

Lab Sample ID: 2368923
Field Sample ID: G2CE0075

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	112	P	30 - 160
EPA 8321B	Acetaminophen-d4	104	P	30 - 160
EPA 8321B	Carbamazepine-d10	59.1	P	30 - 160
EPA 8321B	Diuron-d6	52.8	P	30 - 160
EPA 8321B	Endothall-d6	125	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	89.1	P	30 - 160
EPA 8321B	Ibuprofen-d3	79.5	P	30 - 160
EPA 8321B	Primidone-d5	110	P	30 - 160
EPA 8321B	Sucralose-d6	134	P	30 - 160

Lab Sample ID: 2368924
Field Sample ID: G2CE0075

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	98.5	P	29 - 130
EPA 8270E	Decachlorobiphenyl	84.5	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	65.2	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	75.7	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	71.0	P	30 - 101
EPA 8276	PCNB	88.7	P	48 - 121

Lab Sample ID: 2368925
Field Sample ID: G2CE0075

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	74.5	P	20 - 200
EPA 8270E	Simazine-d10	124	P	62 - 142
EPA 8270E	Terbufos-d10	92.1	P	58 - 132
EPA 8270E	Terphenyl-d14	113	P	52 - 137

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A115877
Included Lab Sample IDs: 2368923

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	91.3	86.7	P/P	60 - 160
Endothall	113	116	P/P	60 - 160
Glufosinate	78.3	86.9	P/P	60 - 160
Glyphosate	90.0	97.3	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A115879
Included Lab Sample IDs: 2368923

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	145	150	P/P	60 - 160
Sucralose	71.3	78.1	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A115891
Included Lab Sample IDs: 2368925

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	102		P	80 - 120
Alachlor	103		P	80 - 120
Ametryn	95.4		P	80 - 120
Atrazine	96.1		P	80 - 120
Atrazine Desethyl	101		P	80 - 120
Azinphos Methyl	92.3		P	80 - 120
Azoxystrobin	96.7		P	80 - 120
Bromacil	111		P	80 - 120
Butylate	99.0		P	80 - 120
Caffeine	89.8		P	80 - 120
Carbophenothion	101		P	80 - 120
Carfentrazone Ethyl	98.9		P	80 - 120
Chlorfenapyr	97.2		P	80 - 120
Chlorpyrifos Ethyl	95.5		P	80 - 120
Chlorpyrifos Methyl	100		P	80 - 120
Coumaphos	105		P	80 - 120
Cyanazine	97.8		P	80 - 120
Cyprodinil	107		P	80 - 120
Demeton	108		P	80 - 120
Diazinon	102		P	80 - 120
Difenoconazole	102		P	80 - 120
Dimethenamid	104		P	80 - 120
Dimethomorph	99.3		P	80 - 120
Disulfoton	112		P	80 - 120
Dithiopyr	112		P	80 - 120
EPTC	103		P	80 - 120
Ethion	100		P	80 - 120
Ethoprop	101		P	80 - 120
Etridiazole	95.8		P	80 - 120
Fenamiphos	102		P	80 - 120
Fenbuconazole	112		P	80 - 120
Fipronil	101		P	80 - 120
Fipronil Desulfinyl	90.8		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A115891
Included Lab Sample IDs: 2368925

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fipronil Sulfide	105		P	80 - 120
Fipronil Sulfone	104		P	80 - 120
Fluazifop-P-butyl	100		P	80 - 120
Fludioxonil	107		P	80 - 120
Flumioxazin	104		P	80 - 120
Flutolanil	102		P	80 - 120
Fluxapyroxad	109		P	80 - 120
Fonofos	108		P	80 - 120
Hexazinone	101		P	80 - 120
Imazalil	98.4		P	80 - 120
Iprodione	99.5		P	80 - 120
Loratadine	97.5		P	80 - 120
Malathion	94.4		P	80 - 120
Metalaxyl	92.8		P	80 - 120
Metolachlor	103		P	80 - 120
Metribuzin	108		P	80 - 120
Mevinphos	108		P	80 - 120
Molinate	109		P	80 - 120
Myclobutanil	104		P	80 - 120
Naled	112		P	80 - 120
Napropamide	101		P	80 - 120
Norflurazon	108		P	80 - 120
Oxadiazon	100		P	80 - 120
Oxyfluorfen	101		P	80 - 120
Parathion Ethyl	97.8		P	80 - 120
Parathion Methyl	98.5		P	80 - 120
Pendimethalin	102		P	80 - 120
Phenytoin	99.4		P	80 - 120
Phorate	113		P	80 - 120
Prodiamine	101		P	80 - 120
Prometon	115		P	80 - 120
Prometryn	87.3		P	80 - 120
Pronamide	103		P	80 - 120
Propanil	96.2		P	80 - 120
Propargite	92.9		P	80 - 120
Propiconazole	102		P	80 - 120
Pyraflufen Ethyl	111		P	80 - 120
Pyridaben	88.7		P	80 - 120
Pyriproxyfen	91.2		P	80 - 120
Simazine	103		P	80 - 120
Stirophos	99.2		P	80 - 120
Sulfentrazone	93.4		P	80 - 120
Tebuconazole	100		P	80 - 120
Terbufos	111		P	80 - 120
Terbuthylazine	101		P	80 - 120
Thiobencarb	92.2		P	80 - 120
Triadimefon	98.6		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A115905
Included Lab Sample IDs: 2368922

