

Chemical Analysis Report

NE-DIST-2023-02-08-01

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

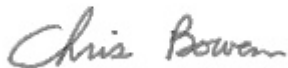
Event Description: **Suwannee East 2023**
Request ID: **RQ-2023-01-30-23**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
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Certified by: Chris Bowen, Environmental Administrator

Date Certified: 03-MAR-2023 15:12



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: Metals, 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: MONTEOCHA CR @ CR 340(NE 156th AVE)

Collection Date/Time: 02/07/2023 10:00

Field ID: 21030112

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385853	EPA 8321B	2,4-D	0.0020	U	ug/L	P425592	
		Acesulfame K	0.10	U	ug/L	P425414	
		2,4,5-T	0.0040	U	ug/L	P425592	
		AMPA	0.10	U	ug/L	P425414	
		Acetaminophen	0.0080	U	ug/L	P425592	
		Acetamiprid	0.0020	U	ug/L	P425592	
		Endothall	0.25	U	ug/L	P425414	
		Glufosinate	0.10	U	ug/L	P425414	
		Glyphosate	0.10	U	ug/L	P425414	
		Afidopyropen	0.0020	U	ug/L	P425592	
		Bentazon	8.0E-04	U	ug/L	P425592	
		Sucralose	0.096		ug/L	P425414	
		Benzovindiflupyr	0.0020	U	ug/L	P425592	
		Carbamazepine	8.0E-04	U	ug/L	P425592	
		Clothianidin	0.0020	U	ug/L	P425592	
		Dinotefuran	0.0020	U	ug/L	P425592	
		Diuron	0.0020	U	ug/L	P425592	
		Fenuron	0.032	U	ug/L	P425592	
		Fluridone	8.0E-04	U	ug/L	P425592	
		Imazapyr	0.076		ug/L	P425592	
		Hydrocodone	0.0020	U	ug/L	P425592	
		Ibuprofen	0.080	U	ug/L	P425592	
		Imidacloprid	0.0020	U	ug/L	P425592	
		Linuron	0.0040	U	ug/L	P425592	
		Mandestrobin	0.0020	U	ug/L	P425592	
		MCPP	0.0020	U	ug/L	P425592	
		Naproxen	0.0080	U	ug/L	P425592	RPD
		Primidone	0.0040	U	ug/L	P425592	
		Pyraclostrobin	0.0020	U	ug/L	P425592	
		Silvex	0.0040	U	ug/L	P425592	
		Thiamethoxam	0.0020	U	ug/L	P425592	
		Tolfenpyrad	0.0020	U	ug/L	P425592	
		Triclopyr	0.0040	U	ug/L	P425592	

Sample Location: Rocky Creek at 156th av.

Collection Date/Time: 02/07/2023 10:30

Field ID: G1NE0020

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385842	DEP SOP: NU-094-1	Color (true)	230		PCU	P425557	
	EPA 180.1 Rev. 2.0	Turbidity	1.8		NTU	P425559	
	EPA 300.0 Rev. 2.1	Chloride	16		mg Cl/L	P426093	
		Sulfate	1.8		mg SO4/L	P426096	
	SM 2320 B-2011	Total Alkalinity	28	A	mg CaCO3/L	P425849	
	SM 2540 C-2015	TDS	121		mg/L	P426111	
	SM 2540 D-2015	TSS	2	U	mg/L	P426004	
2385843	SM 4500-F- C-2011	Fluoride	0.11		mg F/L	P425853	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.005	I	mg N/L	P426105	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.71		mg N/L	P425573	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P425773	
	EPA 365.1 Rev. 2.0	Total-P	0.11		mg P/L	P425759	
2385859	SM 5310 B-2011	Organic Carbon	26		mg C/L	P425680	
	EPA 200.7 Rev. 4.4	Calcium	12.0		mg/L	P425591	
		Chromium	1.4	I	ug/L	P425591	
		Iron	580		ug/L	P425591	
		Magnesium	4.07		mg/L	P425591	
		Potassium	1.2	I	mg/L	P425591	
		Sodium	7.0		mg/L	P425591	
		Strontium	18.4		ug/L	P425591	
		Tin	3.0	U	ug/L	P425591	
		Titanium	1.3	I	ug/L	P425591	
		Vanadium	2.0	U	ug/L	P425591	
		Zinc	5.0	U	ug/L	P425591	
	EPA 200.8 Rev. 5.4	Aluminum	261		ug/L	P425591	
		Antimony	0.050	U	ug/L	P425591	
		Arsenic	0.50		ug/L	P425591	
		Barium	6.96		ug/L	P425591	
		Beryllium	0.031	I	ug/L	P425591	
		Boron	17.2		ug/L	P425591	
		Cadmium	0.020	U	ug/L	P425591	
		Cobalt	0.101		ug/L	P425591	
		Copper	0.40	U	ug/L	P425591	
		Lead	0.20	U	ug/L	P425591	
		Manganese	5.99		ug/L	P425591	
		Molybdenum	0.15	U	ug/L	P425591	
		Nickel	0.57	I	ug/L	P425591	
		Selenium	0.20	U	ug/L	P425591	
		Silver	0.010	U	ug/L	P425591	
		Thallium	0.10	U	ug/L	P425591	
	SM 2340 B-2011	Hardness	46.8		mg/L	P425591	

Ref. Method and Comment:

SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for calcium are unavailable for one of two spiked samples because of high analyte concentration in the QC sample.

Sample Location: OLUSTEE CREEK AT SR-18

Collection Date/Time: 02/07/2023 12:45

Field ID: 21030071

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385852	EPA 8321B	Aldicarb	0.020	U	ug/L	P425593	
		Aldicarb Sulfone	0.0020	U	ug/L	P425593	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P425593	
		Carbaryl	0.0020	U	ug/L	P425593	
		Carbofuran	0.0020	U	ug/L	P425593	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P425593	
		Methiocarb	0.0020	U	ug/L	P425593	
		Methomyl	0.0020	U	ug/L	P425593	
		Oxamyl	0.0020	U	ug/L	P425593	
		Propoxur	0.0020	U	ug/L	P425593	
2385855	EPA 8270E	Aldrin	0.74	U	ng/L	P425547	
		Alpha-BHC	0.11	UJ	ng/L	P425547	LCS, MS
		Alpha-Chlordane	0.23	U	ng/L	P425547	
		PCB-1016	2.3	U	ng/L	P425547	
		Beta-BHC	0.11	U	ng/L	P425547	
		PCB-1221	2.3	U	ng/L	P425547	
		Beta-Cyfluthrin	1.4	U	ng/L	P425547	
		PCB-1232	2.3	U	ng/L	P425547	
		Bifenthrin	0.57	U	ng/L	P425547	
		PCB-1242	2.3	U	ng/L	P425547	
		PCB-1248	2.3	U	ng/L	P425547	
		Chlorothalonil	4.1	U	ng/L	P425547	
		PCB-1254	2.3	U	ng/L	P425547	
		Cis-Nonachlor	0.23	U	ng/L	P425547	
		PCB-1260	2.3	U	ng/L	P425547	
		Cypermethrin	1.7	U	ng/L	P425547	
		Dacthal	0.17	U	ng/L	P425547	
		DDD-p,p'	0.29	U	ng/L	P425547	
		DDE-p,p'	0.23	U	ng/L	P425547	
		DDT-p,p'	0.29	U	ng/L	P425547	MS
		Delta-BHC	0.46	U	ng/L	P425547	
		Deltamethrin	1.4	U	ng/L	P425547	
		Dichlobenil	0.29	U	ng/L	P425547	
		Dicofol	1.4	U	ng/L	P425547	
		Dieldrin	0.46	U	ng/L	P425547	
		Endosulfan I	0.46	U	ng/L	P425547	MS
		Endosulfan II	0.46	U	ng/L	P425547	
		Endosulfan Sulfate	0.34	U	ng/L	P425547	
		Endrin	0.46	U	ng/L	P425547	
		Endrin Aldehyde	0.86	U	ng/L	P425547	
		Endrin Ketone	0.46	U	ng/L	P425547	
		Esfenvalerate	0.86	U	ng/L	P425547	
		Ethalfuralin	0.17	U	ng/L	P425547	
		Fenpropathrin	0.29	U	ng/L	P425547	

Field ID: 21030071

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385855	EPA 8270E	Gamma-BHC	0.14	UJ	ng/L	P425547	LCS
		Gamma-Chlordane	0.23	U	ng/L	P425547	
		Heptachlor	0.23	U	ng/L	P425547	
		Heptachlor Epoxide	0.29	U	ng/L	P425547	
		Hexachlorobenzene**	1.1	U	ng/L	P425547	
		Kepone	5.7	U	ng/L	P425547	
		Lambda-Cyhalothrin	0.86	U	ng/L	P425547	
		Methoprene	0.86	U	ng/L	P425547	
		Methoxychlor	0.34	U	ng/L	P425547	
		MGK-264	0.23	U	ng/L	P425547	
		Mirex	0.40	U	ng/L	P425547	
		Oxychlordane	0.34	U	ng/L	P425547	
		Permethrin	1.8	U	ng/L	P425547	
		Phenothrin	1.0	U	ng/L	P425547	
		Piperonyl Butoxide	0.19	I	ng/L	P425547	
		Prallethrin	2.3	U	ng/L	P425547	
		Tau-Fluvalinate	0.29	U	ng/L	P425547	
		Tetramethrin	0.86	U	ng/L	P425547	
		Trans-Nonachlor	0.23	U	ng/L	P425547	
		Triclosan Methyl	0.17	U	ng/L	P425547	
		Trifluralin	0.23	U	ng/L	P425547	
	EPA 8276	Chlordane	2.3	U	ng/L	P425547	
		Toxaphene	17	U	ng/L	P425547	
2385856	EPA 8270E	Oxybenzone**	9.7	U	ng/L	P425530	
		Acetochlor	0.24	U	ng/L	P425530	
		Octinoxate**	19	U	ng/L	P425530	
		Alachlor	0.24	U	ng/L	P425530	
		Avobenzone**	97	U	ng/L	P425530	
		Ametryn	0.58	U	ng/L	P425530	
		Atrazine	0.68	I	ng/L	P425530	
		PBDE-47**	3.9	U	ng/L	P425530	
		Atrazine Desethyl	1.4	U	ng/L	P425530	
		PBDE-99**	4.8	U	ng/L	P425530	
		Azinphos Methyl	1.9	U	ng/L	P425530	
		Tri-o-cresyl Phosphate**	5.8	U	ng/L	P425530	
		Azoxystrobin	0.48	U	ng/L	P425530	
		Bromacil	0.48	U	ng/L	P425530	
		2-Ethylhexyl	12	U	ng/L	P425530	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.39	U	ng/L	P425530	
		Dechlorane Plus**	29	U	ng/L	P425530	RPD
		Caffeine**	7.3	I	ng/L	P425530	
		Carbophenothion	0.19	U	ng/L	P425530	
		Carfentrazone Ethyl	0.097	U	ng/L	P425530	
		Chlorfenapyr	0.17	U	ng/L	P425530	

Field ID: 21030071

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385856	EPA 8270E	Chlorpyrifos Ethyl	0.24	U	ng/L	P425530	
		Chlorpyrifos Methyl	0.048	U	ng/L	P425530	
		Coumaphos	0.48	U	ng/L	P425530	RPD
		Cyanazine	3.1	UJ	ng/L	P425530	LCS, MS
		Cyprodinil	0.097	U	ng/L	P425530	
		Demeton	1.4	U	ng/L	P425530	
		Diazinon	0.12	U	ng/L	P425530	
		Difenoconazole	0.58	U	ng/L	P425530	RPD
		Dimethenamid	0.097	U	ng/L	P425530	MS, RPD
		Dimethomorph	0.17	U	ng/L	P425530	
		Disulfoton	0.48	U	ng/L	P425530	
		Dithiopyr	0.60	U	ng/L	P425530	
		EPTC	1.2	U	ng/L	P425530	
		Ethion	0.14	U	ng/L	P425530	MS, RPD
		Ethoprop	0.097	U	ng/L	P425530	
		Etridiazole	0.14	U	ng/L	P425530	RPD
		Fenamiphos	0.48	U	ng/L	P425530	
		Fenbuconazole	0.12	U	ng/L	P425530	
		Fipronil	0.24	U	ng/L	P425530	
		Fipronil Desulfinyl**	0.12	U	ng/L	P425530	
		Fipronil Sulfide	0.14	U	ng/L	P425530	
		Fipronil Sulfone	0.14	U	ng/L	P425530	
		Fluazifop-P-butyl	0.097	U	ng/L	P425530	
		Fludioxonil	0.12	U	ng/L	P425530	
		Flumioxazin	4.3	U	ng/L	P425530	RPD
		Flutolanil	0.097	U	ng/L	P425530	
		Fluxapyroxad	0.097	U	ng/L	P425530	MS, RPD
		Fonofos	0.19	U	ng/L	P425530	
		Hexazinone	0.48	U	ng/L	P425530	
		Imazalil	0.72	U	ng/L	P425530	
		Iprodione	0.58	U	ng/L	P425530	
		Loratadine**	0.34	UJ	ng/L	P425530	LCS
		Malathion	0.34	U	ng/L	P425530	
		Metalaxyl	0.72	U	ng/L	P425530	
		Metolachlor	0.42	I	ng/L	P425530	
		Metribuzin	1.4	U	ng/L	P425530	
		Mevinphos	1.0	U	ng/L	P425530	
		Molinate	0.29	U	ng/L	P425530	
		Myclobutanil	0.24	U	ng/L	P425530	
		Naled	1.4	U	ng/L	P425530	
		Napropamide	0.39	U	ng/L	P425530	MS, RPD
		Norflurazon	0.48	U	ng/L	P425530	
		Oxadiazon	0.29	U	ng/L	P425530	
		Oxyfluorfen	0.14	U	ng/L	P425530	
		Parathion Ethyl	0.24	U	ng/L	P425530	

