

Chemical Analysis Report

SE-DIST-2023-03-08-02

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

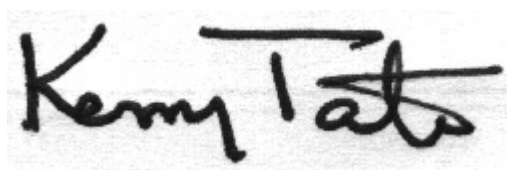
Event Description: **SMP - Broward/Palm B w Trend**
Request ID: **RQ-2023-02-27-40**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Andrew Luering

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

Date Certified: 29-MAR-2023 13:13

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 groups are included in this report: Nutrients and 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: ICWW @ Alsdorf Public Park

Collection Date/Time: 03/07/2023 12:40

Field ID: G4SE0148

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392854	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P426885	
	EPA 180.1 Rev. 2.0	Turbidity	1.3		NTU	P426877	
	EPA 300.0 Rev. 2.1	Chloride	1.7E+04		mg Cl/L	P427504	
		Sulfate	2.4E+03		mg SO4/L	P427506	
	SM 2320 B-2011	Total Alkalinity	126		mg CaCO3/L	P427159	
	SM 2540 C-2015	TDS	3.00E+04		mg/L	P427448	
	SM 2540 D-2015	TSS	4	I	mg/L	P427488	
	SM 4500-F- C-2011	Fluoride	1.2		mg F/L	P427161	
2392855	EPA 350.1 Rev. 2.0	Ammonia-N	0.010		mg N/L	P426948	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.32	I	mg N/L	P427103	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P427231	
	EPA 365.1 Rev. 2.0	Total-P	0.019		mg P/L	P427223	
	SM 5310 B-2011	Organic Carbon	3.2	I	mg C/L	P427058	

Ref. Method and Comment:

EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of analytical difficulties.

Sample Location: ICWW South of Hillsboro Blvd

Collection Date/Time: 03/07/2023 13:20

Field ID: G4SE0147

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392858	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P426885	
	EPA 180.1 Rev. 2.0	Turbidity	3.2		NTU	P426877	
	EPA 300.0 Rev. 2.1	Chloride	1.9E+04		mg Cl/L	P427504	
		Sulfate	2.6E+03		mg SO4/L	P427506	
	SM 2320 B-2011	Total Alkalinity	121		mg CaCO3/L	P427159	
	SM 2540 C-2015	TDS	3.17E+04		mg/L	P427448	
	SM 2540 D-2015	TSS	8	I	mg/L	P427488	
	SM 4500-F- C-2011	Fluoride	1.2		mg F/L	P427161	
2392859	EPA 350.1 Rev. 2.0	Ammonia-N	0.011		mg N/L	P426948	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.34	I	mg N/L	P427103	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.005	I	mg N/L	P427231	
	EPA 365.1 Rev. 2.0	Total-P	0.033		mg P/L	P427223	
	SM 5310 B-2011	Organic Carbon	2.6	I	mg C/L	P427112	
2392870	EPA 8321B	Aldicarb	0.020	U	ug/L	P427008	
		Aldicarb Sulfone	0.0020	U	ug/L	P427008	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P427008	
		Carbaryl	0.0020	U	ug/L	P427008	
		Carbofuran	0.0020	U	ug/L	P427008	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P427008	
		Methiocarb	0.0020	U	ug/L	P427008	
		Methomyl	0.0020	U	ug/L	P427008	
		Oxamyl	0.0020	U	ug/L	P427008	
		Propoxur	0.0020	U	ug/L	P427008	
2392871		Acesulfame K	0.10	U	ug/L	P426712	
		2,4-D	0.0020	U	ug/L	P426940	
		AMPA	10	U	ug/L	P426712	
		2,4,5-T	0.0040	U	ug/L	P426940	
		Acetaminophen	0.0080	U	ug/L	P426940	
		Endothall	0.25	U	ug/L	P426712	
		Acetamiprid	0.0020	U	ug/L	P426940	
		Glufosinate	10	U	ug/L	P426712	
		Glyphosate	10	U	ug/L	P426712	
		Afidopyropen	0.0020	U	ug/L	P426940	
		Sucralose	0.048		ug/L	P426712	
		Bentazon	0.023		ug/L	P426940	
		Benzovindiflupyr	0.0020	U	ug/L	P426940	
		Carbamazepine	8.0E-04	U	ug/L	P426940	
		Clothianidin	0.0020	U	ug/L	P426940	
		Dinotefuran	0.0020	U	ug/L	P426940	
		Diuron	0.0020	U	ug/L	P426940	
		Fenuron	0.032	U	ug/L	P426940	
		Fluridone	0.0040		ug/L	P426940	
		Imazapyr	0.014	I	ug/L	P426940	
Hydrocodone	0.0020	U	ug/L	P426940			

Field ID: G4SE0147

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392871	EPA 8321B	Ibuprofen	0.080	U	ug/L	P426940	
		Imidacloprid	0.0073	I	ug/L	P426940	
		Linuron	0.0040	U	ug/L	P426940	
		Mandestrobin	0.0020	U	ug/L	P426940	
		MCP	0.0020	U	ug/L	P426940	
		Naproxen	0.0080	U	ug/L	P426940	
		Primidone	0.0040	U	ug/L	P426940	
		Pyraclostrobin	0.0020	U	ug/L	P426940	
		Silvex	0.0040	U	ug/L	P426940	
		Thiamethoxam	0.0020	U	ug/L	P426940	
		Tolfenpyrad	0.0020	U	ug/L	P426940	
		Triclopyr	0.0040	U	ug/L	P426940	
2392874	EPA 8270E	Aldrin	0.66	U	ng/L	P427091	
		Alpha-BHC	0.10	U	ng/L	P427091	
		Alpha-Chlordane	0.20	U	ng/L	P427091	
		PCB-1016	2.0	U	ng/L	P427091	
		Beta-BHC	0.10	U	ng/L	P427091	
		PCB-1221	2.0	U	ng/L	P427091	
		Beta-Cyfluthrin	1.3	U	ng/L	P427091	
		PCB-1232	2.0	U	ng/L	P427091	
		Bifenthrin	0.51	U	ng/L	P427091	
		PCB-1242	2.0	U	ng/L	P427091	
		PCB-1248	2.0	U	ng/L	P427091	
		Chlorothalonil	3.6	U	ng/L	P427091	MS
		PCB-1254	2.0	U	ng/L	P427091	
		Cis-Nonachlor	0.20	U	ng/L	P427091	
		PCB-1260	2.0	U	ng/L	P427091	
		Cypermethrin	1.5	U	ng/L	P427091	
		Dacthal	0.15	U	ng/L	P427091	
		DDD-p,p'	0.25	U	ng/L	P427091	
		DDE-p,p'	0.20	U	ng/L	P427091	
		DDT-p,p'	0.25	U	ng/L	P427091	
		Delta-BHC	0.40	U	ng/L	P427091	
		Deltamethrin	1.3	U	ng/L	P427091	
		Dichlobenil	0.25	U	ng/L	P427091	
		Dicofol	1.3	U	ng/L	P427091	
		Dieldrin	0.40	U	ng/L	P427091	
		Endosulfan I	0.40	U	ng/L	P427091	
		Endosulfan II	0.40	U	ng/L	P427091	
		Endosulfan Sulfate	0.30	U	ng/L	P427091	
		Endrin	0.40	U	ng/L	P427091	
		Endrin Aldehyde	0.76	U	ng/L	P427091	
		Endrin Ketone	0.40	U	ng/L	P427091	
		Esfenvalerate	0.76	U	ng/L	P427091	
		Ethalfuralin	0.15	U	ng/L	P427091	

Field ID: G4SE0147

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392874	EPA 8270E	Fenpropathrin	0.25	U	ng/L	P427091	
		Gamma-BHC	0.13	U	ng/L	P427091	
		Gamma-Chlordane	0.20	U	ng/L	P427091	
		Heptachlor	0.20	U	ng/L	P427091	
		Heptachlor Epoxide	0.25	U	ng/L	P427091	
		Hexachlorobenzene**	1.0	U	ng/L	P427091	
		Kepone	5.1	U	ng/L	P427091	
		Lambda-Cyhalothrin	0.76	U	ng/L	P427091	
		Methoprene	0.76	U	ng/L	P427091	
		Methoxychlor	0.30	U	ng/L	P427091	
		MGK-264	0.20	U	ng/L	P427091	MS
		Mirex	0.35	U	ng/L	P427091	
		Oxychlordane	0.30	U	ng/L	P427091	
		Permethrin	1.6	U	ng/L	P427091	
		Phenothrin	0.91	U	ng/L	P427091	
		Piperonyl Butoxide	0.30	I	ng/L	P427091	
		Prallethrin	2.0	U	ng/L	P427091	
		Tau-Fluvalinate	0.25	U	ng/L	P427091	
		Tetramethrin	0.76	U	ng/L	P427091	
		Trans-Nonachlor	0.20	U	ng/L	P427091	
		Triclosan Methyl	0.15	U	ng/L	P427091	
		Trifluralin	0.20	U	ng/L	P427091	
2392875	EPA 8276	Chlordane	2.0	U	ng/L	P427091	
	EPA 8270E	Toxaphene	38	I	ng/L	P427091	
		Oxybenzone**	10	UJ	ng/L	P426915	LCS
		Acetochlor	0.20	U	ng/L	P426915	
		Octinoxate**	20	U	ng/L	P426915	
		Alachlor	0.41	U	ng/L	P426915	
		Avobenzone**	100	U	ng/L	P426915	
		Ametryn	1.1	UJ	ng/L	P426915	LCS
		Atrazine	5.1	J	ng/L	P426915	LCS
		PBDE-47**	4.1	U	ng/L	P426915	
		Atrazine Desethyl	1.3	U	ng/L	P426915	
		PBDE-99**	5.1	U	ng/L	P426915	
		Azinphos Methyl	3.1	U	ng/L	P426915	
		Tri-o-cresyl Phosphate**	6.1	U	ng/L	P426915	
		Azoxystrobin	0.41	UJ	ng/L	P426915	LCS
		Bromacil	0.61	U	ng/L	P426915	
		2-Ethylhexyl	12	U	ng/L	P426915	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.20	U	ng/L	P426915	
		Dechlorane Plus**	31	U	ng/L	P426915	
		Caffeine**	14	I	ng/L	P426915	
		Dechlorane 602**	5.1	U	ng/L	P426915	
		Carbophenothion	0.51	U	ng/L	P426915	MS