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	102	105	P/P	60 - 150
Aldicarb	102	107	P/P	60 - 150
Aldicarb Sulfone	104	106	P/P	50 - 150
Aldicarb Sulfoxide	105	99.0	P/P	50 - 150
Carbaryl	102	109	P/P	60 - 150
Carbofuran	97.2	110	P/P	50 - 150
Methiocarb	121	111	P/P	50 - 150
Methomyl	104	108	P/P	50 - 150
Oxamyl	106	107	P/P	50 - 150
Propoxur	112	106	P/P	50 - 150

Reference Method: EPA 8270E
Run ID: A115923
Included Lab Sample IDs: 2368925

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	94.0		P	80 - 120
Avobenzone	97.9		P	80 - 120
Dechlorane Plus	96.0		P	80 - 120
Octinoxate	95.4		P	80 - 120
Oxybenzone	94.6		P	80 - 120
PBDE-47	88.7		P	80 - 120
PBDE-99	94.0		P	80 - 120
Tri-o-cresyl Phosphate	94.7		P	80 - 120

Reference Method: EPA 8270E
Run ID: A115970
Included Lab Sample IDs: 2368924

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	92.3		P	80 - 120
PCB-1260	97.5		P	80 - 120

Reference Method: EPA 8270E
Run ID: A115986
Included Lab Sample IDs: 2368924

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	101		P	80 - 120
Alpha-BHC	101		P	80 - 120
Alpha-Chlordane	98.7		P	80 - 120
Beta-BHC	109		P	80 - 120
Beta-Cyfluthrin	109		P	80 - 120
Bifenthrin	103		P	80 - 120
Chlorothalonil	108		P	80 - 120
Cis-Nonachlor	104		P	80 - 120
Cypermethrin	111		P	80 - 120
Dacthal	110		P	80 - 120
DDD-p,p'	112		P	80 - 120
DDE-p,p'	111		P	80 - 120
DDT-p,p'	101		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A115986
Included Lab Sample IDs: 2368924

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Delta-BHC	102		P	80 - 120
Deltamethrin	103		P	80 - 120
Dichlobenil	101		P	80 - 120
Dicofol	99.0		P	80 - 120
Dieldrin	110		P	80 - 120
Endosulfan I	107		P	80 - 120
Endosulfan II	108		P	80 - 120
Endosulfan Sulfate	115		P	80 - 120
Endrin	106		P	80 - 120
Endrin Aldehyde	110		P	80 - 120
Endrin Ketone	92.9		P	80 - 120
Esfenvalerate	108		P	80 - 120
Ethalfluralin	102		P	80 - 120
Fenpropathrin	106		P	80 - 120
Gamma-BHC	116		P	80 - 120
Gamma-Chlordane	98.8		P	80 - 120
Heptachlor	106		P	80 - 120
Heptachlor Epoxide	102		P	80 - 120
Hexachlorobenzene	99.9		P	80 - 120
Kepone	99.3		P	80 - 120
Lambda-Cyhalothrin	106		P	80 - 120
Methoprene	107		P	80 - 120
Methoxychlor	100		P	80 - 120
MGK-264	105		P	80 - 120
Mirex	103		P	80 - 120
Oxychlordane	104		P	80 - 120
Permethrin	106		P	80 - 120
Phenothrin	99.2		P	80 - 120
Piperonyl Butoxide	101		P	80 - 120
Prallethrin	106		P	80 - 120
Tau-Fluvalinate	109		P	80 - 120
Tetramethrin	105		P	80 - 120
Trans-Nonachlor	103		P	80 - 120
Triclosan Methyl	102		P	80 - 120
Trifluralin	97.1		P	80 - 120