Field ID: 21030071

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385856	EPA 8270E	Parathion Methyl	0.53	U	ng/L	P425530	LCS
		Pendimethalin	0.97	U	ng/L	P425530	
		Phenytion**	3.4	UJ	ng/L	P425530	
		Phorate	0.51	U	ng/L	P425530	
		Prodiamine	0.17	U	ng/L	P425530	
		Prometon	0.87	U	ng/L	P425530	
		Prometryn	0.19	U	ng/L	P425530	
		Pronamide	0.14	U	ng/L	P425530	
		Propanil	0.12	U	ng/L	P425530	
		Propargite	1.4	U	ng/L	P425530	
		Propiconazole	0.48	U	ng/L	P425530	
		Pyraflufen Ethyl	0.24	U	ng/L	P425530	
		Pyridaben	0.43	U	ng/L	P425530	
		Pyriproxyfen	0.12	U	ng/L	P425530	
		Simazine	0.48	U	ng/L	P425530	
		Stiropfos	0.12	U	ng/L	P425530	
		Sulfentrazone	0.48	U	ng/L	P425530	MS, RPD
		Tebuconazole	0.48	U	ng/L	P425530	
		Terbufos	0.097	U	ng/L	P425530	
		Terbutylazine	0.41	U	ng/L	P425530	
		Thiobencarb	0.58	U	ng/L	P425530	
2385866	EPA 8321B	Triadimefon	0.24	U	ng/L	P425530	
		2,4-D	0.0020	U	ug/L	P425592	
		Acesulfame K	0.10	U	ug/L	P425414	
		2,4,5-T	0.0040	U	ug/L	P425592	
		AMPA	0.10	U	ug/L	P425414	
		Acetaminophen	0.0080	U	ug/L	P425592	
		Acetamiprid	0.0020	U	ug/L	P425592	
		Endothall	0.25	U	ug/L	P425414	
		Glufosinate	0.10	U	ug/L	P425414	
		Glyphosate	0.10	U	ug/L	P425414	
		Afidopyropen	0.0020	U	ug/L	P425592	
		Bentazon	8.0E-04	U	ug/L	P425592	
		Sucralose	0.026	I	ug/L	P425414	
		Benzovindiflupyr	0.0020	U	ug/L	P425592	
		Carbamazepine	8.0E-04	U	ug/L	P425592	
		Clothianidin	0.0020	U	ug/L	P425592	
		Dinotefuran	0.0020	U	ug/L	P425592	
		Diuron	0.0020	U	ug/L	P425592	
		Fenuron	0.032	U	ug/L	P425592	
		Fluridone	8.0E-04	U	ug/L	P425592	
		Imazapyr	0.052		ug/L	P425592	
		Hydrocodone	0.0020	U	ug/L	P425592	
		Ibuprofen	0.080	U	ug/L	P425592	
		Imidacloprid	0.0020	U	ug/L	P425592	

Field ID: 21030071

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385866	EPA 8321B	Linuron	0.0040	U	ug/L	P425592	
		Mandestrobin	0.0020	U	ug/L	P425592	
		MCPP	0.0020	U	ug/L	P425592	
		Naproxen	0.0080	U	ug/L	P425592	RPD
		Primidone	0.0040	U	ug/L	P425592	
		Pyraclostrobin	0.0020	U	ug/L	P425592	
		Silvex	0.0040	U	ug/L	P425592	
		Thiamethoxam	0.0020	U	ug/L	P425592	
		Tolfenpyrad	0.0020	U	ug/L	P425592	
		Triclopyr	0.0040	U	ug/L	P425592	

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

Collection Date/Time: 02/07/2023 12:50

Field ID: FB_02072023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385854	EPA 8321B	Aldicarb	0.020	U	ug/L	P425593	
		Aldicarb Sulfone	0.0020	U	ug/L	P425593	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P425593	
		Carbaryl	0.0020	U	ug/L	P425593	
		Carbofuran	0.0020	U	ug/L	P425593	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P425593	
		Methiocarb	0.0020	U	ug/L	P425593	
		Methomyl	0.0020	U	ug/L	P425593	
		Oxamyl	0.0020	U	ug/L	P425593	
		Propoxur	0.0020	U	ug/L	P425593	
2385857	EPA 8270E	Aldrin	0.68	U	ng/L	P425547	
		Alpha-BHC	0.10	UJ	ng/L	P425547	LCS, MS
		Alpha-Chlordane	0.21	U	ng/L	P425547	
		PCB-1016	2.1	U	ng/L	P425547	
		Beta-BHC	0.10	U	ng/L	P425547	
		PCB-1221	2.1	U	ng/L	P425547	
		Beta-Cyfluthrin	1.3	U	ng/L	P425547	
		PCB-1232	2.1	U	ng/L	P425547	
		Bifenthrin	0.52	U	ng/L	P425547	
		PCB-1242	2.1	U	ng/L	P425547	
		PCB-1248	2.1	U	ng/L	P425547	
		Chlorothalonil	3.8	U	ng/L	P425547	
		PCB-1254	2.1	U	ng/L	P425547	
		Cis-Nonachlor	0.21	U	ng/L	P425547	
		PCB-1260	2.1	U	ng/L	P425547	
		Cypermethrin	1.6	U	ng/L	P425547	
		Dacthal	0.16	U	ng/L	P425547	
		DDD-p,p'	0.26	U	ng/L	P425547	
		DDE-p,p'	0.21	U	ng/L	P425547	
		DDT-p,p'	0.37	I	ng/L	P425547	MS
		Delta-BHC	0.42	U	ng/L	P425547	
		Deltamethrin	1.3	U	ng/L	P425547	
		Dichlobenil	0.26	U	ng/L	P425547	
		Dicofol	1.3	U	ng/L	P425547	
		Dieldrin	0.42	U	ng/L	P425547	
		Endosulfan I	0.42	U	ng/L	P425547	MS
		Endosulfan II	0.42	U	ng/L	P425547	
		Endosulfan Sulfate	0.31	U	ng/L	P425547	
		Endrin	0.42	U	ng/L	P425547	
		Endrin Aldehyde	0.79	U	ng/L	P425547	
		Endrin Ketone	0.42	U	ng/L	P425547	
		Esfenvalerate	0.79	U	ng/L	P425547	
		Ethalfuralin	0.16	U	ng/L	P425547	
		Fenpropathrin	0.26	U	ng/L	P425547	

Field ID: FB_02072023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes	
2385857	EPA 8270E	Gamma-BHC	0.13	UJ	ng/L	P425547	LCS	
		Gamma-Chlordane	0.21	U	ng/L	P425547		
		Heptachlor	0.21	U	ng/L	P425547		
		Heptachlor Epoxide	0.26	U	ng/L	P425547		
		Hexachlorobenzene**	1.0	U	ng/L	P425547		
		Kepone	5.2	U	ng/L	P425547		
		Lambda-Cyhalothrin	0.79	U	ng/L	P425547		
		Methoprene	0.79	U	ng/L	P425547		
		Methoxychlor	0.31	U	ng/L	P425547		
		MGK-264	0.21	U	ng/L	P425547		
		Mirex	0.37	U	ng/L	P425547		
		Oxychlordane	0.31	U	ng/L	P425547		
		Permethrin	1.7	U	ng/L	P425547		
		Phenothrin	0.94	U	ng/L	P425547		
		Piperonyl Butoxide	0.16	U	ng/L	P425547		
		Prallethrin	2.1	U	ng/L	P425547		
		Tau-Fluvalinate	0.26	U	ng/L	P425547		
		Tetramethrin	0.79	U	ng/L	P425547		
		Trans-Nonachlor	0.21	U	ng/L	P425547		
		Triclosan Methyl	0.16	U	ng/L	P425547		
		Trifluralin	0.21	U	ng/L	P425547		
		EPA 8276	Chlordane	2.1	U	ng/L		P425547
			Toxaphene	16	U	ng/L		P425547
2385858	EPA 8270E	Oxybenzone**	9.5	U	ng/L	P425530	RPD	
		Acetochlor	0.24	U	ng/L	P425530		
		Octinoxate**	19	U	ng/L	P425530		
		Alachlor	0.24	U	ng/L	P425530		
		Avobenzone**	95	U	ng/L	P425530		
		Ametryn	0.57	U	ng/L	P425530		
		Atrazine	0.24	U	ng/L	P425530		
		PBDE-47**	3.8	U	ng/L	P425530		
		Atrazine Desethyl	1.4	U	ng/L	P425530		
		PBDE-99**	4.8	U	ng/L	P425530		
		Azinphos Methyl	1.9	U	ng/L	P425530		
		Tri-o-cresyl Phosphate**	5.7	U	ng/L	P425530		
		Azoxystrobin	0.48	U	ng/L	P425530		
		Bromacil	0.48	U	ng/L	P425530		
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	11	U	ng/L	P425530		
		Butylate	0.38	U	ng/L	P425530		
		Dechlorane Plus**	29	U	ng/L	P425530		
		Caffeine**	7.1	U	ng/L	P425530		
		Carbophenothion	0.19	U	ng/L	P425530		
		Carfentrazone Ethyl	0.095	U	ng/L	P425530		
		Chlorfenapyr	0.17	U	ng/L	P425530		

Field ID: FB_02072023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385858	EPA 8270E	Chlorpyrifos Ethyl	0.24	U	ng/L	P425530	
		Chlorpyrifos Methyl	0.048	U	ng/L	P425530	
		Coumaphos	0.48	U	ng/L	P425530	RPD
		Cyanazine	3.1	UJ	ng/L	P425530	LCS, MS
		Cyprodinil	0.095	U	ng/L	P425530	
		Demeton	1.4	U	ng/L	P425530	
		Diazinon	0.12	U	ng/L	P425530	
		Difenoconazole	0.57	U	ng/L	P425530	RPD
		Dimethenamid	0.095	U	ng/L	P425530	MS, RPD
		Dimethomorph	0.17	U	ng/L	P425530	
		Disulfoton	0.48	U	ng/L	P425530	
		Dithiopyr	0.60	U	ng/L	P425530	
		EPTC	1.2	U	ng/L	P425530	
		Ethion	0.14	U	ng/L	P425530	MS, RPD
		Ethoprop	0.095	U	ng/L	P425530	
		Etridiazole	0.14	U	ng/L	P425530	RPD
		Fenamiphos	0.48	U	ng/L	P425530	
		Fenbuconazole	0.12	U	ng/L	P425530	
		Fipronil	0.24	U	ng/L	P425530	
		Fipronil Desulfinyl**	0.12	U	ng/L	P425530	
		Fipronil Sulfide	0.14	U	ng/L	P425530	
		Fipronil Sulfone	0.14	U	ng/L	P425530	
		Fluazifop-P-butyl	0.095	U	ng/L	P425530	
		Fludioxonil	0.12	U	ng/L	P425530	
		Flumioxazin	4.3	U	ng/L	P425530	RPD
		Flutolanil	0.095	U	ng/L	P425530	
		Fluxapyroxad	0.095	U	ng/L	P425530	MS, RPD
		Fonofos	0.19	U	ng/L	P425530	
		Hexazinone	0.48	U	ng/L	P425530	
		Imazalil	0.71	U	ng/L	P425530	
		Iprodione	0.57	U	ng/L	P425530	
		Loratadine**	0.33	UJ	ng/L	P425530	LCS
		Malathion	0.33	U	ng/L	P425530	
		Metalaxyl	0.71	U	ng/L	P425530	
		Metolachlor	0.33	U	ng/L	P425530	
		Metribuzin	1.4	U	ng/L	P425530	
		Mevinphos	1.0	U	ng/L	P425530	
		Molinate	0.29	U	ng/L	P425530	
		Myclobutanil	0.24	U	ng/L	P425530	
		Naled	1.4	U	ng/L	P425530	
		Napropamide	0.38	U	ng/L	P425530	MS, RPD
		Norflurazon	0.48	U	ng/L	P425530	
		Oxadiazon	0.29	U	ng/L	P425530	
		Oxyfluorfen	0.14	U	ng/L	P425530	
		Parathion Ethyl	0.24	U	ng/L	P425530	

Field ID: FB_02072023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2385858	EPA 8270E	Parathion Methyl	0.52	U	ng/L	P425530	
		Pendimethalin	0.95	U	ng/L	P425530	
		Phenytion**	3.3	UJ	ng/L	P425530	LCS
		Phorate	0.50	U	ng/L	P425530	
		Prodiamine	0.17	U	ng/L	P425530	
		Prometon	0.86	U	ng/L	P425530	
		Prometryn	0.19	U	ng/L	P425530	
		Pronamide	0.14	U	ng/L	P425530	
		Propanil	0.12	U	ng/L	P425530	
		Propargite	1.4	U	ng/L	P425530	
		Propiconazole	0.48	U	ng/L	P425530	
		Pyraflufen Ethyl	0.24	U	ng/L	P425530	
		Pyridaben	0.43	U	ng/L	P425530	
		Pyriproxyfen	0.12	U	ng/L	P425530	
		Simazine	0.48	U	ng/L	P425530	
		Stiophos	0.12	U	ng/L	P425530	
		Sulfentrazone	0.48	U	ng/L	P425530	
		Tebuconazole	0.48	U	ng/L	P425530	MS, RPD
		Terbufos	0.095	U	ng/L	P425530	
		Terbutylazine	0.41	U	ng/L	P425530	
		Thiobencarb	0.57	U	ng/L	P425530	
		Triadimefon	0.24	U	ng/L	P425530	
2386039	EPA 8321B	2,4-D	0.0020	U	ug/L	P425592	
		Acesulfame K	0.10	U	ug/L	P425585	
		2,4,5-T	0.0040	U	ug/L	P425592	
		AMPA	0.10	U	ug/L	P425585	
		Acetaminophen	0.0080	U	ug/L	P425592	
		Acetamiprid	0.0020	U	ug/L	P425592	
		Endothall	0.25	U	ug/L	P425585	MS
		Glufosinate	0.10	U	ug/L	P425585	
		Glyphosate	0.10	U	ug/L	P425585	
		Afidopyropen	0.0020	U	ug/L	P425592	
		Bentazon	8.0E-04	U	ug/L	P425592	
		Sucralose	0.010	U	ug/L	P425585	
		Benzovindiflupyr	0.0020	U	ug/L	P425592	
		Carbamazepine	8.0E-04	UJ	ug/L	P425592	CCV
		Clothianidin	0.0020	U	ug/L	P425592	
		Dinotefuran	0.0020	U	ug/L	P425592	
		Diuron	0.0020	U	ug/L	P425592	
		Fenuron	0.032	U	ug/L	P425592	
		Fluridone	8.0E-04	U	ug/L	P425592	
		Imazapyr	0.0040	U	ug/L	P425592	
		Hydrocodone	0.0020	U	ug/L	P425592	
		Ibuprofen	0.080	U	ug/L	P425592	
		Imidacloprid	0.0020	U	ug/L	P425592	