Field ID: G4SE0147

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392875	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P426915	
		Carfentrazone Ethyl	0.15	U	ng/L	P426915	MS
		Hexabromobenzene**	6.1	U	ng/L	P426915	
		Chlorfenapyr	0.31	U	ng/L	P426915	
		PBB-153**	8.1	U	ng/L	P426915	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P426915	
		Pentabromotoluene**	3.1	U	ng/L	P426915	
		Chlorpyrifos Methyl	0.10	U	ng/L	P426915	
		Tris(2-chloroethyl) phosphate (TCEP)**	71	UJ	ng/L	P426915	LCS
		Coumaphos	1.1	U	ng/L	P426915	RPD
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	48		ng/L	P426915	MS
		Cyanazine	5.1	U	ng/L	P426915	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.5	U	ng/L	P426915	
		Cyprodinil	0.20	U	ng/L	P426915	
		Tetradecachloro-m-terphenyl**	7.6	U	ng/L	P426915	
		Demeton	3.6	U	ng/L	P426915	
		Diazinon	0.13	U	ng/L	P426915	
		Difenoconazole	0.61	U	ng/L	P426915	MS
		Dimethenamid	0.10	U	ng/L	P426915	
		Dimethomorph	0.31	U	ng/L	P426915	
		Disulfoton	0.61	U	ng/L	P426915	
		Dithiopyr	1.0	U	ng/L	P426915	
		EPTC	0.51	U	ng/L	P426915	
		Ethion	0.31	U	ng/L	P426915	
		Ethoprop	0.13	U	ng/L	P426915	
		Etridiazole	0.10	U	ng/L	P426915	
		Fenamiphos	0.46	U	ng/L	P426915	
		Fenbuconazole	0.51	UJ	ng/L	P426915	LCS
		Fipronil	0.20	U	ng/L	P426915	MS
		Fipronil DesulfinyI**	0.10	I	ng/L	P426915	MS
		Fipronil Sulfide	0.11	I	ng/L	P426915	
		Fipronil Sulfone	0.30	I	ng/L	P426915	
		Fluazifop-P-butyl	0.10	U	ng/L	P426915	
		Fludioxonil	0.10	U	ng/L	P426915	
		Flumioxazin	3.1	U	ng/L	P426915	
		Flutolanil	0.30	I	ng/L	P426915	
		Fluxapyroxad	0.25	U	ng/L	P426915	MS
		Fonofos	0.15	U	ng/L	P426915	
		Hexazinone	0.51	U	ng/L	P426915	
		Imazalil	0.66	U	ng/L	P426915	
		Iprodione	0.51	U	ng/L	P426915	
		Loratadine**	0.31	U	ng/L	P426915	
		Malathion	0.36	U	ng/L	P426915	
		Metalaxyl	0.51	U	ng/L	P426915	

Field ID: G4SE0147

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392875	EPA 8270E	Metolachlor	0.76	U	ng/L	P426915	MS
		Metribuzin	0.41	UJ	ng/L	P426915	LCS, MS, RPD
		Mevinphos	1.0	U	ng/L	P426915	
		Molinate	0.25	U	ng/L	P426915	
		Myclobutanil	0.36	U	ng/L	P426915	
		Naled	2.5	U	ng/L	P426915	
		Napropamide	0.71	U	ng/L	P426915	
		Norflurazon	1.0	U	ng/L	P426915	
		Oxadiazon	0.86	I	ng/L	P426915	
		Oxyfluorfen	0.20	U	ng/L	P426915	
		Parathion Ethyl	0.15	UJ	ng/L	P426915	LCS, MS
		Parathion Methyl	0.20	U	ng/L	P426915	
		Pendimethalin	0.76	U	ng/L	P426915	
		Phenytoin**	5.4	U	ng/L	P426915	
		Phorate	0.25	U	ng/L	P426915	
		Prodiamine	0.20	U	ng/L	P426915	
		Prometon	3.1	U	ng/L	P426915	
		Prometryn	0.36	U	ng/L	P426915	
		Pronamide	0.10	U	ng/L	P426915	
		Propanil	0.10	U	ng/L	P426915	
		Propargite	0.81	U	ng/L	P426915	
		Propiconazole	0.75	I	ng/L	P426915	
		Pyraflufen Ethyl	0.31	U	ng/L	P426915	
		Pyridaben	1.4	U	ng/L	P426915	
		Pyriproxyfen	0.25	U	ng/L	P426915	MS
		Simazine	0.25	UJ	ng/L	P426915	LCS
		Stirophos	0.41	U	ng/L	P426915	
		Sulfentrazone	4.1	I	ng/L	P426915	
		Tebuconazole	1.4	U	ng/L	P426915	
		Terbufos	0.20	U	ng/L	P426915	MS
		Terbuthylazine	0.20	UJ	ng/L	P426915	LCS
		Thiobencarb	0.51	U	ng/L	P426915	
		Triadimefon	0.15	U	ng/L	P426915	

Ref. Method and Comment:

EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of analytical difficulties.

EPA 8321B: Some MDLs are elevated due to required dilution of sample matrix.

EPA 8270E: MS precision for chlorothalonil not assessed due to no recoveries.

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

EPA 8270E: MS accuracy for multiple parameters not assessed due to high content of these parameters in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: E-4 @ Clint Moore

Collection Date/Time: 03/07/2023 14:15

Field ID: G3SE0019

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392856	DEP SOP: NU-094-1	Color (true)	77		PCU	P426885	
	EPA 180.1 Rev. 2.0	Turbidity	3.0		NTU	P426877	
	EPA 300.0 Rev. 2.1	Chloride	37		mg Cl/L	P427504	
		Sulfate	8.1		mg SO4/L	P427506	
	SM 2320 B-2011	Total Alkalinity	167		mg CaCO3/L	P427114	
	SM 2540 C-2015	TDS	271		mg/L	P427448	
	SM 2540 D-2015	TSS	6	I	mg/L	P427486	
	SM 4500-F- C-2011	Fluoride	0.13		mg F/L	P427294	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.10		mg N/L	P426949	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.2		mg N/L	P427158	
2392857	EPA 353.2 Rev. 2.0	NO2NO3-N	0.067		mg N/L	P427125	
	EPA 365.1 Rev. 2.0	Total-P	0.14		mg P/L	P427221	
	SM 5310 B-2011	Organic Carbon	14		mg C/L	P427111	

Sample Location: Lake Melva south of Fire Station

Collection Date/Time: 03/07/2023 12:00

Field ID: G4SE0156

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2392852	DEP SOP: NU-094-1	Color (true)	4.9	I	PCU	P426885	
	EPA 180.1 Rev. 2.0	Turbidity	1.8		NTU	P426877	
	EPA 300.0 Rev. 2.1	Chloride	39		mg Cl/L	P427504	
		Sulfate	2.7		mg SO4/L	P427506	
	SM 2320 B-2011	Total Alkalinity	114		mg CaCO3/L	P427035	
	SM 2540 C-2015	TDS	178		mg/L	P427448	
	SM 2540 D-2015	TSS	3	I	mg/L	P427486	
	SM 4500-F- C-2011	Fluoride	0.24		mg F/L	P427294	
2392853	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P426949	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.46		mg N/L	P427158	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P427125	
	EPA 365.1 Rev. 2.0	Total-P	0.022		mg P/L	P427065	
	SM 5310 B-2011	Organic Carbon	4.9		mg C/L	P427111	

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P426885

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P426877

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427504

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427506

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426948

Component	Result	Code	Units
Ammonia-N	0.002	U	mg N/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426949

Component	Result	Code	Units
Ammonia-N	0.002	U	mg N/L

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427103

Component	Result	Code	Units
Kjeldahl Nitrogen	0.080	U	mg N/L

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427158

Component	Result	Code	Units
Kjeldahl Nitrogen	0.080	U	mg N/L

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427125

Component	Result	Code	Units
NO2NO3-N	0.004	U	mg N/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427231

Component	Result	Code	Units
NO2NO3-N	0.004	U	mg N/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427065

Component	Result	Code	Units
Total-P	0.002	U	mg P/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427221

Component	Result	Code	Units
Total-P	0.002	U	mg P/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427223

Component	Result	Code	Units
Total-P	0.002	U	mg P/L

Reference Method: EPA 8270E
Batch ID: P426915

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	0.20	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.20	U	ng/L
Butylate	0.20	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P426915

Component	Result	Code	Units
Chlorfenapyr	0.30	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P426915

Component	Result	Code	Units
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Ethyl	0.15	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P426915

Component	Result	Code	Units
Parathion Methyl	0.20	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	8.0	U	ng/L
PBB-153	8.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytol	5.3	U	ng/L
Phenytol	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiatone	0.20	U	ng/L
Prodiatone	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
Pronatone	0.10	U	ng/L
Pronatone	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbufos	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Thiobencarb	0.50	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P426915

Component	Result	Code	Units
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L

Reference Method: EPA 8270E

Batch ID: P427091

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	3.6	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.25	U	ng/L
DDT-p,p'	0.25	U	ng/L
Delta-BHC	0.40	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P427091

Component	Result	Code	Units
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
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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P427091

Component	Result	Code	Units
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: P427091

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: P426712

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

Reference Method: EPA 8321B

Batch ID: P426940

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B

Batch ID: P426940

Component	Result	Code	Units
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.080	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
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: P427008

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: SM 2320 B-2011

Batch ID: P427035

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Reference Method: SM 2320 B-2011

Batch ID: P427114

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Quality Assurance Report Method Blank Results

Reference Method: SM 2320 B-2011
Batch ID: P427159

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO ₃ /L

Reference Method: SM 2540 C-2015
Batch ID: P427448

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P427486

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P427488

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P427161

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 4500-F- C-2011
Batch ID: P427294

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P427058

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Reference Method: SM 5310 B-2011
Batch ID: P427111

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Reference Method: SM 5310 B-2011
Batch ID: P427112

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P426885

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.9		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P426877

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427504

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	99.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427506

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	99.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426948

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	96.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426949

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	100		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427103

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	99.9		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427158

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	104		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427125

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	102		P	90 - 110

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P427231

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	104		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P427065

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	99.8		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P427221

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	101		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P427223

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	103		P	90 - 110

Reference Method: EPA 8270E

Batch ID: P426915

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	69.9		P	42 - 162
Acetochlor	76.4		P	69 - 123
Alachlor	94.4		P	65 - 118
Ametryn	271		F	58 - 141
Atrazine	57.4		F	73 - 118
Atrazine Desethyl	85.1		P	32 - 125
Avobenzone	81.0		P	40 - 203
Azinphos Methyl	56.9		P	36 - 197
Azoxystrobin	47.2		F	58 - 226
Bromacil	100		P	48 - 120
Butylate	48.7		P	27 - 85.0
Caffeine	96.1		P	40 - 137
Carbophenothion	69.5		P	54 - 132
Carfentrazone Ethyl	81.4		P	60 - 142
Chlorfenapyr	53.6		P	53 - 117
Chlorpyrifos Ethyl	100		P	59 - 116
Chlorpyrifos Methyl	90.4		P	66 - 119
Coumaphos	109		P	11 - 234
Cyanazine	174		P	61 - 248
Cyprodinil	92.2		P	50 - 147
Dechlorane 602	85.1		P	50 - 150
Dechlorane 603	86.6		P	50 - 150
Dechlorane Plus	86.6		P	47 - 182
Demeton	49.5		P	30 - 138
Diazinon	74.0		P	67 - 126
Difenoconazole	76.1		P	38 - 205
Dimethenamid	84.3		P	57 - 111
Dimethomorph	78.8		P	16 - 212

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P426915

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Disulfoton	56.9		P	46 - 126
Dithiopyr	90.1		P	62 - 115
EPTC	38.6		P	28 - 80.0
Ethion	46.4		P	24 - 122
Ethoprop	77.0		P	62 - 113
Etridiazole	56.1		P	28 - 92.0
Fenamiphos	69.1		P	57 - 128
Fenbuconazole	24.8		F	52 - 155
Fipronil	70.2		P	63 - 130
Fipronil Desulfinyl	63.0		P	61 - 130
Fipronil Sulfide	63.1		P	56 - 117
Fipronil Sulfone	77.4		P	52 - 118
Fluazifop-P-butyl	62.6		P	61 - 128
Fludioxonil	67.1		P	59 - 129
Flumioxazin	112		P	30 - 250
Flutolanil	81.6		P	53 - 127
Fluxapyroxad	102		P	42 - 132
Fonofos	82.3		P	61 - 110
Hexabromobenzene	123		P	50 - 150
Hexazinone	58.7		P	46 - 139
Imazalil	46.8		P	40 - 139
Iprodione	110		P	40 - 146
Loratadine	103		P	10 - 224
Malathion	70.2		P	61 - 135
Metalaxyl	67.7		P	58 - 121
Metolachlor	87.3		P	64 - 118
Metribuzin	33.3		F	45 - 245
Mevinphos	52.1		P	49 - 118
Molinate	47.4		P	42 - 92.0
Myclobutanil	99.2		P	55 - 127
Naled	34.5		P	10 - 114
Napropamide	66.0		P	39 - 121
Norflurazon	55.1		P	55 - 129
Octinoxate	124		P	26 - 166
Oxadiazon	60.1		P	54 - 115
Oxybenzone	150		F	49 - 135
Oxyfluorfen	108		P	64 - 139
Parathion Ethyl	43.2		F	70 - 111
Parathion Methyl	78.9		P	76 - 136
PBB-153	76.9		P	50 - 150
PBDE-47	116		P	41 - 148
PBDE-99	61.6		P	38 - 147
Pendimethalin	115		P	52 - 118
Pentabromotoluene	131		P	50 - 150
Phenytoin	74.0		P	10 - 162
Phorate	62.0		P	40 - 122
Prodiamine	103		P	26 - 141
Prometon	71.7		P	54 - 122
Prometryn	105		P	61 - 128
Pronamide	72.8		P	72 - 121
Propanil	72.3		P	45 - 144
Propargite	29.3		P	10 - 199