Reference Method: EPA 8321B
Run ID: A115989
Included Lab Sample IDs: 2368923

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	102	95.8	P/P	50 - 150
2,4,5-T	103	106	P/P	50 - 150
Acetaminophen	94.0	95.0	P/P	60 - 160
Acetamiprid	104	109	P/P	50 - 150
Afidopyropen	111	107	P/P	50 - 150
Bentazon	107	107	P/P	50 - 160
Benzovindiflupyr	115	110	P/P	50 - 150
Carbamazepine	104	111	P/P	60 - 150
Clothianidin	102	102	P/P	60 - 150
Dinotefuran	109	102	P/P	50 - 150

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A115989
Included Lab Sample IDs: 2368923

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Diuron	106	106	P/P	60 - 160
Fenuron	101	104	P/P	60 - 150
Fluridone	110	109	P/P	60 - 160
Hydrocodone	102	106	P/P	60 - 150
Ibuprofen	90.9	93.7	P/P	50 - 160
Imazapyr	98.6	108	P/P	50 - 150
Imidacloprid	100	101	P/P	60 - 150
Linuron	101	115	P/P	60 - 150
Mandestrobin	108	105	P/P	50 - 150
MCPP	107	105	P/P	50 - 150
Naproxen	88.8	100	P/P	50 - 160
Primidone	103	94.2	P/P	60 - 150
Pyraclostrobin	108	110	P/P	60 - 150
Silvex	98.5	89.0	P/P	50 - 150
Thiamethoxam	106	105	P/P	50 - 150
Tolfenpyrad	104	102	P/P	60 - 150
Triclopyr	104	105	P/P	50 - 150

Reference Method: EPA 8276
Run ID: A116027
Included Lab Sample IDs: 2368924

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	97.4		P	80 - 120
Toxaphene	98.8		P	80 - 120

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	75.5	62.6	59.6			4.95
	Acetochlor	102	82.9	77.1			7.25
	Alachlor	92.2	74.9	67.6			10.2
	Aldrin	63.8	57.4	53.1			7.87
	Alpha-BHC	94.5	81.9	78.3			4.43
	Alpha-Chlordane	91.2	72.7	68.1			6.57
	Ametryn	125	122	99.0			21.0
	Atrazine	107					1.01
	Atrazine Desethyl	80.6	88.7	59.0			21.0
	Avobenzone	85.2	60.4	60.8			0.641
	Azinphos Methyl	139	122	116			5.15
	Azoxystrobin	121	117	106			8.19
	Beta-BHC	104	87.0	92.7			6.41
	Beta-Cyfluthrin	68.6	81.5	74.8			8.61
	Bifenthrin	52.8	64.2	63.8			0.657
	Bromacil	111	108	105			2.80
	Butylate	47.2	56.7	60.5			6.64
	Caffeine	94.6	87.7	95.3			8.06
	Carbophenothion	99.5	109	110			0.370
	Carfentrazone Ethyl	100	100	94.6			5.79
	Chlorfenapyr	96.3	90.8	104			13.4
	Chlorothalonil	103	127	118			7.28
	Chlorpyrifos Ethyl	97.1	85.8	77.2			9.37
	Chlorpyrifos Methyl	107	89.9	83.8			6.98
	Cis-Nonachlor	70.8	68.0	64.0			6.03
	Coumaphos	110	102	101			1.80
	Cyanazine	186	200	212			5.81
	Cypermethrin	75.9	86.2	77.6			10.4
	Cyprodinil	128	119	110			7.05
	Dacthal	94.7	84.9	84.2			0.872
	DDD-p,p'	83.2	79.2	73.4			7.57
	DDE-p,p'	75.6	66.5	68.9			3.58
	DDT-p,p'	78.3	66.6	63.0			5.03
	Dechlorane Plus	71.6	64.5	64.3			0.272
	Delta-BHC	94.1	101	112			10.4
	Deltamethrin	73.4	86.4	90.8			4.88
	Demeton	83.3	104	96.0			7.75
	Diazinon	97.3	93.3	89.9			3.64
	Dichlobenil	78.4	79.8	75.7			5.25
	Dicofol	80.7	75.7	71.5			5.69
	Dieldrin	75.4	70.8	73.9			4.35
	Difenoconazole	121	107	105			2.02
	Dimethenamid	83.4	68.5	64.3			6.33
	Dimethomorph	100	125	126			0.337
	Disulfoton	97.9	114	98.2			15.0
	Dithiopyr	111	101	102			0.670
	Endosulfan I	78.5	68.1	73.4			7.50
	Endosulfan II	79.1	72.6	78.9			8.39
	Endosulfan Sulfate	86.5	76.9	86.0			11.1
	Endrin	74.7	67.1	69.6			3.70
	Endrin Aldehyde	25.5	53.8	56.5			4.90
	Endrin Ketone	120	105	106			0.965