Field ID: FB_02072023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2386039	EPA 8321B	Linuron	0.0040	U	ug/L	P425592	RPD
		Mandestrobin	0.0020	U	ug/L	P425592	
		MCPP	0.0020	U	ug/L	P425592	
		Naproxen	0.0080	U	ug/L	P425592	
		Primidone	0.0040	U	ug/L	P425592	
		Pyraclostrobin	0.0020	U	ug/L	P425592	
		Silvex	0.0040	U	ug/L	P425592	
		Thiamethoxam	0.0020	U	ug/L	P425592	
		Tolfenpyrad	0.0020	U	ug/L	P425592	
		Triclopyr	0.0040	U	ug/L	P425592	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for atrazine and atrazine desethyl 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.
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P425557

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P425559

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P425591

Component	Result	Code	Units
Calcium	0.075	U	mg/L
Chromium	1.0	U	ug/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Potassium	0.30	U	mg/L
Sodium	0.50	U	mg/L
Strontium	2.0	U	ug/L
Tin	3.0	U	ug/L
Titanium	0.75	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P425591

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Barium	0.20	U	ug/L
Beryllium	0.010	U	ug/L
Boron	2.0	U	ug/L
Cadmium	0.020	U	ug/L
Cobalt	0.020	U	ug/L
Copper	0.40	U	ug/L
Lead	0.20	U	ug/L
Manganese	0.10	U	ug/L
Molybdenum	0.15	U	ug/L
Nickel	0.50	U	ug/L
Selenium	0.20	U	ug/L
Silver	0.010	U	ug/L
Thallium	0.10	U	ug/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426093

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426096

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426105

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425573

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P425773

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425759

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

Reference Method: EPA 8270E
Batch ID: P425530

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.25	U	ng/L
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425530

Component	Result	Code	Units
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	1.5	U	ng/L
Demeton	1.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.62	U	ng/L
Dithiopyr	0.62	U	ng/L
EPTC	1.2	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Ethoprop	0.10	U	ng/L
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfide	0.15	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425530

Component	Result	Code	Units
Fipronil Sulfone	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.12	U	ng/L
Fludioxonil	0.12	U	ng/L
Flumioxazin	4.5	U	ng/L
Flumioxazin	4.5	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fonofos	0.20	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.75	U	ng/L
Imazalil	0.75	U	ng/L
Iprodione	0.60	U	ng/L
Iprodione	0.60	U	ng/L
Loratadine	0.35	U	ng/L
Loratadine	0.35	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.75	U	ng/L
Metalaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	1.5	U	ng/L
Metribuzin	1.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.30	U	ng/L
Molinate	0.30	U	ng/L
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Napropamide	0.40	U	ng/L
Napropamide	0.40	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Ethyl	0.25	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425530

Component	Result	Code	Units
Parathion Methyl	0.55	U	ng/L
Parathion Methyl	0.55	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytol	3.5	U	ng/L
Phenytol	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiatone	0.18	U	ng/L
Prodiatone	0.18	U	ng/L
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Prometryn	0.20	U	ng/L
Pronamide	0.15	U	ng/L
Pronamide	0.15	U	ng/L
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbutylazine	0.42	U	ng/L
Terbutylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P425547

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
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425547

Component	Result	Code	Units
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	5.0	U	ng/L
Kepone	5.0	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P425547

Component	Result	Code	Units
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: P425547

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: P425414

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: P425585

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: P425592

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L

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Method Blank Results

Reference Method: EPA 8321B

Batch ID: P425592

Component	Result	Code	Units
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: P425593

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: P425849

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

Reference Method: SM 2540 C-2015

Batch ID: P426111

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015

Batch ID: P426004

Component	Result	Code	Units
TSS	2	U	mg/L

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Method Blank Results

Reference Method: SM 4500-F- C-2011
Batch ID: P425853

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P425680

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: P425557

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	103		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P425559

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P425591

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	99.7		P	85 - 115
Chromium	100		P	85 - 115
Iron	105		P	85 - 115
Magnesium	99.6		P	85 - 115
Potassium	103		P	85 - 115
Sodium	103		P	85 - 115
Strontium	104		P	85 - 115
Tin	101		P	85 - 115
Titanium	102		P	85 - 115
Vanadium	100		P	85 - 115
Zinc	103		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P425591

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	104		P	85 - 115
Antimony	104		P	85 - 115
Arsenic	104		P	85 - 115
Barium	105		P	85 - 115
Beryllium	95.6		P	85 - 115
Boron	107		P	85 - 115
Cadmium	105		P	85 - 115
Cobalt	101		P	85 - 115
Copper	103		P	85 - 115
Lead	97.5		P	85 - 115
Manganese	103		P	85 - 115
Molybdenum	104		P	85 - 115
Nickel	103		P	85 - 115
Selenium	102		P	85 - 115
Silver	102		P	85 - 115
Thallium	100		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426093

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426096

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426105

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.4		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425573

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P425773

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425759

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

Reference Method: EPA 8270E
Batch ID: P425530

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	75.9		P	42 - 162
Acetochlor	95.1		P	67 - 124
Alachlor	89.5		P	60 - 120
Ametryn	100		P	54 - 216
Atrazine	97.7		P	66 - 128
Atrazine Desethyl	103		P	15 - 122
Avobenzone	91.1		P	40 - 203
Azinphos Methyl	121		P	40 - 292
Azoxystrobin	113		P	35 - 220
Bromacil	95.0		P	45 - 127
Butylate	62.6		P	20 - 83.0
Caffeine	78.5		P	10 - 194
Carbophenothion	113		P	57 - 127
Carfentrazone Ethyl	117		P	51 - 141
Chlorfenapyr	96.8		P	46 - 111
Chlorpyrifos Ethyl	91.5		P	52 - 120
Chlorpyrifos Methyl	110		P	63 - 119
Coumaphos	105		P	10 - 228
Cyanazine	323		F	59 - 241
Cyprodinil	120		P	47 - 146
Dechlorane Plus	84.3		P	47 - 182
Demeton	89.3		P	40 - 136

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P425530

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Diazinon	97.5		P	69 - 132
Difenoconazole	124		P	57 - 258
Dimethenamid	79.8		P	54 - 110
Dimethomorph	173		P	28 - 210
Disulfoton	102		P	43 - 133
Dithiopyr	96.4		P	39 - 116
EPTC	61.0		P	20 - 78.0
Ethion	37.7		P	17 - 119
Ethoprop	93.9		P	66 - 120
Etridiazole	70.0		P	28 - 96.0
Fenamiphos	96.8		P	41 - 126
Fenbuconazole	110		P	42 - 169
Fipronil	123		P	61 - 132
Fipronil Desulfinyl	116		P	56 - 132
Fipronil Sulfide	93.8		P	48 - 119
Fipronil Sulfone	112		P	42 - 131
Fluazifop-P-butyl	99.6		P	53 - 131
Fludioxonil	99.2		P	56 - 127
Flumioxazin	119		P	19 - 300
Flutolanil	105		P	41 - 127
Fluxapyroxad	77.3		P	42 - 172
Fonofos	90.5		P	59 - 113
Hexazinone	87.2		P	66 - 122
Imazalil	85.1		P	21 - 283
Iprodione	109		P	43 - 150
Loratadine	203		F	23 - 201
Malathion	91.1		P	58 - 136
Metaxyl	103		P	55 - 120
Metolachlor	97.8		P	57 - 121
Metribuzin	103		P	58 - 294
Mevinphos	81.4		P	50 - 126
Molinate	70.9		P	42 - 93.0
Myclobutanil	94.4		P	55 - 125
Naled	111		P	18 - 200
Napropamide	65.5		P	39 - 110
Norflurazon	95.1		P	48 - 128
Octinoxate	73.4		P	26 - 166
Oxadiazon	93.9		P	43 - 112
Oxybenzone	69.3		P	49 - 135
Oxyfluorfen	113		P	64 - 153
Parathion Ethyl	84.5		P	69 - 114
Parathion Methyl	106		P	79 - 139
PBDE-47	70.0		P	41 - 148
PBDE-99	68.4		P	38 - 147
Pendimethalin	87.6		P	50 - 139
Phenytol	4.28		F	10 - 146
Phorate	95.7		P	54 - 161
Prodiamine	42.3		P	30 - 161
Prometon	85.0		P	45 - 134
Prometryn	92.4		P	45 - 137
Pronamide	90.0		P	65 - 133
Propanil	93.7		P	49 - 142

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P425530

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Propargite	63.5		P	10 - 203
Propiconazole	105		P	38 - 146
Pyraflufen Ethyl	106		P	34 - 153
Pyridaben	134		P	12 - 192
Pyriproxyfen	74.6		P	33 - 180
Simazine	91.7		P	51 - 157
Stirophos	66.1		P	10 - 128
Sulfentrazone	69.1		P	53 - 186
Tebuconazole	46.1		P	10 - 133
Terbufos	111		P	65 - 139
Terbuthylazine	82.1		P	66 - 117
Thiobencarb	80.0		P	51 - 119
Tri-o-cresyl Phosphate	71.7		P	49 - 150
Triadimefon	81.6		P	48 - 119

Reference Method: EPA 8270E
Batch ID: P425547

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	64.0		P	10 - 92.0
Alpha-BHC	62.7		F	75 - 107
Alpha-Chlordane	74.3		P	50 - 108
Beta-BHC	88.2		P	36 - 138
Beta-Cyfluthrin	69.4		P	20 - 161
Bifenthrin	41.9		P	10 - 119
Chlorothalonil	40.6		P	26 - 186
Cis-Nonachlor	65.8		P	42 - 119
Cypermethrin	63.3		P	22 - 150
Dacthal	82.0		P	72 - 119
DDD-p,p'	53.8		P	45 - 107
DDE-p,p'	53.4		P	48 - 106
DDT-p,p'	62.5		P	48 - 110
Delta-BHC	79.1		P	54 - 140
Deltamethrin	52.1		P	22 - 189
Dichlobenil	63.8		P	36 - 117
Dicofol	56.4		P	46 - 155
Dieldrin	56.8		P	54 - 110
Endosulfan I	59.5		P	59 - 105
Endosulfan II	58.8		P	51 - 118
Endosulfan Sulfate	80.6		P	57 - 121
Endrin	70.1		P	10 - 120
Endrin Aldehyde	54.0		P	34 - 118
Endrin Ketone	76.1		P	69 - 177
Esfenvalerate	45.1		P	23 - 168
Ethalfuralin	53.3		P	49 - 99.0
Fenpropathrin	48.1		P	34 - 117
Gamma-BHC	68.9		F	72 - 117
Gamma-Chlordane	64.1		P	43 - 106
Heptachlor	60.0		P	41 - 98.0
Heptachlor Epoxide	73.4		P	57 - 106
Hexachlorobenzene	66.3		P	36 - 99.0
Kepone	32.0		P	16 - 215

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P425547

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Lambda-Cyhalothrin	43.3		P	21 - 177
Methoprene	52.4		P	10 - 119
Methoxychlor	65.9		P	60 - 112
MGK-264	54.9		P	26 - 122
Mirex	49.6		P	10 - 169
Oxychlordane	54.5		P	43 - 105
PCB-1016	84.9		P	48 - 112
PCB-1260	88.0		P	44 - 118
Permethrin	82.3		P	24 - 148
Phenothrin	48.9		P	10 - 106
Piperonyl Butoxide	74.3		P	10 - 139
Prallethrin	57.1		P	17 - 109
Tau-Fluvalinate	34.4		P	13 - 131
Tetramethrin	63.1		P	10 - 132
Trans-Nonachlor	52.3		P	44 - 106
Triclosan Methyl	82.1		P	59 - 109
Trifluralin	60.9		P	44 - 101

Reference Method: EPA 8276
Batch ID: P425547

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	107		P	61 - 116
Toxaphene	117		P	48 - 124

Reference Method: EPA 8321B
Batch ID: P425414

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	134		P	40 - 150
AMPA	95.3		P	40 - 150
Endothall	98.7		P	40 - 150
Glufosinate	112		P	40 - 150
Glyphosate	92.5		P	40 - 150
Sucralose	137		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P425585

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	96.2		P	40 - 150
AMPA	99.0		P	40 - 150
Endothall	98.4		P	40 - 150
Glufosinate	99.2		P	40 - 150
Glyphosate	98.5		P	40 - 150
Sucralose	96.7		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P425592

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	85.8		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P425592