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P426915

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Propiconazole	93.6		P	56 - 127
Pyraflufen Ethyl	56.5		P	56 - 140
Pyridaben	84.1		P	26 - 211
Pyriproxyfen	34.0		P	33 - 194
Simazine	50.7		F	67 - 121
Stirophos	54.7		P	20 - 142
Sulfentrazone	110		P	21 - 144
Tebuconazole	49.6		P	10 - 122
Terbufos	63.5		P	60 - 129
Terbuthylazine	67.5		F	69 - 113
Tetradecachloro-m-terphenyl	112		P	70 - 200
Thiobencarb	82.7		P	51 - 120
Tri-o-cresyl Phosphate	137		P	49 - 150
Triadimefon	69.3		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	134		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	123		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	205		F	70 - 180

Reference Method: EPA 8270E

Batch ID: P427091

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	29.8		P	10 - 92.0
Alpha-BHC	85.0		P	75 - 107
Alpha-Chlordane	50.9		P	50 - 108
Beta-BHC	89.4		P	36 - 138
Beta-Cyfluthrin	31.5		P	20 - 161
Bifenthrin	21.3		P	10 - 119
Chlorothalonil	65.1		P	26 - 186
Cis-Nonachlor	46.3		P	42 - 119
Cypermethrin	37.6		P	22 - 150
Dacthal	77.6		P	72 - 119
DDD-p,p'	57.2		P	45 - 107
DDE-p,p'	49.8		P	48 - 106
DDT-p,p'	54.0		P	48 - 110
Delta-BHC	88.7		P	54 - 140
Deltamethrin	37.8		P	22 - 189
Dichlobenil	61.1		P	36 - 117
Dicofol	56.6		P	46 - 155
Dieldrin	63.8		P	54 - 110
Endosulfan I	64.6		P	59 - 105
Endosulfan II	83.5		P	51 - 118
Endosulfan Sulfate	79.2		P	57 - 121
Endrin	67.6		P	10 - 120
Endrin Aldehyde	68.4		P	34 - 118
Endrin Ketone	77.0		P	69 - 177
Esfenvalerate	34.0		P	23 - 168
Ethalfuralin	53.3		P	49 - 99.0
Fenpropathrin	36.2		P	34 - 117
Gamma-BHC	78.8		P	72 - 117
Gamma-Chlordane	45.2		P	43 - 106
Heptachlor	41.2		P	41 - 98.0

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P427091

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Heptachlor Epoxide	63.0		P	57 - 106
Hexachlorobenzene	36.9		P	36 - 99.0
Kepone	108		P	16 - 215
Lambda-Cyhalothrin	22.7		P	21 - 177
Methoprene	31.4		P	10 - 119
Methoxychlor	64.7		P	60 - 112
MGK-264	80.2		P	26 - 122
Mirex	22.1		P	10 - 169
Oxychlordane	53.7		P	43 - 105
PCB-1016	72.5		P	48 - 112
PCB-1260	71.1		P	44 - 118
Permethrin	33.3		P	24 - 148
Phenothrin	24.2		P	10 - 106
Piperonyl Butoxide	86.4		P	10 - 139
Prallethrin	62.8		P	17 - 109
Tau-Fluvalinate	25.1		P	13 - 131
Tetramethrin	69.4		P	10 - 132
Trans-Nonachlor	47.1		P	44 - 106
Triclosan Methyl	65.2		P	59 - 109
Trifluralin	50.2		P	44 - 101

Reference Method: EPA 8276

Batch ID: P427091

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	77.4		P	61 - 116
Toxaphene	83.4		P	48 - 124

Reference Method: EPA 8321B

Batch ID: P426712

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	115		P	40 - 150
AMPA	113		P	40 - 150
Endothall	113		P	40 - 150
Glufosinate	116		P	40 - 150
Glyphosate	101		P	40 - 150
Sucralose	99.4		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P426940

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	100		P	40 - 150
2,4,5-T	93.0		P	40 - 150
Acetaminophen	98.5		P	30 - 150
Acetamiprid	74.1		P	40 - 150
Afidopyropen	49.0		P	30 - 150
Bentazon	97.6		P	30 - 150
Benzovindiflupyr	84.2		P	40 - 150
Carbamazepine	84.4		P	40 - 150
Clothianidin	95.4		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P426940

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dinotefuran	95.3		P	40 - 150
Diuron	80.9		P	40 - 150
Fenuron	89.6		P	40 - 150
Fluridone	84.4		P	40 - 150
Hydrocodone	90.0		P	40 - 150
Ibuprofen	85.2		P	40 - 150
Imazapyr	91.0		P	40 - 150
Imidacloprid	82.7		P	40 - 150
Linuron	82.4		P	40 - 150
Mandestrobin	94.8		P	40 - 150
MCPP	97.5		P	40 - 150
Naproxen	93.0		P	40 - 150
Primidone	102		P	40 - 150
Pyraclostrobin	83.1		P	40 - 150
Silvex	96.6		P	40 - 150
Thiamethoxam	81.4		P	40 - 150
Tolfenpyrad	61.2		P	30 - 150
Triclopyr	96.1		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P427008

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	59.9		P	40 - 150
Aldicarb	60.3		P	30 - 150
Aldicarb Sulfone	86.5		P	40 - 150
Aldicarb Sulfoxide	117		P	40 - 150
Carbaryl	69.4		P	40 - 150
Carbofuran	78.4		P	40 - 150
Methiocarb	66.8		P	40 - 150
Methomyl	89.0		P	40 - 150
Oxamyl	89.5		P	40 - 150
Propoxur	65.4		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P427035

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	95.1		P	94 - 106

Reference Method: SM 2320 B-2011
Batch ID: P427114

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.4		P	94 - 106

Reference Method: SM 2320 B-2011
Batch ID: P427159

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.7		P	94 - 106

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P427448

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	97.4		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P427486

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	102		P	85 - 106

Reference Method: SM 2540 D-2015
Batch ID: P427488

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	97.4		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P427161

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.8		P	96 - 104

Reference Method: SM 4500-F- C-2011
Batch ID: P427294

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.7		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P427058

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.4		P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P427111

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.4		P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P427112

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.8		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427504

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392734	Chloride	99.4		P	90 - 110
2392735	Chloride	98.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427506

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392734	Sulfate	98.5		P	90 - 110
2392735	Sulfate	95.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426948

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392798	Ammonia-N	108	108	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426949

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392846	Ammonia-N	97.2	97.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427158

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393191	Kjeldahl Nitrogen	105	97.7	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427125

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392736	NO2NO3-N	90.5		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427231

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392797	NO2NO3-N	104	104	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427065

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392791	Total-P	92.8	94.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427221

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392892	Total-P	101	101	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P427223

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392855	Total-P	96.6	96.0	P/P	90 - 110

Reference Method: EPA 8270E

Batch ID: P426915

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393506	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	121	119	P/P	26 - 165
2393506	Acetochlor	69.1	87.3	P/P	67 - 124
2393506	Alachlor	97.2	75.9	P/P	60 - 120
2393506	Avobenzone	154	160	P/P	37 - 178
2393506	Azinphos Methyl	56.4	74.6	P/P	40 - 292
2393506	Azoxystrobin	63.5	52.0	P/P	35 - 220
2393506	Bromacil	81.3	109	P/P	45 - 127
2393506	Butylate	38.8	29.9	P/P	20 - 83.0
2393506	Caffeine	90.3	87.6	P/P	10 - 194
2393506	Carbophenothion	51.5	42.7	F/F	57 - 127
2393506	Carfentrazone Ethyl	61.2	50.8	P/F	51 - 141
2393506	Chlorfenapyr	61.3	62.8	P/P	46 - 111
2393506	Chlorpyrifos Ethyl	73.0	70.6	P/P	52 - 120
2393506	Chlorpyrifos Methyl	63.5	69.3	P/P	63 - 119
2393506	Coumaphos	86.9	165	P/P	10 - 228
2393506	Cyanazine	201	147	P/P	59 - 241
2393506	Cyprodinil	106	107	P/P	47 - 146
2393506	Dechlorane 602	55.2	58.9	P/P	50 - 150
2393506	Dechlorane 603	54.4	58.4	P/P	50 - 150
2393506	Dechlorane Plus	121	113	P/P	50 - 150
2393506	Demeton	48.5	49.0	P/P	40 - 136
2393506	Diazinon	76.5	99.9	P/P	69 - 132
2393506	Difenoconazole	58.5	45.3	P/F	57 - 258
2393506	Dimethenamid	73.2	67.6	P/P	54 - 110
2393506	Dimethomorph	70.6	43.4	P/P	28 - 210
2393506	Disulfoton	59.1	66.3	P/P	43 - 133
2393506	Dithiopyr	79.8	66.6	P/P	39 - 116
2393506	EPTC	37.2	30.1	P/P	20 - 78.0
2393506	Ethion	48.3	66.7	P/P	17 - 119
2393506	Ethoprop	78.5	77.5	P/P	66 - 120
2393506	Etridiazole	41.8	32.5	P/P	28 - 96.0
2393506	Fenamiphos	95.3	87.9	P/P	41 - 126
2393506	Fenbuconazole	73.4	118	P/P	42 - 169
2393506	Fipronil	56.3	64.0	F/P	61 - 132
2393506	Fipronil Desulfinyl	64.6	48.3	P/F	56 - 132
2393506	Fipronil Sulfide	48.4	57.2	P/P	48 - 119
2393506	Fipronil Sulfone	76.6	67.9	P/P	42 - 131
2393506	Fluazifop-P-butyl	74.3	81.0	P/P	53 - 131
2393506	Fludioxonil	79.5	95.1	P/P	56 - 127
2393506	Flumioxazin	185	176	P/P	19 - 300
2393506	Flutolanil	91.7	78.9	P/P	41 - 127
2393506	Fluxapyroxad	49.1	29.8	P/F	42 - 172
2393506	Fonofos	84.6	95.2	P/P	59 - 113
2393506	Hexabromobenzene	138	124	P/P	50 - 150
2393506	Imazalil	53.0	45.3	P/P	21 - 283
2393506	Iprodione	52.7	53.7	P/P	43 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P426915