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	EPTC	39.9	52.6	45.6			14.2
	Esfenvalerate	63.8	76.6	81.8			6.62
	Ethalfluralin	75.0	63.7	66.8			4.73
	Ethion	85.1	69.0	61.4			11.6
	Ethoprop	88.7	109	96.4			12.6
	Etridiazole	57.6	69.9	62.1			11.9
	Fenamiphos	118	84.6	101			17.4
	Fenbuconazole	115	104	104			0.0698
	Fenpropathrin	70.0	72.2	78.5			8.48
	Fipronil	120	112	122			7.60
	Fipronil Desulfinyl	105	87.2	86.5			0.680
	Fipronil Sulfide	99.8	99.8	104			3.63
	Fipronil Sulfone	110	118	128			6.14
	Fluazifop-P-butyl	94.7	88.7	99.8			11.7
	Fludioxonil	96.6	82.6	79.3			4.07
	Flumioxazin	99.9	98.8	102			3.38
	Flutolanil	110	85.6	82.4			3.75
	Fluxapyroxad	111	101	108			6.08
	Fonofos	86.8	92.3	84.3			9.11
	Gamma-BHC	86.8	85.3	87.9			3.01
	Gamma-Chlordane	89.9	69.4	69.9			0.758
	Heptachlor	66.5	58.0	59.5			2.58
	Heptachlor Epoxide	78.4	67.5	73.1			8.04
	Hexachlorobenzene	78.5	71.4	73.9			3.36
	Hexazinone	112	103	94.5			7.36
	Imazalil	96.9	67.8	69.7			2.69
	Iprodione	142	197	203			3.31
	Kepone	70.6	57.5	65.2			12.6
	Lambda-Cyhalothrin	61.2	78.1	80.2			2.58
	Loratadine	92.6	88.7	93.2			4.92
	Malathion	116	90.3	83.6			7.70
	Metalaxyl	108	86.0	81.3			5.56
	Methoprene	62.1	73.3	75.8			3.41
	Methoxychlor	81.1	73.9	76.4			3.23
	Metolachlor	117	106	105			0.371
	Metribuzin	104	103	95.5			7.98
	Mevinphos	75.6	96.6	93.1			3.74
	MGK-264	97.0	85.0	95.8			11.9
	Mirex	61.5	59.1	62.8			6.13
	Molinate	58.2	80.2	69.6			14.2
	Myclobutanil	114	112	101			10.3
	Naled	102	96.9	99.1			2.31
	Napropamide	95.7	82.5	74.9			9.75
	Norflurazon	97.3	95.1	86.8			9.21
	Octinoxate	64.9	55.0	50.7			8.14
	Oxadiazon	101	95.5	92.8			2.88
	Oxybenzone	66.6	53.4	46.5			13.8
	Oxychlordane	70.0	57.7	65.3			12.4
	Oxyfluorfen	109	115	116			1.35
	Parathion Ethyl	104	96.4	93.3			3.32
	Parathion Methyl	136	118	112			5.17
	PBDE-47	67.3	57.4	53.8			6.50
	PBDE-99	71.6	55.0	51.5			6.54
	PCB-1016	70.6	56.5	62.4			10.0