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4,5-T	77.3		P	40 - 150
Acetaminophen	83.3		P	30 - 150
Acetamiprid	82.1		P	40 - 150
Afidopyropen	61.5		P	30 - 150
Bentazon	91.0		P	30 - 150
Benzovindiflupyr	84.8		P	40 - 150
Carbamazepine	90.7		P	40 - 150
Clothianidin	94.4		P	40 - 150
Dinotefuran	98.8		P	40 - 150
Diuron	75.7		P	40 - 150
Fenuron	96.1		P	40 - 150
Fluridone	80.2		P	40 - 150
Hydrocodone	86.0		P	40 - 150
Ibuprofen	56.8		P	40 - 150
Imazapyr	83.3		P	40 - 150
Imidacloprid	84.3		P	40 - 150
Linuron	76.7		P	40 - 150
Mandestrobin	97.8		P	40 - 150
MCPP	97.5		P	40 - 150
Naproxen	63.2		P	40 - 150
Primidone	89.3		P	40 - 150
Pyraclostrobin	78.3		P	40 - 150
Silvex	72.1		P	40 - 150
Thiamethoxam	82.5		P	40 - 150
Tolfenpyrad	44.6		P	30 - 150
Triclopyr	77.2		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P425593

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	99.3		P	40 - 150
Aldicarb	49.5		P	30 - 150
Aldicarb Sulfone	105		P	40 - 150
Aldicarb Sulfoxide	110		P	40 - 150
Carbaryl	75.1		P	40 - 150
Carbofuran	97.0		P	40 - 150
Methiocarb	63.7		P	40 - 150
Methomyl	107		P	40 - 150
Oxamyl	118		P	40 - 150
Propoxur	73.8		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P425849

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.0		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P426111

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

Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P426111

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	98.9		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P426004

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.5		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P425853

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	102		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P425680

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.2		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P425591

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385859	Calcium	101		P	80 - 120
2385859	Chromium	96.7	98.4	P/P	80 - 120
2385859	Iron	103	103	P/P	80 - 120
2385859	Magnesium	103		P	80 - 120
2385859	Potassium	100	101	P/P	80 - 120
2385859	Sodium	103		P	80 - 120
2385859	Strontium	102	105	P/P	80 - 120
2385859	Tin	98.6	99.1	P/P	80 - 120
2385859	Titanium	98.7	100	P/P	80 - 120
2385859	Vanadium	99.4	101	P/P	80 - 120
2385859	Zinc	101	103	P/P	80 - 120
2385934	Chromium	99.0		P	80 - 120
2385934	Iron	103		P	80 - 120
2385934	Magnesium	101		P	80 - 120
2385934	Potassium	110		P	80 - 120
2385934	Sodium	106		P	80 - 120
2385934	Strontium	104		P	80 - 120
2385934	Tin	98.8		P	80 - 120
2385934	Titanium	103		P	80 - 120
2385934	Zinc	101		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P425591

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385859	Aluminum	101	102	P/P	80 - 120
2385859	Antimony	103	103	P/P	80 - 120
2385859	Arsenic	103	102	P/P	80 - 120
2385859	Barium	105	104	P/P	80 - 120
2385859	Beryllium	93.8	94.5	P/P	80 - 120
2385859	Boron	107	105	P/P	80 - 120
2385859	Cadmium	105	103	P/P	80 - 120
2385859	Cobalt	99.1	98.8	P/P	80 - 120
2385859	Copper	102	102	P/P	80 - 120
2385859	Lead	98.8	98.8	P/P	80 - 120
2385859	Manganese	102	102	P/P	80 - 120
2385859	Molybdenum	104	104	P/P	80 - 120
2385859	Nickel	100	99.6	P/P	80 - 120
2385859	Selenium	102	100	P/P	80 - 120
2385859	Silver	100	98.6	P/P	80 - 120
2385859	Thallium	103	102	P/P	80 - 120
2385934	Aluminum	97.8		P	80 - 120
2385934	Antimony	105		P	80 - 120
2385934	Arsenic	107		P	80 - 120
2385934	Barium	105		P	80 - 120
2385934	Beryllium	88.6		P	80 - 120
2385934	Boron	102		P	80 - 120
2385934	Cadmium	106		P	80 - 120
2385934	Cobalt	102		P	80 - 120
2385934	Copper	100		P	80 - 120
2385934	Lead	98.3		P	80 - 120
2385934	Manganese	104		P	80 - 120

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P425591

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385934	Molybdenum	110		P	80 - 120
2385934	Nickel	105		P	80 - 120
2385934	Selenium	103		P	80 - 120
2385934	Silver	99.7		P	80 - 120
2385934	Thallium	104		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P426093

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385924	Chloride	93.5		P	90 - 110
2385928	Chloride	96.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P426096

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385924	Sulfate	94.6		P	90 - 110
2385928	Sulfate	99.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P426105

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385507	Ammonia-N	101	98.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P425573

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385506	Kjeldahl Nitrogen	100	104	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P425773

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385791	NO2NO3-N	100	99.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P425759

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385703	Total-P	99.5	101	P/P	90 - 110

Reference Method: EPA 8270E

Batch ID: P425530

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385305	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	57.0	72.2	P/P	26 - 165
2385305	Acetochlor	88.6	83.2	P/P	67 - 124
2385305	Alachlor	81.8	75.4	P/P	60 - 120
2385305	Ametryn	122	87.7	P/P	54 - 216

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P425530

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385305	Avobenzone	72.6	81.7	P/P	37 - 178
2385305	Azinphos Methyl	120	111	P/P	40 - 292
2385305	Azoxystrobin	136	112	P/P	35 - 220
2385305	Bromacil	79.4	83.6	P/P	45 - 127
2385305	Butylate	64.4	49.1	P/P	20 - 83.0
2385305	Caffeine	71.2	74.7	P/P	10 - 194
2385305	Carbophenothion	108	109	P/P	57 - 127
2385305	Carfentrazone Ethyl	101	89.5	P/P	51 - 141
2385305	Chlorfenapyr	86.9	69.1	P/P	46 - 111
2385305	Chlorpyrifos Ethyl	83.6	79.9	P/P	52 - 120
2385305	Chlorpyrifos Methyl	108	100	P/P	63 - 119
2385305	Coumaphos	49.7	72.0	P/P	10 - 228
2385305	Cyanazine	179	285	P/F	59 - 241
2385305	Cyprodinil	122	107	P/P	47 - 146
2385305	Dechlorane Plus	76.2	52.2	P/P	50 - 150
2385305	Demeton	121	101	P/P	40 - 136
2385305	Diazinon	99.7	94.4	P/P	69 - 132
2385305	Difenoconazole	77.4	156	P/P	57 - 258
2385305	Dimethenamid	51.5	78.5	F/P	54 - 110
2385305	Dimethomorph	208	191	P/P	28 - 210
2385305	Disulfoton	115	106	P/P	43 - 133
2385305	Dithiopyr	94.4	84.5	P/P	39 - 116
2385305	EPTC	69.3	48.1	P/P	20 - 78.0
2385305	Ethion	14.7	43.6	F/P	17 - 119
2385305	Ethoprop	107	94.6	P/P	66 - 120
2385305	Etridiazole	87.4	55.2	P/P	28 - 96.0
2385305	Fenamiphos	109	98.2	P/P	41 - 126
2385305	Fenbuconazole	82.2	102	P/P	42 - 169
2385305	Fipronil	120	113	P/P	61 - 132
2385305	Fipronil Desulfinyl	110	111	P/P	56 - 132
2385305	Fipronil Sulfide	99.1	93.9	P/P	48 - 119
2385305	Fipronil Sulfone	88.6	73.4	P/P	42 - 131
2385305	Fluazifop-P-butyl	93.7	89.2	P/P	53 - 131
2385305	Fludioxonil	99.5	81.7	P/P	56 - 127
2385305	Flumioxazin	82.6	157	P/P	19 - 300
2385305	Flutolanil	79.3	90.5	P/P	41 - 127
2385305	Fluxapyroxad	31.3	66.8	F/P	42 - 172
2385305	Fonofos	102	83.2	P/P	59 - 113
2385305	Hexazinone	78.9	90.1	P/P	66 - 122
2385305	Imazalil	127	113	P/P	21 - 283
2385305	Iprodione	67.2	89.2	P/P	43 - 150
2385305	Loratadine	175	195	P/P	23 - 201
2385305	Malathion	89.2	82.3	P/P	58 - 136
2385305	Metalaxyl	114	95.6	P/P	55 - 120
2385305	Metolachlor	84.8	83.5	P/P	57 - 121
2385305	Metribuzin	126	89.1	P/P	58 - 294
2385305	Mevinphos	89.0	77.5	P/P	50 - 126
2385305	Molinate	78.1	64.1	P/P	42 - 93.0
2385305	Myclobutanil	113	116	P/P	55 - 125
2385305	Naled	113	98.9	P/P	18 - 200
2385305	Napropamide	9.16	68.2	F/P	39 - 110
2385305	Norflurazon	81.2	89.8	P/P	48 - 128

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P425530

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385305	Octinoxate	61.8	60.8	P/P	21 - 159
2385305	Oxadiazon	81.1	70.8	P/P	43 - 112
2385305	Oxybenzone	63.8	59.4	P/P	41 - 142
2385305	Oxyfluorfen	97.9	111	P/P	64 - 153
2385305	Parathion Ethyl	94.3	82.5	P/P	69 - 114
2385305	Parathion Methyl	112	122	P/P	79 - 139
2385305	PBDE-47	49.5	63.3	P/P	27 - 144
2385305	PBDE-99	48.6	64.0	P/P	18 - 150
2385305	Pendimethalin	105	112	P/P	50 - 139
2385305	Phenytol	19.9	12.4	P/P	10 - 146
2385305	Phorate	110	86.7	P/P	54 - 161
2385305	Prodiamine	56.1	68.4	P/P	30 - 161
2385305	Prometon	75.3	77.0	P/P	45 - 134
2385305	Prometryn	96.0	81.7	P/P	45 - 137
2385305	Pronamide	96.8	90.9	P/P	65 - 133
2385305	Propanil	85.1	87.4	P/P	49 - 142
2385305	Propargite	37.8	57.6	P/P	10 - 203
2385305	Propiconazole	92.3	89.2	P/P	38 - 146
2385305	Pyraflufen Ethyl	86.1	85.5	P/P	34 - 153
2385305	Pyridaben	115	122	P/P	12 - 192
2385305	Pyriproxyfen	40.9	81.4	P/P	33 - 180
2385305	Simazine	119	103	P/P	51 - 157
2385305	Stirophos	40.8	61.3	P/P	10 - 128
2385305	Sulfentrazone	74.7	69.0	P/P	53 - 186
2385305	Tebuconazole	3.58	47.3	F/P	10 - 133
2385305	Terbufos	129	104	P/P	65 - 139
2385305	Terbutylazine	89.9	69.0	P/P	66 - 117
2385305	Thiobencarb	75.6	71.9	P/P	51 - 119
2385305	Tri-o-cresyl Phosphate	62.9	60.2	P/P	31 - 144
2385305	Triadimefon	50.4	64.4	P/P	48 - 119

Reference Method: EPA 8270E

Batch ID: P425547

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385140	Aldrin	74.7	61.5	P/P	20 - 82.0
2385140	Alpha-BHC	74.1	70.2	P/F	71 - 109
2385140	Alpha-Chlordane	75.6	62.8	P/P	42 - 106
2385140	Beta-BHC	102	79.9	P/P	69 - 180
2385140	Beta-Cyfluthrin	112	113	P/P	18 - 175
2385140	Bifenthrin	34.4	38.0	P/P	21 - 128
2385140	Chlorothalonil	183	157	P/P	10 - 300
2385140	Cis-Nonachlor	49.6	49.7	P/P	34 - 106
2385140	Cypermethrin	89.7	85.3	P/P	22 - 158
2385140	Dacthal	66.5	63.7	P/P	54 - 116
2385140	DDD-p,p'	39.3	36.6	P/P	34 - 107
2385140	DDE-p,p'	35.0	35.1	P/P	33 - 110
2385140	DDT-p,p'	48.9	60.4	F/P	50 - 122
2385140	Delta-BHC	103	91.9	P/P	77 - 193
2385140	Deltamethrin	82.3	79.9	P/P	10 - 195
2385140	Dichlobenil	39.7	42.5	P/P	25 - 113
2385140	Dicofol	57.2	61.8	P/P	38 - 247

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P425547

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385140	Dieldrin	62.3	68.6	P/P	45 - 118
2385140	Endosulfan I	51.2	47.0	P/F	51 - 106
2385140	Endosulfan II	39.0	37.3	P/P	37 - 122
2385140	Endosulfan Sulfate	91.9	102	P/P	43 - 132
2385140	Endrin	50.5	47.3	P/P	29 - 101
2385140	Endrin Aldehyde	47.0	41.8	P/P	19 - 110
2385140	Endrin Ketone	66.7	69.3	P/P	60 - 140
2385140	Esfenvalerate	74.6	72.9	P/P	26 - 199
2385140	Ethalfuralin	57.1	51.9	P/P	45 - 99.0
2385140	Fenpropathrin	47.3	52.8	P/P	35 - 120
2385140	Gamma-BHC	75.0	71.2	P/P	63 - 128
2385140	Gamma-Chlordane	53.8	44.4	P/P	40 - 104
2385140	Heptachlor	55.8	48.2	P/P	36 - 97.0
2385140	Heptachlor Epoxide	70.8	61.5	P/P	49 - 184
2385140	Hexachlorobenzene	61.9	56.4	P/P	39 - 96.0
2385140	Kepone	25.5	21.6	P/P	10 - 217
2385140	Lambda-Cyhalothrin	61.0	64.6	P/P	21 - 193
2385140	Methoprene	64.8	54.1	P/P	20 - 106
2385140	Methoxychlor	69.9	81.1	P/P	53 - 118
2385140	MGK-264	45.5	52.3	P/P	40 - 118
2385140	Mirex	37.4	42.6	P/P	26 - 92.0
2385140	Oxychlordane	51.9	44.0	P/P	44 - 99.0
2385140	Permethrin	105	111	P/P	33 - 182
2385140	Phenothrin	60.9	59.5	P/P	10 - 129
2385140	Piperonyl Butoxide	73.3	78.6	P/P	10 - 211
2385140	Prallethrin	52.7	46.5	P/P	24 - 113
2385140	Tau-Fluvalinate	69.8	67.0	P/P	14 - 149
2385140	Tetramethrin	64.3	66.9	P/P	17 - 151
2385140	Trans-Nonachlor	55.3	52.8	P/P	42 - 102
2385140	Triclosan Methyl	78.1	64.4	P/P	48 - 108
2385140	Trifluralin	53.1	52.9	P/P	47 - 96.0
2385998	PCB-1016	87.9	85.5	P/P	46 - 111
2385998	PCB-1260	84.0	87.4	P/P	45 - 114