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393506	Loratadine	95.8	102	P/P	23 - 201
2393506	Malathion	76.3	65.4	P/P	58 - 136
2393506	Metalaxyl	64.1	76.0	P/P	55 - 120
2393506	Metolachlor	69.8	52.5	P/F	57 - 121
2393506	Metribuzin	-25.3	61.1	F/P	58 - 294
2393506	Mevinphos	62.6	63.5	P/P	50 - 126
2393506	Molinate	46.0	51.6	P/P	42 - 93.0
2393506	Myclobutanil	92.8	83.7	P/P	55 - 125
2393506	Naled	42.0	53.8	P/P	18 - 200
2393506	Napropamide	64.6	52.2	P/P	39 - 110
2393506	Norflurazon	54.1	58.0	P/P	48 - 128
2393506	Octinoxate	132	122	P/P	21 - 159
2393506	Oxadiazon	63.8	73.8	P/P	43 - 112
2393506	Oxybenzone	136	128	P/P	41 - 142
2393506	Oxyfluorfen	96.2	83.2	P/P	64 - 153
2393506	Parathion Ethyl	63.3	71.0	F/P	69 - 114
2393506	Parathion Methyl	81.2	108	P/P	79 - 139
2393506	PBB-153	108	88.9	P/P	50 - 150
2393506	PBDE-47	127	121	P/P	27 - 144
2393506	PBDE-99	109	109	P/P	18 - 150
2393506	Pendimethalin	103	99.7	P/P	50 - 139
2393506	Pentabromotoluene	129	124	P/P	50 - 150
2393506	Phenytoin	67.4	62.1	P/P	10 - 146
2393506	Phorate	55.6	74.6	P/P	54 - 161
2393506	Prodiamine	69.6	64.0	P/P	30 - 161
2393506	Prometon	114	95.4	P/P	45 - 134
2393506	Prometryn	104	86.4	P/P	45 - 137
2393506	Pronamide	95.4	79.6	P/P	65 - 133
2393506	Propanil	55.4	51.8	P/P	49 - 142
2393506	Propargite	39.4	44.3	P/P	10 - 203
2393506	Propiconazole	58.8	45.9	P/P	38 - 146
2393506	Pyraflufen Ethyl	58.4	59.6	P/P	34 - 153
2393506	Pyridaben	108	138	P/P	12 - 192
2393506	Pyriproxyfen	38.1	31.6	P/F	33 - 180
2393506	Simazine	68.4	103	P/P	51 - 157
2393506	Stirophos	63.7	71.8	P/P	10 - 128
2393506	Sulfentrazone	88.7	98.4	P/P	53 - 186
2393506	Tebuconazole	62.3	69.8	P/P	10 - 133
2393506	Terbufos	64.8	72.4	F/P	65 - 139
2393506	Terbutylazine	88.5	99.1	P/P	66 - 117
2393506	Tetradecachloro-m-terphenyl	103	96.7	P/P	70 - 200
2393506	Thiobencarb	69.4	63.3	P/P	51 - 119
2393506	Tri-o-cresyl Phosphate	133	121	P/P	31 - 144
2393506	Triadimefon	68.8	58.0	P/P	48 - 119
2393506	Tris(1-chloro-2-propyl) phosphate (TCPP)	151	152	F/F	50 - 150
2393506	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	114	104	P/P	50 - 150
2393506	Tris(2-chloroethyl) phosphate (TCEP)	151	154	P/P	70 - 180

Reference Method: EPA 8270E
Batch ID: P427091

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

Reference Method: EPA 8270E

Batch ID: P427091

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392882	Aldrin	40.3	36.1	P/P	20 - 82.0
2392882	Alpha-BHC	80.4	71.5	P/P	71 - 109
2392882	Alpha-Chlordane	63.0	57.0	P/P	42 - 106
2392882	Beta-BHC	92.5	84.0	P/P	69 - 180
2392882	Beta-Cyfluthrin	69.4	54.2	P/P	18 - 175
2392882	Bifenthrin	58.0	44.1	P/P	21 - 128
2392882	Chlorothalonil	0.0	0.0	F/F	10 - 300
2392882	Cis-Nonachlor	56.6	49.2	P/P	34 - 106
2392882	Cypermethrin	68.3	54.6	P/P	22 - 158
2392882	Dacthal	82.6	76.9	P/P	54 - 116
2392882	DDD-p,p'	62.1	54.6	P/P	34 - 107
2392882	DDE-p,p'	62.1	54.6	P/P	33 - 110
2392882	DDT-p,p'	62.7	51.2	P/P	50 - 122
2392882	Delta-BHC	90.9	84.8	P/P	77 - 193
2392882	Deltamethrin	75.3	59.9	P/P	10 - 195
2392882	Dichlobenil	57.9	55.7	P/P	25 - 113
2392882	Dicofol	58.7	54.3	P/P	38 - 247
2392882	Dieldrin	66.2	59.7	P/P	45 - 118
2392882	Endosulfan I	66.2	59.2	P/P	51 - 106
2392882	Endosulfan II	71.4	71.8	P/P	37 - 122
2392882	Endosulfan Sulfate	72.0	60.3	P/P	43 - 132
2392882	Endrin	67.2	61.2	P/P	29 - 101
2392882	Endrin Aldehyde	64.7	55.4	P/P	19 - 110
2392882	Endrin Ketone	67.2	60.7	P/P	60 - 140
2392882	Esfenvalerate	68.2	52.5	P/P	26 - 199
2392882	Ethalfuralin	64.3	56.1	P/P	45 - 99.0
2392882	Fenpropathrin	66.2	53.4	P/P	35 - 120
2392882	Gamma-BHC	80.2	74.3	P/P	63 - 128
2392882	Gamma-Chlordane	59.9	51.6	P/P	40 - 104
2392882	Heptachlor	52.4	46.1	P/P	36 - 97.0
2392882	Heptachlor Epoxide	66.8	64.4	P/P	49 - 184
2392882	Hexachlorobenzene	51.5	43.6	P/P	39 - 96.0
2392882	Kepone	99.7	101	P/P	10 - 217
2392882	Lambda-Cyhalothrin	60.5	46.4	P/P	21 - 193
2392882	Methoprene	56.8	48.4	P/P	20 - 106
2392882	Methoxychlor	66.7	62.3	P/P	53 - 118
2392882	MGK-264	25.0	29.2	F/F	40 - 118
2392882	Mirex	50.7	36.9	P/P	26 - 92.0
2392882	Oxychlordane	66.3	54.4	P/P	44 - 99.0
2392882	Permethrin	64.3	50.2	P/P	33 - 182
2392882	Phenothrin	62.4	52.3	P/P	10 - 129
2392882	Piperonyl Butoxide	77.0	70.9	P/P	10 - 211
2392882	Prallethrin	63.3	59.1	P/P	24 - 113
2392882	Tau-Fluvalinate	63.0	46.0	P/P	14 - 149
2392882	Tetramethrin	82.1	79.4	P/P	17 - 151
2392882	Trans-Nonachlor	57.4	51.6	P/P	42 - 102
2392882	Triclosan Methyl	70.1	63.0	P/P	48 - 108
2392882	Trifluralin	66.1	54.3	P/P	47 - 96.0
2393385	PCB-1016	70.0	72.2	P/P	46 - 111
2393385	PCB-1260	72.8	73.1	P/P	45 - 114

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8276

Batch ID: P427091

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393385	Chlordane	73.3	69.3	P/P	53 - 126
2393385	Toxaphene	78.2	71.6	P/P	56 - 211

Reference Method: EPA 8321B

Batch ID: P426712

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2391619	Acesulfame K	84.2	95.0	P/P	40 - 150
2391619	AMPA	64.5	73.0	P/P	40 - 150
2391619	Endothall	128	130	P/P	40 - 150
2391619	Glufosinate	99.8	97.0	P/P	40 - 150
2391619	Glyphosate	78.9	92.0	P/P	40 - 150
2391619	Sucralose	45.3	48.8	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P426940

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392817	2,4-D	102	112	P/P	40 - 150
2392817	2,4,5-T	78.4	92.3	P/P	40 - 150
2392817	Acetaminophen	88.8	97.9	P/P	30 - 150
2392817	Acetamiprid	85.0	95.4	P/P	40 - 150
2392817	Afidopyropen	74.1	103	P/P	30 - 150
2392817	Bentazon	97.7	102	P/P	30 - 150
2392817	Benzovindiflupyr	72.6	81.0	P/P	40 - 150
2392817	Carbamazepine	78.3	91.5	P/P	40 - 150
2392817	Clothianidin	95.9	96.1	P/P	40 - 150
2392817	Dinotefuran	97.7	104	P/P	40 - 150
2392817	Diuron	65.4	70.2	P/P	40 - 150
2392817	Fenuron	69.9	77.0	P/P	40 - 150
2392817	Fluridone	80.7	78.9	P/P	40 - 150
2392817	Hydrocodone	83.4	95.2	P/P	40 - 150
2392817	Ibuprofen	79.7	78.5	P/P	40 - 150
2392817	Imazapyr	80.1	96.7	P/P	40 - 150
2392817	Imidacloprid	102	105	P/P	40 - 150
2392817	Linuron	57.7	75.1	P/P	40 - 150
2392817	Mandestrobin	78.2	93.3	P/P	40 - 150
2392817	MCPP	89.7	102	P/P	40 - 150
2392817	Naproxen	92.1	90.0	P/P	40 - 150
2392817	Primidone	87.3	91.5	P/P	40 - 150
2392817	Pyraclostrobin	70.4	79.5	P/P	40 - 150
2392817	Silvex	91.7	107	P/P	40 - 150
2392817	Thiamethoxam	89.4	99.4	P/P	40 - 150
2392817	Tolfenpyrad	41.7	53.7	P/P	30 - 150
2392817	Triclopyr	93.8	100	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P427008

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392870	3-Hydroxycarbofuran	103	118	P/P	40 - 150
2392870	Aldicarb	50.4	67.9	P/P	30 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P427008

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392870	Aldicarb Sulfone	102	109	P/P	40 - 150
2392870	Aldicarb Sulfoxide	68.6	71.1	P/P	40 - 150
2392870	Carbaryl	65.0	72.8	P/P	40 - 150
2392870	Carbofuran	76.3	82.5	P/P	40 - 150
2392870	Methiocarb	76.5	68.6	P/P	40 - 150
2392870	Methomyl	90.3	95.6	P/P	40 - 150
2392870	Oxamyl	101	107	P/P	40 - 150
2392870	Propoxur	60.4	62.3	P/P	40 - 150

Reference Method: SM 4500-F- C-2011

Batch ID: P427161

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392807	Fluoride	98.2	99.5	P/P	94 - 104

Reference Method: SM 4500-F- C-2011

Batch ID: P427294

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393167	Fluoride	98.5	99.3	P/P	94 - 104

Reference Method: SM 5310 B-2011

Batch ID: P427058

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392855	Organic Carbon	90.1	87.1	P/P	85 - 115

Reference Method: SM 5310 B-2011

Batch ID: P427111

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393017	Organic Carbon	95.4	98.0	P/P	85 - 115

Reference Method: SM 5310 B-2011

Batch ID: P427112

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2392791	Organic Carbon	93.2	94.7	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P426885

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392807	Color (true)	0.850	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P426877

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392733	Turbidity	0.247	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427504

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392734	Chloride	0.499	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427506

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392734	Sulfate	0.920	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426948

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392798	Ammonia-N	0.0	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426949

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392846	Ammonia-N	0.0	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427103

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392808	Kjeldahl Nitrogen	3.13	Sample	P	0 - 15

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427158

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393191	Kjeldahl Nitrogen	4.38	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427125

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392736	NO2NO3-N	0.195	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427231

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392797	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427065

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392791	Total-P	2.05	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427221

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392892	Total-P	0.759	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427223

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392855	Total-P	0.597	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P426915