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	PCB-1260	68.1	48.1	56.7			16.4
	Pendimethalin	106	100	98.4			1.61
	Permethrin	71.4	75.7	81.1			6.84
	Phenothrin	55.1	68.1	70.7			3.66
	Phenytoin	97.1	58.3	62.2			6.40
	Phorate	74.7	104	90.9			13.8
	Piperonyl Butoxide	92.7	81.8	100			20.4
	Prallethrin	81.5	80.0	84.4			5.44
	Prodiamine	75.9	77.2	80.2			3.88
	Prometon	107	113	107			5.10
	Prometryn	141	141	136			3.55
	Pronamide	116	122	121			0.510
	Propanil	93.5	86.1	87.1			1.22
	Propargite	137	123	125			1.11
	Propiconazole	102					8.60
	Pyraflufen Ethyl	105	109	97.3			11.5
	Pyridaben	142	133	127			4.12
	Pyriproxyfen	142	116	127			9.44
	Simazine	99.3					1.94
	Stirophos	112	89.7	89.8			0.174
	Sulfentrazone	83.4	102	122			10.4
	Tau-Fluvalinate	55.1	73.1	77.8			6.26
	Tebuconazole	116	108	98.7			8.58
	Terbufos	107	126	123			2.54
	Terbuthylazine	101	97.6	89.4			8.80
	Tetramethrin	91.6	102	101			0.460
	Thiobencarb	110	91.2	90.0			1.38
	Trans-Nonachlor	72.7	60.9	66.1			8.15
	Tri-o-cresyl Phosphate	63.5	51.7	45.8			12.0
	Triadimefon	105	96.9	95.7			1.26
	Triclosan Methyl	81.5	68.9	73.1			5.94
	Trifluralin	69.2	58.8	59.4			0.918
EPA 8276	Chlordane	83.9	55.9	59.2			5.66
	Toxaphene	96.1	79.6	81.2			2.10
EPA 8321B	2,4-D	107	115	114			1.33
	2,4,5-T	85.1	82.9	82.1			0.966
	3-Hydroxycarbofuran	92.1	78.9	88.3			11.2
	Acesulfame K	138	78.7	67.9			14.7
	Acetaminophen	91.7	115	94.5			20.0
	Acetamiprid	95.7	90.3	92.7			2.67
	Afidopyropen	74.1	69.5	75.7			8.56
	Aldicarb	75.3	38.4	40.5			5.33
	Aldicarb Sulfone	105	95.2	112			16.3
	Aldicarb Sulfoxide	103	43.5	50.1			14.1
	AMPA	94.7	75.8	80.1			4.66
	Bentazon	97.1	83.6	81.4			2.02
	Benzovindiflupyr	80.3	80.4	83.6			3.85
	Carbamazepine	83.0	84.4	82.4			2.36
	Carbaryl	71.6	44.8	45.8			2.39
	Carbofuran	82.5	47.8	51.1			6.63
	Clothianidin	96.2	106	101			4.44
	Dinotefuran	101	128	110			13.5
	Diuron	79.8	72.6	73.4			1.12
	Endothall	113	203	207			1.64

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8321B	Fenuron	102	99.5	96.8			2.77
	Fluridone	108	103	100			2.43
	Glufosinate	76.5	84.2	84.3			0.132
	Glyphosate	82.4	103	99.3			3.62
	Hydrocodone	111	121	111			8.20
	Ibuprofen	69.7	75.3	84.0			10.9
	Imazapyr	119	122	103			15.3
	Imidacloprid	104	155	145			6.73
	Linuron	88.4	86.7	75.5			13.8
	Mandestrobin	93.3	90.8	91.1			0.277
	MCPP	95.3	92.8	89.0			4.15
	Methiocarb	83.6	57.0	61.7			7.93
	Methomyl	99.4	73.1	87.1			17.5
	Naproxen	80.3	76.9	81.0			5.11
	Oxamyl	97.2	74.9	88.7			16.9
	Primidone	105	97.8	93.8			4.18
	Propoxur	78.4	44.5	48.5			8.57
	Pyraclostrobin	82.9	88.5	85.6			3.41
	Silvex	79.7	84.5	80.6			4.72
	Sucralose	101	109	104			4.51
	Thiamethoxam	101	128	124			3.23
	Tolfenpyrad	52.3	58.2	55.9			4.05
	Triclopyr	86.1	84.7	80.3			5.26

Reference Method Descriptions

Method	Description	Associated Samples
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2368925
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2368924
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2368925
EPA 8270E	PCBs in water matrices by GC/MS/MS	2368924
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2368924
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2368922
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2368923

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	11/09/2022	11/09/2022 13:00	Fe-Val Siddell	11/11/2022 22:12	Michael Poppell	2368925
	11/09/2022	11/09/2022 13:00	Fe-Val Siddell	11/12/2022 18:40	Arthur Maknenko	2368925
	11/09/2022	11/10/2022 08:30	Rasheda Ghaffari	11/15/2022 22:25	Vandana T. Nagar	2368924
	11/09/2022	11/10/2022 08:30	Rasheda Ghaffari	11/16/2022 01:27	Julie Wi	2368924
EPA 8276	11/09/2022	11/10/2022 08:30	Rasheda Ghaffari	11/15/2022 11:19	Lipi Saha	2368924
EPA 8321B	11/09/2022	11/10/2022 10:20	Manjita Shrestha	11/10/2022 12:51	Manjita Shrestha	2368923
	11/09/2022	11/10/2022 10:20	Manjita Shrestha	11/10/2022 18:11	Manjita Shrestha	2368923
	11/09/2022	11/14/2022 09:00	June Rhew	11/14/2022 18:31	Juyoung Kim	2368922
	11/09/2022	11/15/2022 09:30	June Rhew	11/15/2022 19:38	Juyoung Kim	2368923