Reference Method: EPA 8276
Batch ID: P425547

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385998	Chlordane	104	106	P/P	53 - 126
2385998	Toxaphene	126	123	P/P	56 - 211

Reference Method: EPA 8321B
Batch ID: P425414

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385040	Acesulfame K	91.0	86.9	P/P	40 - 150
2385040	AMPA	91.5	95.2	P/P	40 - 150
2385040	Endothall	101	107	P/P	40 - 150
2385040	Glufosinate	110	91.9	P/P	40 - 150
2385040	Glyphosate	104	100	P/P	40 - 150
2385040	Sucralose	134	134	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P425585

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2386143	Acesulfame K	77.6	79.3	P/P	40 - 150
2386143	AMPA	95.2	101	P/P	40 - 150
2386143	Endothall	153	152	F/F	40 - 150
2386143	Glufosinate	117	116	P/P	40 - 150
2386143	Glyphosate	126	133	P/P	40 - 150
2386143	Sucralose	62.3	65.5	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P425592

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385435	2,4-D	127	98.5	P/P	40 - 150
2385435	2,4,5-T	111	106	P/P	40 - 150
2385435	Acetaminophen	107	96.4	P/P	30 - 150
2385435	Acetamiprid	96.2	106	P/P	40 - 150
2385435	Afidopyropen	65.1	73.9	P/P	30 - 150
2385435	Bentazon	91.0	88.0	P/P	30 - 150
2385435	Benzovindiflupyr	98.2	92.0	P/P	40 - 150
2385435	Carbamazepine	86.9	84.5	P/P	40 - 150
2385435	Clothianidin	125	116	P/P	40 - 150
2385435	Dinotefuran	122	116	P/P	40 - 150
2385435	Diuron	71.9	65.6	P/P	40 - 150
2385435	Fenuron	87.7	85.7	P/P	40 - 150
2385435	Fluridone	83.6	71.6	P/P	40 - 150
2385435	Hydrocodone	112	102	P/P	40 - 150
2385435	Ibuprofen	79.3	81.3	P/P	40 - 150
2385435	Imazapyr	122	113	P/P	40 - 150
2385435	Imidacloprid	149	131	P/P	40 - 150
2385435	Linuron	96.3	73.0	P/P	40 - 150
2385435	Mandestrobin	111	105	P/P	40 - 150
2385435	MCPP	123	116	P/P	40 - 150
2385435	Naproxen	126	78.6	P/P	40 - 150
2385435	Primidone	114	104	P/P	40 - 150
2385435	Pyraclostrobin	94.3	86.2	P/P	40 - 150
2385435	Silvex	86.5	83.6	P/P	40 - 150
2385435	Thiamethoxam	118	111	P/P	40 - 150
2385435	Tolfenpyrad	57.2	49.7	P/P	30 - 150
2385435	Triclopyr	88.3	82.2	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P425593

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2386372	3-Hydroxycarbofuran	131	125	P/P	40 - 150
2386372	Aldicarb	60.5	58.5	P/P	30 - 150
2386372	Aldicarb Sulfone	108	110	P/P	40 - 150
2386372	Aldicarb Sulfoxide	76.9	73.3	P/P	40 - 150
2386372	Carbaryl	73.0	73.9	P/P	40 - 150
2386372	Carbofuran	86.0	83.1	P/P	40 - 150
2386372	Methiocarb	76.5	57.3	P/P	40 - 150
2386372	Methomyl	107	95.5	P/P	40 - 150
2386372	Oxamyl	124	112	P/P	40 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P425593

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2386372	Propoxur	63.4	60.4	P/P	40 - 150

Reference Method: SM 4500-F- C-2011
Batch ID: P425853

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385842	Fluoride	101	102	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P425680

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2385792	Organic Carbon	95.2	97.8	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P425557

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385788	Color (true)	1.32	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P425559

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385501	Turbidity	1.28	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P425591

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385859	Calcium	1.67	Spike	P	0 - 20
2385859	Chromium	1.74	Spike	P	0 - 20
2385859	Iron	0.289	Spike	P	0 - 20
2385859	Magnesium	0.521	Spike	P	0 - 20
2385859	Potassium	0.711	Spike	P	0 - 20
2385859	Sodium	1.36	Spike	P	0 - 20
2385859	Strontium	2.86	Spike	P	0 - 20
2385859	Tin	0.485	Spike	P	0 - 20
2385859	Titanium	1.59	Spike	P	0 - 20
2385859	Vanadium	1.54	Spike	P	0 - 20
2385859	Zinc	2.28	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P425591

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385859	Aluminum	1.02	Spike	P	0 - 20
2385859	Antimony	0.250	Spike	P	0 - 20
2385859	Arsenic	0.640	Spike	P	0 - 20
2385859	Barium	0.932	Spike	P	0 - 20
2385859	Beryllium	0.691	Spike	P	0 - 20
2385859	Boron	1.63	Spike	P	0 - 20
2385859	Cadmium	1.07	Spike	P	0 - 20
2385859	Cobalt	0.294	Spike	P	0 - 20
2385859	Copper	0.0452	Spike	P	0 - 20
2385859	Lead	0.0453	Spike	P	0 - 20
2385859	Manganese	0.216	Spike	P	0 - 20
2385859	Molybdenum	0.0313	Spike	P	0 - 20
2385859	Nickel	0.419	Spike	P	0 - 20
2385859	Selenium	1.62	Spike	P	0 - 20
2385859	Silver	1.66	Spike	P	0 - 20
2385859	Thallium	0.277	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426093

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385924	Chloride	3.43	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P426096

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385924	Sulfate	3.25	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P426105

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385507	Ammonia-N	2.47	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425573

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385506	Kjeldahl Nitrogen	3.66	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P425773

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385791	NO2NO3-N	0.272	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P425759

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385703	Total-P	0.922	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P425530

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385305	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	23.6	Spike	P	0 - 37
2385305	Acetochlor	6.29	Spike	P	0 - 28
2385305	Alachlor	8.17	Spike	P	0 - 30
2385305	Ametryn	17.9	Spike	P	0 - 32
2385305	Atrazine	22.4	Spike	P	0 - 41
2385305	Atrazine Desethyl	19.8	Spike	P	0 - 36
2385305	Avobenzone	11.7	Spike	P	0 - 36
2385305	Azinphos Methyl	8.00	Spike	P	0 - 75
2385305	Azoxystrobin	19.6	Spike	P	0 - 39

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P425530

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385305	Bromacil	5.16	Spike	P	0 - 33
2385305	Butylate	27.1	Spike	P	0 - 44
2385305	Caffeine	4.66	Spike	P	0 - 74
2385305	Carbophenothion	0.877	Spike	P	0 - 25
2385305	Carfentrazone Ethyl	12.1	Spike	P	0 - 27
2385305	Chlorfenapyr	22.8	Spike	P	0 - 24
2385305	Chlorpyrifos Ethyl	4.47	Spike	P	0 - 26
2385305	Chlorpyrifos Methyl	7.85	Spike	P	0 - 26
2385305	Coumaphos	36.5	Spike	F	0 - 28
2385305	Cyanazine	46.0	Spike	P	0 - 48
2385305	Cyprodinil	12.9	Spike	P	0 - 29
2385305	Dechlorane Plus	37.3	Spike	F	0 - 30
2385305	Demeton	17.5	Spike	P	0 - 33
2385305	Diazinon	5.53	Spike	P	0 - 29
2385305	Difenoconazole	67.6	Spike	F	0 - 34
2385305	Dimethenamid	41.4	Spike	F	0 - 39
2385305	Dimethomorph	8.16	Spike	P	0 - 51
2385305	Disulfoton	8.36	Spike	P	0 - 30
2385305	Dithiopyr	11.0	Spike	P	0 - 26
2385305	EPTC	36.1	Spike	P	0 - 43
2385305	Ethion	99.0	Spike	F	0 - 79
2385305	Ethoprop	12.1	Spike	P	0 - 29
2385305	Etridiazole	45.2	Spike	F	0 - 33
2385305	Fenamiphos	10.4	Spike	P	0 - 40
2385305	Fenbuconazole	21.7	Spike	P	0 - 74
2385305	Fipronil	6.02	Spike	P	0 - 29
2385305	Fipronil Desulfinyl	0.449	Spike	P	0 - 32
2385305	Fipronil Sulfide	4.06	Spike	P	0 - 30
2385305	Fipronil Sulfone	10.4	Spike	P	0 - 33
2385305	Fluazifop-P-butyl	4.91	Spike	P	0 - 38
2385305	Fludioxonil	19.6	Spike	P	0 - 29
2385305	Flumioxazin	62.2	Spike	F	0 - 51
2385305	Flutolanil	13.2	Spike	P	0 - 25
2385305	Fluxapyroxad	72.4	Spike	F	0 - 45
2385305	Fonofos	20.1	Spike	P	0 - 27
2385305	Hexazinone	13.3	Spike	P	0 - 30
2385305	Imazalil	11.5	Spike	P	0 - 100
2385305	Iprodione	28.1	Spike	P	0 - 33
2385305	Loratadine	11.0	Spike	P	0 - 56
2385305	Malathion	7.98	Spike	P	0 - 37
2385305	Metalaxyl	17.1	Spike	P	0 - 40
2385305	Metolachlor	1.50	Spike	P	0 - 29
2385305	Metribuzin	34.6	Spike	P	0 - 45
2385305	Mevinphos	13.7	Spike	P	0 - 29
2385305	Molinate	19.7	Spike	P	0 - 33
2385305	Myclobutanil	1.27	Spike	P	0 - 26
2385305	Naled	13.5	Spike	P	0 - 37
2385305	Napropamide	153	Spike	F	0 - 44
2385305	Norflurazon	10.0	Spike	P	0 - 30
2385305	Octinoxate	1.56	Spike	P	0 - 45
2385305	Oxadiazon	13.6	Spike	P	0 - 28

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P425530

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385305	Oxybenzone	7.08	Spike	P	0 - 46
2385305	Oxyfluorfen	12.8	Spike	P	0 - 28
2385305	Parathion Ethyl	13.4	Spike	P	0 - 31
2385305	Parathion Methyl	8.70	Spike	P	0 - 29
2385305	PBDE-47	24.5	Spike	P	0 - 36
2385305	PBDE-99	27.4	Spike	P	0 - 40
2385305	Pendimethalin	7.08	Spike	P	0 - 33
2385305	Phenytoin	46.1	Spike	P	0 - 100
2385305	Phorate	23.4	Spike	P	0 - 36
2385305	Prodiamine	19.7	Spike	P	0 - 71
2385305	Prometon	2.19	Spike	P	0 - 36
2385305	Prometryn	16.1	Spike	P	0 - 28
2385305	Pronamide	6.25	Spike	P	0 - 24
2385305	Propanil	2.73	Spike	P	0 - 28
2385305	Propargite	41.4	Spike	P	0 - 43
2385305	Propiconazole	1.91	Spike	P	0 - 33
2385305	Pyraflufen Ethyl	0.663	Spike	P	0 - 29
2385305	Pyridaben	5.60	Spike	P	0 - 30
2385305	Pyriproxyfen	66.2	Spike	P	0 - 79
2385305	Simazine	12.8	Spike	P	0 - 29
2385305	Stiropfos	40.1	Spike	P	0 - 61
2385305	Sulfentrazone	5.35	Spike	P	0 - 33
2385305	Tebuconazole	98.7	Spike	F	0 - 69
2385305	Terbufos	21.1	Spike	P	0 - 29
2385305	Terbuthylazine	26.3	Spike	P	0 - 32
2385305	Thiobencarb	5.03	Spike	P	0 - 26
2385305	Tri-o-cresyl Phosphate	4.29	Spike	P	0 - 33
2385305	Triadimefon	18.4	Spike	P	0 - 28

Reference Method: EPA 8270E
Batch ID: P425547

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385140	Aldrin	19.3	Spike	P	0 - 41
2385140	Alpha-BHC	5.46	Spike	P	0 - 25
2385140	Alpha-Chlordane	18.4	Spike	P	0 - 33
2385140	Beta-BHC	24.6	Spike	P	0 - 36
2385140	Beta-Cyfluthrin	1.05	Spike	P	0 - 42
2385140	Bifenthrin	6.91	Spike	P	0 - 53
2385140	Chlorothalonil	15.1	Spike	P	0 - 71
2385140	Cis-Nonachlor	0.107	Spike	P	0 - 29
2385140	Cypermethrin	5.13	Spike	P	0 - 40
2385140	Dacthal	4.21	Spike	P	0 - 26
2385140	DDD-p,p'	7.10	Spike	P	0 - 39
2385140	DDE-p,p'	0.406	Spike	P	0 - 33
2385140	DDT-p,p'	21.1	Spike	P	0 - 40
2385140	Delta-BHC	11.7	Spike	P	0 - 37
2385140	Deltamethrin	2.97	Spike	P	0 - 100
2385140	Dichlobenil	6.85	Spike	P	0 - 40
2385140	Dicofol	7.82	Spike	P	0 - 31