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393506	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	1.06	Spike	P	0 - 37
2393506	Acetochlor	23.3	Spike	P	0 - 28
2393506	Alachlor	24.6	Spike	P	0 - 30
2393506	Ametryn	23.1	Spike	P	0 - 32
2393506	Atrazine	18.7	Spike	P	0 - 41
2393506	Atrazine Desethyl	6.29	Spike	P	0 - 36
2393506	Avobenzone	3.93	Spike	P	0 - 36
2393506	Azinphos Methyl	27.8	Spike	P	0 - 75
2393506	Azoxystrobin	17.0	Spike	P	0 - 39
2393506	Bromacil	26.3	Spike	P	0 - 33
2393506	Butylate	25.8	Spike	P	0 - 44
2393506	Caffeine	2.99	Spike	P	0 - 74
2393506	Carbophenothion	18.6	Spike	P	0 - 25
2393506	Carfentrazone Ethyl	18.7	Spike	P	0 - 27
2393506	Chlorfenapyr	2.43	Spike	P	0 - 24
2393506	Chlorpyrifos Ethyl	3.29	Spike	P	0 - 26

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P426915

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393506	Chlorpyrifos Methyl	8.68	Spike	P	0 - 26
2393506	Coumaphos	62.1	Spike	F	0 - 28
2393506	Cyanazine	30.7	Spike	P	0 - 48
2393506	Cyprodinil	0.600	Spike	P	0 - 29
2393506	Dechlorane 602	6.61	Spike	P	0 - 30
2393506	Dechlorane 603	7.04	Spike	P	0 - 30
2393506	Dechlorane Plus	6.64	Spike	P	0 - 30
2393506	Demeton	1.00	Spike	P	0 - 33
2393506	Diazinon	26.5	Spike	P	0 - 29
2393506	Difenoconazole	25.4	Spike	P	0 - 34
2393506	Dimethenamid	7.87	Spike	P	0 - 39
2393506	Dimethomorph	47.8	Spike	P	0 - 51
2393506	Disulfoton	11.5	Spike	P	0 - 30
2393506	Dithiopyr	17.9	Spike	P	0 - 26
2393506	EPTC	21.2	Spike	P	0 - 43
2393506	Ethion	31.9	Spike	P	0 - 79
2393506	Ethoprop	1.22	Spike	P	0 - 29
2393506	Etridiazole	25.1	Spike	P	0 - 33
2393506	Fenamiphos	8.16	Spike	P	0 - 40
2393506	Fenbuconazole	46.5	Spike	P	0 - 74
2393506	Fipronil	12.8	Spike	P	0 - 29
2393506	Fipronil Desulfinyf	28.8	Spike	P	0 - 32
2393506	Fipronil Sulfide	16.7	Spike	P	0 - 30
2393506	Fipronil Sulfone	12.0	Spike	P	0 - 33
2393506	Fluazifop-P-butyl	8.62	Spike	P	0 - 38
2393506	Fludioxonil	17.9	Spike	P	0 - 29
2393506	Flumioxazin	5.04	Spike	P	0 - 51
2393506	Flutolanil	15.1	Spike	P	0 - 25
2393506	Fluxapyroxad	37.8	Spike	P	0 - 45
2393506	Fonofos	11.8	Spike	P	0 - 27
2393506	Hexabromobenzene	10.2	Spike	P	0 - 30
2393506	Hexazinone	0.562	Spike	P	0 - 30
2393506	Imazalil	15.6	Spike	P	0 - 100
2393506	Iprodione	1.86	Spike	P	0 - 33
2393506	Loratadine	6.27	Spike	P	0 - 56
2393506	Malathion	13.5	Spike	P	0 - 37
2393506	Metalaxyl	12.2	Spike	P	0 - 40
2393506	Metolachlor	12.9	Spike	P	0 - 29
2393506	Metribuzin	166	Spike	F	0 - 45
2393506	Mevinphos	1.47	Spike	P	0 - 29
2393506	Molinate	11.6	Spike	P	0 - 33
2393506	Myclobutanil	10.3	Spike	P	0 - 26
2393506	Naled	24.7	Spike	P	0 - 37
2393506	Napropamide	21.2	Spike	P	0 - 44
2393506	Norflurazon	6.93	Spike	P	0 - 30
2393506	Octinoxate	8.05	Spike	P	0 - 45
2393506	Oxadiazon	14.5	Spike	P	0 - 28
2393506	Oxybenzone	6.37	Spike	P	0 - 46
2393506	Oxyfluorfen	14.5	Spike	P	0 - 28
2393506	Parathion Ethyl	11.5	Spike	P	0 - 31
2393506	Parathion Methyl	28.6	Spike	P	0 - 29

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P426915

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393506	PBB-153	19.5	Spike	P	0 - 30
2393506	PBDE-47	5.26	Spike	P	0 - 36
2393506	PBDE-99	0.152	Spike	P	0 - 40
2393506	Pendimethalin	3.08	Spike	P	0 - 33
2393506	Pentabromotoluene	3.42	Spike	P	0 - 30
2393506	Phenytoin	8.23	Spike	P	0 - 100
2393506	Phorate	29.1	Spike	P	0 - 36
2393506	Prodiamine	8.45	Spike	P	0 - 71
2393506	Prometon	17.8	Spike	P	0 - 36
2393506	Prometryn	18.9	Spike	P	0 - 28
2393506	Pronamide	18.1	Spike	P	0 - 24
2393506	Propanil	6.65	Spike	P	0 - 28
2393506	Propargite	11.7	Spike	P	0 - 43
2393506	Propiconazole	12.2	Spike	P	0 - 33
2393506	Pyraflufen Ethyl	1.99	Spike	P	0 - 29
2393506	Pyridaben	24.8	Spike	P	0 - 30
2393506	Pyriproxyfen	18.9	Spike	P	0 - 79
2393506	Simazine	25.9	Spike	P	0 - 29
2393506	Stirophos	11.9	Spike	P	0 - 61
2393506	Sulfentrazone	10.4	Spike	P	0 - 33
2393506	Tebuconazole	11.4	Spike	P	0 - 69
2393506	Terbufos	11.1	Spike	P	0 - 29
2393506	Terbuthylazine	11.3	Spike	P	0 - 32
2393506	Tetradecachloro-m-terphenyl	6.67	Spike	P	0 - 30
2393506	Thiobencarb	9.14	Spike	P	0 - 26
2393506	Tri-o-cresyl Phosphate	9.64	Spike	P	0 - 33
2393506	Triadimefon	17.0	Spike	P	0 - 28
2393506	Tris(1-chloro-2-propyl) phosphate (TCPP)	0.216	Spike	P	0 - 30
2393506	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	9.02	Spike	P	0 - 30
2393506	Tris(2-chloroethyl) phosphate (TCEP)	2.12	Spike	P	0 - 30

Reference Method: EPA 8270E

Batch ID: P427091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392882	Aldrin	11.1	Spike	P	0 - 41
2392882	Alpha-BHC	11.7	Spike	P	0 - 25
2392882	Alpha-Chlordane	9.95	Spike	P	0 - 33
2392882	Beta-BHC	9.67	Spike	P	0 - 36
2392882	Beta-Cyfluthrin	24.7	Spike	P	0 - 42
2392882	Bifenthrin	27.2	Spike	P	0 - 53
2392882	Cis-Nonachlor	14.0	Spike	P	0 - 29
2392882	Cypermethrin	22.3	Spike	P	0 - 40
2392882	Dacthal	7.13	Spike	P	0 - 26
2392882	DDD-p,p'	12.9	Spike	P	0 - 39
2392882	DDE-p,p'	12.7	Spike	P	0 - 33
2392882	DDT-p,p'	20.2	Spike	P	0 - 40
2392882	Delta-BHC	6.95	Spike	P	0 - 37
2392882	Deltamethrin	22.7	Spike	P	0 - 100
2392882	Dichlobenil	3.87	Spike	P	0 - 40

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P427091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392882	Dicofol	7.66	Spike	P	0 - 31
2392882	Dieldrin	10.3	Spike	P	0 - 27
2392882	Endosulfan I	11.2	Spike	P	0 - 23
2392882	Endosulfan II	0.574	Spike	P	0 - 28
2392882	Endosulfan Sulfate	17.7	Spike	P	0 - 38
2392882	Endrin	9.31	Spike	P	0 - 63
2392882	Endrin Aldehyde	15.5	Spike	P	0 - 60
2392882	Endrin Ketone	10.1	Spike	P	0 - 37
2392882	Esfenvalerate	26.1	Spike	P	0 - 52
2392882	Ethalfuralin	13.5	Spike	P	0 - 23
2392882	Fenpropathrin	21.6	Spike	P	0 - 32
2392882	Gamma-BHC	7.57	Spike	P	0 - 17
2392882	Gamma-Chlordane	15.0	Spike	P	0 - 40
2392882	Heptachlor	12.9	Spike	P	0 - 29
2392882	Heptachlor Epoxide	3.67	Spike	P	0 - 25
2392882	Hexachlorobenzene	16.6	Spike	P	0 - 36
2392882	Kepone	1.49	Spike	P	0 - 93
2392882	Lambda-Cyhalothrin	26.3	Spike	P	0 - 55
2392882	Methoprene	16.0	Spike	P	0 - 53
2392882	Methoxychlor	6.81	Spike	P	0 - 29
2392882	MGK-264	15.3	Spike	P	0 - 35
2392882	Mirex	31.5	Spike	P	0 - 46
2392882	Oxychlordane	19.7	Spike	P	0 - 29
2392882	Permethrin	24.6	Spike	P	0 - 44
2392882	Phenothrin	17.6	Spike	P	0 - 56
2392882	Piperonyl Butoxide	8.25	Spike	P	0 - 100
2392882	Prallethrin	6.86	Spike	P	0 - 42
2392882	Tau-Fluvalinate	31.3	Spike	P	0 - 54
2392882	Tetramethrin	3.39	Spike	P	0 - 51
2392882	Trans-Nonachlor	10.7	Spike	P	0 - 37
2392882	Triclosan Methyl	10.7	Spike	P	0 - 31
2392882	Trifluralin	19.6	Spike	P	0 - 30
2393385	PCB-1016	3.07	Spike	P	0 - 32
2393385	PCB-1260	0.457	Spike	P	0 - 31

Reference Method: EPA 8276
Batch ID: P427091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393385	Chlordane	5.57	Spike	P	0 - 25
2393385	Toxaphene	8.81	Spike	P	0 - 26

Reference Method: EPA 8321B
Batch ID: P426712

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2391619	Acesulfame K	12.1	Spike	P	0 - 30
2391619	AMPA	7.72	Spike	P	0 - 30
2391619	Endothall	1.58	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P426712

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2391619	Glufosinate	2.92	Spike	P	0 - 30
2391619	Glyphosate	7.67	Spike	P	0 - 30
2391619	Sucralose	6.33	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P426940

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392817	2,4-D	9.55	Spike	P	0 - 30
2392817	2,4,5-T	16.3	Spike	P	0 - 30
2392817	Acetaminophen	9.79	Spike	P	0 - 30
2392817	Acetamiprid	11.5	Spike	P	0 - 30
2392817	Afidopyropen	32.7	Spike	F	0 - 30
2392817	Bentazon	3.44	Spike	P	0 - 30
2392817	Benzovindiflupyr	10.9	Spike	P	0 - 30
2392817	Carbamazepine	15.5	Spike	P	0 - 30
2392817	Clothianidin	0.183	Spike	P	0 - 30
2392817	Dinotefuran	6.14	Spike	P	0 - 30
2392817	Diuron	6.50	Spike	P	0 - 30
2392817	Fenuron	9.57	Spike	P	0 - 30
2392817	Fluridone	2.32	Spike	P	0 - 30
2392817	Hydrocodone	13.1	Spike	P	0 - 30
2392817	Ibuprofen	1.50	Spike	P	0 - 30
2392817	Imazapyr	17.2	Spike	P	0 - 30
2392817	Imidacloprid	2.62	Spike	P	0 - 30
2392817	Linuron	26.3	Spike	P	0 - 30
2392817	Mandestrobin	17.6	Spike	P	0 - 30
2392817	MCCP	13.2	Spike	P	0 - 30
2392817	Naproxen	2.33	Spike	P	0 - 30
2392817	Primidone	4.61	Spike	P	0 - 30
2392817	Pyraclostrobin	12.0	Spike	P	0 - 30
2392817	Silvex	15.0	Spike	P	0 - 30
2392817	Thiamethoxam	10.6	Spike	P	0 - 30
2392817	Tolfenpyrad	25.3	Spike	P	0 - 30
2392817	Triclopyr	6.44	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P427008

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392870	3-Hydroxycarbofuran	13.5	Spike	P	0 - 30
2392870	Aldicarb	29.6	Spike	P	0 - 30
2392870	Aldicarb Sulfone	6.35	Spike	P	0 - 30
2392870	Aldicarb Sulfoxide	3.54	Spike	P	0 - 30
2392870	Carbaryl	11.3	Spike	P	0 - 30
2392870	Carbofuran	7.82	Spike	P	0 - 30
2392870	Methiocarb	10.8	Spike	P	0 - 30
2392870	Methomyl	5.75	Spike	P	0 - 30
2392870	Oxamyl	5.80	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P427008

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392870	Propoxur	2.98	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P427035

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392889	Total Alkalinity	0.840	Sample	P	0 - 3.8

Reference Method: SM 2320 B-2011
Batch ID: P427114

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393556	Total Alkalinity	0.490	Sample	P	0 - 3.8

Reference Method: SM 2320 B-2011
Batch ID: P427159

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392807	Total Alkalinity	1.03	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P427448

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392735	TDS	1.57	Sample	P	0 - 10

Reference Method: SM 2540 D-2015
Batch ID: P427486

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392735	TSS	6.90	Sample	P	0 - 10

Reference Method: SM 2540 D-2015
Batch ID: P427488

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392993	TSS	7.69	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P427161

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392807	Fluoride	0.934	Spike	P	0 - 1.6

Quality Assurance Report Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P427294

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393167	Fluoride	0.524	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P427058

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392855	Organic Carbon	3.19	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P427111

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393017	Organic Carbon	2.09	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P427112

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2392791	Organic Carbon	1.48	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2392870
Field Sample ID: G4SE0147

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	84.4	P	30 - 160

Lab Sample ID: 2392871
Field Sample ID: G4SE0147

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	127	P	30 - 160
EPA 8321B	Acetaminophen-d4	103	P	30 - 160
EPA 8321B	Carbamazepine-d10	90.1	P	30 - 160
EPA 8321B	Diuron-d6	87.6	P	30 - 160
EPA 8321B	Endothall-d6	53.2	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	158	P	30 - 160
EPA 8321B	Ibuprofen-d3	79.0	P	30 - 160
EPA 8321B	Primidone-d5	107	P	30 - 160
EPA 8321B	Sucralose-d6	64.8	P	30 - 160

Lab Sample ID: 2392874
Field Sample ID: G4SE0147

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	68.7	P	29 - 130
EPA 8270E	Decachlorobiphenyl	64.1	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	47.5	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	54.7	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	39.7	P	30 - 101
EPA 8276	PCNB	68.6	P	48 - 121

Lab Sample ID: 2392875
Field Sample ID: G4SE0147

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	103	P	20 - 200
EPA 8270E	Simazine-d10	92.7	P	62 - 142
EPA 8270E	Terbufos-d10	118	P	58 - 132
EPA 8270E	Terphenyl-d14	114	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A117876

Included Lab Sample IDs: 2392852, 2392854, 2392856, 2392858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	101	101	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1

Run ID: A117877

Included Lab Sample IDs: 2392852, 2392854, 2392856, 2392858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.2	96.7	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A117880

Included Lab Sample IDs: 2392871

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	113	112	P/P	60 - 160
Endothall	80.4	89.2	P/P	60 - 160
Glufosinate	103	101	P/P	60 - 160
Glyphosate	111	113	P/P	60 - 160

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A117903

Included Lab Sample IDs: 2392853, 2392855, 2392857, 2392859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.9	99.6	P/P	90 - 110
Ammonia-N	99.6	99.2	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A117915

Included Lab Sample IDs: 2392871

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	112	111	P/P	60 - 160
Sucralose	102	105	P/P	60 - 160

Reference Method: SM 2320 B-2011

Run ID: A117948

Included Lab Sample IDs: 2392852

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.8	94.9	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A117952

Included Lab Sample IDs: 2392855

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	99.4	96.4	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A117960
Included Lab Sample IDs: 2392871

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	98.8	103	P/P	50 - 150
2,4,5-T	93.0	97.1	P/P	50 - 150
Acetaminophen	104	106	P/P	60 - 160
Acetamiprid	100	103	P/P	50 - 150
Afidopyropen	109	77.5	P/P	50 - 150
Bentazon	120	126	P/P	50 - 160
Benzovindiflupyr	101	101	P/P	50 - 150
Carbamazepine	107	110	P/P	60 - 150
Clothianidin	101	96.6	P/P	60 - 150
Dinotefuran	97.9	104	P/P	50 - 150
Diuron	112	106	P/P	60 - 160
Fenuron	96.8	105	P/P	60 - 150
Fluridone	104	103	P/P	60 - 160
Hydrocodone	110	104	P/P	60 - 150
Ibuprofen	126	132	P/P	50 - 160
Imazapyr	96.9	103	P/P	50 - 150
Imidacloprid	91.9	92.7	P/P	60 - 150
Linuron	87.3	98.4	P/P	60 - 150
Mandestrobin	104	105	P/P	50 - 150
MCPP	112	96.6	P/P	50 - 150
Naproxen	130	115	P/P	50 - 160
Primidone	100	104	P/P	60 - 150
Pyraclostrobin	104	107	P/P	60 - 150
Silvex	110	104	P/P	50 - 150
Thiamethoxam	94.4	103	P/P	50 - 150
Tolfenpyrad	91.7	99.7	P/P	60 - 150
Triclopyr	100	88.4	P/P	50 - 150

Reference Method: SM 2320 B-2011
Run ID: A117971
Included Lab Sample IDs: 2392856

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	93.7	95.9	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A117973
Included Lab Sample IDs: 2392853, 2392857, 2392859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	93.1	97.1	P/P	90 - 110
Organic Carbon	94.8	97.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A117976
Included Lab Sample IDs: 2392853, 2392857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	102	99.5	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 2320 B-2011

Run ID: A117988

Included Lab Sample IDs: 2392854, 2392858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.8	93.9	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A117988

Included Lab Sample IDs: 2392854, 2392858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	101	102	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A117996

Included Lab Sample IDs: 2392870

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	101	92.3	P/P	60 - 150
Aldicarb	112	84.6	P/P	60 - 150
Aldicarb Sulfone	87.3	92.4	P/P	50 - 150
Aldicarb Sulfoxide	102	101	P/P	50 - 150
Carbaryl	98.7	89.5	P/P	60 - 150
Carbofuran	98.8	92.5	P/P	50 - 150
Methiocarb	103	94.0	P/P	50 - 150
Methomyl	99.5	98.6	P/P	50 - 150
Oxamyl	88.0	85.5	P/P	50 - 150
Propoxur	94.2	87.1	P/P	50 - 150

Reference Method: EPA 8270E

Run ID: A118031

Included Lab Sample IDs: 2392875

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	98.9		P	80 - 120
Avobenzone	101		P	80 - 120
Dechlorane 602	95.3		P	80 - 120
Dechlorane 603	97.6		P	80 - 120
Dechlorane Plus	99.2		P	80 - 120
Hexabromobenzene	92.0		P	80 - 120
Octinoxate	95.0		P	80 - 120
Oxybenzone	95.5		P	80 - 120
PBB-153	97.6		P	80 - 120
PBDE-47	93.9		P	80 - 120
PBDE-99	95.2		P	80 - 120
Pentabromotoluene	93.6		P	80 - 120
Tetradecachloro-m-terphenyl	104		P	80 - 120
Tri-o-cresyl Phosphate	94.4		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	94.9		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	93.8		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	92.9		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A118036

Included Lab Sample IDs: 2392855, 2392859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	103	104	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A118044

Included Lab Sample IDs: 2392855, 2392859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.3	99.7	P/P	90 - 110
Kjeldahl Nitrogen	99.7	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118052

Included Lab Sample IDs: 2392853

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.5	101	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A118053

Included Lab Sample IDs: 2392852, 2392856

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	100	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118054

Included Lab Sample IDs: 2392857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.2	99.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A118064

Included Lab Sample IDs: 2392855, 2392859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	98.8	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A118079

Included Lab Sample IDs: 2392853, 2392857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.4	95.8	P/P	90 - 110

Reference Method: EPA 8276

Run ID: A118091

Included Lab Sample IDs: 2392874

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	96.6		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8276
Run ID: A118091
Included Lab Sample IDs: 2392874

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Toxaphene	99.2		P	80 - 120

Reference Method: EPA 8270E
Run ID: A118100
Included Lab Sample IDs: 2392875

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	97.5		P	80 - 120
Alachlor	93.1		P	80 - 120
Ametryn	95.0		P	80 - 120
Atrazine	94.5		P	80 - 120
Atrazine Desethyl	115		P	80 - 120
Azinphos Methyl	114		P	80 - 120
Azoxystrobin	101		P	80 - 120
Bromacil	99.3		P	80 - 120
Butylate	100		P	80 - 120
Caffeine	100		P	80 - 120
Carbophenothion	99.8		P	80 - 120
Carfentrazone Ethyl	101		P	80 - 120
Chlorfenapyr	106		P	80 - 120
Chlorpyrifos Ethyl	99.2		P	80 - 120
Chlorpyrifos Methyl	99.7		P	80 - 120
Coumaphos	84.8		P	80 - 120
Cyanazine	102		P	80 - 120
Cyprodinil	106		P	80 - 120
Demeton	103		P	80 - 120
Diazinon	84.8		P	80 - 120
Difenoconazole	111		P	80 - 120
Dimethenamid	101		P	80 - 120
Dimethomorph	102		P	80 - 120
Disulfoton	104		P	80 - 120
Dithiopyr	98.8		P	80 - 120
EPTC	99.7		P	80 - 120
Ethion	114		P	80 - 120
Ethoprop	87.5		P	80 - 120
Etridiazole	95.8		P	80 - 120
Fenamiphos	109		P	80 - 120
Fenbuconazole	91.6		P	80 - 120
Fipronil	95.2		P	80 - 120
Fipronil Desulfinyl	92.1		P	80 - 120
Fipronil Sulfide	101		P	80 - 120
Fipronil Sulfone	102		P	80 - 120
Fluazifop-P-butyl	97.6		P	80 - 120
Fludioxonil	96.3		P	80 - 120
Flumioxazin	80.9		P	80 - 120
Flutolanil	110		P	80 - 120
Fluxapyroxad	111		P	80 - 120
Fonofos	103		P	80 - 120
Hexazinone	99.2		P	80 - 120
Imazalil	95.1		P	80 - 120
Iprodione	106		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A118100
Included Lab Sample IDs: 2392875