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P425547

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385140	Dieldrin	9.62	Spike	P	0 - 27
2385140	Endosulfan I	8.57	Spike	P	0 - 23
2385140	Endosulfan II	4.51	Spike	P	0 - 28
2385140	Endosulfan Sulfate	10.9	Spike	P	0 - 38
2385140	Endrin	6.43	Spike	P	0 - 63
2385140	Endrin Aldehyde	11.8	Spike	P	0 - 60
2385140	Endrin Ketone	3.85	Spike	P	0 - 37
2385140	Esfenvalerate	2.31	Spike	P	0 - 52
2385140	Ethalfuralin	9.53	Spike	P	0 - 23
2385140	Fenpropathrin	11.0	Spike	P	0 - 32
2385140	Gamma-BHC	5.25	Spike	P	0 - 17
2385140	Gamma-Chlordane	19.0	Spike	P	0 - 40
2385140	Heptachlor	14.7	Spike	P	0 - 29
2385140	Heptachlor Epoxide	14.0	Spike	P	0 - 25
2385140	Hexachlorobenzene	9.41	Spike	P	0 - 36
2385140	Kepone	16.7	Spike	P	0 - 93
2385140	Lambda-Cyhalothrin	5.62	Spike	P	0 - 55
2385140	Methoprene	18.0	Spike	P	0 - 53
2385140	Methoxychlor	14.9	Spike	P	0 - 29
2385140	MGK-264	13.7	Spike	P	0 - 35
2385140	Mirex	13.0	Spike	P	0 - 46
2385140	Oxychlordane	16.4	Spike	P	0 - 29
2385140	Permethrin	5.35	Spike	P	0 - 44
2385140	Phenothrin	2.29	Spike	P	0 - 56
2385140	Piperonyl Butoxide	6.92	Spike	P	0 - 100
2385140	Prallethrin	12.5	Spike	P	0 - 42
2385140	Tau-Fluvalinate	4.15	Spike	P	0 - 54
2385140	Tetramethrin	3.88	Spike	P	0 - 51
2385140	Trans-Nonachlor	4.73	Spike	P	0 - 37
2385140	Triclosan Methyl	19.2	Spike	P	0 - 31
2385140	Trifluralin	0.305	Spike	P	0 - 30
2385998	PCB-1016	2.77	Spike	P	0 - 32
2385998	PCB-1260	3.94	Spike	P	0 - 31

Reference Method: EPA 8276
Batch ID: P425547

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385998	Chlordane	1.67	Spike	P	0 - 25
2385998	Toxaphene	2.05	Spike	P	0 - 26

Reference Method: EPA 8321B
Batch ID: P425414

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385040	Acesulfame K	4.72	Spike	P	0 - 30
2385040	AMPA	3.73	Spike	P	0 - 30
2385040	Endothall	5.53	Spike	P	0 - 30
2385040	Glufosinate	17.5	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P425414

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385040	Glyphosate	3.57	Spike	P	0 - 30
2385040	Sucralose	0.655	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P425585

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2386143	Acesulfame K	2.19	Spike	P	0 - 30
2386143	AMPA	5.09	Spike	P	0 - 30
2386143	Endothall	1.24	Spike	P	0 - 30
2386143	Glufosinate	0.483	Spike	P	0 - 30
2386143	Glyphosate	5.44	Spike	P	0 - 30
2386143	Sucralose	4.88	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P425592

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385435	2,4-D	18.6	Spike	P	0 - 30
2385435	2,4,5-T	5.22	Spike	P	0 - 30
2385435	Acetaminophen	10.5	Spike	P	0 - 30
2385435	Acetamiprid	9.76	Spike	P	0 - 30
2385435	Afidopyropen	12.6	Spike	P	0 - 30
2385435	Bentazon	3.34	Spike	P	0 - 30
2385435	Benzovindiflupyr	6.57	Spike	P	0 - 30
2385435	Carbamazepine	2.86	Spike	P	0 - 30
2385435	Clothianidin	7.49	Spike	P	0 - 30
2385435	Dinotefuran	5.58	Spike	P	0 - 30
2385435	Diuron	9.24	Spike	P	0 - 30
2385435	Fenuron	2.26	Spike	P	0 - 30
2385435	Fluridone	15.6	Spike	P	0 - 30
2385435	Hydrocodone	9.17	Spike	P	0 - 30
2385435	Ibuprofen	2.45	Spike	P	0 - 30
2385435	Imazapyr	6.55	Spike	P	0 - 30
2385435	Imidacloprid	12.9	Spike	P	0 - 30
2385435	Linuron	27.5	Spike	P	0 - 30
2385435	Mandestrobin	5.39	Spike	P	0 - 30
2385435	MCPP	6.06	Spike	P	0 - 30
2385435	Naproxen	46.1	Spike	F	0 - 30
2385435	Primidone	9.12	Spike	P	0 - 30
2385435	Pyraclostrobin	8.98	Spike	P	0 - 30
2385435	Silvex	3.48	Spike	P	0 - 30
2385435	Thiamethoxam	6.64	Spike	P	0 - 30
2385435	Tolfenpyrad	14.1	Spike	P	0 - 30
2385435	Triclopyr	7.10	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B

Batch ID: P425593

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2386372	3-Hydroxycarbofuran	4.19	Spike	P	0 - 30
2386372	Aldicarb	3.43	Spike	P	0 - 30
2386372	Aldicarb Sulfone	1.66	Spike	P	0 - 30
2386372	Aldicarb Sulfoxide	4.69	Spike	P	0 - 30
2386372	Carbaryl	1.28	Spike	P	0 - 30
2386372	Carbofuran	3.34	Spike	P	0 - 30
2386372	Methiocarb	28.6	Spike	P	0 - 30
2386372	Methomyl	11.3	Spike	P	0 - 30
2386372	Oxamyl	10.1	Spike	P	0 - 30
2386372	Propoxur	4.76	Spike	P	0 - 30

Reference Method: SM 2320 B-2011

Batch ID: P425849

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385842	Total Alkalinity	2.50	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015

Batch ID: P426111

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385790	TDS	7.87	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011

Batch ID: P425853

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385842	Fluoride	0.506	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011

Batch ID: P425680

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2385792	Organic Carbon	1.79	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2385852
Field Sample ID: 21030071

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	45.2	P	30 - 160

Lab Sample ID: 2385853
Field Sample ID: 21030112

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	89.2	P	30 - 160
EPA 8321B	Acetaminophen-d4	98.6	P	30 - 160
EPA 8321B	Carbamazepine-d10	57.2	P	30 - 160
EPA 8321B	Diuron-d6	49.2	P	30 - 160
EPA 8321B	Endothall-d6	87.2	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	80.7	P	30 - 160
EPA 8321B	Ibuprofen-d3	82.4	P	30 - 160
EPA 8321B	Primidone-d5	71.6	P	30 - 160
EPA 8321B	Sucralose-d6	136	P	30 - 160

Lab Sample ID: 2385854
Field Sample ID: FB_02072023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	71.9	P	30 - 160

Lab Sample ID: 2385855
Field Sample ID: 21030071

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	87.8	P	29 - 130
EPA 8270E	Decachlorobiphenyl	52.9	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	71.4	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	55.3	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	57.5	P	30 - 101
EPA 8276	PCNB	91.6	P	48 - 121

Lab Sample ID: 2385856
Field Sample ID: 21030071

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	64.9	P	20 - 200
EPA 8270E	Simazine-d10	91.1	P	62 - 142
EPA 8270E	Terbufos-d10	97.4	P	58 - 132
EPA 8270E	Terphenyl-d14	92.4	P	52 - 137

Lab Sample ID: 2385857
Field Sample ID: FB_02072023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	76.8	P	29 - 130
EPA 8270E	Decachlorobiphenyl	110	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	71.2	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	70.3	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	54.7	P	30 - 101
EPA 8276	PCNB	74.6	P	48 - 121

Quality Assurance Report Surrogates

Lab Sample ID: 2385858

Field Sample ID: FB_02072023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	71.4	P	20 - 200
EPA 8270E	Simazine-d10	108	P	62 - 142
EPA 8270E	Terbufos-d10	100	P	58 - 132
EPA 8270E	Terphenyl-d14	80.4	P	52 - 137

Lab Sample ID: 2385866

Field Sample ID: 21030071

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	81.8	P	30 - 160
EPA 8321B	Acetaminophen-d4	91.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	50.7	P	30 - 160
EPA 8321B	Diuron-d6	44.5	P	30 - 160
EPA 8321B	Endothall-d6	114	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	106	P	30 - 160
EPA 8321B	Ibuprofen-d3	84.0	P	30 - 160
EPA 8321B	Primidone-d5	69.3	P	30 - 160
EPA 8321B	Sucralose-d6	153	P	30 - 160

Lab Sample ID: 2386039

Field Sample ID: FB_02072023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	89.7	P	30 - 160
EPA 8321B	Acetaminophen-d4	87.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	129	P	30 - 160
EPA 8321B	Diuron-d6	90.3	P	30 - 160
EPA 8321B	Endothall-d6	95.8	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	91.0	P	30 - 160
EPA 8321B	Ibuprofen-d3	61.8	P	30 - 160
EPA 8321B	Primidone-d5	95.9	P	30 - 160
EPA 8321B	Sucralose-d6	102	P	30 - 160

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1

Run ID: A117332

Included Lab Sample IDs: 2385842

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	101	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A117333

Included Lab Sample IDs: 2385842

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.5	99.5	P/P	95 - 105

Reference Method: EPA 8321B

Run ID: A117380

Included Lab Sample IDs: 2385853, 2385866

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	120	114	P/P	60 - 160
Acesulfame K	125	120	P/P	60 - 160
Sucralose	131	132	P/P	60 - 160
Sucralose	137	131	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A117382

Included Lab Sample IDs: 2385853, 2385866

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	90.2	90.6	P/P	60 - 160
Endothall	70.1	95.5	P/P	60 - 160
Glufosinate	84.4	87.9	P/P	60 - 160
Glyphosate	93.6	96.1	P/P	60 - 160

Reference Method: SM 5310 B-2011

Run ID: A117394

Included Lab Sample IDs: 2385843

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

Reference Method: EPA 8321B

Run ID: A117405

Included Lab Sample IDs: 2385853, 2385866, 2386039

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	103	103	P/P	50 - 150
2,4-D	103	119	P/P	50 - 150
2,4,5-T	107	85.1	P/P	50 - 150
2,4,5-T	116	107	P/P	50 - 150
Acetaminophen	100	102	P/P	60 - 160
Acetaminophen	102	100	P/P	60 - 160
Acetamiprid	103	104	P/P	50 - 150
Acetamiprid	104	97.9	P/P	50 - 150
Afidopyropen	82.2	90.2	P/P	50 - 150
Afidopyropen	90.2	57.5	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A117405

Included Lab Sample IDs: 2385853, 2385866, 2386039

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Bentazon	112	117	P/P	50 - 160
Bentazon	117	126	P/P	50 - 160
Benzovindiflupyr	106	111	P/P	50 - 150
Benzovindiflupyr	110	106	P/P	50 - 150
Carbamazepine	111	160*	P/F	60 - 150
Carbamazepine	116	111	P/P	60 - 150
Clothianidin	102	108	P/P	60 - 150
Clothianidin	105	102	P/P	60 - 150
Dinotefuran	101	105	P/P	50 - 150
Dinotefuran	104	101	P/P	50 - 150
Diuron	105	113	P/P	60 - 160
Diuron	113	104	P/P	60 - 160
Fenuron	94.3	94.7	P/P	60 - 150
Fenuron	94.7	94.6	P/P	60 - 150
Fluridone	110	113	P/P	60 - 160
Fluridone	84.9	110	P/P	60 - 160
Hydrocodone	105	102	P/P	60 - 150
Hydrocodone	97.7	105	P/P	60 - 150
Ibuprofen	104	95.5	P/P	50 - 160
Ibuprofen	86.0	104	P/P	50 - 160
Imazapyr	92.1	94.9	P/P	50 - 150
Imazapyr	94.9	95.0	P/P	50 - 150
Imidacloprid	88.0	91.0	P/P	60 - 150
Imidacloprid	91.0	92.2	P/P	60 - 150
Linuron	104	97.7	P/P	60 - 150
Linuron	97.7	109	P/P	60 - 150
Mandestrobin	106	107	P/P	50 - 150
Mandestrobin	112	106	P/P	50 - 150
MCPP	110	110	P/P	50 - 150
MCPP	119	110	P/P	50 - 150
Naproxen	108	84.0	P/P	50 - 160
Naproxen	84.0	88.1	P/P	50 - 160
Primidone	97.1	99.2	P/P	60 - 150
Primidone	99.2	100	P/P	60 - 150
Pyraclostrobin	109	108	P/P	60 - 150
Pyraclostrobin	112	109	P/P	60 - 150
Silvex	104	103	P/P	50 - 150
Silvex	114	104	P/P	50 - 150
Thiamethoxam	92.3	93.3	P/P	50 - 150
Thiamethoxam	93.3	95.3	P/P	50 - 150
Tolfenpyrad	104	103	P/P	60 - 150
Tolfenpyrad	106	104	P/P	60 - 150
Triclopyr	93.1	75.7	P/P	50 - 150
Triclopyr	96.7	93.1	P/P	50 - 150

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A117410

Included Lab Sample IDs: 2385843

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	96.0	99.0	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A117416
Included Lab Sample IDs: 2386039

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	96.4	102	P/P	60 - 160
Sucralose	98.6	101	P/P	60 - 160

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A117420
Included Lab Sample IDs: 2385859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Calcium	99.0	98.2	P/P	90 - 110
Chromium	102	102	P/P	90 - 110
Iron	101	99.9	P/P	90 - 110
Magnesium	100	99.0	P/P	90 - 110
Potassium	101	100	P/P	90 - 110
Strontium	106	106	P/P	90 - 110
Tin	104	101	P/P	90 - 110
Titanium	102	101	P/P	90 - 110
Vanadium	101	100	P/P	90 - 110
Zinc	107	105	P/P	90 - 110