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Loratadine	97.8		P	80 - 120
Malathion	95.2		P	80 - 120
Metalaxyl	97.3		P	80 - 120
Metolachlor	100		P	80 - 120
Metribuzin	93.1		P	80 - 120
Mevinphos	85.9		P	80 - 120
Molinate	105		P	80 - 120
Myclobutanil	100		P	80 - 120
Naled	88.2		P	80 - 120
Napropamide	101		P	80 - 120
Norflurazon	100		P	80 - 120
Oxadiazon	96.4		P	80 - 120
Oxyfluorfen	89.8		P	80 - 120
Parathion Ethyl	111		P	80 - 120
Parathion Methyl	98.4		P	80 - 120
Pendimethalin	91.8		P	80 - 120
Phenytoin	96.4		P	80 - 120
Phorate	91.2		P	80 - 120
Prodiamine	90.0		P	80 - 120
Prometon	105		P	80 - 120
Prometryn	96.5		P	80 - 120
Pronamide	96.6		P	80 - 120
Propanil	104		P	80 - 120
Propargite	95.0		P	80 - 120
Propiconazole	106		P	80 - 120
Pyraflufen Ethyl	96.2		P	80 - 120
Pyridaben	95.0		P	80 - 120
Pyriproxyfen	116		P	80 - 120
Simazine	104		P	80 - 120
Stirophos	99.3		P	80 - 120
Sulfentrazone	104		P	80 - 120
Tebuconazole	91.2		P	80 - 120
Terbufos	107		P	80 - 120
Terbuthylazine	99.3		P	80 - 120
Thiobencarb	103		P	80 - 120
Triadimefon	94.0		P	80 - 120

Reference Method: EPA 8270E
Run ID: A118119
Included Lab Sample IDs: 2392874

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	102		P	80 - 120
PCB-1260	94.0		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A118124
Included Lab Sample IDs: 2392852, 2392854, 2392856, 2392858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.2	98.6	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A118124

Included Lab Sample IDs: 2392852, 2392854, 2392856, 2392858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sulfate	100	99.3	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A118127

Included Lab Sample IDs: 2392874

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	96.9		P	80 - 120
Alpha-BHC	108		P	80 - 120
Alpha-Chlordane	90.5		P	80 - 120
Beta-BHC	106		P	80 - 120
Beta-Cyfluthrin	99.9		P	80 - 120
Bifenthrin	102		P	80 - 120
Chlorothalonil	95.6		P	80 - 120
Cis-Nonachlor	112		P	80 - 120
Cypermethrin	103		P	80 - 120
Dacthal	96.7		P	80 - 120
DDD-p,p'	103		P	80 - 120
DDE-p,p'	102		P	80 - 120
DDT-p,p'	111		P	80 - 120
Delta-BHC	109		P	80 - 120
Deltamethrin	103		P	80 - 120
Dichlobenil	109		P	80 - 120
Dicofol	95.2		P	80 - 120
Dieldrin	105		P	80 - 120
Endosulfan I	108		P	80 - 120
Endosulfan II	108		P	80 - 120
Endosulfan Sulfate	103		P	80 - 120
Endrin	105		P	80 - 120
Endrin Aldehyde	93.9		P	80 - 120
Endrin Ketone	113		P	80 - 120
Esfenvalerate	104		P	80 - 120
Ethalfuralin	98.2		P	80 - 120
Fenpropathrin	96.9		P	80 - 120
Gamma-BHC	105		P	80 - 120
Gamma-Chlordane	104		P	80 - 120
Heptachlor	99.8		P	80 - 120
Heptachlor Epoxide	99.5		P	80 - 120
Hexachlorobenzene	94.1		P	80 - 120
Kepone	83.5		P	80 - 120
Lambda-Cyhalothrin	103		P	80 - 120
Methoprene	113		P	80 - 120
Methoxychlor	101		P	80 - 120
MGK-264	109		P	80 - 120
Mirex	110		P	80 - 120
Oxychlordane	111		P	80 - 120
Permethrin	106		P	80 - 120
Phenothrin	97.4		P	80 - 120
Piperonyl Butoxide	113		P	80 - 120
Prallethrin	116		P	80 - 120
Tau-Fluvalinate	99.8		P	80 - 120

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8270E
Run ID: A118127
Included Lab Sample IDs: 2392874

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tetramethrin	105		P	80 - 120
Trans-Nonachlor	108		P	80 - 120
Triclosan Methyl	104		P	80 - 120
Trifluralin	103		P	80 - 120

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

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	
						SMP	MS
DEP SOP: NU-094-1	Color (true)	98.9				0.850	
EPA 180.1 Rev. 2.0	Turbidity	100				0.247	
EPA 300.0 Rev. 2.1	Chloride	99.7	99.4	98.2		0.499	
	Sulfate	99.4	98.5	95.6		0.920	
EPA 350.1 Rev. 2.0	Ammonia-N	96.6	108	108			0.0
	Ammonia-N	100	97.2	97.2			0.0
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.9				3.13	RSD
	Kjeldahl Nitrogen	104	105	97.7			4.38
EPA 353.2 Rev. 2.0	NO2NO3-N	102	90.5				0.195
	NO2NO3-N	104	104	104			0.0
EPA 365.1 Rev. 2.0	Total-P	99.8	92.8	94.8			2.05
	Total-P	101	101	101			0.759
	Total-P	103	96.6	96.0			0.597
EPA 8270E	2-Ethylhexyl	69.9	121	119			1.06
	2,3,4,5-tetrabromobenzoate (EHTBB)						
	Acetochlor	76.4	87.3	69.1			23.3
	Alachlor	94.4	97.2	75.9			24.6
	Aldrin	29.8	40.3	36.1			11.1
	Alpha-BHC	85.0	80.4	71.5			11.7
	Alpha-Chlordane	50.9	63.0	57.0			9.95
	Ametryn	271					23.1
	Atrazine	57.4					18.7
	Atrazine Desethyl	85.1					6.29
	Avobenzone	81.0	154	160			3.93
	Azinphos Methyl	56.9	56.4	74.6			27.8
	Azoxystrobin	47.2	52.0	63.5			17.0
	Beta-BHC	89.4	92.5	84.0			9.67
	Beta-Cyfluthrin	31.5	69.4	54.2			24.7
	Bifenthrin	21.3	58.0	44.1			27.2
	Bromacil	100	81.3	109			26.3
	Butylate	48.7	29.9	38.8			25.8
	Caffeine	96.1	87.6	90.3			2.99
	Carbophenothion	69.5	51.5	42.7			18.6
	Carfentrazone Ethyl	81.4	61.2	50.8			18.7
	Chlorfenapyr	53.6	62.8	61.3			2.43
	Chlorothalonil	65.1	0.0	0.0			
	Chlorpyrifos Ethyl	100	70.6	73.0			3.29
	Chlorpyrifos Methyl	90.4	69.3	63.5			8.68
	Cis-Nonachlor	46.3	56.6	49.2			14.0
	Coumaphos	109	86.9	165			62.1
	Cyanazine	174	147	201			30.7
	Cypermethrin	37.6	68.3	54.6			22.3
	Cyprodinil	92.2	107	106			0.600
	Dacthal	77.6	82.6	76.9			7.13
	DDD-p,p'	57.2	62.1	54.6			12.9
	DDE-p,p'	49.8	62.1	54.6			12.7
	DDT-p,p'	54.0	62.7	51.2			20.2
	Dechlorane 602	85.1	55.2	58.9			6.61
	Dechlorane 603	86.6	54.4	58.4			7.04
	Dechlorane Plus	86.6	121	113			6.64
	Delta-BHC	88.7	90.9	84.8			6.95
	Deltamethrin	37.8	75.3	59.9			22.7
	Demeton	49.5	49.0	48.5			1.00

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Diazinon	74.0	99.9	76.5			26.5
	Dichlobenil	61.1	57.9	55.7			3.87
	Dicofol	56.6	58.7	54.3			7.66
	Dieldrin	63.8	66.2	59.7			10.3
	Difenoconazole	76.1	58.5	45.3			25.4
	Dimethenamid	84.3	67.6	73.2			7.87
	Dimethomorph	78.8	43.4	70.6			47.8
	Disulfoton	56.9	66.3	59.1			11.5
	Dithiopyr	90.1	66.6	79.8			17.9
	Endosulfan I	64.6	66.2	59.2			11.2
	Endosulfan II	83.5	71.4	71.8			0.574
	Endosulfan Sulfate	79.2	72.0	60.3			17.7
	Endrin	67.6	67.2	61.2			9.31
	Endrin Aldehyde	68.4	64.7	55.4			15.5
	Endrin Ketone	77.0	67.2	60.7			10.1
	EPTC	38.6	30.1	37.2			21.2
	Esfenvalerate	34.0	68.2	52.5			26.1
	Ethalfuralin	53.3	64.3	56.1			13.5
	Ethion	46.4	66.7	48.3			31.9
	Ethoprop	77.0	77.5	78.5			1.22
	Etridiazole	56.1	32.5	41.8			25.1
	Fenamiphos	69.1	87.9	95.3			8.16
	Fenbuconazole	24.8	118	73.4			46.5
	Fenpropathrin	36.2	66.2	53.4			21.6
	Fipronil	70.2	56.3	64.0			12.8
	Fipronil Desulfinyl	63.0	64.6	48.3			28.8
	Fipronil Sulfide	63.1	57.2	48.4			16.7
	Fipronil Sulfone	77.4	67.9	76.6			12.0
	Fluazifop-P-butyl	62.6	81.0	74.3			8.62
	Fludioxonil	67.1	95.1	79.5			17.9
	Flumioxazin	112	176	185			5.04
	Flutolanil	81.6	78.9	91.7			15.1
	Fluxapyroxad	102	49.1	29.8			37.8
	Fonofos	82.3	95.2	84.6			11.8
	Gamma-BHC	78.8	80.2	74.3			7.57
	Gamma-Chlordane	45.2	59.9	51.6			15.0
	Heptachlor	41.2	52.4	46.1			12.9
	Heptachlor Epoxide	63.0	66.8	64.4			3.67
	Hexabromobenzene	123	138	124			10.2
	Hexachlorobenzene	36.9	51.5	43.6			16.6
	Hexazinone	58.7					0.562
	Imazalil	46.8	45.3	53.0			15.6
	Iprodione	110	52.7	53.7			1.86
	Kepone	108	99.7	101			1.49
	Lambda-Cyhalothrin	22.7	60.5	46.4			26.3
	Loratadine	103	95.8	102			6.27
	Malathion	70.2	65.4	76.3			13.5
	Metalaxyl	67.7	76.0	64.1			12.2
	Methoprene	31.4	56.8	48.4			16.0
	Methoxychlor	64.7	66.7	62.3			6.81
	Metolachlor	87.3	69.8	52.5			12.9
	Metribuzin	33.3	61.1	-25.3			166
	Mevinphos	52.1	63.5	62.6			1.47
	MGK-264	80.2	25.0	29.2			15.3