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A117421
Included Lab Sample IDs: 2385859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	102	103	P/P	90 - 110
Antimony	103	104	P/P	90 - 110
Arsenic	102	103	P/P	90 - 110
Barium	102	104	P/P	90 - 110
Beryllium	96.5	99.5	P/P	90 - 110
Boron	105	105	P/P	90 - 110
Cadmium	102	103	P/P	90 - 110
Cobalt	98.8	99.0	P/P	90 - 110
Copper	102	102	P/P	90 - 110
Lead	98.5	99.3	P/P	90 - 110
Manganese	102	104	P/P	90 - 110
Molybdenum	101	103	P/P	90 - 110
Nickel	101	101	P/P	90 - 110
Selenium	101	101	P/P	90 - 110
Silver	100	102	P/P	90 - 110
Thallium	99.3	101	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A117424
Included Lab Sample IDs: 2385852, 2385854

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	101	117	P/P	60 - 150
Aldicarb	83.7	95.7	P/P	60 - 150
Aldicarb Sulfone	114	118	P/P	50 - 150
Aldicarb Sulfoxide	110	117	P/P	50 - 150
Carbaryl	111	109	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A117424

Included Lab Sample IDs: 2385852, 2385854

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Carbofuran	137	133	P/P	50 - 150
Methiocarb	90.7	92.2	P/P	50 - 150
Methomyl	104	115	P/P	50 - 150
Oxamyl	118	132	P/P	50 - 150
Propoxur	110	116	P/P	50 - 150

Reference Method: EPA 8321B

Run ID: A117425

Included Lab Sample IDs: 2386039

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	98.7	100	P/P	60 - 160
Endothall	103	63.9	P/P	60 - 160
Glufosinate	93.5	84.5	P/P	60 - 160
Glyphosate	89.9	91.5	P/P	60 - 160

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A117426

Included Lab Sample IDs: 2385842

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.0	97.9	P/P	90 - 110
Sulfate	101	101	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A117428

Included Lab Sample IDs: 2385855, 2385857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	98.9		P	80 - 120
PCB-1260	108		P	80 - 120

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A117432

Included Lab Sample IDs: 2385843

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

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A117439

Included Lab Sample IDs: 2385859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sodium	102	108	P/P	95 - 105

Reference Method: EPA 8270E

Run ID: A117440

Included Lab Sample IDs: 2385856, 2385858

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

Reference Method: EPA 8270E

Run ID: A117440

Included Lab Sample IDs: 2385856, 2385858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	97.3		P	80 - 120
Avobenzone	96.7		P	80 - 120
Dechlorane Plus	95.1		P	80 - 120
Octinoxate	92.2		P	80 - 120
Oxybenzone	94.4		P	80 - 120
PBDE-47	96.2		P	80 - 120
PBDE-99	98.3		P	80 - 120
Tri-o-cresyl Phosphate	95.2		P	80 - 120

Reference Method: SM 2320 B-2011

Run ID: A117452

Included Lab Sample IDs: 2385842

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.8	99.4	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A117452

Included Lab Sample IDs: 2385842

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	101	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A117466

Included Lab Sample IDs: 2385843

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	102	104	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A117509

Included Lab Sample IDs: 2385855, 2385857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	111		P	80 - 120
Alpha-BHC	84.3		P	80 - 120
Alpha-Chlordane	99.9		P	80 - 120
Beta-BHC	101		P	80 - 120
Beta-Cyfluthrin	109		P	80 - 120
Bifenthrin	91.9		P	80 - 120
Chlorothalonil	89.8		P	80 - 120
Cis-Nonachlor	95.9		P	80 - 120
Cypermethrin	115		P	80 - 120
Dacthal	108		P	80 - 120
DDD-p,p'	88.5		P	80 - 120
DDE-p,p'	107		P	80 - 120
DDT-p,p'	103		P	80 - 120
Delta-BHC	95.2		P	80 - 120
Deltamethrin	88.7		P	80 - 120
Dichlobenil	98.5		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A117509

Included Lab Sample IDs: 2385855, 2385857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Dicofol	93.9		P	80 - 120
Dieldrin	111		P	80 - 120
Endosulfan I	113		P	80 - 120
Endosulfan II	113		P	80 - 120
Endosulfan Sulfate	101		P	80 - 120
Endrin	102		P	80 - 120
Endrin Aldehyde	102		P	80 - 120
Endrin Ketone	103		P	80 - 120
Esfenvalerate	87.3		P	80 - 120
Ethalfuralin	110		P	80 - 120
Fenpropathrin	86.4		P	80 - 120
Gamma-BHC	98.7		P	80 - 120
Gamma-Chlordane	98.0		P	80 - 120
Heptachlor	96.2		P	80 - 120
Heptachlor Epoxide	93.1		P	80 - 120
Hexachlorobenzene	108		P	80 - 120
Kepone	91.6		P	80 - 120
Lambda-Cyhalothrin	96.4		P	80 - 120
Methoprene	90.5		P	80 - 120
Methoxychlor	93.0		P	80 - 120
MGK-264	91.9		P	80 - 120
Mirex	103		P	80 - 120
Oxychlordane	92.7		P	80 - 120
Permethrin	91.8		P	80 - 120
Phenothrin	83.8		P	80 - 120
Piperonyl Butoxide	84.8		P	80 - 120
Prallethrin	82.1		P	80 - 120
Tau-Fluvalinate	84.4		P	80 - 120
Tetramethrin	85.3		P	80 - 120
Trans-Nonachlor	103		P	80 - 120
Triclosan Methyl	104		P	80 - 120
Trifluralin	99.0		P	80 - 120

Reference Method: EPA 8276

Run ID: A117513

Included Lab Sample IDs: 2385855, 2385857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	98.9		P	80 - 120
Toxaphene	96.6		P	80 - 120

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A117546

Included Lab Sample IDs: 2385843

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.9	99.6	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A117663

Included Lab Sample IDs: 2385856, 2385858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	97.8		P	80 - 120
Alachlor	98.3		P	80 - 120
Ametryn	99.9		P	80 - 120
Atrazine	103		P	80 - 120
Atrazine Desethyl	105		P	80 - 120
Azinphos Methyl	102		P	80 - 120
Azoxystrobin	97.5		P	80 - 120
Bromacil	103		P	80 - 120
Butylate	104		P	80 - 120
Caffeine	99.2		P	80 - 120
Carbophenothion	104		P	80 - 120
Carfentrazone Ethyl	105		P	80 - 120
Chlorfenapyr	105		P	80 - 120
Chlorpyrifos Ethyl	90.0		P	80 - 120
Chlorpyrifos Methyl	97.2		P	80 - 120
Coumaphos	101		P	80 - 120
Cyanazine	85.3		P	80 - 120
Cyprodinil	101		P	80 - 120
Demeton	98.5		P	80 - 120
Diazinon	97.2		P	80 - 120
Difenoconazole	105		P	80 - 120
Dimethenamid	101		P	80 - 120
Dimethomorph	101		P	80 - 120
Disulfoton	100		P	80 - 120
Dithiopyr	101		P	80 - 120
EPTC	101		P	80 - 120
Ethion	96.3		P	80 - 120
Ethoprop	99.4		P	80 - 120
Etridiazole	101		P	80 - 120
Fenamiphos	98.8		P	80 - 120
Fenbuconazole	101		P	80 - 120
Fipronil	102		P	80 - 120
Fipronil Desulfinyl	105		P	80 - 120
Fipronil Sulfide	100		P	80 - 120
Fipronil Sulfone	101		P	80 - 120
Fluazifop-P-butyl	102		P	80 - 120
Fludioxonil	99.7		P	80 - 120
Flumioxazin	101		P	80 - 120
Flutolanil	102		P	80 - 120
Fluxapyroxad	104		P	80 - 120
Fonofos	93.4		P	80 - 120
Hexazinone	103		P	80 - 120
Imazalil	97.8		P	80 - 120
Iprodione	106		P	80 - 120
Loratadine	97.2		P	80 - 120
Malathion	89.8		P	80 - 120
Metalaxyl	106		P	80 - 120
Metolachlor	100		P	80 - 120
Metribuzin	104		P	80 - 120
Mevinphos	96.7		P	80 - 120
Molinate	102		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A117663

Included Lab Sample IDs: 2385856, 2385858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Myclobutanil	102		P	80 - 120
Naled	105		P	80 - 120
Napropamide	101		P	80 - 120
Norflurazon	98.8		P	80 - 120
Oxadiazon	97.3		P	80 - 120
Oxyfluorfen	104		P	80 - 120
Parathion Ethyl	96.9		P	80 - 120
Parathion Methyl	103		P	80 - 120
Pendimethalin	93.0		P	80 - 120
Phenytol	102		P	80 - 120
Phorate	103		P	80 - 120
Prodiamine	103		P	80 - 120
Prometon	101		P	80 - 120
Prometryn	97.3		P	80 - 120
Pronamide	96.9		P	80 - 120
Propanil	99.5		P	80 - 120
Propargite	104		P	80 - 120
Propiconazole	100		P	80 - 120
Pyraflufen Ethyl	105		P	80 - 120
Pyridaben	102		P	80 - 120
Pyriproxyfen	99.3		P	80 - 120
Simazine	101		P	80 - 120
Stiophos	100		P	80 - 120
Sulfentrazone	89.3		P	80 - 120
Tebuconazole	105		P	80 - 120
Terbufos	96.7		P	80 - 120
Terbutylazine	99.2		P	80 - 120
Thiobencarb	99.4		P	80 - 120
Triadimefon	97.7		P	80 - 120

* Pass/Fail determinations are made for each bracketing calibration verification check.

Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery			Precision SMP	MS
			LCS				
DEP SOP: NU-094-1	Color (true)	103				1.32	
EPA 180.1 Rev. 2.0	Turbidity	100				1.28	
EPA 200.7 Rev. 4.4	Calcium	99.7	101				1.67
	Chromium	100	96.7	98.4	99.0		1.74
	Iron	105	103	103	103		0.289
	Magnesium	99.6	103	101			0.521
	Potassium	103	100	101	110		0.711
	Sodium	103	103	106			1.36
	Strontium	104	102	105	104		2.86
	Tin	101	98.6	99.1	98.8		0.485
	Titanium	102	98.7	100	103		1.59
	Vanadium	100	99.4	101			1.54
	Zinc	103	101	103	101		2.28
EPA 200.8 Rev. 5.4	Aluminum	104	101	102	97.8		1.02
	Antimony	104	103	103	105		0.250
	Arsenic	104	103	102	107		0.640
	Barium	105	105	104	105		0.932
	Beryllium	95.6	93.8	94.5	88.6		0.691
	Boron	107	107	105	102		1.63
	Cadmium	105	105	103	106		1.07
	Cobalt	101	99.1	98.8	102		0.294
	Copper	103	102	102	100		0.0452
	Lead	97.5	98.8	98.8	98.3		0.0453
	Manganese	103	102	102	104		0.216
	Molybdenum	104	104	104	110		0.0313
	Nickel	103	100	99.6	105		0.419
	Selenium	102	102	100	103		1.62
	Silver	102	100	98.6	99.7		1.66
	Thallium	100	103	102	104		0.277
EPA 300.0 Rev. 2.1	Chloride	99.2	93.5	96.8		3.43	
	Sulfate	102	94.6	99.4		3.25	
EPA 350.1 Rev. 2.0	Ammonia-N	95.4	101	98.0			2.47
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	103	100	104			3.66
EPA 353.2 Rev. 2.0	NO2NO3-N	102	100	99.5			0.272
EPA 365.1 Rev. 2.0	Total-P	101	99.5	101			0.922
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	75.9	57.0	72.2			23.6
	Acetochlor	95.1	88.6	83.2			6.29
	Alachlor	89.5	81.8	75.4			8.17
	Aldrin	64.0	61.5	74.7			19.3
	Alpha-BHC	62.7	70.2	74.1			5.46
	Alpha-Chlordane	74.3	62.8	75.6			18.4
	Ametryn	100	122	87.7			17.9
	Atrazine	97.7					22.4
	Atrazine Desethyl	103					19.8
	Avobenzone	91.1	72.6	81.7			11.7
	Azinphos Methyl	121	120	111			8.00
	Azoxystrobin	113	136	112			19.6
	Beta-BHC	88.2	79.9	102			24.6
	Beta-Cyfluthrin	69.4	113	112			1.05
	Bifenthrin	41.9	38.0	34.4			6.91
	Bromacil	95.0	79.4	83.6			5.16
	Butylate	62.6	64.4	49.1			27.1