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Mirex	22.1	50.7	36.9		31.5
	Molinate	47.4	51.6	46.0		11.6
	Myclobutanil	99.2	83.7	92.8		10.3
	Naled	34.5	53.8	42.0		24.7
	Napropamide	66.0	52.2	64.6		21.2
	Norflurazon	55.1	58.0	54.1		6.93
	Octinoxate	124	132	122		8.05
	Oxadiazon	60.1	73.8	63.8		14.5
	Oxybenzone	150	136	128		6.37
	Oxychlordane	53.7	66.3	54.4		19.7
	Oxyfluorfen	108	83.2	96.2		14.5
	Parathion Ethyl	43.2	63.3	71.0		11.5
	Parathion Methyl	78.9	108	81.2		28.6
	PBB-153	76.9	108	88.9		19.5
	PBDE-47	116	127	121		5.26
	PBDE-99	61.6	109	109		0.152
	PCB-1016	72.5	70.0	72.2		3.07
	PCB-1260	71.1	72.8	73.1		0.457
	Pendimethalin	115	99.7	103		3.08
	Pentabromotoluene	131	129	124		3.42
	Permethrin	33.3	64.3	50.2		24.6
	Phenothrin	24.2	62.4	52.3		17.6
	Phenytoin	74.0	62.1	67.4		8.23
	Phorate	62.0	74.6	55.6		29.1
	Piperonyl Butoxide	86.4	77.0	70.9		8.25
	Prallethrin	62.8	63.3	59.1		6.86
	Prodiamine	103	69.6	64.0		8.45
	Prometon	71.7	114	95.4		17.8
	Prometryn	105	104	86.4		18.9
	Pronamide	72.8	95.4	79.6		18.1
	Propanil	72.3	55.4	51.8		6.65
	Propargite	29.3	39.4	44.3		11.7
	Propiconazole	93.6	58.8	45.9		12.2
	Pyraflufen Ethyl	56.5	58.4	59.6		1.99
	Pyridaben	84.1	108	138		24.8
	Pyriproxyfen	34.0	38.1	31.6		18.9
	Simazine	50.7	68.4	103		25.9
	Stirophos	54.7	63.7	71.8		11.9
	Sulfentrazone	110	88.7	98.4		10.4
	Tau-Fluvalinate	25.1	63.0	46.0		31.3
	Tebuconazole	49.6	62.3	69.8		11.4
	Terbufos	63.5	64.8	72.4		11.1
	Terbutylazine	67.5	88.5	99.1		11.3
	Tetradecachloro-m-terphenyl	112	103	96.7		6.67
	Tetramethrin	69.4	82.1	79.4		3.39
	Thiobencarb	82.7	69.4	63.3		9.14
	Trans-Nonachlor	47.1	57.4	51.6		10.7
	Tri-o-cresyl Phosphate	137	133	121		9.64
	Triadimefon	69.3	68.8	58.0		17.0
	Triclosan Methyl	65.2	70.1	63.0		10.7
	Trifluralin	50.2	66.1	54.3		19.6
	Tris(1-chloro-2-propyl) phosphate (TCPP)	134	151	152		0.216

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	123	114	104			9.02
	Tris(2-chloroethyl) phosphate (TCEP)	205	151	154			2.12
EPA 8276	Chlordane	77.4	73.3	69.3			5.57
	Toxaphene	83.4	78.2	71.6			8.81
EPA 8321B	2,4-D	100	102	112			9.55
	2,4,5-T	93.0	78.4	92.3			16.3
	3-Hydroxycarbofuran	59.9	103	118			13.5
	Acesulfame K	115	84.2	95.0			12.1
	Acetaminophen	98.5	88.8	97.9			9.79
	Acetamiprid	74.1	85.0	95.4			11.5
	Afidopyropen	49.0	74.1	103			32.7
	Aldicarb	60.3	50.4	67.9			29.6
	Aldicarb Sulfone	86.5	102	109			6.35
	Aldicarb Sulfoxide	117	68.6	71.1			3.54
	AMPA	113	64.5	73.0			7.72
	Bentazon	97.6	97.7	102			3.44
	Benzovindiflupyr	84.2	72.6	81.0			10.9
	Carbamazepine	84.4	78.3	91.5			15.5
	Carbaryl	69.4	65.0	72.8			11.3
	Carbofuran	78.4	76.3	82.5			7.82
	Clothianidin	95.4	95.9	96.1			0.183
	Dinotefuran	95.3	97.7	104			6.14
	Diuron	80.9	65.4	70.2			6.50
	Endothall	113	128	130			1.58
	Fenuron	89.6	69.9	77.0			9.57
	Fluridone	84.4	80.7	78.9			2.32
	Glufosinate	116	99.8	97.0			2.92
	Glyphosate	101	78.9	92.0			7.67
	Hydrocodone	90.0	83.4	95.2			13.1
	Ibuprofen	85.2	79.7	78.5			1.50
	Imazapyr	91.0	80.1	96.7			17.2
	Imidacloprid	82.7	102	105			2.62
	Linuron	82.4	57.7	75.1			26.3
	Mandestrobin	94.8	78.2	93.3			17.6
	MCPP	97.5	89.7	102			13.2
	Methiocarb	66.8	76.5	68.6			10.8
	Methomyl	89.0	90.3	95.6			5.75
	Naproxen	93.0	92.1	90.0			2.33
	Oxamyl	89.5	101	107			5.80
	Primidone	102	87.3	91.5			4.61
	Propoxur	65.4	60.4	62.3			2.98
	Pyraclostrobin	83.1	70.4	79.5			12.0
	Silvex	96.6	91.7	107			15.0
	Sucralose	99.4	45.3	48.8			6.33
	Thiamethoxam	81.4	89.4	99.4			10.6
	Tolfenpyrad	61.2	41.7	53.7			25.3
	Triclopyr	96.1	93.8	100			6.44
SM 2320 B-2011	Total Alkalinity	95.1				0.840	
	Total Alkalinity	96.4				0.490	
	Total Alkalinity	94.7				1.03	
SM 2540 C-2015	TDS	97.4				1.57	
SM 2540 D-2015	TSS	102				6.90	

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	MS
SM 2540 D-2015	TSS	97.4			7.69	
SM 4500-F- C-2011	Fluoride	99.8	98.2	99.5		0.934
	Fluoride	97.7	98.5	99.3		0.524
SM 5310 B-2011	Organic Carbon	96.4	90.1	87.1		3.19
	Organic Carbon	95.4	95.4	98.0		2.09
	Organic Carbon	96.8	93.2	94.7		1.48

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2392852, 2392854, 2392856, 2392858
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2392852, 2392854, 2392856, 2392858
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2392852, 2392854, 2392856, 2392858
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2392852, 2392854, 2392856, 2392858
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2392853, 2392855, 2392857, 2392859
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2392853, 2392855, 2392857, 2392859
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2392853, 2392855, 2392857, 2392859
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2392853, 2392855, 2392857, 2392859
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2392875
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2392874
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2392875
EPA 8270E	PCBs in water matrices by GC/MS/MS	2392874
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2392874
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2392870
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2392871
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2392852, 2392854, 2392856, 2392858
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2392852, 2392854, 2392856, 2392858
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2392852, 2392854, 2392856, 2392858
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2392852, 2392854, 2392856, 2392858
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2392853, 2392855, 2392857, 2392859

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	03/08/2023			03/08/2023 15:02	Samantha L Bates	2392852
	03/08/2023			03/08/2023 15:03	Samantha L Bates	2392854, 2392856
	03/08/2023			03/08/2023 15:04	Samantha L Bates	2392858
EPA 180.1 Rev. 2.0	03/08/2023			03/08/2023 14:23	Anna M. Plaviak	2392852
	03/08/2023			03/08/2023 14:24	Anna M. Plaviak	2392854
	03/08/2023			03/08/2023 14:25	Anna M. Plaviak	2392856
EPA 300.0 Rev. 2.1	03/08/2023			03/08/2023 14:26	Anna M. Plaviak	2392858
	03/08/2023			03/21/2023 17:05	Anna M. Plaviak	2392852
	03/08/2023			03/21/2023 17:20	Anna M. Plaviak	2392854
EPA 350.1 Rev. 2.0	03/08/2023			03/21/2023 17:35	Anna M. Plaviak	2392856
	03/08/2023			03/21/2023 17:59	Anna M. Plaviak	2392858
	03/08/2023			03/09/2023 13:38	Khloe J Berg	2392855
EPA 351.2 Rev. 2.0	03/08/2023			03/09/2023 13:40	Khloe J Berg	2392859
	03/08/2023			03/09/2023 14:04	Khloe J Berg	2392853
	03/08/2023			03/09/2023 14:05	Khloe J Berg	2392857
EPA 353.2 Rev. 2.0	03/08/2023	03/14/2023 16:30	Simonne.V. Calhoun	03/16/2023 12:36	Judith K. Clark	2392855
	03/08/2023	03/14/2023 16:30	Simonne.V. Calhoun	03/16/2023 12:41	Judith K. Clark	2392859
	03/08/2023	03/15/2023 13:00	Simonne.V. Calhoun	03/20/2023 11:18	Samantha L Bates	2392853
EPA 365.1 Rev. 2.0	03/08/2023	03/15/2023 13:00	Simonne.V. Calhoun	03/20/2023 11:20	Samantha L Bates	2392857
	03/08/2023			03/14/2023 09:52	Beverly Y. Sanders	2392853
	03/08/2023			03/14/2023 09:53	Beverly Y. Sanders	2392857
EPA 8270E	03/08/2023			03/16/2023 10:47	Beverly Y. Sanders	2392855
	03/08/2023			03/16/2023 10:48	Beverly Y. Sanders	2392859
	03/08/2023	03/13/2023 16:23	Adam P Silver	03/17/2023 11:25	James L Waggeberby	2392853
EPA 8276	03/08/2023	03/16/2023 16:36	Adam P Silver	03/17/2023 11:15	Simonne.V. Calhoun	2392857
	03/08/2023	03/16/2023 16:36	Adam P Silver	03/17/2023 16:24	James L Waggeberby	2392855
	03/08/2023	03/16/2023 16:36	Adam P Silver	03/17/2023 16:26	James L Waggeberby	2392859
EPA 8321B	03/08/2023	03/13/2023 09:00	Fe-Val Siddell	03/15/2023 19:08	Arthur Maknenko	2392875
	03/08/2023	03/13/2023 09:00	Fe-Val Siddell	03/15/2023 22:40	Michael Poppell	2392875
	03/08/2023	03/13/2023 09:00	Julie Wi	03/17/2023 23:55	Julie Wi	2392874
SM 2320 B-2011	03/08/2023	03/13/2023 09:00	Julie Wi	03/22/2023 02:48	Julie Wi	2392874
	03/08/2023	03/13/2023 09:00	Julie Wi	03/18/2023 07:02	Lipi Saha	2392874
	03/08/2023	03/08/2023 16:00	Manjita Shrestha	03/08/2023 19:59	Manjita Shrestha	2392871
	03/08/2023	03/08/2023 16:00	Manjita Shrestha	03/09/2023 02:58	Manjita Shrestha	2392871
	03/08/2023	03/08/2023 16:00	Manjita Shrestha	03/09/2023 10:37	Manjita Shrestha	2392871
	03/08/2023	03/10/2023 09:00	Hoor Shaik	03/10/2023 18:54	Juyoung Kim	2392871
	03/08/2023	03/14/2023 09:00	Hoor Shaik	03/14/2023 15:51	Juyoung Kim	2392870
	03/08/2023			03/11/2023 11:20	Dale L. Simmons	2392852
	03/08/2023			03/14/2023 01:28	Chandler E Cox	2392856
	03/08/2023			03/14/2023 20:29	Dale L. Simmons	2392854

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 2320 B-2011	03/08/2023			03/14/2023 20:42	Dale L. Simmons	2392858
SM 2540 C-2015	03/08/2023			03/13/2023 16:21	Yijie Li	2392852, 2392854, 2392856, 2392858
SM 2540 D-2015	03/08/2023			03/13/2023 16:21	Yijie Li	2392852, 2392854, 2392856, 2392858
SM 4500-F- C-2011	03/08/2023			03/14/2023 18:57	Dale L. Simmons	2392854
	03/08/2023			03/14/2023 19:02	Dale L. Simmons	2392858
	03/08/2023			03/16/2023 21:30	Dale L. Simmons	2392852
	03/08/2023			03/16/2023 21:36	Dale L. Simmons	2392856
SM 5310 B-2011	03/08/2023			03/11/2023 01:26	Elise M. Gillis	2392855
	03/08/2023			03/13/2023 19:25	Elise M. Gillis	2392853
	03/08/2023			03/13/2023 19:43	Elise M. Gillis	2392857
	03/08/2023			03/14/2023 07:37	Elise M. Gillis	2392859