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Caffeine	78.5	71.2	74.7			4.66
	Carbophenothion	113	108	109			0.877
	Carfentrazone Ethyl	117	101	89.5			12.1
	Chlorfenapyr	96.8	86.9	69.1			22.8
	Chlorothalonil	40.6	157	183			15.1
	Chlorpyrifos Ethyl	91.5	83.6	79.9			4.47
	Chlorpyrifos Methyl	110	108	100			7.85
	Cis-Nonachlor	65.8	49.7	49.6			0.107
	Coumaphos	105	49.7	72.0			36.5
	Cyanazine	323	179	285			46.0
	Cypermethrin	63.3	85.3	89.7			5.13
	Cyprodinil	120	122	107			12.9
	Dacthal	82.0	63.7	66.5			4.21
	DDD-p,p'	53.8	36.6	39.3			7.10
	DDE-p,p'	53.4	35.1	35.0			0.406
	DDT-p,p'	62.5	60.4	48.9			21.1
	Dechlorane Plus	84.3	76.2	52.2			37.3
	Delta-BHC	79.1	91.9	103			11.7
	Deltamethrin	52.1	79.9	82.3			2.97
	Demeton	89.3	121	101			17.5
	Diazinon	97.5	99.7	94.4			5.53
	Dichlobenil	63.8	42.5	39.7			6.85
	Dicofol	56.4	61.8	57.2			7.82
	Dieldrin	56.8	62.3	68.6			9.62
	Difenoconazole	124	77.4	156			67.6
	Dimethenamid	79.8	51.5	78.5			41.4
	Dimethomorph	173	208	191			8.16
	Disulfoton	102	115	106			8.36
	Dithiopyr	96.4	94.4	84.5			11.0
	Endosulfan I	59.5	47.0	51.2			8.57
	Endosulfan II	58.8	37.3	39.0			4.51
	Endosulfan Sulfate	80.6	91.9	102			10.9
	Endrin	70.1	47.3	50.5			6.43
	Endrin Aldehyde	54.0	41.8	47.0			11.8
	Endrin Ketone	76.1	66.7	69.3			3.85
	EPTC	61.0	69.3	48.1			36.1
	Esfenvalerate	45.1	72.9	74.6			2.31
	Ethalfuralin	53.3	51.9	57.1			9.53
	Ethion	37.7	14.7	43.6			99.0
	Ethoprop	93.9	107	94.6			12.1
	Etridiazole	70.0	87.4	55.2			45.2
	Fenamiphos	96.8	109	98.2			10.4
	Fenbuconazole	110	82.2	102			21.7
	Fenpropathrin	48.1	52.8	47.3			11.0
	Fipronil	123	120	113			6.02
	Fipronil Desulfinyl	116	110	111			0.449
	Fipronil Sulfide	93.8	99.1	93.9			4.06
	Fipronil Sulfone	112	88.6	73.4			10.4
	Fluazifop-P-butyl	99.6	93.7	89.2			4.91
	Fludioxonil	99.2	99.5	81.7			19.6
	Flumioxazin	119	82.6	157			62.2
	Flutolanil	105	79.3	90.5			13.2
	Fluxapyroxad	77.3	31.3	66.8			72.4
	Fonofos	90.5	102	83.2			20.1

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Gamma-BHC	68.9	71.2	75.0		5.25
	Gamma-Chlordane	64.1	44.4	53.8		19.0
	Heptachlor	60.0	48.2	55.8		14.7
	Heptachlor Epoxide	73.4	61.5	70.8		14.0
	Hexachlorobenzene	66.3	56.4	61.9		9.41
	Hexazinone	87.2	78.9	90.1		13.3
	Imazalil	85.1	127	113		11.5
	Iprodione	109	67.2	89.2		28.1
	Kepone	32.0	21.6	25.5		16.7
	Lambda-Cyhalothrin	43.3	64.6	61.0		5.62
	Loratadine	203	175	195		11.0
	Malathion	91.1	89.2	82.3		7.98
	Metalaxyl	103	114	95.6		17.1
	Methoprene	52.4	54.1	64.8		18.0
	Methoxychlor	65.9	69.9	81.1		14.9
	Metolachlor	97.8	84.8	83.5		1.50
	Metribuzin	103	126	89.1		34.6
	Mevinphos	81.4	89.0	77.5		13.7
	MGK-264	54.9	52.3	45.5		13.7
	Mirex	49.6	42.6	37.4		13.0
	Molinate	70.9	78.1	64.1		19.7
	Myclobutanil	94.4	113	116		1.27
	Naled	111	113	98.9		13.5
	Napropamide	65.5	9.16	68.2		153
	Norflurazon	95.1	81.2	89.8		10.0
	Octinoxate	73.4	61.8	60.8		1.56
	Oxadiazon	93.9	81.1	70.8		13.6
	Oxybenzone	69.3	63.8	59.4		7.08
	Oxychlordane	54.5	51.9	44.0		16.4
	Oxyfluorfen	113	97.9	111		12.8
	Parathion Ethyl	84.5	94.3	82.5		13.4
	Parathion Methyl	106	112	122		8.70
	PBDE-47	70.0	49.5	63.3		24.5
	PBDE-99	68.4	48.6	64.0		27.4
	PCB-1016	84.9	87.9	85.5		2.77
	PCB-1260	88.0	84.0	87.4		3.94
	Pendimethalin	87.6	105	112		7.08
	Permethrin	82.3	105	111		5.35
	Phenothrin	48.9	60.9	59.5		2.29
	Phenytoin	4.28	19.9	12.4		46.1
	Phorate	95.7	86.7	110		23.4
	Piperonyl Butoxide	74.3	73.3	78.6		6.92
	Prallethrin	57.1	52.7	46.5		12.5
	Prodiamine	42.3	68.4	56.1		19.7
	Prometon	85.0	77.0	75.3		2.19
	Prometryn	92.4	81.7	96.0		16.1
	Pronamide	90.0	90.9	96.8		6.25
	Propanil	93.7	87.4	85.1		2.73
	Propargite	63.5	57.6	37.8		41.4
	Propiconazole	105	89.2	92.3		1.91
	Pyraflufen Ethyl	106	85.5	86.1		0.663
	Pyridaben	134	122	115		5.60
	Pyriproxyfen	74.6	81.4	40.9		66.2
	Simazine	91.7	103	119		12.8

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Stiophos	66.1	61.3	40.8		40.1
	Sulfentrazone	69.1	69.0	74.7		5.35
	Tau-Fluvalinate	34.4	69.8	67.0		4.15
	Tebuconazole	46.1	3.58	47.3		98.7
	Terbufos	111	104	129		21.1
	Terbutylazine	82.1	69.0	89.9		26.3
	Tetramethrin	63.1	64.3	66.9		3.88
	Thiobencarb	80.0	71.9	75.6		5.03
	Trans-Nonachlor	52.3	55.3	52.8		4.73
	Tri-o-cresyl Phosphate	71.7	62.9	60.2		4.29
	Triadimefon	81.6	64.4	50.4		18.4
	Triclosan Methyl	82.1	78.1	64.4		19.2
	Trifluralin	60.9	53.1	52.9		0.305
EPA 8276	Chlordane	107	104	106		1.67
	Toxaphene	117	126	123		2.05
EPA 8321B	2,4-D	85.8	127	98.5		18.6
	2,4,5-T	77.3	111	106		5.22
	3-Hydroxycarbofuran	99.3	131	125		4.19
	Acesulfame K	134	91.0	86.9		4.72
	Acesulfame K	96.2	77.6	79.3		2.19
	Acetaminophen	83.3	107	96.4		10.5
	Acetamiprid	82.1	96.2	106		9.76
	Afidopyropen	61.5	65.1	73.9		12.6
	Aldicarb	49.5	60.5	58.5		3.43
	Aldicarb Sulfone	105	108	110		1.66
	Aldicarb Sulfoxide	110	76.9	73.3		4.69
	AMPA	95.3	91.5	95.2		3.73
	AMPA	99.0	95.2	101		5.09
	Bentazon	91.0	91.0	88.0		3.34
	Benzovindiflupyr	84.8	98.2	92.0		6.57
	Carbamazepine	90.7	86.9	84.5		2.86
	Carbaryl	75.1	73.0	73.9		1.28
	Carbofuran	97.0	86.0	83.1		3.34
	Clothianidin	94.4	125	116		7.49
	Dinotefuran	98.8	122	116		5.58
	Diuron	75.7	71.9	65.6		9.24
	Endothall	98.7	101	107		5.53
	Endothall	98.4	153	152		1.24
	Fenuron	96.1	87.7	85.7		2.26
	Fluridone	80.2	83.6	71.6		15.6
	Glufosinate	112	110	91.9		17.5
	Glufosinate	99.2	117	116		0.483
	Glyphosate	92.5	104	100		3.57
	Glyphosate	98.5	126	133		5.44
	Hydrocodone	86.0	112	102		9.17
	Ibuprofen	56.8	79.3	81.3		2.45
	Imazapyr	83.3	122	113		6.55
	Imidacloprid	84.3	149	131		12.9
	Linuron	76.7	96.3	73.0		27.5
	Mandestrobin	97.8	111	105		5.39
	MCPP	97.5	123	116		6.06
	Methiocarb	63.7	76.5	57.3		28.6
	Methomyl	107	107	95.5		11.3
	Naproxen	63.2	126	78.6		46.1

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	SMP
EPA 8321B	Oxamyl	118	124	112		
	Primidone	89.3	114	104		
	Propoxur	73.8	63.4	60.4		
	Pyraclostrobin	78.3	94.3	86.2		
	Silvex	72.1	86.5	83.6		
	Sucralose	137	134	134		
	Sucralose	96.7	62.3	65.5		
	Thiamethoxam	82.5	118	111		
	Tolfenpyrad	44.6	57.2	49.7		
	Triclopyr	77.2	88.3	82.2		
SM 2320 B-2011	Total Alkalinity	99.0				2.50
SM 2540 C-2015	TDS	98.9				7.87
SM 2540 D-2015	TSS	96.5				
SM 4500-F- C-2011	Fluoride	102	101	102		
SM 5310 B-2011	Organic Carbon	95.2	95.2	97.8		

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2385842
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2385842
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2385859
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2385859
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2385842
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2385842
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2385843
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2385843
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2385843
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2385843
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2385856, 2385858
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2385855, 2385857
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2385856, 2385858
EPA 8270E	PCBs in water matrices by GC/MS/MS	2385855, 2385857
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2385855, 2385857
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2385852, 2385854
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2385853, 2385866, 2386039
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2385842
SM 2340 B-2011	Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3	2385859
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2385842
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2385842
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2385842
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2385843

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	02/08/2023			02/08/2023 15:30	Alexis Price	2385842
EPA 180.1 Rev. 2.0	02/08/2023			02/08/2023 14:13	Khloe J Berg	2385842
EPA 200.7 Rev. 4.4	02/08/2023	02/09/2023 12:20	George D Taylor	02/13/2023 22:23	McKinley C Carter	2385859
	02/08/2023	02/09/2023 12:20	George D Taylor	02/14/2023 12:54	McKinley C Carter	2385859
EPA 200.8 Rev. 5.4	02/08/2023	02/09/2023 12:20	George D Taylor	02/13/2023 22:34	Megan Whitefoot	2385859
EPA 300.0 Rev. 2.1	02/08/2023			02/17/2023 07:06	Anna M. Plaviak	2385842
EPA 350.1 Rev. 2.0	02/08/2023			02/20/2023 12:06	Ping Hua	2385843
EPA 351.2 Rev. 2.0	02/08/2023	02/09/2023 09:02	Samantha L Bates	02/13/2023 14:57	Samantha L Bates	2385843
EPA 353.2 Rev. 2.0	02/08/2023			02/14/2023 10:20	Beverly Y. Sanders	2385843
EPA 365.1 Rev. 2.0	02/08/2023	02/14/2023 13:21	Adam P Silver	02/15/2023 13:44	Simonne.V. Calhoun	2385843
EPA 8270E	02/08/2023	02/10/2023 08:00	Fe-Val Siddell	02/14/2023 20:17	Arthur Maknenko	2385856
	02/08/2023	02/10/2023 08:00	Fe-Val Siddell	02/14/2023 20:42	Arthur Maknenko	2385858
	02/08/2023	02/10/2023 08:00	Fe-Val Siddell	02/17/2023 18:15	Michael Poppell	2385856
	02/08/2023	02/10/2023 08:00	Fe-Val Siddell	02/17/2023 18:42	Michael Poppell	2385858
	02/08/2023	02/10/2023 08:30	Rasheda Ghaffari	02/13/2023 22:03	Vandana T. Nagar	2385855
	02/08/2023	02/10/2023 08:30	Rasheda Ghaffari	02/13/2023 22:33	Vandana T. Nagar	2385857
	02/08/2023	02/10/2023 08:30	Rasheda Ghaffari	02/14/2023 07:25	Julie Wi	2385855
	02/08/2023	02/10/2023 08:30	Rasheda Ghaffari	02/14/2023 07:58	Julie Wi	2385857
EPA 8276	02/08/2023	02/10/2023 08:30	Rasheda Ghaffari	02/15/2023 14:14	Lipi Saha	2385855
	02/08/2023	02/10/2023 08:30	Rasheda Ghaffari	02/15/2023 15:09	Lipi Saha	2385857
EPA 8321B	02/08/2023	02/08/2023 16:00	Manjita Shrestha	02/08/2023 22:51	Manjita Shrestha	2385853
	02/08/2023	02/08/2023 16:00	Manjita Shrestha	02/08/2023 23:19	Manjita Shrestha	2385866
	02/08/2023	02/08/2023 16:00	Manjita Shrestha	02/09/2023 07:15	Manjita Shrestha	2385853
	02/08/2023	02/08/2023 16:00	Manjita Shrestha	02/09/2023 07:28	Manjita Shrestha	2385866
	02/08/2023	02/10/2023 10:00	June Rhew	02/11/2023 02:04	Juyoung Kim	2385853
	02/08/2023	02/10/2023 10:00	June Rhew	02/11/2023 02:23	Juyoung Kim	2385866
	02/08/2023	02/10/2023 10:00	June Rhew	02/11/2023 03:19	Juyoung Kim	2386039
	02/08/2023	02/13/2023 09:30	June Rhew	02/13/2023 19:01	Juyoung Kim	2385852
	02/08/2023	02/13/2023 09:30	June Rhew	02/13/2023 19:20	Juyoung Kim	2385854
	02/08/2023	02/13/2023 10:00	Manjita Shrestha	02/13/2023 13:43	Manjita Shrestha	2386039
	02/08/2023	02/13/2023 10:00	Manjita Shrestha	02/13/2023 21:02	Manjita Shrestha	2386039
SM 2320 B-2011	02/08/2023			02/14/2023 23:54	Dale L. Simmons	2385842
SM 2340 B-2011	02/08/2023			02/13/2023 22:23	McKinley C Carter	2385859
SM 2540 C-2015	02/08/2023			02/10/2023 16:01	Yijie Li	2385842
SM 2540 D-2015	02/08/2023			02/10/2023 16:01	Yijie Li	2385842
SM 4500-F- C-2011	02/08/2023			02/14/2023 23:43	Dale L. Simmons	2385842
SM 5310 B-2011	02/08/2023			02/10/2023 20:01	Elise M. Gillis	2385843